ANALYTICAL REPORT

Job Number: 180-14634-1

Job Description: QDI Institute, WV

For:
Science Applications International Corp
300 Wharton Circle, Suite 176
Triadelphia, WV 26059

Attention: Mr. Robert Fargo

Approved for release.
Jill L Colussy
Project Manager I
10/12/2012 4:39 PM

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CASE NARRATIVE

Client: Science Applications International Corp

Project: QDI Institute, WV

Report Number: 180-14634-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 9/20/2012 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 0.8º C, 1.2º C, 1.7º C and 2.5º C.

The laboratory only received 1 VOA vial for sample TMP-1 (180-14634-10). This vial was received with headspace.

Sample MW-110 (180-14634-9) was incorrectly logged in for pesticide, PCB, and herbicide analyses. The sample was extracted for these parameters and thus there was insufficient volume for the GC/MS Semivolatiles extraction. The client was contacted and the pesticide, PCB, and the herbicide results were not to be reported.

VOLATILE ORGANIC COMPOUNDS

Sample TMP-1 (180-14634-10) was analyzed from a vial with headspace since we only received 1 VOA vial.

Due to the concentration of target compounds detected, samples MW-104 (180-14634-2)[250X], MW-105 (180-14634-3)[2X], MW-114 (180-14634-5)[150X] and MW-106 (180-14634-8)[100X] were analyzed at a dilution. The reporting limits have been adjusted accordingly.

Carbon disulfide was detected in the method blank for batch 180-50119 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated samples reported a result above the MDL and/or RL, the results have been flagged.

The laboratory control standard and the laboratory control duplicate for batch 180-50323 recovered outside of the control limits for acetone. All control compounds recovered within the control limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Due to the concentration of target compounds detected, samples MW-104 (180-14634-2)[25X], MW-105 (180-14634-3)[10X], MW-114 (180-14634-5)[20X] and MW-106 (180-14634-8)[5X] were analyzed at a dilution. The reporting limits have been adjusted accordingly. The samples analyzed at a 20X or greater had the surrogates diluted out.

METALS

The method blanks had analytes detected at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated samples reported a result above the MDL and/or RL, the results have been flagged.

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

The serial dilution was outside of the percent difference control limits for total vanadium.

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Instrument ID: HP6 Analysis Batch Number: 48202

Lab Sample ID: IC 180-48202/4 Client Sample ID:

Date Analyzed: 09/12/12 15:35 Lab File ID: 60912011.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlorobenzene-d5	10.40	Peak Integrated Incorrectly	lipayj	09/12/12 15:53

Lab Sample ID: IC 180-48202/8 Client Sample ID:

Date Analyzed: 09/12/12 18:08 Lab File ID: 60912017.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.97	Peak Integrated Incorrectly	lipayj	09/12/12 18:25

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Instrument ID: HP6 Analysis Batch Number: 48350

Lab Sample ID: IC 180-48350/2 Client Sample ID:

Date Analyzed: 09/13/12 09:45 Lab File ID: 60913004.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acrolein	3.27	Unspecified	fergusond	09/13/12 11:47
Allyl chloride	3.97	Peak Integrated Incorrectly	fergusond	09/13/12 11:48
Isobutyl alcohol	6.97	Peak Integrated Incorrectly	fergusond	09/13/12 11:48
1,4-Dioxane	8.09	Peak Integrated Incorrectly	fergusond	09/13/12 11:49

Lab Sample ID: ICIS 180-48350/3 Client Sample ID:

Date Analyzed: 09/13/12 10:08 Lab File ID: 60913005.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acrolein	3.28	Peak Integrated Incorrectly	fergusond	09/13/12 11:50
Isobutyl alcohol	6.97	Peak Integrated Incorrectly	fergusond	09/13/12 11:50

Lab Sample ID: IC 180-48350/4 Client Sample ID:

Date Analyzed: 09/13/12 10:32 Lab File ID: 60913006.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isobutyl alcohol	6.97	Peak Integrated Incorrectly	fergusond	09/13/12 11:51
1,4-Dioxane	8.09	Peak Integrated Incorrectly	fergusond	09/13/12 11:51

Lab Sample ID: IC 180-48350/8 Client Sample ID:

Date Analyzed: 09/13/12 12:57 Lab File ID: 60913012.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Propionitrile	6.10	Unspecified	fergusond	09/13/12 13:17
Isobutyl alcohol	6.97	Unspecified	fergusond	09/13/12 13:17
1,4-Dioxane	8.10	Unspecified	fergusond	09/13/12 13:17

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Instrument ID: HP6 Analysis Batch Number: 48940

Lab Sample ID: IC 180-48940/2 Client Sample ID:

Date Analyzed: 09/19/12 08:39 Lab File ID: 60919004.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
tert-Butyl alcohol	4.48	Peak Split	fergusond	09/19/12 10:08
Tetrahydrofuran	6.33	Peak Integrated Incorrectly	fergusond	09/19/12 10:18
n-Butanol	7.70	Peak Integrated Incorrectly	fergusond	09/19/12 10:09

Lab Sample ID: IC 180-48940/3 Client Sample ID:

Date Analyzed: 09/19/12 09:03 Lab File ID: 60919005.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrahydrofuran	6.33	Peak Integrated Incorrectly	fergusond	09/19/12 10:11
n-Butanol	7.69	Peak Integrated Incorrectly	fergusond	09/19/12 10:11

Lab Sample ID: ICIS 180-48940/4 Client Sample ID:

Date Analyzed: 09/19/12 09:27 Lab File ID: 60919006.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
n-Butanol	7.69	Unspecified	fergusond	09/19/12 10:12

Lab Sample ID: IC 180-48940/5 Client Sample ID:

Date Analyzed: 09/19/12 09:51 Lab File ID: 60919007.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
n-Butanol	7.69	Peak Integrated Incorrectly	fergusond	09/19/12 10:16

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Instrument ID: HP6 Analysis Batch Number: 48940

Lab Sample ID: IC 180-48940/6 Client Sample ID:

Date Analyzed: 09/19/12 10:15 Lab File ID: 60919008.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethyl ether	3.10	Peak Integrated Incorrectly	fergusond	09/19/12 10:57
n-Butanol	7.69	Peak Integrated Incorrectly	fergusond	09/19/12 10:57

Lab Sample ID: IC 180-48940/7 Client Sample ID:

Date Analyzed: 09/19/12 10:39 Lab File ID: 60919009.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
n-Butanol	7.69	Peak Integrated Incorrectly	fergusond	09/19/12 10:58

Lab Sample ID: IC 180-48940/8 Client Sample ID:

Date Analyzed: 09/19/12 11:03 Lab File ID: 60919010.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
n-Butanol	7.69	Peak Integrated Incorrectly	fergusond	09/19/12 11:25

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Instrument ID: HP6 Analysis Batch Number: 50119

Lab Sample ID: CCV 180-50119/3 Client Sample ID:

Date Analyzed: 09/28/12 10:23 Lab File ID: 60928003.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methacrylonitrile	6.27	Peak Integrated Incorrectly	fergusond	09/28/12 10:46
Isobutyl alcohol	6.97	Peak Integrated Incorrectly	fergusond	09/28/12 10:46

Lab Sample ID: 180-14634-3 Client Sample ID: MW-105

Date Analyzed: 09/28/12 14:03 Lab File ID: 60928011.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	8.10	Peak Integrated Incorrectly	lipayj	09/28/12 18:19

Lab Sample ID: 180-14634-10 Client Sample ID: TMP-1

Date Analyzed: 09/28/12 16:52 Lab File ID: 60928018.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methylene Chloride	4.18	Peak Integrated Incorrectly	lipayj	09/28/12 18:23

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Instrument ID: HP6 Analysis Batch Number: 50323

Lab Sample ID: CCVIS 180-50323/2 Client Sample ID:

Date Analyzed: 10/01/12 09:03 Lab File ID: 61001002.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	3.51	Peak Integrated Incorrectly	fergusond	10/01/12 09:25

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Instrument ID: 731 Analysis Batch Number: 48209

Lab Sample ID: ICIS 180-48209/1 Client Sample ID:

Date Analyzed: 09/12/12 11:01 Lab File ID: V09120CC.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pyridine	2.03	Poor Chromatography	piccolinov	09/12/12 11:38
Benzyl alcohol	4.70	Poor Chromatography	piccolinov	09/12/12 11:38
Benzoic acid	5.35	Peak Not Found	piccolinov	09/12/12 11:38
2,4,5-Trichlorophenol	6.36	Poor Chromatography	piccolinov	09/12/12 11:38
Pentachlorophenol	7.92	Poor Chromatography	piccolinov	09/12/12 11:39
Bis(2-ethylhexyl) phthalate	10.10	Poor Chromatography	piccolinov	09/12/12 11:39
Di-n-octyl phthalate	10.66	Poor Chromatography	piccolinov	09/12/12 11:39
Benzo[k]fluoranthene	11.18	Poor Chromatography	piccolinov	09/12/12 11:40
Benzo[a]pyrene	11.52	Poor Chromatography	piccolinov	09/12/12 11:40
Dibenz(a,h)anthracene	13.05	Poor Chromatography	piccolinov	09/12/12 11:40
Benzo[g,h,i]perylene	13.49	Poor Chromatography	piccolinov	09/12/12 11:40

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Instrument ID: 731 Analysis Batch Number: 48209

Lab Sample ID: IC 180-48209/3 Client Sample ID:

Date Analyzed: 09/12/12 11:24 Lab File ID: V0912IC1.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.48	Peak Not Found	piccolinov	09/12/12 11:53
N-Nitrosodimethylamine	1.99	Poor Chromatography	piccolinov	09/12/12 11:53
Pyridine	2.10	Poor Chromatography	piccolinov	09/12/12 11:53
Benzoic acid	5.34	Poor Chromatography	piccolinov	09/12/12 11:55
Benzidine	9.11	Peak Not Found	piccolinov	09/12/12 11:55
Di-n-octyl phthalate	10.69	Peak Not Found	piccolinov	09/12/12 11:56
Dibenz(a,h)anthracene	13.10	Poor Chromatography	piccolinov	09/12/12 11:56
Indeno[1,2,3-cd]pyrene	13.10	Poor Chromatography	piccolinov	09/12/12 11:56

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Instrument ID: 731 Analysis Batch Number: 48209

Lab Sample ID: IC 180-48209/4 Client Sample ID:

Date Analyzed: 09/12/12 11:47 Lab File ID: V0912IC2.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
N-Nitrosodimethylamine	1.96	Poor Chromatography	piccolino v	09/12/12 12:14
Pyridine	2.03	Poor Chromatography	piccolino v	09/12/12 12:14
Benzoic acid	5.34	Poor Chromatography	piccolino v	09/12/12 12:14
Pentachlorophenol	7.92	Poor Chromatography	piccolino v	09/12/12 12:15
Bis(2-ethylhexyl) phthalate	10.14	Poor Chromatography	piccolino v	09/12/12 12:15
Chrysene	10.20	Poor Chromatography	piccolino v	09/12/12 12:15
Benzo[k]fluoranthene	11.23	Poor Chromatography	piccolino v	09/12/12 12:16
Indeno[1,2,3-cd]pyrene	13.10	Poor Chromatography	piccolino v	09/12/12 12:16
Dibenz(a,h)anthracene	13.12	Poor Chromatography	piccolino v	09/12/12 12:16
Benzo[g,h,i]perylene	13.54	Poor Chromatography	piccolino v	09/12/12 12:16

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Instrument ID: 731 Analysis Batch Number: 48209

Lab Sample ID: IC 180-48209/5 Client Sample ID:

Date Analyzed: 09/12/12 12:11 Lab File ID: V0912IC4.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pyridine	2.00	Poor Chromatography	piccolinov	09/12/12 12:51
Benzyl alcohol	4.70	Poor Chromatography	piccolinov	09/12/12 12:51
Nitrobenzene	5.03	Poor Chromatography	piccolinov	09/12/12 12:51
Benzoic acid	5.36	Poor Chromatography	piccolinov	09/12/12 12:52

Lab Sample ID: IC 180-48209/6 Client Sample ID:

Date Analyzed: 09/12/12 12:34 Lab File ID: V0912IC5.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pyridine	1.98	Poor Chromatography	piccolinov	09/12/12 13:06
Benzyl alcohol	4.70	Poor Chromatography	piccolinov	09/12/12 13:07
Benzoic acid	5.37	Poor Chromatography	piccolinov	09/12/12 13:07
2,3,4,6-Tetrachlorophenol	7.17	Poor Chromatography	piccolinov	09/12/12 13:08

Lab Sample ID: IC 180-48209/7 Client Sample ID:

Date Analyzed: 09/12/12 12:58 Lab File ID: V0912IC6.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzyl alcohol	4.70	Poor Chromatography	piccolinov	09/12/12 13:20
Benzoic acid	5.38	Poor Chromatography	piccolinov	09/12/12 13:21

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Instrument ID: 731 Analysis Batch Number: 48209

Lab Sample ID: IC 180-48209/8 Client Sample ID:

Date Analyzed: 09/12/12 13:23 Lab File ID: V0912IC7.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzyl alcohol	4.70	Poor Chromatography	piccolino v	09/12/12 13:46
Benzoic acid	5.38	Poor Chromatography	piccolino v	09/12/12 13:46

Lab Sample ID: IC 180-48209/9 Client Sample ID:

Date Analyzed: 09/12/12 13:48 Lab File ID: V0912IC8.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	5.39	Poor Chromatography	piccolino v	09/12/12 14:14

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Instrument ID: 731 Analysis Batch Number: 49849

Lab Sample ID: CCVIS 180-49849/1 Client Sample ID:

Date Analyzed: 09/26/12 13:01 Lab File ID: V09260CC.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pyridine	2.00	Poor Chromatography	piccolinov	09/26/12 13:26
Benzyl alcohol	4.69	Poor Chromatography	piccolinov	09/26/12 13:26
Benzoic acid	5.35	Poor Chromatography	piccolinov	09/26/12 13:26
Pentachlorophenol	7.90	Poor Chromatography	piccolinov	09/26/12 13:27
Benzidine	9.07	Poor Chromatography	piccolinov	09/26/12 13:27

Lab Sample ID: 180-14634-2 Client Sample ID: MW-104

Date Analyzed: 09/26/12 19:45 Lab File ID: V0960017.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.48	Peak Not Found	piccolinov	09/27/12 06:00

Lab Sample ID: 180-14634-3 Client Sample ID: MW-105

Date Analyzed: 09/26/12 20:09 Lab File ID: V0960018.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Phenol-d5	4.33	Peak Not Found	piccolinov	09/27/12 06:06
2-Fluorobiphenyl	6.36	Peak Not Found	piccolinov	09/27/12 06:06
Acenaphthene-d10	6.88	Peak Not Found	piccolinov	09/27/12 06:04

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Instrument ID: 731 Analysis Batch Number: 49849

Lab Sample ID: 180-14634-7 Client Sample ID: MW-102

Date Analyzed: 09/26/12 21:44 Lab File ID: V0960022.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.47	Poor Chromatography	piccolino v	09/27/12 06:12

Lab Sample ID: 180-14634-12 Client Sample ID: FB-2

Date Analyzed: 09/26/12 22:55 Lab File ID: V0960025.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.98	Peak Not Found	piccolino v	09/27/12 06:16
Naphthalene-d8	5.53	Peak Not Found	piccolino v	09/27/12 06:15

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Instrument ID: 731 Analysis Batch Number: 50044

Lab Sample ID: CCVIS 180-50044/26 Client Sample ID:

Date Analyzed: 09/27/12 11:18 Lab File ID: V09270CC.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pyridine	2.05	Poor Chromatography	piccolinov	09/27/12 11:40
Benzoic acid	5.39	Unspecified	piccolinov	09/27/12 11:39

Lab Sample ID: 180-14634-5 Client Sample ID: MW-114

Date Analyzed: 09/27/12 16:05 Lab File ID: V0927002.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.53	Poor Chromatography	piccolinov	09/28/12 04:59
2-Fluorobiphenyl	6.41	Peak Not Found	piccolinov	09/28/12 05:01
Acenaphthene-d10	6.93	Peak Not Found	piccolinov	09/28/12 04:59

Lab Sample ID: 180-14634-8 Client Sample ID: MW-106

Date Analyzed: 09/27/12 16:30 Lab File ID: V0927003.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.52	Peak Not Found	piccolinov	09/28/12 05:01
Nitrobenzene-d5	5.03	Peak Not Found	piccolinov	09/28/12 05:28
Naphthalene-d8	5.58	Peak Not Found	piccolinov	09/28/12 05:01

SAMPLE SUMMARY

Client: Science Applications International Corp

Job Number: 180-14634-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
180-14634-1	TRIP BLANK	Water	09/19/2012 0000	09/20/2012 0900
180-14634-2	MW-104	Water	09/19/2012 0830	09/20/2012 0900
180-14634-3	MW-105	Water	09/19/2012 0920	09/20/2012 0900
180-14634-4	MW-109	Water	09/19/2012 1030	09/20/2012 0900
180-14634-5	MW-114	Water	09/19/2012 1200	09/20/2012 0900
180-14634-6	MW-101	Water	09/19/2012 0820	09/20/2012 0900
180-14634-7	MW-102	Water	09/19/2012 1045	09/20/2012 0900
180-14634-8	MW-106	Water	09/19/2012 1225	09/20/2012 0900
180-14634-9	MW-110	Water	09/19/2012 1300	09/20/2012 0900
180-14634-10	TMP-1	Water	09/19/2012 1205	09/20/2012 0900
180-14634-11	TMP-5	Water	09/19/2012 1230	09/20/2012 0900
180-14634-12	FB-2	Water	09/19/2012 1130	09/20/2012 0900
180-14634-13	TMP-3	Water	09/19/2012 1420	09/20/2012 0900

EXECUTIVE SUMMARY - Detections

Client: Science Applications International Corp

Job Number: 180-14634-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
180-14634-1	**TRIP BLANK**					
Carbon disulfide		0.62	J B	1.0	ug/L	8260B
Methylene Chloride		2.0		1.0	ug/L	8260B
180-14634-2	**MW-104**					
Benzene		120	J	250	ug/L	8260B
Carbon disulfide		130	J B	250	ug/L	8260B
Chlorobenzene		3900		250	ug/L	8260B
Ethylbenzene		490		250	ug/L	8260B
Toluene		74	J	250	ug/L	8260B
1,2-Dichlorobenzene		530		250	ug/L	8260B
1,4-Dichlorobenzene		150	J	250	ug/L	8260B
Bis(2-chloroethyl)ether		6.9		4.9	ug/L	8270C LL
1,1'-Biphenyl		1.7	J	25	ug/L	8270C LL
2-Chlorophenol		12	J	25	ug/L	8270C LL
2,4-Dimethylphenol		19	J	25	ug/L	8270C LL
2-Methylphenol		5.4	J	25	ug/L	8270C LL
2,2'-oxybis[1-chloropropane]		81		4.9	ug/L	8270C LL
Diethyl phthalate		7.8	J	25	ug/L	8270C LL
Naphthalene		35		4.9	ug/L	8270C LL
1,4-Dioxane		40	J	49	ug/L	8270C LL
Arsenic		33		1.0	ug/L	6020A
Barium		720		10	ug/L	6020A
Lead		0.62	J B	1.0	ug/L	6020A
Iron		13000	B	50	ug/L	6020A
Manganese		1900	B	5.0	ug/L	6020A
Vanadium		2.8	B	1.0	ug/L	6020A
Dissolved						
Arsenic		32		1.0	ug/L	6020A
Barium		700		10	ug/L	6020A
Iron		11000	B	50	ug/L	6020A
Lead		0.043	J B	1.0	ug/L	6020A
Manganese		1900	B	5.0	ug/L	6020A
Vanadium		2.6	B	1.0	ug/L	6020A

EXECUTIVE SUMMARY - Detections

Client: Science Applications International Corp

Job Number: 180-14634-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
180-14634-3	**MW-105**					
Benzene		2.7		2.0	ug/L	8260B
Carbon disulfide		1.0	J B	2.0	ug/L	8260B
Chlorobenzene		1.8	J	2.0	ug/L	8260B
Vinyl chloride		5.6		2.0	ug/L	8260B
cis-1,2-Dichloroethene		0.49	J	2.0	ug/L	8260B
1,4-Dioxane		280	J	400	ug/L	8260B
2,2'-oxybis[1-chloropropane]		7.4		0.20	ug/L	8270C LL
1,4-Dioxane		170		20	ug/L	8270C LL
Arsenic		41		1.0	ug/L	6020A
Barium		270		10	ug/L	6020A
Lead		10	B	1.0	ug/L	6020A
Iron		140000	B	50	ug/L	6020A
Manganese		4300	B	5.0	ug/L	6020A
Vanadium		13	B	1.0	ug/L	6020A
Dissolved						
Arsenic		26		1.0	ug/L	6020A
Barium		170		10	ug/L	6020A
Iron		95000	B	50	ug/L	6020A
Lead		0.45	J B	1.0	ug/L	6020A
Manganese		4400	B	5.0	ug/L	6020A
Vanadium		2.3	B	1.0	ug/L	6020A
180-14634-4	**MW-109**					
Carbon disulfide		0.58	J B	1.0	ug/L	8260B
Chlorobenzene		0.59	J	1.0	ug/L	8260B
Vinyl chloride		0.84	J	1.0	ug/L	8260B
cis-1,2-Dichloroethene		0.50	J	1.0	ug/L	8260B
Barium		140		10	ug/L	6020A
Lead		0.18	J B	1.0	ug/L	6020A
Iron		280	B	50	ug/L	6020A
Manganese		260	B	5.0	ug/L	6020A
Dissolved						
Barium		140		10	ug/L	6020A
Iron		120	B	50	ug/L	6020A
Lead		0.033	J B	1.0	ug/L	6020A
Manganese		250	B	5.0	ug/L	6020A

EXECUTIVE SUMMARY - Detections

Client: Science Applications International Corp

Job Number: 180-14634-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
180-14634-5	**MW-114**					
Benzene		110	J	150	ug/L	8260B
Carbon disulfide		74	J B	150	ug/L	8260B
Chlorobenzene		3600		150	ug/L	8260B
Ethylbenzene		460		150	ug/L	8260B
Toluene		78	J	150	ug/L	8260B
1,2-Dichlorobenzene		480		150	ug/L	8260B
1,4-Dichlorobenzene		150		150	ug/L	8260B
Bis(2-chloroethyl)ether		6.5		4.0	ug/L	8270C LL
1,1'-Biphenyl		1.7	J	20	ug/L	8270C LL
2-Chlorophenol		11	J	20	ug/L	8270C LL
2,4-Dimethylphenol		18	J	20	ug/L	8270C LL
2-Methylphenol		5.3	J	20	ug/L	8270C LL
2,2'-oxybis[1-chloropropane]		79		4.0	ug/L	8270C LL
Diethyl phthalate		7.3	J	20	ug/L	8270C LL
Naphthalene		36		4.0	ug/L	8270C LL
Phenol		4.9		4.0	ug/L	8270C LL
1,4-Dioxane		36	J	40	ug/L	8270C LL
Arsenic		34		1.0	ug/L	6020A
Barium		700		10	ug/L	6020A
Lead		0.57	J B	1.0	ug/L	6020A
Iron		13000	B	50	ug/L	6020A
Manganese		1900	B	5.0	ug/L	6020A
Vanadium		1.4	B	1.0	ug/L	6020A
Dissolved						
Arsenic		33		1.0	ug/L	6020A
Barium		710		10	ug/L	6020A
Iron		11000	B	50	ug/L	6020A
Lead		0.028	J B	1.0	ug/L	6020A
Manganese		1900	B	5.0	ug/L	6020A
Vanadium		1.5	B	1.0	ug/L	6020A

EXECUTIVE SUMMARY - Detections

Client: Science Applications International Corp

Job Number: 180-14634-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
180-14634-6	**MW-101**					
Carbon disulfide		0.52	J B	1.0	ug/L	8260B
Methylene Chloride		0.26	J	1.0	ug/L	8260B
Arsenic		1.7		1.0	ug/L	6020A
Barium		140		10	ug/L	6020A
Lead		4.0	B	1.0	ug/L	6020A
Iron		12000	B	50	ug/L	6020A
Manganese		190	B	5.0	ug/L	6020A
Vanadium		10	B	1.0	ug/L	6020A
Dissolved						
Arsenic		0.40	J	1.0	ug/L	6020A
Barium		110		10	ug/L	6020A
Iron		1900	B	50	ug/L	6020A
Lead		0.47	J B	1.0	ug/L	6020A
Manganese		100	B	5.0	ug/L	6020A
Vanadium		3.6	B	1.0	ug/L	6020A
180-14634-7	**MW-102**					
Carbon disulfide		0.49	J B	1.0	ug/L	8260B
1,2-Dichloroethane		0.29	J	1.0	ug/L	8260B
1,2-Dichloropropane		7.9		1.0	ug/L	8260B
Trichloroethene		0.22	J	1.0	ug/L	8260B
cis-1,2-Dichloroethene		0.25	J	1.0	ug/L	8260B
Butyl benzyl phthalate		0.17	J	1.0	ug/L	8270C LL
Hexachlorobutadiene		0.22		0.20	ug/L	8270C LL
Phenanthrene		0.052	J	0.20	ug/L	8270C LL
1,4-Dioxane		0.92	J	2.0	ug/L	8270C LL
Arsenic		2.8		1.0	ug/L	6020A
Barium		160		10	ug/L	6020A
Lead		4.2	B	1.0	ug/L	6020A
Iron		19000	B	50	ug/L	6020A
Manganese		550	B	5.0	ug/L	6020A
Vanadium		17	B	1.0	ug/L	6020A
Dissolved						
Arsenic		0.37	J	1.0	ug/L	6020A
Barium		120		10	ug/L	6020A
Iron		280	B	50	ug/L	6020A
Lead		0.094	J B	1.0	ug/L	6020A
Manganese		130	B	5.0	ug/L	6020A

EXECUTIVE SUMMARY - Detections

Client: Science Applications International Corp

Job Number: 180-14634-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
180-14634-8	**MW-106**					
Benzene		22	J	100	ug/L	8260B
Carbon disulfide		46	J B	100	ug/L	8260B
Chlorobenzene		1600		100	ug/L	8260B
1,1,2-Trichloroethane		25	J	100	ug/L	8260B
Trichloroethene		170		100	ug/L	8260B
cis-1,2-Dichloroethene		71	J	100	ug/L	8260B
1,2-Dichlorobenzene		23	J	100	ug/L	8260B
Bis(2-chloroethyl)ether		3.8		0.97	ug/L	8270C LL
2-Chlorophenol		3.6	J	4.9	ug/L	8270C LL
2,2'-oxybis[1-chloropropane]		24		0.97	ug/L	8270C LL
Phenol		0.44	J	0.97	ug/L	8270C LL
1,4-Dioxane		24		9.7	ug/L	8270C LL
Arsenic		5.5		1.0	ug/L	6020A
Barium		1200		10	ug/L	6020A
Lead		44	B	1.0	ug/L	6020A
Iron		25000	B	50	ug/L	6020A
Manganese		4900	B	5.0	ug/L	6020A
Vanadium		56	B	1.0	ug/L	6020A
Dissolved						
Arsenic		3.5		1.0	ug/L	6020A
Barium		460		10	ug/L	6020A
Iron		1700	B	50	ug/L	6020A
Lead		1.1	B	1.0	ug/L	6020A
Manganese		5100	B	5.0	ug/L	6020A
Vanadium		2.9	B	1.0	ug/L	6020A
180-14634-9	**MW-110**					
Acetone		5.3	*	5.0	ug/L	8260B
Chlorobenzene		0.20	J	1.0	ug/L	8260B
Methylene Chloride		0.16	J	1.0	ug/L	8260B
Arsenic		1.4		1.0	ug/L	6020A
Barium		510		10	ug/L	6020A
Lead		1.4	B	1.0	ug/L	6020A
Iron		2600	B	50	ug/L	6020A
Manganese		900	B	5.0	ug/L	6020A
Vanadium		5.8	B	1.0	ug/L	6020A
Dissolved						
Arsenic		2.2		1.0	ug/L	6020A
Barium		410		10	ug/L	6020A
Iron		670	B	50	ug/L	6020A
Lead		0.42	J B	1.0	ug/L	6020A
Manganese		970	B	5.0	ug/L	6020A
Vanadium		4.4	B	1.0	ug/L	6020A

EXECUTIVE SUMMARY - Detections

Client: Science Applications International Corp

Job Number: 180-14634-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
180-14634-10	**TMP-1**					
Acetone		11		5.0	ug/L	8260B
Carbon disulfide		0.85	J B	1.0	ug/L	8260B
trans-1,2-Dichloroethene		0.21	J	1.0	ug/L	8260B
Methylene Chloride		0.29	J	1.0	ug/L	8260B
Trichloroethene		1.8		1.0	ug/L	8260B
cis-1,2-Dichloroethene		2.2		1.0	ug/L	8260B
180-14634-11	**TMP-5**					
Carbon disulfide		0.43	J B	1.0	ug/L	8260B
Acetophenone		0.095	J	1.0	ug/L	8270C LL
Arsenic		2.4		1.0	ug/L	6020A
Barium		190		10	ug/L	6020A
Lead		4.3	B	1.0	ug/L	6020A
Iron		5500	B	50	ug/L	6020A
Manganese		3000	B	5.0	ug/L	6020A
Vanadium		6.3	B	1.0	ug/L	6020A
Dissolved						
Arsenic		1.8		1.0	ug/L	6020A
Barium		91		10	ug/L	6020A
Iron		59	B	50	ug/L	6020A
Lead		0.043	J B	1.0	ug/L	6020A
Manganese		2400	B	5.0	ug/L	6020A
Vanadium		2.8	B	1.0	ug/L	6020A
180-14634-12	**FB-2**					
Acetone		9.9		5.0	ug/L	8260B
2-Butanone (MEK)		1.5	J	5.0	ug/L	8260B
Carbon disulfide		0.47	J B	1.0	ug/L	8260B
Methylene Chloride		0.26	J	1.0	ug/L	8260B
Acetophenone		0.31	J	1.0	ug/L	8270C LL
Barium		0.43	J	10	ug/L	6020A
Lead		0.043	J B	1.0	ug/L	6020A
Iron		33	J B	50	ug/L	6020A
Manganese		1.1	J B	5.0	ug/L	6020A
Vanadium		1.5	B	1.0	ug/L	6020A
Dissolved						
Barium		0.26	J	10	ug/L	6020A
Iron		43	J B	50	ug/L	6020A
Lead		0.092	J B	1.0	ug/L	6020A
Manganese		1.3	J B	5.0	ug/L	6020A
Vanadium		3.2	B	1.0	ug/L	6020A

EXECUTIVE SUMMARY - Detections

Client: Science Applications International Corp

Job Number: 180-14634-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
180-14634-13	**TMP-3**					
Acetone		6.7		5.0	ug/L	8260B
2-Butanone (MEK)		0.91	J	5.0	ug/L	8260B
Carbon disulfide		0.49	J B	1.0	ug/L	8260B
Arsenic		2.3		1.0	ug/L	6020A
Barium		180		10	ug/L	6020A
Lead		1.9	B	1.0	ug/L	6020A
Iron		4200	B	50	ug/L	6020A
Manganese		1400	B	5.0	ug/L	6020A
Vanadium		5.1	B	1.0	ug/L	6020A
Dissolved						
Barium		190		10	ug/L	6020A
Iron		700	B	50	ug/L	6020A
Lead		0.38	J B	1.0	ug/L	6020A
Manganese		1600	B	5.0	ug/L	6020A

METHOD SUMMARY

Client: Science Applications International Corp

Job Number: 180-14634-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL PIT	SW846 8260B	
Purge and Trap	TAL PIT		SW846 5030B
Semivolatile Organic Compounds by GCMS - Low Levels	TAL PIT	SW846 8270C LL	
Liquid-Liquid Extraction (Continuous	TAL PIT		SW846 3520C
Metals (ICP/MS)	TAL PIT	SW846 6020A	
Preparation, Total Recoverable or Dissolved Metals	TAL PIT		SW846 3005A
Sample Filtration, Field			FIELD_FLTRD
Metals (ICP/MS)	TAL PIT	SW846 6020A	
Preparation, Total Metals	TAL PIT		SW846 3010A

Lab References:

TAL PIT = TestAmerica Pittsburgh

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Science Applications International Corp

Job Number: 180-14634-1

Method	Analyst	Analyst ID
SW846 8260B	Ferguson, Donald	DF
SW846 8270C LL	Piccolino, Vincent	VP
SW846 6020A	Reinheimer, Bill	BR

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 180-14634-1

Client Matrix: Water

Date Sampled: 09/19/2012 0000

Date Received: 09/20/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50119	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60928009.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2012 1315			Final Weight/Volume:	5 mL
Prep Date:	09/28/2012 1315				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		2.5	5.0
Benzene	ND		0.11	1.0
Bromodichloromethane	ND		0.13	1.0
Bromoform	ND		0.19	1.0
Bromomethane	ND		0.31	1.0
2-Butanone (MEK)	ND		0.55	5.0
Carbon disulfide	0.62	J B	0.21	1.0
Carbon tetrachloride	ND		0.14	1.0
Chlorobenzene	ND		0.14	1.0
Chloroethane	ND		0.21	1.0
Chloroform	ND		0.17	1.0
Dibromochloromethane	ND		0.14	1.0
1,2-Dibromo-3-Chloropropane	ND		0.14	1.0
1,2-Dibromoethane (EDB)	ND		0.18	1.0
1,1-Dichloroethane	ND		0.12	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,1-Dichloroethene	ND		0.30	1.0
trans-1,2-Dichloroethene	ND		0.17	1.0
1,2-Dichloropropane	ND		0.095	1.0
cis-1,3-Dichloropropene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.15	1.0
Ethylbenzene	ND		0.23	1.0
2-Hexanone	ND		0.16	5.0
Methylene Chloride	2.0		0.15	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.53	5.0
Styrene	ND		0.097	1.0
1,1,2,2-Tetrachloroethane	ND		0.20	1.0
Tetrachloroethene	ND		0.15	1.0
Toluene	ND		0.15	1.0
1,1,1-Trichloroethane	ND		0.29	1.0
1,1,2-Trichloroethane	ND		0.20	1.0
Trichloroethene	ND		0.14	1.0
Trichlorofluoromethane	ND		0.20	1.0
Vinyl chloride	ND		0.23	1.0
Xylenes, Total	ND		0.49	3.0
Cyclohexane	ND		0.25	1.0
cis-1,2-Dichloroethene	ND		0.24	1.0
Dichlorodifluoromethane	ND		0.19	1.0
Isopropylbenzene	ND		0.16	1.0
Methyl acetate	ND		0.14	1.0
Methylcyclohexane	ND		0.26	1.0
Methyl tert-butyl ether	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.32	1.0
1,2-Dichlorobenzene	ND		0.15	1.0
1,3-Dichlorobenzene	ND		0.11	1.0
1,4-Dichlorobenzene	ND		0.21	1.0

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 180-14634-1

Client Matrix: Water

Date Sampled: 09/19/2012 0000

Date Received: 09/20/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50119	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60928009.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2012 1315			Final Weight/Volume:	5 mL
Prep Date:	09/28/2012 1315				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene	ND		0.27	1.0
Chloromethane	ND		0.28	1.0
1,4-Dioxane	ND		34	200

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	119		64 - 135
Toluene-d8 (Surr)	92		71 - 118
4-Bromofluorobenzene (Surr)	91		70 - 118
Dibromofluoromethane (Surr)	99		70 - 128

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 180-14634-1

Client Matrix: Water

Date Sampled: 09/19/2012 0000

Date Received: 09/20/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50119	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60928009.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2012 1315			Final Weight/Volume:	5 mL
Prep Date:	09/28/2012 1315				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-104**

Lab Sample ID: 180-14634-2

Client Matrix: Water

Date Sampled: 09/19/2012 0830

Date Received: 09/20/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50119	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60928010.D
Dilution:	250			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2012 1339			Final Weight/Volume:	5 mL
Prep Date:	09/28/2012 1339				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		630	1300
Benzene	120	J	26	250
Bromodichloromethane	ND		33	250
Bromoform	ND		48	250
Bromomethane	ND		78	250
2-Butanone (MEK)	ND		140	1300
Carbon disulfide	130	J B	53	250
Carbon tetrachloride	ND		34	250
Chlorobenzene	3900		34	250
Chloroethane	ND		54	250
Chloroform	ND		43	250
Dibromochloromethane	ND		34	250
1,2-Dibromo-3-Chloropropane	ND		35	250
1,2-Dibromoethane (EDB)	ND		45	250
1,1-Dichloroethane	ND		29	250
1,2-Dichloroethane	ND		53	250
1,1-Dichloroethene	ND		74	250
trans-1,2-Dichloroethene	ND		42	250
1,2-Dichloropropane	ND		24	250
cis-1,3-Dichloropropene	ND		47	250
trans-1,3-Dichloropropene	ND		37	250
Ethylbenzene	490		57	250
2-Hexanone	ND		40	1300
Methylene Chloride	ND		37	250
4-Methyl-2-pentanone (MIBK)	ND		130	1300
Styrene	ND		24	250
1,1,2,2-Tetrachloroethane	ND		50	250
Tetrachloroethene	ND		37	250
Toluene	74	J	38	250
1,1,1-Trichloroethane	ND		72	250
1,1,2-Trichloroethane	ND		50	250
Trichloroethene	ND		36	250
Trichlorofluoromethane	ND		50	250
Vinyl chloride	ND		57	250
Xylenes, Total	ND		120	750
Cyclohexane	ND		64	250
cis-1,2-Dichloroethene	ND		59	250
Dichlorodifluoromethane	ND		48	250
Isopropylbenzene	ND		41	250
Methyl acetate	ND		34	250
Methylcyclohexane	ND		65	250
Methyl tert-butyl ether	ND		46	250
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		80	250
1,2-Dichlorobenzene	530		38	250
1,3-Dichlorobenzene	ND		26	250
1,4-Dichlorobenzene	150	J	52	250

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-104**

Lab Sample ID: 180-14634-2

Client Matrix: Water

Date Sampled: 09/19/2012 0830

Date Received: 09/20/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50119	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60928010.D
Dilution:	250			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2012 1339			Final Weight/Volume:	5 mL
Prep Date:	09/28/2012 1339				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene	ND		68	250
Chloromethane	ND		71	250
1,4-Dioxane	ND		8600	50000

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	118		64 - 135
Toluene-d8 (Surr)	90		71 - 118
4-Bromofluorobenzene (Surr)	94		70 - 118
Dibromofluoromethane (Surr)	98		70 - 128

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-104**

Lab Sample ID: 180-14634-2

Client Matrix: Water

Date Sampled: 09/19/2012 0830

Date Received: 09/20/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50119	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60928010.D
Dilution:	250			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2012 1339			Final Weight/Volume:	5 mL
Prep Date:	09/28/2012 1339				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-105**

Lab Sample ID: 180-14634-3

Client Matrix: Water

Date Sampled: 09/19/2012 0920

Date Received: 09/20/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50119	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60928011.D
Dilution:	2.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2012 1403			Final Weight/Volume:	5 mL
Prep Date:	09/28/2012 1403				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		5.0	10
Benzene	2.7		0.21	2.0
Bromodichloromethane	ND		0.26	2.0
Bromoform	ND		0.38	2.0
Bromomethane	ND		0.63	2.0
2-Butanone (MEK)	ND		1.1	10
Carbon disulfide	1.0	J B	0.42	2.0
Carbon tetrachloride	ND		0.27	2.0
Chlorobenzene	1.8	J	0.27	2.0
Chloroethane	ND		0.43	2.0
Chloroform	ND		0.34	2.0
Dibromochloromethane	ND		0.27	2.0
1,2-Dibromo-3-Chloropropane	ND		0.28	2.0
1,2-Dibromoethane (EDB)	ND		0.36	2.0
1,1-Dichloroethane	ND		0.23	2.0
1,2-Dichloroethane	ND		0.42	2.0
1,1-Dichloroethene	ND		0.59	2.0
trans-1,2-Dichloroethene	ND		0.34	2.0
1,2-Dichloropropane	ND		0.19	2.0
cis-1,3-Dichloropropene	ND		0.37	2.0
trans-1,3-Dichloropropene	ND		0.30	2.0
Ethylbenzene	ND		0.45	2.0
2-Hexanone	ND		0.32	10
Methylene Chloride	ND		0.30	2.0
4-Methyl-2-pentanone (MIBK)	ND		1.1	10
Styrene	ND		0.19	2.0
1,1,2,2-Tetrachloroethane	ND		0.40	2.0
Tetrachloroethene	ND		0.30	2.0
Toluene	ND		0.30	2.0
1,1,1-Trichloroethane	ND		0.57	2.0
1,1,2-Trichloroethane	ND		0.40	2.0
Trichloroethene	ND		0.29	2.0
Trichlorofluoromethane	ND		0.40	2.0
Vinyl chloride	5.6		0.45	2.0
Xylenes, Total	ND		0.98	6.0
Cyclohexane	ND		0.51	2.0
cis-1,2-Dichloroethene	0.49	J	0.47	2.0
Dichlorodifluoromethane	ND		0.39	2.0
Isopropylbenzene	ND		0.33	2.0
Methyl acetate	ND		0.28	2.0
Methylcyclohexane	ND		0.52	2.0
Methyl tert-butyl ether	ND		0.37	2.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.64	2.0
1,2-Dichlorobenzene	ND		0.30	2.0
1,3-Dichlorobenzene	ND		0.21	2.0
1,4-Dichlorobenzene	ND		0.41	2.0

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-105**

Lab Sample ID: 180-14634-3

Client Matrix: Water

Date Sampled: 09/19/2012 0920

Date Received: 09/20/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50119	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60928011.D
Dilution:	2.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2012 1403			Final Weight/Volume:	5 mL
Prep Date:	09/28/2012 1403				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene	ND		0.54	2.0
Chloromethane	ND		0.57	2.0
1,4-Dioxane	280	J	69	400

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	114		64 - 135
Toluene-d8 (Surr)	90		71 - 118
4-Bromofluorobenzene (Surr)	90		70 - 118
Dibromofluoromethane (Surr)	98		70 - 128

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-105**

Lab Sample ID: 180-14634-3

Client Matrix: Water

Date Sampled: 09/19/2012 0920

Date Received: 09/20/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50119	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60928011.D
Dilution:	2.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2012 1403			Final Weight/Volume:	5 mL
Prep Date:	09/28/2012 1403				

Tentatively Identified Compounds **Number TIC's Found:** **2**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
75-43-4	Methane, dichlorofluoro-	2.66	22	T J N
108-20-3	Diisopropyl ether	5.35	140	T J N

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-109**

Lab Sample ID: 180-14634-4

Client Matrix: Water

Date Sampled: 09/19/2012 1030

Date Received: 09/20/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50119	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60928012.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2012 1427			Final Weight/Volume:	5 mL
Prep Date:	09/28/2012 1427				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		2.5	5.0
Benzene	ND		0.11	1.0
Bromodichloromethane	ND		0.13	1.0
Bromoform	ND		0.19	1.0
Bromomethane	ND		0.31	1.0
2-Butanone (MEK)	ND		0.55	5.0
Carbon disulfide	0.58	J B	0.21	1.0
Carbon tetrachloride	ND		0.14	1.0
Chlorobenzene	0.59	J	0.14	1.0
Chloroethane	ND		0.21	1.0
Chloroform	ND		0.17	1.0
Dibromochloromethane	ND		0.14	1.0
1,2-Dibromo-3-Chloropropane	ND		0.14	1.0
1,2-Dibromoethane (EDB)	ND		0.18	1.0
1,1-Dichloroethane	ND		0.12	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,1-Dichloroethene	ND		0.30	1.0
trans-1,2-Dichloroethene	ND		0.17	1.0
1,2-Dichloropropane	ND		0.095	1.0
cis-1,3-Dichloropropene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.15	1.0
Ethylbenzene	ND		0.23	1.0
2-Hexanone	ND		0.16	5.0
Methylene Chloride	ND		0.15	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.53	5.0
Styrene	ND		0.097	1.0
1,1,2,2-Tetrachloroethane	ND		0.20	1.0
Tetrachloroethene	ND		0.15	1.0
Toluene	ND		0.15	1.0
1,1,1-Trichloroethane	ND		0.29	1.0
1,1,2-Trichloroethane	ND		0.20	1.0
Trichloroethene	ND		0.14	1.0
Trichlorofluoromethane	ND		0.20	1.0
Vinyl chloride	0.84	J	0.23	1.0
Xylenes, Total	ND		0.49	3.0
Cyclohexane	ND		0.25	1.0
cis-1,2-Dichloroethene	0.50	J	0.24	1.0
Dichlorodifluoromethane	ND		0.19	1.0
Isopropylbenzene	ND		0.16	1.0
Methyl acetate	ND		0.14	1.0
Methylcyclohexane	ND		0.26	1.0
Methyl tert-butyl ether	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.32	1.0
1,2-Dichlorobenzene	ND		0.15	1.0
1,3-Dichlorobenzene	ND		0.11	1.0
1,4-Dichlorobenzene	ND		0.21	1.0

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-109**

Lab Sample ID: 180-14634-4

Client Matrix: Water

Date Sampled: 09/19/2012 1030

Date Received: 09/20/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50119	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60928012.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2012 1427			Final Weight/Volume:	5 mL
Prep Date:	09/28/2012 1427				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene	ND		0.27	1.0
Chloromethane	ND		0.28	1.0
1,4-Dioxane	ND		34	200

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	115		64 - 135
Toluene-d8 (Surr)	88		71 - 118
4-Bromofluorobenzene (Surr)	91		70 - 118
Dibromofluoromethane (Surr)	98		70 - 128

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-109**

Lab Sample ID: 180-14634-4

Client Matrix: Water

Date Sampled: 09/19/2012 1030

Date Received: 09/20/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50119	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60928012.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2012 1427			Final Weight/Volume:	5 mL
Prep Date:	09/28/2012 1427				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-114**

Lab Sample ID: 180-14634-5

Client Matrix: Water

Date Sampled: 09/19/2012 1200

Date Received: 09/20/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50119	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60928014.D
Dilution:	150			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2012 1515			Final Weight/Volume:	5 mL
Prep Date:	09/28/2012 1515				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		380	750
Benzene	110	J	16	150
Bromodichloromethane	ND		20	150
Bromoform	ND		29	150
Bromomethane	ND		47	150
2-Butanone (MEK)	ND		82	750
Carbon disulfide	74	J B	32	150
Carbon tetrachloride	ND		20	150
Chlorobenzene	3600		20	150
Chloroethane	ND		32	150
Chloroform	ND		26	150
Dibromochloromethane	ND		20	150
1,2-Dibromo-3-Chloropropane	ND		21	150
1,2-Dibromoethane (EDB)	ND		27	150
1,1-Dichloroethane	ND		17	150
1,2-Dichloroethane	ND		32	150
1,1-Dichloroethene	ND		44	150
trans-1,2-Dichloroethene	ND		25	150
1,2-Dichloropropane	ND		14	150
cis-1,3-Dichloropropene	ND		28	150
trans-1,3-Dichloropropene	ND		22	150
Ethylbenzene	460		34	150
2-Hexanone	ND		24	750
Methylene Chloride	ND		22	150
4-Methyl-2-pentanone (MIBK)	ND		79	750
Styrene	ND		14	150
1,1,2,2-Tetrachloroethane	ND		30	150
Tetrachloroethene	ND		22	150
Toluene	78	J	23	150
1,1,1-Trichloroethane	ND		43	150
1,1,2-Trichloroethane	ND		30	150
Trichloroethene	ND		21	150
Trichlorofluoromethane	ND		30	150
Vinyl chloride	ND		34	150
Xylenes, Total	ND		73	450
Cyclohexane	ND		38	150
cis-1,2-Dichloroethene	ND		36	150
Dichlorodifluoromethane	ND		29	150
Isopropylbenzene	ND		25	150
Methyl acetate	ND		21	150
Methylcyclohexane	ND		39	150
Methyl tert-butyl ether	ND		27	150
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		48	150
1,2-Dichlorobenzene	480		23	150
1,3-Dichlorobenzene	ND		16	150
1,4-Dichlorobenzene	150		31	150

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-114**

Lab Sample ID: 180-14634-5

Client Matrix: Water

Date Sampled: 09/19/2012 1200

Date Received: 09/20/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50119	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60928014.D
Dilution:	150			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2012 1515			Final Weight/Volume:	5 mL
Prep Date:	09/28/2012 1515				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene	ND		41	150
Chloromethane	ND		42	150
1,4-Dioxane	ND		5100	30000

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	117		64 - 135
Toluene-d8 (Surr)	90		71 - 118
4-Bromofluorobenzene (Surr)	93		70 - 118
Dibromofluoromethane (Surr)	96		70 - 128

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-114**

Lab Sample ID: 180-14634-5

Client Matrix: Water

Date Sampled: 09/19/2012 1200

Date Received: 09/20/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50119	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60928014.D
Dilution:	150			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2012 1515			Final Weight/Volume:	5 mL
Prep Date:	09/28/2012 1515				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-101**

Lab Sample ID: 180-14634-6

Client Matrix: Water

Date Sampled: 09/19/2012 0820

Date Received: 09/20/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50119	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60928015.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2012 1539			Final Weight/Volume:	5 mL
Prep Date:	09/28/2012 1539				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		2.5	5.0
Benzene	ND		0.11	1.0
Bromodichloromethane	ND		0.13	1.0
Bromoform	ND		0.19	1.0
Bromomethane	ND		0.31	1.0
2-Butanone (MEK)	ND		0.55	5.0
Carbon disulfide	0.52	J B	0.21	1.0
Carbon tetrachloride	ND		0.14	1.0
Chlorobenzene	ND		0.14	1.0
Chloroethane	ND		0.21	1.0
Chloroform	ND		0.17	1.0
Dibromochloromethane	ND		0.14	1.0
1,2-Dibromo-3-Chloropropane	ND		0.14	1.0
1,2-Dibromoethane (EDB)	ND		0.18	1.0
1,1-Dichloroethane	ND		0.12	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,1-Dichloroethene	ND		0.30	1.0
trans-1,2-Dichloroethene	ND		0.17	1.0
1,2-Dichloropropane	ND		0.095	1.0
cis-1,3-Dichloropropene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.15	1.0
Ethylbenzene	ND		0.23	1.0
2-Hexanone	ND		0.16	5.0
Methylene Chloride	0.26	J	0.15	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.53	5.0
Styrene	ND		0.097	1.0
1,1,2,2-Tetrachloroethane	ND		0.20	1.0
Tetrachloroethene	ND		0.15	1.0
Toluene	ND		0.15	1.0
1,1,1-Trichloroethane	ND		0.29	1.0
1,1,2-Trichloroethane	ND		0.20	1.0
Trichloroethene	ND		0.14	1.0
Trichlorofluoromethane	ND		0.20	1.0
Vinyl chloride	ND		0.23	1.0
Xylenes, Total	ND		0.49	3.0
Cyclohexane	ND		0.25	1.0
cis-1,2-Dichloroethene	ND		0.24	1.0
Dichlorodifluoromethane	ND		0.19	1.0
Isopropylbenzene	ND		0.16	1.0
Methyl acetate	ND		0.14	1.0
Methylcyclohexane	ND		0.26	1.0
Methyl tert-butyl ether	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.32	1.0
1,2-Dichlorobenzene	ND		0.15	1.0
1,3-Dichlorobenzene	ND		0.11	1.0
1,4-Dichlorobenzene	ND		0.21	1.0

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-101**

Lab Sample ID: 180-14634-6

Client Matrix: Water

Date Sampled: 09/19/2012 0820

Date Received: 09/20/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50119	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60928015.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2012 1539			Final Weight/Volume:	5 mL
Prep Date:	09/28/2012 1539				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene	ND		0.27	1.0
Chloromethane	ND		0.28	1.0
1,4-Dioxane	ND		34	200

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	117		64 - 135
Toluene-d8 (Surr)	90		71 - 118
4-Bromofluorobenzene (Surr)	92		70 - 118
Dibromofluoromethane (Surr)	98		70 - 128

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-101**

Lab Sample ID: 180-14634-6

Client Matrix: Water

Date Sampled: 09/19/2012 0820

Date Received: 09/20/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50119	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60928015.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2012 1539			Final Weight/Volume:	5 mL
Prep Date:	09/28/2012 1539				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-102**

Lab Sample ID: 180-14634-7

Client Matrix: Water

Date Sampled: 09/19/2012 1045

Date Received: 09/20/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50119	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60928016.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2012 1603			Final Weight/Volume:	5 mL
Prep Date:	09/28/2012 1603				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		2.5	5.0
Benzene	ND		0.11	1.0
Bromodichloromethane	ND		0.13	1.0
Bromoform	ND		0.19	1.0
Bromomethane	ND		0.31	1.0
2-Butanone (MEK)	ND		0.55	5.0
Carbon disulfide	0.49	J B	0.21	1.0
Carbon tetrachloride	ND		0.14	1.0
Chlorobenzene	ND		0.14	1.0
Chloroethane	ND		0.21	1.0
Chloroform	ND		0.17	1.0
Dibromochloromethane	ND		0.14	1.0
1,2-Dibromo-3-Chloropropane	ND		0.14	1.0
1,2-Dibromoethane (EDB)	ND		0.18	1.0
1,1-Dichloroethane	ND		0.12	1.0
1,2-Dichloroethane	0.29	J	0.21	1.0
1,1-Dichloroethene	ND		0.30	1.0
trans-1,2-Dichloroethene	ND		0.17	1.0
1,2-Dichloropropane	7.9		0.095	1.0
cis-1,3-Dichloropropene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.15	1.0
Ethylbenzene	ND		0.23	1.0
2-Hexanone	ND		0.16	5.0
Methylene Chloride	ND		0.15	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.53	5.0
Styrene	ND		0.097	1.0
1,1,2,2-Tetrachloroethane	ND		0.20	1.0
Tetrachloroethene	ND		0.15	1.0
Toluene	ND		0.15	1.0
1,1,1-Trichloroethane	ND		0.29	1.0
1,1,2-Trichloroethane	ND		0.20	1.0
Trichloroethene	0.22	J	0.14	1.0
Trichlorofluoromethane	ND		0.20	1.0
Vinyl chloride	ND		0.23	1.0
Xylenes, Total	ND		0.49	3.0
Cyclohexane	ND		0.25	1.0
cis-1,2-Dichloroethene	0.25	J	0.24	1.0
Dichlorodifluoromethane	ND		0.19	1.0
Isopropylbenzene	ND		0.16	1.0
Methyl acetate	ND		0.14	1.0
Methylcyclohexane	ND		0.26	1.0
Methyl tert-butyl ether	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.32	1.0
1,2-Dichlorobenzene	ND		0.15	1.0
1,3-Dichlorobenzene	ND		0.11	1.0
1,4-Dichlorobenzene	ND		0.21	1.0

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-102**

Lab Sample ID: 180-14634-7

Client Matrix: Water

Date Sampled: 09/19/2012 1045

Date Received: 09/20/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50119	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60928016.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2012 1603			Final Weight/Volume:	5 mL
Prep Date:	09/28/2012 1603				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene	ND		0.27	1.0
Chloromethane	ND		0.28	1.0
1,4-Dioxane	ND		34	200

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	118		64 - 135
Toluene-d8 (Surr)	91		71 - 118
4-Bromofluorobenzene (Surr)	92		70 - 118
Dibromofluoromethane (Surr)	100		70 - 128

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-102**

Lab Sample ID: 180-14634-7

Client Matrix: Water

Date Sampled: 09/19/2012 1045

Date Received: 09/20/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50119	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60928016.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2012 1603			Final Weight/Volume:	5 mL
Prep Date:	09/28/2012 1603				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-106**

Lab Sample ID: 180-14634-8

Client Matrix: Water

Date Sampled: 09/19/2012 1225

Date Received: 09/20/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50119	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60928017.D
Dilution:	100			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2012 1628			Final Weight/Volume:	5 mL
Prep Date:	09/28/2012 1628				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		250	500
Benzene	22	J	11	100
Bromodichloromethane	ND		13	100
Bromoform	ND		19	100
Bromomethane	ND		31	100
2-Butanone (MEK)	ND		55	500
Carbon disulfide	46	J B	21	100
Carbon tetrachloride	ND		14	100
Chlorobenzene	1600		14	100
Chloroethane	ND		21	100
Chloroform	ND		17	100
Dibromochloromethane	ND		14	100
1,2-Dibromo-3-Chloropropane	ND		14	100
1,2-Dibromoethane (EDB)	ND		18	100
1,1-Dichloroethane	ND		12	100
1,2-Dichloroethane	ND		21	100
1,1-Dichloroethene	ND		30	100
trans-1,2-Dichloroethene	ND		17	100
1,2-Dichloropropane	ND		9.5	100
cis-1,3-Dichloropropene	ND		19	100
trans-1,3-Dichloropropene	ND		15	100
Ethylbenzene	ND		23	100
2-Hexanone	ND		16	500
Methylene Chloride	ND		15	100
4-Methyl-2-pentanone (MIBK)	ND		53	500
Styrene	ND		9.7	100
1,1,2,2-Tetrachloroethane	ND		20	100
Tetrachloroethene	ND		15	100
Toluene	ND		15	100
1,1,1-Trichloroethane	ND		29	100
1,1,2-Trichloroethane	25	J	20	100
Trichloroethene	170		14	100
Trichlorofluoromethane	ND		20	100
Vinyl chloride	ND		23	100
Xylenes, Total	ND		49	300
Cyclohexane	ND		25	100
cis-1,2-Dichloroethene	71	J	24	100
Dichlorodifluoromethane	ND		19	100
Isopropylbenzene	ND		16	100
Methyl acetate	ND		14	100
Methylcyclohexane	ND		26	100
Methyl tert-butyl ether	ND		18	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		32	100
1,2-Dichlorobenzene	23	J	15	100
1,3-Dichlorobenzene	ND		11	100
1,4-Dichlorobenzene	ND		21	100

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-106**

Lab Sample ID: 180-14634-8

Client Matrix: Water

Date Sampled: 09/19/2012 1225

Date Received: 09/20/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50119	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60928017.D
Dilution:	100			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2012 1628			Final Weight/Volume:	5 mL
Prep Date:	09/28/2012 1628				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene	ND		27	100
Chloromethane	ND		28	100
1,4-Dioxane	ND		3400	20000

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	119		64 - 135
Toluene-d8 (Surr)	88		71 - 118
4-Bromofluorobenzene (Surr)	87		70 - 118
Dibromofluoromethane (Surr)	100		70 - 128

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-106**

Lab Sample ID: 180-14634-8

Client Matrix: Water

Date Sampled: 09/19/2012 1225

Date Received: 09/20/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50119	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60928017.D
Dilution:	100			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2012 1628			Final Weight/Volume:	5 mL
Prep Date:	09/28/2012 1628				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-110**

Lab Sample ID: 180-14634-9

Client Matrix: Water

Date Sampled: 09/19/2012 1300

Date Received: 09/20/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50323	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	61001014.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/01/2012 1416			Final Weight/Volume:	5 mL
Prep Date:	10/01/2012 1416				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	5.3	*	2.5	5.0
Benzene	ND		0.11	1.0
Bromodichloromethane	ND		0.13	1.0
Bromoform	ND		0.19	1.0
Bromomethane	ND		0.31	1.0
2-Butanone (MEK)	ND		0.55	5.0
Carbon disulfide	ND		0.21	1.0
Carbon tetrachloride	ND		0.14	1.0
Chlorobenzene	0.20	J	0.14	1.0
Chloroethane	ND		0.21	1.0
Chloroform	ND		0.17	1.0
Dibromochloromethane	ND		0.14	1.0
1,2-Dibromo-3-Chloropropane	ND		0.14	1.0
1,2-Dibromoethane (EDB)	ND		0.18	1.0
1,1-Dichloroethane	ND		0.12	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,1-Dichloroethene	ND		0.30	1.0
trans-1,2-Dichloroethene	ND		0.17	1.0
1,2-Dichloropropane	ND		0.095	1.0
cis-1,3-Dichloropropene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.15	1.0
Ethylbenzene	ND		0.23	1.0
2-Hexanone	ND		0.16	5.0
Methylene Chloride	0.16	J	0.15	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.53	5.0
Styrene	ND		0.097	1.0
1,1,2,2-Tetrachloroethane	ND		0.20	1.0
Tetrachloroethene	ND		0.15	1.0
Toluene	ND		0.15	1.0
1,1,1-Trichloroethane	ND		0.29	1.0
1,1,2-Trichloroethane	ND		0.20	1.0
Trichloroethene	ND		0.14	1.0
Trichlorofluoromethane	ND		0.20	1.0
Vinyl chloride	ND		0.23	1.0
Xylenes, Total	ND		0.49	3.0
Cyclohexane	ND		0.25	1.0
cis-1,2-Dichloroethene	ND		0.24	1.0
Dichlorodifluoromethane	ND		0.19	1.0
Isopropylbenzene	ND		0.16	1.0
Methyl acetate	ND		0.14	1.0
Methylcyclohexane	ND		0.26	1.0
Methyl tert-butyl ether	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.32	1.0
1,2-Dichlorobenzene	ND		0.15	1.0
1,3-Dichlorobenzene	ND		0.11	1.0
1,4-Dichlorobenzene	ND		0.21	1.0

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-110**

Lab Sample ID: 180-14634-9

Client Matrix: Water

Date Sampled: 09/19/2012 1300

Date Received: 09/20/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50323	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	61001014.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/01/2012 1416			Final Weight/Volume:	5 mL
Prep Date:	10/01/2012 1416				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene	ND		0.27	1.0
Chloromethane	ND		0.28	1.0
1,4-Dioxane	ND		34	200

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	125		64 - 135
Toluene-d8 (Surr)	85		71 - 118
4-Bromofluorobenzene (Surr)	91		70 - 118
Dibromofluoromethane (Surr)	107		70 - 128

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-110**

Lab Sample ID: 180-14634-9

Client Matrix: Water

Date Sampled: 09/19/2012 1300

Date Received: 09/20/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50323	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	61001014.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/01/2012 1416			Final Weight/Volume:	5 mL
Prep Date:	10/01/2012 1416				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **TMP-1**

Lab Sample ID: 180-14634-10

Client Matrix: Water

Date Sampled: 09/19/2012 1205

Date Received: 09/20/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50119	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60928018.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2012 1652			Final Weight/Volume:	5 mL
Prep Date:	09/28/2012 1652				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	11		2.5	5.0
Benzene	ND		0.11	1.0
Bromodichloromethane	ND		0.13	1.0
Bromoform	ND		0.19	1.0
Bromomethane	ND		0.31	1.0
2-Butanone (MEK)	ND		0.55	5.0
Carbon disulfide	0.85	J B	0.21	1.0
Carbon tetrachloride	ND		0.14	1.0
Chlorobenzene	ND		0.14	1.0
Chloroethane	ND		0.21	1.0
Chloroform	ND		0.17	1.0
Dibromochloromethane	ND		0.14	1.0
1,2-Dibromo-3-Chloropropane	ND		0.14	1.0
1,2-Dibromoethane (EDB)	ND		0.18	1.0
1,1-Dichloroethane	ND		0.12	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,1-Dichloroethene	ND		0.30	1.0
trans-1,2-Dichloroethene	0.21	J	0.17	1.0
1,2-Dichloropropane	ND		0.095	1.0
cis-1,3-Dichloropropene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.15	1.0
Ethylbenzene	ND		0.23	1.0
2-Hexanone	ND		0.16	5.0
Methylene Chloride	0.29	J	0.15	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.53	5.0
Styrene	ND		0.097	1.0
1,1,2,2-Tetrachloroethane	ND		0.20	1.0
Tetrachloroethene	ND		0.15	1.0
Toluene	ND		0.15	1.0
1,1,1-Trichloroethane	ND		0.29	1.0
1,1,2-Trichloroethane	ND		0.20	1.0
Trichloroethene	1.8		0.14	1.0
Trichlorofluoromethane	ND		0.20	1.0
Vinyl chloride	ND		0.23	1.0
Xylenes, Total	ND		0.49	3.0
Cyclohexane	ND		0.25	1.0
cis-1,2-Dichloroethene	2.2		0.24	1.0
Dichlorodifluoromethane	ND		0.19	1.0
Isopropylbenzene	ND		0.16	1.0
Methyl acetate	ND		0.14	1.0
Methylcyclohexane	ND		0.26	1.0
Methyl tert-butyl ether	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.32	1.0
1,2-Dichlorobenzene	ND		0.15	1.0
1,3-Dichlorobenzene	ND		0.11	1.0
1,4-Dichlorobenzene	ND		0.21	1.0

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **TMP-1**

Lab Sample ID: 180-14634-10

Client Matrix: Water

Date Sampled: 09/19/2012 1205

Date Received: 09/20/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50119	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60928018.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2012 1652			Final Weight/Volume:	5 mL
Prep Date:	09/28/2012 1652				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene	ND		0.27	1.0
Chloromethane	ND		0.28	1.0
1,4-Dioxane	ND		34	200

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	116		64 - 135
Toluene-d8 (Surr)	87		71 - 118
4-Bromofluorobenzene (Surr)	86		70 - 118
Dibromofluoromethane (Surr)	100		70 - 128

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **TMP-1**

Lab Sample ID: 180-14634-10

Client Matrix: Water

Date Sampled: 09/19/2012 1205

Date Received: 09/20/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50119	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60928018.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2012 1652			Final Weight/Volume:	5 mL
Prep Date:	09/28/2012 1652				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **TMP-5**

Lab Sample ID: 180-14634-11

Client Matrix: Water

Date Sampled: 09/19/2012 1230

Date Received: 09/20/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50119	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60928019.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2012 1716			Final Weight/Volume:	5 mL
Prep Date:	09/28/2012 1716				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		2.5	5.0
Benzene	ND		0.11	1.0
Bromodichloromethane	ND		0.13	1.0
Bromoform	ND		0.19	1.0
Bromomethane	ND		0.31	1.0
2-Butanone (MEK)	ND		0.55	5.0
Carbon disulfide	0.43	J B	0.21	1.0
Carbon tetrachloride	ND		0.14	1.0
Chlorobenzene	ND		0.14	1.0
Chloroethane	ND		0.21	1.0
Chloroform	ND		0.17	1.0
Dibromochloromethane	ND		0.14	1.0
1,2-Dibromo-3-Chloropropane	ND		0.14	1.0
1,2-Dibromoethane (EDB)	ND		0.18	1.0
1,1-Dichloroethane	ND		0.12	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,1-Dichloroethene	ND		0.30	1.0
trans-1,2-Dichloroethene	ND		0.17	1.0
1,2-Dichloropropane	ND		0.095	1.0
cis-1,3-Dichloropropene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.15	1.0
Ethylbenzene	ND		0.23	1.0
2-Hexanone	ND		0.16	5.0
Methylene Chloride	ND		0.15	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.53	5.0
Styrene	ND		0.097	1.0
1,1,2,2-Tetrachloroethane	ND		0.20	1.0
Tetrachloroethene	ND		0.15	1.0
Toluene	ND		0.15	1.0
1,1,1-Trichloroethane	ND		0.29	1.0
1,1,2-Trichloroethane	ND		0.20	1.0
Trichloroethene	ND		0.14	1.0
Trichlorofluoromethane	ND		0.20	1.0
Vinyl chloride	ND		0.23	1.0
Xylenes, Total	ND		0.49	3.0
Cyclohexane	ND		0.25	1.0
cis-1,2-Dichloroethene	ND		0.24	1.0
Dichlorodifluoromethane	ND		0.19	1.0
Isopropylbenzene	ND		0.16	1.0
Methyl acetate	ND		0.14	1.0
Methylcyclohexane	ND		0.26	1.0
Methyl tert-butyl ether	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.32	1.0
1,2-Dichlorobenzene	ND		0.15	1.0
1,3-Dichlorobenzene	ND		0.11	1.0
1,4-Dichlorobenzene	ND		0.21	1.0

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **TMP-5**

Lab Sample ID: 180-14634-11

Client Matrix: Water

Date Sampled: 09/19/2012 1230

Date Received: 09/20/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50119	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60928019.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2012 1716			Final Weight/Volume:	5 mL
Prep Date:	09/28/2012 1716				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene	ND		0.27	1.0
Chloromethane	ND		0.28	1.0
1,4-Dioxane	ND		34	200

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	116		64 - 135
Toluene-d8 (Surr)	90		71 - 118
4-Bromofluorobenzene (Surr)	92		70 - 118
Dibromofluoromethane (Surr)	100		70 - 128

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **TMP-5**

Lab Sample ID: 180-14634-11

Client Matrix: Water

Date Sampled: 09/19/2012 1230

Date Received: 09/20/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50119	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60928019.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2012 1716			Final Weight/Volume:	5 mL
Prep Date:	09/28/2012 1716				

Tentatively Identified Compounds **Number TIC's Found:** **2**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
124-13-0	Octanal	12.59	1.2	T J N
	Unknown	13.77	1.3	T J

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **FB-2**

Lab Sample ID: 180-14634-12

Client Matrix: Water

Date Sampled: 09/19/2012 1130

Date Received: 09/20/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50119	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60928013.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2012 1451			Final Weight/Volume:	5 mL
Prep Date:	09/28/2012 1451				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	9.9		2.5	5.0
Benzene	ND		0.11	1.0
Bromodichloromethane	ND		0.13	1.0
Bromoform	ND		0.19	1.0
Bromomethane	ND		0.31	1.0
2-Butanone (MEK)	1.5	J	0.55	5.0
Carbon disulfide	0.47	J B	0.21	1.0
Carbon tetrachloride	ND		0.14	1.0
Chlorobenzene	ND		0.14	1.0
Chloroethane	ND		0.21	1.0
Chloroform	ND		0.17	1.0
Dibromochloromethane	ND		0.14	1.0
1,2-Dibromo-3-Chloropropane	ND		0.14	1.0
1,2-Dibromoethane (EDB)	ND		0.18	1.0
1,1-Dichloroethane	ND		0.12	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,1-Dichloroethene	ND		0.30	1.0
trans-1,2-Dichloroethene	ND		0.17	1.0
1,2-Dichloropropane	ND		0.095	1.0
cis-1,3-Dichloropropene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.15	1.0
Ethylbenzene	ND		0.23	1.0
2-Hexanone	ND		0.16	5.0
Methylene Chloride	0.26	J	0.15	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.53	5.0
Styrene	ND		0.097	1.0
1,1,2,2-Tetrachloroethane	ND		0.20	1.0
Tetrachloroethene	ND		0.15	1.0
Toluene	ND		0.15	1.0
1,1,1-Trichloroethane	ND		0.29	1.0
1,1,2-Trichloroethane	ND		0.20	1.0
Trichloroethene	ND		0.14	1.0
Trichlorofluoromethane	ND		0.20	1.0
Vinyl chloride	ND		0.23	1.0
Xylenes, Total	ND		0.49	3.0
Cyclohexane	ND		0.25	1.0
cis-1,2-Dichloroethene	ND		0.24	1.0
Dichlorodifluoromethane	ND		0.19	1.0
Isopropylbenzene	ND		0.16	1.0
Methyl acetate	ND		0.14	1.0
Methylcyclohexane	ND		0.26	1.0
Methyl tert-butyl ether	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.32	1.0
1,2-Dichlorobenzene	ND		0.15	1.0
1,3-Dichlorobenzene	ND		0.11	1.0
1,4-Dichlorobenzene	ND		0.21	1.0

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **FB-2**

Lab Sample ID: 180-14634-12

Client Matrix: Water

Date Sampled: 09/19/2012 1130

Date Received: 09/20/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50119	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60928013.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2012 1451			Final Weight/Volume:	5 mL
Prep Date:	09/28/2012 1451				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene	ND		0.27	1.0
Chloromethane	ND		0.28	1.0
1,4-Dioxane	ND		34	200

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	116		64 - 135
Toluene-d8 (Surr)	90		71 - 118
4-Bromofluorobenzene (Surr)	90		70 - 118
Dibromofluoromethane (Surr)	100		70 - 128

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **FB-2**

Lab Sample ID: 180-14634-12

Client Matrix: Water

Date Sampled: 09/19/2012 1130

Date Received: 09/20/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50119	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60928013.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2012 1451			Final Weight/Volume:	5 mL
Prep Date:	09/28/2012 1451				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **TMP-3**

Lab Sample ID: 180-14634-13

Client Matrix: Water

Date Sampled: 09/19/2012 1420

Date Received: 09/20/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50119	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60928020.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2012 1740			Final Weight/Volume:	5 mL
Prep Date:	09/28/2012 1740				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	6.7		2.5	5.0
Benzene	ND		0.11	1.0
Bromodichloromethane	ND		0.13	1.0
Bromoform	ND		0.19	1.0
Bromomethane	ND		0.31	1.0
2-Butanone (MEK)	0.91	J	0.55	5.0
Carbon disulfide	0.49	J B	0.21	1.0
Carbon tetrachloride	ND		0.14	1.0
Chlorobenzene	ND		0.14	1.0
Chloroethane	ND		0.21	1.0
Chloroform	ND		0.17	1.0
Dibromochloromethane	ND		0.14	1.0
1,2-Dibromo-3-Chloropropane	ND		0.14	1.0
1,2-Dibromoethane (EDB)	ND		0.18	1.0
1,1-Dichloroethane	ND		0.12	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,1-Dichloroethene	ND		0.30	1.0
trans-1,2-Dichloroethene	ND		0.17	1.0
1,2-Dichloropropane	ND		0.095	1.0
cis-1,3-Dichloropropene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.15	1.0
Ethylbenzene	ND		0.23	1.0
2-Hexanone	ND		0.16	5.0
Methylene Chloride	ND		0.15	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.53	5.0
Styrene	ND		0.097	1.0
1,1,2,2-Tetrachloroethane	ND		0.20	1.0
Tetrachloroethene	ND		0.15	1.0
Toluene	ND		0.15	1.0
1,1,1-Trichloroethane	ND		0.29	1.0
1,1,2-Trichloroethane	ND		0.20	1.0
Trichloroethene	ND		0.14	1.0
Trichlorofluoromethane	ND		0.20	1.0
Vinyl chloride	ND		0.23	1.0
Xylenes, Total	ND		0.49	3.0
Cyclohexane	ND		0.25	1.0
cis-1,2-Dichloroethene	ND		0.24	1.0
Dichlorodifluoromethane	ND		0.19	1.0
Isopropylbenzene	ND		0.16	1.0
Methyl acetate	ND		0.14	1.0
Methylcyclohexane	ND		0.26	1.0
Methyl tert-butyl ether	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.32	1.0
1,2-Dichlorobenzene	ND		0.15	1.0
1,3-Dichlorobenzene	ND		0.11	1.0
1,4-Dichlorobenzene	ND		0.21	1.0

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **TMP-3**

Lab Sample ID: 180-14634-13

Client Matrix: Water

Date Sampled: 09/19/2012 1420

Date Received: 09/20/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50119	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60928020.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2012 1740			Final Weight/Volume:	5 mL
Prep Date:	09/28/2012 1740				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene	ND		0.27	1.0
Chloromethane	ND		0.28	1.0
1,4-Dioxane	ND		34	200

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	119		64 - 135
Toluene-d8 (Surr)	91		71 - 118
4-Bromofluorobenzene (Surr)	89		70 - 118
Dibromofluoromethane (Surr)	101		70 - 128

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **TMP-3**

Lab Sample ID: 180-14634-13

Client Matrix: Water

Date Sampled: 09/19/2012 1420

Date Received: 09/20/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50119	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60928020.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2012 1740			Final Weight/Volume:	5 mL
Prep Date:	09/28/2012 1740				

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	8.02	1.0	T J

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-104**

Lab Sample ID: 180-14634-2

Client Matrix: Water

Date Sampled: 09/19/2012 0830

Date Received: 09/20/2012 0900

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-49849	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-49519	Lab File ID:	V0960017.D
Dilution:	25			Initial Weight/Volume:	1020 mL
Analysis Date:	09/26/2012 1945			Final Weight/Volume:	1.0 mL
Prep Date:	09/25/2012 0531			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.35	4.9
Acenaphthylene	ND		0.37	4.9
Acetophenone	ND		2.0	25
Anthracene	ND		3.7	4.9
Atrazine	ND		2.2	25
Benzaldehyde	ND		3.7	25
Benzo[a]anthracene	ND		0.36	4.9
Benzo[b]fluoranthene	ND		0.38	4.9
Benzo[k]fluoranthene	ND		1.3	4.9
Benzo[g,h,i]perylene	ND		0.37	4.9
Benzo[a]pyrene	ND		0.33	4.9
Bis(2-chloroethoxy)methane	ND		1.4	25
Bis(2-chloroethyl)ether	6.9		0.62	4.9
Bis(2-ethylhexyl) phthalate	ND		31	49
Butyl benzyl phthalate	ND		3.5	25
1,1'-Biphenyl	1.7	J	1.0	25
Caprolactam	ND		29	120
Carbazole	ND		0.39	4.9
Chrysene	ND		0.34	4.9
2-Chloronaphthalene	ND		0.37	4.9
2-Chlorophenol	12	J	4.0	25
2,4-Dichlorophenol	ND		0.82	4.9
2,4-Dimethylphenol	19	J	2.1	25
2,4-Dinitrophenol	ND		15	120
2,4-Dinitrotoluene	ND		1.3	25
2,6-Dinitrotoluene	ND		2.0	25
2-Methylnaphthalene	ND		0.30	4.9
2-Methylphenol	5.4	J	2.1	25
2-Nitroaniline	ND		8.6	120
2-Nitrophenol	ND		4.2	25
2,2'-oxybis[1-chloropropane]	81		0.48	4.9
2,4,5-Trichlorophenol	ND		3.7	25
2,4,6-Trichlorophenol	ND		4.3	25
4-Nitroaniline	ND		4.2	120
4-Nitrophenol	ND		16	120
4-Chlorophenyl phenyl ether	ND		1.2	25
Methylphenol, 3 & 4	ND		2.2	25
4,6-Dinitro-2-methylphenol	ND		5.4	120
4-Chloroaniline	ND		2.2	25
4-Chloro-3-methylphenol	ND		1.8	25
4-Bromophenyl phenyl ether	ND		1.6	25
Dibenz(a,h)anthracene	ND		0.38	4.9
Dibenzofuran	ND		1.5	25
Di-n-butyl phthalate	ND		3.1	25
Diethyl phthalate	7.8	J	3.6	25
Dimethyl phthalate	ND		1.9	25

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-104**

Lab Sample ID: 180-14634-2

Client Matrix: Water

Date Sampled: 09/19/2012 0830

Date Received: 09/20/2012 0900

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-49849	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-49519	Lab File ID:	V0960017.D
Dilution:	25			Initial Weight/Volume:	1020 mL
Analysis Date:	09/26/2012 1945			Final Weight/Volume:	1.0 mL
Prep Date:	09/25/2012 0531			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Di-n-octyl phthalate	ND		5.1	25
3,3'-Dichlorobenzidine	ND		2.7	25
3-Nitroaniline	ND		7.9	120
Fluoranthene	ND		0.40	4.9
Fluorene	ND		0.53	4.9
Hexachlorobenzene	ND		0.45	4.9
Hexachlorobutadiene	ND		0.41	4.9
Hexachlorocyclopentadiene	ND		1.3	25
Hexachloroethane	ND		1.5	25
Indeno[1,2,3-cd]pyrene	ND		0.49	4.9
Isophorone	ND		1.6	25
Naphthalene	35		0.34	4.9
Nitrobenzene	ND		2.1	49
N-Nitrosodiphenylamine	ND		2.1	25
N-Nitrosodi-n-propylamine	ND		0.75	4.9
Pyrene	ND		0.38	4.9
Phenol	ND		1.4	4.9
Phenanthrene	ND		1.0	4.9
Pentachlorophenol	ND		1.6	25
1,4-Dioxane	40	J	3.5	49

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	69	D	16 - 122
2-Fluorobiphenyl	55	D	19 - 107
2-Fluorophenol	58	D	10 - 111
Nitrobenzene-d5	64	D	23 - 112
Phenol-d5	66	D	15 - 112
Terphenyl-d14	93	D	10 - 132

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-105**

Lab Sample ID: 180-14634-3

Client Matrix: Water

Date Sampled: 09/19/2012 0920

Date Received: 09/20/2012 0900

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-49849	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-49519	Lab File ID:	V0960018.D
Dilution:	1.0			Initial Weight/Volume:	1020 mL
Analysis Date:	09/26/2012 2009			Final Weight/Volume:	1.0 mL
Prep Date:	09/25/2012 0531			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.014	0.20
Acenaphthylene	ND		0.015	0.20
Acetophenone	ND		0.078	0.98
Anthracene	ND		0.15	0.20
Atrazine	ND		0.087	0.98
Benzaldehyde	ND		0.15	0.98
Benzo[a]anthracene	ND		0.014	0.20
Benzo[b]fluoranthene	ND		0.015	0.20
Benzo[k]fluoranthene	ND		0.054	0.20
Benzo[g,h,i]perylene	ND		0.015	0.20
Benzo[a]pyrene	ND		0.013	0.20
Bis(2-chloroethoxy)methane	ND		0.057	0.98
Bis(2-chloroethyl)ether	ND		0.025	0.20
Bis(2-ethylhexyl) phthalate	ND		1.2	2.0
Butyl benzyl phthalate	ND		0.14	0.98
1,1'-Biphenyl	ND		0.041	0.98
Caprolactam	ND		1.2	4.9
Carbazole	ND		0.015	0.20
Chrysene	ND		0.014	0.20
2-Chloronaphthalene	ND		0.015	0.20
2-Chlorophenol	ND		0.16	0.98
2,4-Dichlorophenol	ND		0.033	0.20
2,4-Dimethylphenol	ND		0.084	0.98
2,4-Dinitrophenol	ND		0.60	4.9
2,4-Dinitrotoluene	ND		0.053	0.98
2,6-Dinitrotoluene	ND		0.078	0.98
2-Methylnaphthalene	ND		0.012	0.20
2-Methylphenol	ND		0.085	0.98
2-Nitroaniline	ND		0.34	4.9
2-Nitrophenol	ND		0.17	0.98
2,2'-oxybis[1-chloropropane]	7.4		0.019	0.20
2,4,5-Trichlorophenol	ND		0.15	0.98
2,4,6-Trichlorophenol	ND		0.17	0.98
4-Nitroaniline	ND		0.17	4.9
4-Nitrophenol	ND		0.63	4.9
4-Chlorophenyl phenyl ether	ND		0.049	0.98
Methylphenol, 3 & 4	ND		0.088	0.98
4,6-Dinitro-2-methylphenol	ND		0.22	4.9
4-Chloroaniline	ND		0.087	0.98
4-Chloro-3-methylphenol	ND		0.074	0.98
4-Bromophenyl phenyl ether	ND		0.062	0.98
Dibenz(a,h)anthracene	ND		0.015	0.20
Dibenzofuran	ND		0.060	0.98
Di-n-butyl phthalate	ND		0.12	0.98
Diethyl phthalate	ND		0.14	0.98
Dimethyl phthalate	ND		0.075	0.98

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-105**

Lab Sample ID: 180-14634-3

Client Matrix: Water

Date Sampled: 09/19/2012 0920

Date Received: 09/20/2012 0900

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-49849	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-49519	Lab File ID:	V0960018.D
Dilution:	1.0			Initial Weight/Volume:	1020 mL
Analysis Date:	09/26/2012 2009			Final Weight/Volume:	1.0 mL
Prep Date:	09/25/2012 0531			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Di-n-octyl phthalate	ND		0.20	0.98
3,3'-Dichlorobenzidine	ND		0.11	0.98
3-Nitroaniline	ND		0.32	4.9
Fluoranthene	ND		0.016	0.20
Fluorene	ND		0.021	0.20
Hexachlorobenzene	ND		0.018	0.20
Hexachlorobutadiene	ND		0.016	0.20
Hexachlorocyclopentadiene	ND		0.051	0.98
Hexachloroethane	ND		0.062	0.98
Indeno[1,2,3-cd]pyrene	ND		0.020	0.20
Isophorone	ND		0.063	0.98
Naphthalene	ND		0.014	0.20
Nitrobenzene	ND		0.083	2.0
N-Nitrosodiphenylamine	ND		0.084	0.98
N-Nitrosodi-n-propylamine	ND		0.030	0.20
Pyrene	ND		0.015	0.20
Phenol	ND		0.057	0.20
Phenanthrene	ND		0.042	0.20
Pentachlorophenol	ND		0.065	0.98
1,4-Dioxane	170	E	0.14	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	73		16 - 122
2-Fluorobiphenyl	56		19 - 107
2-Fluorophenol	56		10 - 111
Nitrobenzene-d5	62		23 - 112
Phenol-d5	57		15 - 112
Terphenyl-d14	63		10 - 132

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-105**

Lab Sample ID: 180-14634-3

Client Matrix: Water

Date Sampled: 09/19/2012 0920

Date Received: 09/20/2012 0900

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-50044	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-49519	Lab File ID:	V0927001.D
Dilution:	10			Initial Weight/Volume:	1020 mL
Analysis Date:	09/27/2012 1541	Run Type:	DL	Final Weight/Volume:	1.0 mL
Prep Date:	09/25/2012 0531			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.14	2.0
Acenaphthylene	ND		0.15	2.0
Acetophenone	ND		0.78	9.8
Anthracene	ND		1.5	2.0
Atrazine	ND		0.87	9.8
Benzaldehyde	ND		1.5	9.8
Benzo[a]anthracene	ND		0.14	2.0
Benzo[b]fluoranthene	ND		0.15	2.0
Benzo[k]fluoranthene	ND		0.54	2.0
Benzo[g,h,i]perylene	ND		0.15	2.0
Benzo[a]pyrene	ND		0.13	2.0
Bis(2-chloroethoxy)methane	ND		0.57	9.8
Bis(2-chloroethyl)ether	ND		0.25	2.0
Bis(2-ethylhexyl) phthalate	ND		12	20
Butyl benzyl phthalate	ND		1.4	9.8
1,1'-Biphenyl	ND		0.41	9.8
Caprolactam	ND		12	49
Carbazole	ND		0.15	2.0
Chrysene	ND		0.14	2.0
2-Chloronaphthalene	ND		0.15	2.0
2-Chlorophenol	ND		1.6	9.8
2,4-Dichlorophenol	ND		0.33	2.0
2,4-Dimethylphenol	ND		0.84	9.8
2,4-Dinitrophenol	ND		6.0	49
2,4-Dinitrotoluene	ND		0.53	9.8
2,6-Dinitrotoluene	ND		0.78	9.8
2-Methylnaphthalene	ND		0.12	2.0
2-Methylphenol	ND		0.85	9.8
2-Nitroaniline	ND		3.4	49
2-Nitrophenol	ND		1.7	9.8
2,2'-oxybis[1-chloropropane]	3.0		0.19	2.0
2,4,5-Trichlorophenol	ND		1.5	9.8
2,4,6-Trichlorophenol	ND		1.7	9.8
4-Nitroaniline	ND		1.7	49
4-Nitrophenol	ND		6.3	49
4-Chlorophenyl phenyl ether	ND		0.49	9.8
Methylphenol, 3 & 4	ND		0.88	9.8
4,6-Dinitro-2-methylphenol	ND		2.2	49
4-Chloroaniline	ND		0.87	9.8
4-Chloro-3-methylphenol	ND		0.74	9.8
4-Bromophenyl phenyl ether	ND		0.62	9.8
Dibenz(a,h)anthracene	ND		0.15	2.0
Dibenzofuran	ND		0.60	9.8
Di-n-butyl phthalate	ND		1.2	9.8
Diethyl phthalate	ND		1.4	9.8
Dimethyl phthalate	ND		0.75	9.8

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-105**

Lab Sample ID: 180-14634-3

Client Matrix: Water

Date Sampled: 09/19/2012 0920

Date Received: 09/20/2012 0900

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-50044	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-49519	Lab File ID:	V0927001.D
Dilution:	10			Initial Weight/Volume:	1020 mL
Analysis Date:	09/27/2012 1541	Run Type:	DL	Final Weight/Volume:	1.0 mL
Prep Date:	09/25/2012 0531			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Di-n-octyl phthalate	ND		2.0	9.8
3,3'-Dichlorobenzidine	ND		1.1	9.8
3-Nitroaniline	ND		3.2	49
Fluoranthene	ND		0.16	2.0
Fluorene	ND		0.21	2.0
Hexachlorobenzene	ND		0.18	2.0
Hexachlorobutadiene	ND		0.16	2.0
Hexachlorocyclopentadiene	ND		0.51	9.8
Hexachloroethane	ND		0.62	9.8
Indeno[1,2,3-cd]pyrene	ND		0.20	2.0
Isophorone	ND		0.63	9.8
Naphthalene	ND		0.14	2.0
Nitrobenzene	ND		0.83	20
N-Nitrosodiphenylamine	ND		0.84	9.8
N-Nitrosodi-n-propylamine	ND		0.30	2.0
Pyrene	ND		0.15	2.0
Phenol	ND		0.57	2.0
Phenanthrene	ND		0.42	2.0
Pentachlorophenol	ND		0.65	9.8
1,4-Dioxane	170		1.4	20

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	73		16 - 122
2-Fluorobiphenyl	58		19 - 107
2-Fluorophenol	62		10 - 111
Nitrobenzene-d5	63		23 - 112
Phenol-d5	66		15 - 112
Terphenyl-d14	72		10 - 132

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-109**

Lab Sample ID: 180-14634-4

Client Matrix: Water

Date Sampled: 09/19/2012 1030

Date Received: 09/20/2012 0900

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-49849	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-49519	Lab File ID:	V0960019.D
Dilution:	1.0			Initial Weight/Volume:	1010 mL
Analysis Date:	09/26/2012 2033			Final Weight/Volume:	1.0 mL
Prep Date:	09/25/2012 0531			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.014	0.20
Acenaphthylene	ND		0.015	0.20
Acetophenone	ND		0.079	0.99
Anthracene	ND		0.15	0.20
Atrazine	ND		0.088	0.99
Benzaldehyde	ND		0.15	0.99
Benzo[a]anthracene	ND		0.015	0.20
Benzo[b]fluoranthene	ND		0.016	0.20
Benzo[k]fluoranthene	ND		0.054	0.20
Benzo[g,h,i]perylene	ND		0.015	0.20
Benzo[a]pyrene	ND		0.013	0.20
Bis(2-chloroethoxy)methane	ND		0.058	0.99
Bis(2-chloroethyl)ether	ND		0.025	0.20
Bis(2-ethylhexyl) phthalate	ND		1.2	2.0
Butyl benzyl phthalate	ND		0.14	0.99
1,1'-Biphenyl	ND		0.041	0.99
Caprolactam	ND		1.2	5.0
Carbazole	ND		0.016	0.20
Chrysene	ND		0.014	0.20
2-Chloronaphthalene	ND		0.015	0.20
2-Chlorophenol	ND		0.16	0.99
2,4-Dichlorophenol	ND		0.033	0.20
2,4-Dimethylphenol	ND		0.084	0.99
2,4-Dinitrophenol	ND		0.61	5.0
2,4-Dinitrotoluene	ND		0.053	0.99
2,6-Dinitrotoluene	ND		0.079	0.99
2-Methylnaphthalene	ND		0.012	0.20
2-Methylphenol	ND		0.085	0.99
2-Nitroaniline	ND		0.35	5.0
2-Nitrophenol	ND		0.17	0.99
2,2'-oxybis[1-chloropropane]	ND		0.020	0.20
2,4,5-Trichlorophenol	ND		0.15	0.99
2,4,6-Trichlorophenol	ND		0.17	0.99
4-Nitroaniline	ND		0.17	5.0
4-Nitrophenol	ND		0.64	5.0
4-Chlorophenyl phenyl ether	ND		0.050	0.99
Methylphenol, 3 & 4	ND		0.089	0.99
4,6-Dinitro-2-methylphenol	ND		0.22	5.0
4-Chloroaniline	ND		0.088	0.99
4-Chloro-3-methylphenol	ND		0.075	0.99
4-Bromophenyl phenyl ether	ND		0.063	0.99
Dibenz(a,h)anthracene	ND		0.015	0.20
Dibenzofuran	ND		0.061	0.99
Di-n-butyl phthalate	ND		0.12	0.99
Diethyl phthalate	ND		0.14	0.99
Dimethyl phthalate	ND		0.076	0.99

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-109**

Lab Sample ID: 180-14634-4

Client Matrix: Water

Date Sampled: 09/19/2012 1030

Date Received: 09/20/2012 0900

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-49849	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-49519	Lab File ID:	V0960019.D
Dilution:	1.0			Initial Weight/Volume:	1010 mL
Analysis Date:	09/26/2012 2033			Final Weight/Volume:	1.0 mL
Prep Date:	09/25/2012 0531			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Di-n-octyl phthalate	ND		0.20	0.99
3,3'-Dichlorobenzidine	ND		0.11	0.99
3-Nitroaniline	ND		0.32	5.0
Fluoranthene	ND		0.016	0.20
Fluorene	ND		0.021	0.20
Hexachlorobenzene	ND		0.018	0.20
Hexachlorobutadiene	ND		0.016	0.20
Hexachlorocyclopentadiene	ND		0.051	0.99
Hexachloroethane	ND		0.062	0.99
Indeno[1,2,3-cd]pyrene	ND		0.020	0.20
Isophorone	ND		0.064	0.99
Naphthalene	ND		0.014	0.20
Nitrobenzene	ND		0.083	2.0
N-Nitrosodiphenylamine	ND		0.084	0.99
N-Nitrosodi-n-propylamine	ND		0.030	0.20
Pyrene	ND		0.016	0.20
Phenol	ND		0.058	0.20
Phenanthrene	ND		0.042	0.20
Pentachlorophenol	ND		0.066	0.99
1,4-Dioxane	ND		0.14	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	52		16 - 122
2-Fluorobiphenyl	61		19 - 107
2-Fluorophenol	59		10 - 111
Nitrobenzene-d5	63		23 - 112
Phenol-d5	66		15 - 112
Terphenyl-d14	91		10 - 132

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-114**

Lab Sample ID: 180-14634-5

Client Matrix: Water

Date Sampled: 09/19/2012 1200

Date Received: 09/20/2012 0900

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-50044	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-49519	Lab File ID:	V0927002.D
Dilution:	20			Initial Weight/Volume:	1010 mL
Analysis Date:	09/27/2012 1605			Final Weight/Volume:	1.0 mL
Prep Date:	09/25/2012 0531			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.29	4.0
Acenaphthylene	ND		0.30	4.0
Acetophenone	ND		1.6	20
Anthracene	ND		3.0	4.0
Atrazine	ND		1.8	20
Benzaldehyde	ND		3.0	20
Benzo[a]anthracene	ND		0.29	4.0
Benzo[b]fluoranthene	ND		0.31	4.0
Benzo[k]fluoranthene	ND		1.1	4.0
Benzo[g,h,i]perylene	ND		0.30	4.0
Benzo[a]pyrene	ND		0.27	4.0
Bis(2-chloroethoxy)methane	ND		1.2	20
Bis(2-chloroethyl)ether	6.5		0.50	4.0
Bis(2-ethylhexyl) phthalate	ND		25	40
Butyl benzyl phthalate	ND		2.8	20
1,1'-Biphenyl	1.7	J	0.82	20
Caprolactam	ND		24	99
Carbazole	ND		0.31	4.0
Chrysene	ND		0.28	4.0
2-Chloronaphthalene	ND		0.30	4.0
2-Chlorophenol	11	J	3.3	20
2,4-Dichlorophenol	ND		0.66	4.0
2,4-Dimethylphenol	18	J	1.7	20
2,4-Dinitrophenol	ND		12	99
2,4-Dinitrotoluene	ND		1.1	20
2,6-Dinitrotoluene	ND		1.6	20
2-Methylnaphthalene	ND		0.24	4.0
2-Methylphenol	5.3	J	1.7	20
2-Nitroaniline	ND		7.0	99
2-Nitrophenol	ND		3.4	20
2,2'-oxybis[1-chloropropane]	79		0.39	4.0
2,4,5-Trichlorophenol	ND		3.0	20
2,4,6-Trichlorophenol	ND		3.5	20
4-Nitroaniline	ND		3.4	99
4-Nitrophenol	ND		13	99
4-Chlorophenyl phenyl ether	ND		1.0	20
Methylphenol, 3 & 4	ND		1.8	20
4,6-Dinitro-2-methylphenol	ND		4.4	99
4-Chloroaniline	ND		1.8	20
4-Chloro-3-methylphenol	ND		1.5	20
4-Bromophenyl phenyl ether	ND		1.3	20
Dibenz(a,h)anthracene	ND		0.31	4.0
Dibenzofuran	ND		1.2	20
Di-n-butyl phthalate	ND		2.5	20
Diethyl phthalate	7.3	J	2.9	20
Dimethyl phthalate	ND		1.5	20

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-114**

Lab Sample ID: 180-14634-5

Client Matrix: Water

Date Sampled: 09/19/2012 1200

Date Received: 09/20/2012 0900

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-50044	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-49519	Lab File ID:	V0927002.D
Dilution:	20			Initial Weight/Volume:	1010 mL
Analysis Date:	09/27/2012 1605			Final Weight/Volume:	1.0 mL
Prep Date:	09/25/2012 0531			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Di-n-octyl phthalate	ND		4.1	20
3,3'-Dichlorobenzidine	ND		2.2	20
3-Nitroaniline	ND		6.4	99
Fluoranthene	ND		0.32	4.0
Fluorene	ND		0.43	4.0
Hexachlorobenzene	ND		0.36	4.0
Hexachlorobutadiene	ND		0.33	4.0
Hexachlorocyclopentadiene	ND		1.0	20
Hexachloroethane	ND		1.2	20
Indeno[1,2,3-cd]pyrene	ND		0.39	4.0
Isophorone	ND		1.3	20
Naphthalene	36		0.28	4.0
Nitrobenzene	ND		1.7	40
N-Nitrosodiphenylamine	ND		1.7	20
N-Nitrosodi-n-propylamine	ND		0.61	4.0
Pyrene	ND		0.31	4.0
Phenol	4.9		1.2	4.0
Phenanthrene	ND		0.85	4.0
Pentachlorophenol	ND		1.3	20
1,4-Dioxane	36	J	2.8	40

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	70	D	16 - 122
2-Fluorobiphenyl	56	D	19 - 107
2-Fluorophenol	61	D	10 - 111
Nitrobenzene-d5	68	D	23 - 112
Phenol-d5	62	D	15 - 112
Terphenyl-d14	82	D	10 - 132

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-101**

Lab Sample ID: 180-14634-6

Client Matrix: Water

Date Sampled: 09/19/2012 0820

Date Received: 09/20/2012 0900

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-49849	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-49519	Lab File ID:	V0960021.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	09/26/2012 2121			Final Weight/Volume:	1.0 mL
Prep Date:	09/25/2012 0531			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.014	0.19
Acenaphthylene	ND		0.015	0.19
Acetophenone	ND		0.077	0.96
Anthracene	ND		0.15	0.19
Atrazine	ND		0.086	0.96
Benzaldehyde	ND		0.14	0.96
Benzo[a]anthracene	ND		0.014	0.19
Benzo[b]fluoranthene	ND		0.015	0.19
Benzo[k]fluoranthene	ND		0.053	0.19
Benzo[g,h,i]perylene	ND		0.015	0.19
Benzo[a]pyrene	ND		0.013	0.19
Bis(2-chloroethoxy)methane	ND		0.056	0.96
Bis(2-chloroethyl)ether	ND		0.024	0.19
Bis(2-ethylhexyl) phthalate	ND		1.2	1.9
Butyl benzyl phthalate	ND		0.14	0.96
1,1'-Biphenyl	ND		0.040	0.96
Caprolactam	ND		1.1	4.8
Carbazole	ND		0.015	0.19
Chrysene	ND		0.013	0.19
2-Chloronaphthalene	ND		0.015	0.19
2-Chlorophenol	ND		0.16	0.96
2,4-Dichlorophenol	ND		0.032	0.19
2,4-Dimethylphenol	ND		0.082	0.96
2,4-Dinitrophenol	ND		0.59	4.8
2,4-Dinitrotoluene	ND		0.052	0.96
2,6-Dinitrotoluene	ND		0.077	0.96
2-Methylnaphthalene	ND		0.012	0.19
2-Methylphenol	ND		0.083	0.96
2-Nitroaniline	ND		0.34	4.8
2-Nitrophenol	ND		0.16	0.96
2,2'-oxybis[1-chloropropane]	ND		0.019	0.19
2,4,5-Trichlorophenol	ND		0.15	0.96
2,4,6-Trichlorophenol	ND		0.17	0.96
4-Nitroaniline	ND		0.17	4.8
4-Nitrophenol	ND		0.62	4.8
4-Chlorophenyl phenyl ether	ND		0.048	0.96
Methylphenol, 3 & 4	ND		0.087	0.96
4,6-Dinitro-2-methylphenol	ND		0.21	4.8
4-Chloroaniline	ND		0.085	0.96
4-Chloro-3-methylphenol	ND		0.073	0.96
4-Bromophenyl phenyl ether	ND		0.061	0.96
Dibenz(a,h)anthracene	ND		0.015	0.19
Dibenzofuran	ND		0.059	0.96
Di-n-butyl phthalate	ND		0.12	0.96
Diethyl phthalate	ND		0.14	0.96
Dimethyl phthalate	ND		0.074	0.96

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-101**

Lab Sample ID: 180-14634-6

Client Matrix: Water

Date Sampled: 09/19/2012 0820

Date Received: 09/20/2012 0900

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-49849	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-49519	Lab File ID:	V0960021.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	09/26/2012 2121			Final Weight/Volume:	1.0 mL
Prep Date:	09/25/2012 0531			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Di-n-octyl phthalate	ND		0.20	0.96
3,3'-Dichlorobenzidine	ND		0.11	0.96
3-Nitroaniline	ND		0.31	4.8
Fluoranthene	ND		0.016	0.19
Fluorene	ND		0.021	0.19
Hexachlorobenzene	ND		0.018	0.19
Hexachlorobutadiene	ND		0.016	0.19
Hexachlorocyclopentadiene	ND		0.050	0.96
Hexachloroethane	ND		0.060	0.96
Indeno[1,2,3-cd]pyrene	ND		0.019	0.19
Isophorone	ND		0.062	0.96
Naphthalene	ND		0.013	0.19
Nitrobenzene	ND		0.081	1.9
N-Nitrosodiphenylamine	ND		0.082	0.96
N-Nitrosodi-n-propylamine	ND		0.030	0.19
Pyrene	ND		0.015	0.19
Phenol	ND		0.056	0.19
Phenanthrene	ND		0.041	0.19
Pentachlorophenol	ND		0.064	0.96
1,4-Dioxane	ND		0.14	1.9

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	51		16 - 122
2-Fluorobiphenyl	56		19 - 107
2-Fluorophenol	57		10 - 111
Nitrobenzene-d5	61		23 - 112
Phenol-d5	63		15 - 112
Terphenyl-d14	88		10 - 132

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-102**

Lab Sample ID: 180-14634-7

Client Matrix: Water

Date Sampled: 09/19/2012 1045

Date Received: 09/20/2012 0900

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-49849	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-49519	Lab File ID:	V0960022.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Analysis Date:	09/26/2012 2144			Final Weight/Volume:	1.0 mL
Prep Date:	09/25/2012 0531			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.014	0.20
Acenaphthylene	ND		0.015	0.20
Acetophenone	ND		0.080	1.0
Anthracene	ND		0.15	0.20
Atrazine	ND		0.089	1.0
Benzaldehyde	ND		0.15	1.0
Benzo[a]anthracene	ND		0.015	0.20
Benzo[b]fluoranthene	ND		0.016	0.20
Benzo[k]fluoranthene	ND		0.055	0.20
Benzo[g,h,i]perylene	ND		0.015	0.20
Benzo[a]pyrene	ND		0.013	0.20
Bis(2-chloroethoxy)methane	ND		0.058	1.0
Bis(2-chloroethyl)ether	ND		0.025	0.20
Bis(2-ethylhexyl) phthalate	ND		1.3	2.0
Butyl benzyl phthalate	0.17	J	0.14	1.0
1,1'-Biphenyl	ND		0.042	1.0
Caprolactam	ND		1.2	5.0
Carbazole	ND		0.016	0.20
Chrysene	ND		0.014	0.20
2-Chloronaphthalene	ND		0.015	0.20
2-Chlorophenol	ND		0.17	1.0
2,4-Dichlorophenol	ND		0.033	0.20
2,4-Dimethylphenol	ND		0.085	1.0
2,4-Dinitrophenol	ND		0.61	5.0
2,4-Dinitrotoluene	ND		0.054	1.0
2,6-Dinitrotoluene	ND		0.080	1.0
2-Methylnaphthalene	ND		0.012	0.20
2-Methylphenol	ND		0.086	1.0
2-Nitroaniline	ND		0.35	5.0
2-Nitrophenol	ND		0.17	1.0
2,2'-oxybis[1-chloropropane]	ND		0.020	0.20
2,4,5-Trichlorophenol	ND		0.15	1.0
2,4,6-Trichlorophenol	ND		0.17	1.0
4-Nitroaniline	ND		0.17	5.0
4-Nitrophenol	ND		0.65	5.0
4-Chlorophenyl phenyl ether	ND		0.050	1.0
Methylphenol, 3 & 4	ND		0.090	1.0
4,6-Dinitro-2-methylphenol	ND		0.22	5.0
4-Chloroaniline	ND		0.089	1.0
4-Chloro-3-methylphenol	ND		0.075	1.0
4-Bromophenyl phenyl ether	ND		0.064	1.0
Dibenz(a,h)anthracene	ND		0.016	0.20
Dibenzofuran	ND		0.062	1.0
Di-n-butyl phthalate	ND		0.12	1.0
Diethyl phthalate	ND		0.15	1.0
Dimethyl phthalate	ND		0.077	1.0

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-102**

Lab Sample ID: 180-14634-7

Client Matrix: Water

Date Sampled: 09/19/2012 1045

Date Received: 09/20/2012 0900

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-49849	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-49519	Lab File ID:	V0960022.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Analysis Date:	09/26/2012 2144			Final Weight/Volume:	1.0 mL
Prep Date:	09/25/2012 0531			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Di-n-octyl phthalate	ND		0.21	1.0
3,3'-Dichlorobenzidine	ND		0.11	1.0
3-Nitroaniline	ND		0.32	5.0
Fluoranthene	ND		0.016	0.20
Fluorene	ND		0.022	0.20
Hexachlorobenzene	ND		0.018	0.20
Hexachlorobutadiene	0.22		0.017	0.20
Hexachlorocyclopentadiene	ND		0.052	1.0
Hexachloroethane	ND		0.063	1.0
Indeno[1,2,3-cd]pyrene	ND		0.020	0.20
Isophorone	ND		0.064	1.0
Naphthalene	ND		0.014	0.20
Nitrobenzene	ND		0.084	2.0
N-Nitrosodiphenylamine	ND		0.085	1.0
N-Nitrosodi-n-propylamine	ND		0.031	0.20
Pyrene	ND		0.016	0.20
Phenol	ND		0.058	0.20
Phenanthrene	0.052	J	0.043	0.20
Pentachlorophenol	ND		0.066	1.0
1,4-Dioxane	0.92	J	0.14	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	64		16 - 122
2-Fluorobiphenyl	61		19 - 107
2-Fluorophenol	55		10 - 111
Nitrobenzene-d5	67		23 - 112
Phenol-d5	56		15 - 112
Terphenyl-d14	97		10 - 132

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-106**

Lab Sample ID: 180-14634-8

Client Matrix: Water

Date Sampled: 09/19/2012 1225

Date Received: 09/20/2012 0900

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-50044	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-49519	Lab File ID:	V0927003.D
Dilution:	5.0			Initial Weight/Volume:	1030 mL
Analysis Date:	09/27/2012 1630			Final Weight/Volume:	1.0 mL
Prep Date:	09/25/2012 0531			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.070	0.97
Acenaphthylene	ND		0.074	0.97
Acetophenone	ND		0.39	4.9
Anthracene	ND		0.73	0.97
Atrazine	ND		0.43	4.9
Benzaldehyde	ND		0.73	4.9
Benzo[a]anthracene	ND		0.071	0.97
Benzo[b]fluoranthene	ND		0.076	0.97
Benzo[k]fluoranthene	ND		0.27	0.97
Benzo[g,h,i]perylene	ND		0.073	0.97
Benzo[a]pyrene	ND		0.065	0.97
Bis(2-chloroethoxy)methane	ND		0.28	4.9
Bis(2-chloroethyl)ether	3.8		0.12	0.97
Bis(2-ethylhexyl) phthalate	ND		6.1	9.7
Butyl benzyl phthalate	ND		0.69	4.9
1,1'-Biphenyl	ND		0.20	4.9
Caprolactam	ND		5.8	24
Carbazole	ND		0.077	0.97
Chrysene	ND		0.068	0.97
2-Chloronaphthalene	ND		0.073	0.97
2-Chlorophenol	3.6	J	0.80	4.9
2,4-Dichlorophenol	ND		0.16	0.97
2,4-Dimethylphenol	ND		0.41	4.9
2,4-Dinitrophenol	ND		3.0	24
2,4-Dinitrotoluene	ND		0.26	4.9
2,6-Dinitrotoluene	ND		0.39	4.9
2-Methylnaphthalene	ND		0.059	0.97
2-Methylphenol	ND		0.42	4.9
2-Nitroaniline	ND		1.7	24
2-Nitrophenol	ND		0.83	4.9
2,2'-oxybis[1-chloropropane]	24		0.096	0.97
2,4,5-Trichlorophenol	ND		0.74	4.9
2,4,6-Trichlorophenol	ND		0.85	4.9
4-Nitroaniline	ND		0.84	24
4-Nitrophenol	ND		3.1	24
4-Chlorophenyl phenyl ether	ND		0.24	4.9
Methylphenol, 3 & 4	ND		0.44	4.9
4,6-Dinitro-2-methylphenol	ND		1.1	24
4-Chloroaniline	ND		0.43	4.9
4-Chloro-3-methylphenol	ND		0.37	4.9
4-Bromophenyl phenyl ether	ND		0.31	4.9
Dibenz(a,h)anthracene	ND		0.075	0.97
Dibenzofuran	ND		0.30	4.9
Di-n-butyl phthalate	ND		0.61	4.9
Diethyl phthalate	ND		0.71	4.9
Dimethyl phthalate	ND		0.37	4.9

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-106**

Lab Sample ID: 180-14634-8

Client Matrix: Water

Date Sampled: 09/19/2012 1225

Date Received: 09/20/2012 0900

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-50044	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-49519	Lab File ID:	V0927003.D
Dilution:	5.0			Initial Weight/Volume:	1030 mL
Analysis Date:	09/27/2012 1630			Final Weight/Volume:	1.0 mL
Prep Date:	09/25/2012 0531			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Di-n-octyl phthalate	ND		1.0	4.9
3,3'-Dichlorobenzidine	ND		0.54	4.9
3-Nitroaniline	ND		1.6	24
Fluoranthene	ND		0.079	0.97
Fluorene	ND		0.10	0.97
Hexachlorobenzene	ND		0.089	0.97
Hexachlorobutadiene	ND		0.081	0.97
Hexachlorocyclopentadiene	ND		0.25	4.9
Hexachloroethane	ND		0.30	4.9
Indeno[1,2,3-cd]pyrene	ND		0.097	0.97
Isophorone	ND		0.31	4.9
Naphthalene	ND		0.068	0.97
Nitrobenzene	ND		0.41	9.7
N-Nitrosodiphenylamine	ND		0.41	4.9
N-Nitrosodi-n-propylamine	ND		0.15	0.97
Pyrene	ND		0.076	0.97
Phenol	0.44	J	0.28	0.97
Phenanthrene	ND		0.21	0.97
Pentachlorophenol	ND		0.32	4.9
1,4-Dioxane	24		0.70	9.7

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	77		16 - 122
2-Fluorobiphenyl	60		19 - 107
2-Fluorophenol	67		10 - 111
Nitrobenzene-d5	71		23 - 112
Phenol-d5	72		15 - 112
Terphenyl-d14	88		10 - 132

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **TMP-5**

Lab Sample ID: 180-14634-11

Client Matrix: Water

Date Sampled: 09/19/2012 1230

Date Received: 09/20/2012 0900

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-49849	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-49519	Lab File ID:	V0960024.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Analysis Date:	09/26/2012 2232			Final Weight/Volume:	1.0 mL
Prep Date:	09/25/2012 0531			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.014	0.20
Acenaphthylene	ND		0.015	0.20
Acetophenone	0.095	J	0.080	1.0
Anthracene	ND		0.15	0.20
Atrazine	ND		0.089	1.0
Benzaldehyde	ND		0.15	1.0
Benzo[a]anthracene	ND		0.015	0.20
Benzo[b]fluoranthene	ND		0.016	0.20
Benzo[k]fluoranthene	ND		0.055	0.20
Benzo[g,h,i]perylene	ND		0.015	0.20
Benzo[a]pyrene	ND		0.013	0.20
Bis(2-chloroethoxy)methane	ND		0.058	1.0
Bis(2-chloroethyl)ether	ND		0.025	0.20
Bis(2-ethylhexyl) phthalate	ND		1.3	2.0
Butyl benzyl phthalate	ND		0.14	1.0
1,1'-Biphenyl	ND		0.042	1.0
Caprolactam	ND		1.2	5.0
Carbazole	ND		0.016	0.20
Chrysene	ND		0.014	0.20
2-Chloronaphthalene	ND		0.015	0.20
2-Chlorophenol	ND		0.17	1.0
2,4-Dichlorophenol	ND		0.033	0.20
2,4-Dimethylphenol	ND		0.085	1.0
2,4-Dinitrophenol	ND		0.61	5.0
2,4-Dinitrotoluene	ND		0.054	1.0
2,6-Dinitrotoluene	ND		0.080	1.0
2-Methylnaphthalene	ND		0.012	0.20
2-Methylphenol	ND		0.086	1.0
2-Nitroaniline	ND		0.35	5.0
2-Nitrophenol	ND		0.17	1.0
2,2'-oxybis[1-chloropropane]	ND		0.020	0.20
2,4,5-Trichlorophenol	ND		0.15	1.0
2,4,6-Trichlorophenol	ND		0.17	1.0
4-Nitroaniline	ND		0.17	5.0
4-Nitrophenol	ND		0.65	5.0
4-Chlorophenyl phenyl ether	ND		0.050	1.0
Methylphenol, 3 & 4	ND		0.090	1.0
4,6-Dinitro-2-methylphenol	ND		0.22	5.0
4-Chloroaniline	ND		0.089	1.0
4-Chloro-3-methylphenol	ND		0.075	1.0
4-Bromophenyl phenyl ether	ND		0.064	1.0
Dibenz(a,h)anthracene	ND		0.016	0.20
Dibenzofuran	ND		0.062	1.0
Di-n-butyl phthalate	ND		0.12	1.0
Diethyl phthalate	ND		0.15	1.0
Dimethyl phthalate	ND		0.077	1.0

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **TMP-5**

Lab Sample ID: 180-14634-11

Client Matrix: Water

Date Sampled: 09/19/2012 1230

Date Received: 09/20/2012 0900

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-49849	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-49519	Lab File ID:	V0960024.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Analysis Date:	09/26/2012 2232			Final Weight/Volume:	1.0 mL
Prep Date:	09/25/2012 0531			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Di-n-octyl phthalate	ND		0.21	1.0
3,3'-Dichlorobenzidine	ND		0.11	1.0
3-Nitroaniline	ND		0.32	5.0
Fluoranthene	ND		0.016	0.20
Fluorene	ND		0.022	0.20
Hexachlorobenzene	ND		0.018	0.20
Hexachlorobutadiene	ND		0.017	0.20
Hexachlorocyclopentadiene	ND		0.052	1.0
Hexachloroethane	ND		0.063	1.0
Indeno[1,2,3-cd]pyrene	ND		0.020	0.20
Isophorone	ND		0.064	1.0
Naphthalene	ND		0.014	0.20
Nitrobenzene	ND		0.084	2.0
N-Nitrosodiphenylamine	ND		0.085	1.0
N-Nitrosodi-n-propylamine	ND		0.031	0.20
Pyrene	ND		0.016	0.20
Phenol	ND		0.058	0.20
Phenanthrene	ND		0.043	0.20
Pentachlorophenol	ND		0.066	1.0
1,4-Dioxane	ND		0.14	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	56		16 - 122
2-Fluorobiphenyl	55		19 - 107
2-Fluorophenol	57		10 - 111
Nitrobenzene-d5	63		23 - 112
Phenol-d5	65		15 - 112
Terphenyl-d14	95		10 - 132

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **FB-2**

Lab Sample ID: 180-14634-12

Client Matrix: Water

Date Sampled: 09/19/2012 1130

Date Received: 09/20/2012 0900

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-49849	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-49519	Lab File ID:	V0960025.D
Dilution:	1.0			Initial Weight/Volume:	970 mL
Analysis Date:	09/26/2012 2255			Final Weight/Volume:	1.0 mL
Prep Date:	09/25/2012 0531			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.015	0.21
Acenaphthylene	ND		0.016	0.21
Acetophenone	0.31	J	0.082	1.0
Anthracene	ND		0.16	0.21
Atrazine	ND		0.092	1.0
Benzaldehyde	ND		0.15	1.0
Benzo[a]anthracene	ND		0.015	0.21
Benzo[b]fluoranthene	ND		0.016	0.21
Benzo[k]fluoranthene	ND		0.056	0.21
Benzo[g,h,i]perylene	ND		0.016	0.21
Benzo[a]pyrene	ND		0.014	0.21
Bis(2-chloroethoxy)methane	ND		0.060	1.0
Bis(2-chloroethyl)ether	ND		0.026	0.21
Bis(2-ethylhexyl) phthalate	ND		1.3	2.1
Butyl benzyl phthalate	ND		0.15	1.0
1,1'-Biphenyl	ND		0.043	1.0
Caprolactam	ND		1.2	5.2
Carbazole	ND		0.016	0.21
Chrysene	ND		0.014	0.21
2-Chloronaphthalene	ND		0.016	0.21
2-Chlorophenol	ND		0.17	1.0
2,4-Dichlorophenol	ND		0.034	0.21
2,4-Dimethylphenol	ND		0.088	1.0
2,4-Dinitrophenol	ND		0.63	5.2
2,4-Dinitrotoluene	ND		0.055	1.0
2,6-Dinitrotoluene	ND		0.082	1.0
2-Methylnaphthalene	ND		0.013	0.21
2-Methylphenol	ND		0.089	1.0
2-Nitroaniline	ND		0.36	5.2
2-Nitrophenol	ND		0.18	1.0
2,2'-oxybis[1-chloropropane]	ND		0.020	0.21
2,4,5-Trichlorophenol	ND		0.16	1.0
2,4,6-Trichlorophenol	ND		0.18	1.0
4-Nitroaniline	ND		0.18	5.2
4-Nitrophenol	ND		0.67	5.2
4-Chlorophenyl phenyl ether	ND		0.052	1.0
Methylphenol, 3 & 4	ND		0.093	1.0
4,6-Dinitro-2-methylphenol	ND		0.23	5.2
4-Chloroaniline	ND		0.091	1.0
4-Chloro-3-methylphenol	ND		0.078	1.0
4-Bromophenyl phenyl ether	ND		0.065	1.0
Dibenz(a,h)anthracene	ND		0.016	0.21
Dibenzofuran	ND		0.064	1.0
Di-n-butyl phthalate	ND		0.13	1.0
Diethyl phthalate	ND		0.15	1.0
Dimethyl phthalate	ND		0.079	1.0

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **FB-2**

Lab Sample ID: 180-14634-12

Client Matrix: Water

Date Sampled: 09/19/2012 1130

Date Received: 09/20/2012 0900

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-49849	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-49519	Lab File ID:	V0960025.D
Dilution:	1.0			Initial Weight/Volume:	970 mL
Analysis Date:	09/26/2012 2255			Final Weight/Volume:	1.0 mL
Prep Date:	09/25/2012 0531			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Di-n-octyl phthalate	ND		0.21	1.0
3,3'-Dichlorobenzidine	ND		0.12	1.0
3-Nitroaniline	ND		0.33	5.2
Fluoranthene	ND		0.017	0.21
Fluorene	ND		0.022	0.21
Hexachlorobenzene	ND		0.019	0.21
Hexachlorobutadiene	ND		0.017	0.21
Hexachlorocyclopentadiene	ND		0.053	1.0
Hexachloroethane	ND		0.065	1.0
Indeno[1,2,3-cd]pyrene	ND		0.021	0.21
Isophorone	ND		0.066	1.0
Naphthalene	ND		0.014	0.21
Nitrobenzene	ND		0.087	2.1
N-Nitrosodiphenylamine	ND		0.088	1.0
N-Nitrosodi-n-propylamine	ND		0.032	0.21
Pyrene	ND		0.016	0.21
Phenol	ND		0.060	0.21
Phenanthrene	ND		0.044	0.21
Pentachlorophenol	ND		0.068	1.0
1,4-Dioxane	ND		0.15	2.1

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	58		16 - 122
2-Fluorobiphenyl	58		19 - 107
2-Fluorophenol	58		10 - 111
Nitrobenzene-d5	61		23 - 112
Phenol-d5	64		15 - 112
Terphenyl-d14	101		10 - 132

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **TMP-3**

Lab Sample ID: 180-14634-13

Client Matrix: Water

Date Sampled: 09/19/2012 1420

Date Received: 09/20/2012 0900

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-49849	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-49519	Lab File ID:	V0960026.D
Dilution:	1.0			Initial Weight/Volume:	1010 mL
Analysis Date:	09/26/2012 2319			Final Weight/Volume:	1.0 mL
Prep Date:	09/25/2012 0534			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.014	0.20
Acenaphthylene	ND		0.015	0.20
Acetophenone	ND		0.079	0.99
Anthracene	ND		0.15	0.20
Atrazine	ND		0.088	0.99
Benzaldehyde	ND		0.15	0.99
Benzo[a]anthracene	ND		0.015	0.20
Benzo[b]fluoranthene	ND		0.016	0.20
Benzo[k]fluoranthene	ND		0.054	0.20
Benzo[g,h,i]perylene	ND		0.015	0.20
Benzo[a]pyrene	ND		0.013	0.20
Bis(2-chloroethoxy)methane	ND		0.058	0.99
Bis(2-chloroethyl)ether	ND		0.025	0.20
Bis(2-ethylhexyl) phthalate	ND		1.2	2.0
Butyl benzyl phthalate	ND		0.14	0.99
1,1'-Biphenyl	ND		0.041	0.99
Caprolactam	ND		1.2	5.0
Carbazole	ND		0.016	0.20
Chrysene	ND		0.014	0.20
2-Chloronaphthalene	ND		0.015	0.20
2-Chlorophenol	ND		0.16	0.99
2,4-Dichlorophenol	ND		0.033	0.20
2,4-Dimethylphenol	ND		0.084	0.99
2,4-Dinitrophenol	ND		0.61	5.0
2,4-Dinitrotoluene	ND		0.053	0.99
2,6-Dinitrotoluene	ND		0.079	0.99
2-Methylnaphthalene	ND		0.012	0.20
2-Methylphenol	ND		0.085	0.99
2-Nitroaniline	ND		0.35	5.0
2-Nitrophenol	ND		0.17	0.99
2,2'-oxybis[1-chloropropane]	ND		0.020	0.20
2,4,5-Trichlorophenol	ND		0.15	0.99
2,4,6-Trichlorophenol	ND		0.17	0.99
4-Nitroaniline	ND		0.17	5.0
4-Nitrophenol	ND		0.64	5.0
4-Chlorophenyl phenyl ether	ND		0.050	0.99
Methylphenol, 3 & 4	ND		0.089	0.99
4,6-Dinitro-2-methylphenol	ND		0.22	5.0
4-Chloroaniline	ND		0.088	0.99
4-Chloro-3-methylphenol	ND		0.075	0.99
4-Bromophenyl phenyl ether	ND		0.063	0.99
Dibenz(a,h)anthracene	ND		0.015	0.20
Dibenzofuran	ND		0.061	0.99
Di-n-butyl phthalate	ND		0.12	0.99
Diethyl phthalate	ND		0.14	0.99
Dimethyl phthalate	ND		0.076	0.99

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **TMP-3**

Lab Sample ID: 180-14634-13

Client Matrix: Water

Date Sampled: 09/19/2012 1420

Date Received: 09/20/2012 0900

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-49849	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-49519	Lab File ID:	V0960026.D
Dilution:	1.0			Initial Weight/Volume:	1010 mL
Analysis Date:	09/26/2012 2319			Final Weight/Volume:	1.0 mL
Prep Date:	09/25/2012 0534			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Di-n-octyl phthalate	ND		0.20	0.99
3,3'-Dichlorobenzidine	ND		0.11	0.99
3-Nitroaniline	ND		0.32	5.0
Fluoranthene	ND		0.016	0.20
Fluorene	ND		0.021	0.20
Hexachlorobenzene	ND		0.018	0.20
Hexachlorobutadiene	ND		0.016	0.20
Hexachlorocyclopentadiene	ND		0.051	0.99
Hexachloroethane	ND		0.062	0.99
Indeno[1,2,3-cd]pyrene	ND		0.020	0.20
Isophorone	ND		0.064	0.99
Naphthalene	ND		0.014	0.20
Nitrobenzene	ND		0.083	2.0
N-Nitrosodiphenylamine	ND		0.084	0.99
N-Nitrosodi-n-propylamine	ND		0.030	0.20
Pyrene	ND		0.016	0.20
Phenol	ND		0.058	0.20
Phenanthrene	ND		0.042	0.20
Pentachlorophenol	ND		0.066	0.99
1,4-Dioxane	ND		0.14	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	59		16 - 122
2-Fluorobiphenyl	58		19 - 107
2-Fluorophenol	56		10 - 111
Nitrobenzene-d5	59		23 - 112
Phenol-d5	63		15 - 112
Terphenyl-d14	97		10 - 132

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-104**

Lab Sample ID: 180-14634-2

Client Matrix: Water

Date Sampled: 09/19/2012 0830

Date Received: 09/20/2012 0900

6020A Metals (ICP/MS)

Analysis Method:	6020A	Analysis Batch:	180-51644	Instrument ID:	M
Prep Method:	3010A	Prep Batch:	180-50436	Lab File ID:	M21009A.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	10/09/2012 2206			Final Weight/Volume:	50 mL
Prep Date:	10/02/2012 0924				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	33		0.29	1.0
Barium	720		0.098	10
Lead	0.62	J B	0.019	1.0
Iron	13000	B	6.1	50
Manganese	1900	B	0.039	5.0
Vanadium	2.8	B	0.082	1.0

6020A Metals (ICP/MS)-Dissolved

Analysis Method:	6020A	Analysis Batch:	180-51644	Instrument ID:	M
Prep Method:	3005A	Prep Batch:	180-50670	Lab File ID:	M21009A.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	10/09/2012 2033			Final Weight/Volume:	50 mL
Prep Date:	10/03/2012 1527				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	32		0.29	1.0
Barium	700		0.098	10
Iron	11000	B	6.1	50
Lead	0.043	J B	0.019	1.0
Manganese	1900	B	0.039	5.0
Vanadium	2.6	B	0.082	1.0

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-105**

Lab Sample ID: 180-14634-3

Client Matrix: Water

Date Sampled: 09/19/2012 0920

Date Received: 09/20/2012 0900

6020A Metals (ICP/MS)

Analysis Method:	6020A	Analysis Batch:	180-51644	Instrument ID:	M
Prep Method:	3010A	Prep Batch:	180-50436	Lab File ID:	M21009A.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	10/09/2012 2210			Final Weight/Volume:	50 mL
Prep Date:	10/02/2012 0924				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	41		0.29	1.0
Barium	270		0.098	10
Lead	10	B	0.019	1.0
Iron	140000	B	6.1	50
Manganese	4300	B	0.039	5.0
Vanadium	13	B	0.082	1.0

6020A Metals (ICP/MS)-Dissolved

Analysis Method:	6020A	Analysis Batch:	180-51644	Instrument ID:	M
Prep Method:	3005A	Prep Batch:	180-50670	Lab File ID:	M21009A.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	10/09/2012 2053			Final Weight/Volume:	50 mL
Prep Date:	10/03/2012 1527				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	26		0.29	1.0
Barium	170		0.098	10
Iron	95000	B	6.1	50
Lead	0.45	J B	0.019	1.0
Manganese	4400	B	0.039	5.0
Vanadium	2.3	B	0.082	1.0

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-109**

Lab Sample ID: 180-14634-4

Client Matrix: Water

Date Sampled: 09/19/2012 1030

Date Received: 09/20/2012 0900

6020A Metals (ICP/MS)

Analysis Method:	6020A	Analysis Batch:	180-51644	Instrument ID:	M
Prep Method:	3010A	Prep Batch:	180-50436	Lab File ID:	M21009A.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	10/09/2012 2229			Final Weight/Volume:	50 mL
Prep Date:	10/02/2012 0924				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	ND		0.29	1.0
Barium	140		0.098	10
Lead	0.18	J B	0.019	1.0
Iron	280	B	6.1	50
Manganese	260	B	0.039	5.0
Vanadium	ND		0.082	1.0

6020A Metals (ICP/MS)-Dissolved

Analysis Method:	6020A	Analysis Batch:	180-51644	Instrument ID:	M
Prep Method:	3005A	Prep Batch:	180-50670	Lab File ID:	M21009A.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	10/09/2012 2058			Final Weight/Volume:	50 mL
Prep Date:	10/03/2012 1527				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	ND		0.29	1.0
Barium	140		0.098	10
Iron	120	B	6.1	50
Lead	0.033	J B	0.019	1.0
Manganese	250	B	0.039	5.0
Vanadium	ND		0.082	1.0

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-114**

Lab Sample ID: 180-14634-5

Client Matrix: Water

Date Sampled: 09/19/2012 1200

Date Received: 09/20/2012 0900

6020A Metals (ICP/MS)

Analysis Method:	6020A	Analysis Batch:	180-51644	Instrument ID:	M
Prep Method:	3010A	Prep Batch:	180-50436	Lab File ID:	M21009A.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	10/09/2012 2234			Final Weight/Volume:	50 mL
Prep Date:	10/02/2012 0924				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	34		0.29	1.0
Barium	700		0.098	10
Lead	0.57	J B	0.019	1.0
Iron	13000	B	6.1	50
Manganese	1900	B	0.039	5.0
Vanadium	1.4	B	0.082	1.0

6020A Metals (ICP/MS)-Dissolved

Analysis Method:	6020A	Analysis Batch:	180-51644	Instrument ID:	M
Prep Method:	3005A	Prep Batch:	180-50670	Lab File ID:	M21009A.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	10/09/2012 2102			Final Weight/Volume:	50 mL
Prep Date:	10/03/2012 1527				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	33		0.29	1.0
Barium	710		0.098	10
Iron	11000	B	6.1	50
Lead	0.028	J B	0.019	1.0
Manganese	1900	B	0.039	5.0
Vanadium	1.5	B	0.082	1.0

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-101**

Lab Sample ID: 180-14634-6

Client Matrix: Water

Date Sampled: 09/19/2012 0820

Date Received: 09/20/2012 0900

6020A Metals (ICP/MS)

Analysis Method:	6020A	Analysis Batch:	180-51644	Instrument ID:	M
Prep Method:	3010A	Prep Batch:	180-50436	Lab File ID:	M21009A.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	10/09/2012 2238			Final Weight/Volume:	50 mL
Prep Date:	10/02/2012 0924				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	1.7		0.29	1.0
Barium	140		0.098	10
Lead	4.0	B	0.019	1.0
Iron	12000	B	6.1	50
Manganese	190	B	0.039	5.0
Vanadium	10	B	0.082	1.0

6020A Metals (ICP/MS)-Dissolved

Analysis Method:	6020A	Analysis Batch:	180-51644	Instrument ID:	M
Prep Method:	3005A	Prep Batch:	180-50670	Lab File ID:	M21009A.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	10/09/2012 2106			Final Weight/Volume:	50 mL
Prep Date:	10/03/2012 1527				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	0.40	J	0.29	1.0
Barium	110		0.098	10
Iron	1900	B	6.1	50
Lead	0.47	J B	0.019	1.0
Manganese	100	B	0.039	5.0
Vanadium	3.6	B	0.082	1.0

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-102**

Lab Sample ID: 180-14634-7

Client Matrix: Water

Date Sampled: 09/19/2012 1045

Date Received: 09/20/2012 0900

6020A Metals (ICP/MS)

Analysis Method:	6020A	Analysis Batch:	180-51644	Instrument ID:	M
Prep Method:	3010A	Prep Batch:	180-50436	Lab File ID:	M21009A.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	10/09/2012 2242			Final Weight/Volume:	50 mL
Prep Date:	10/02/2012 0924				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	2.8		0.29	1.0
Barium	160		0.098	10
Lead	4.2	B	0.019	1.0
Iron	19000	B	6.1	50
Manganese	550	B	0.039	5.0
Vanadium	17	B	0.082	1.0

6020A Metals (ICP/MS)-Dissolved

Analysis Method:	6020A	Analysis Batch:	180-51644	Instrument ID:	M
Prep Method:	3005A	Prep Batch:	180-50670	Lab File ID:	M21009A.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	10/09/2012 2125			Final Weight/Volume:	50 mL
Prep Date:	10/03/2012 1527				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	0.37	J	0.29	1.0
Barium	120		0.098	10
Iron	280	B	6.1	50
Lead	0.094	J B	0.019	1.0
Manganese	130	B	0.039	5.0
Vanadium	ND		0.082	1.0

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-106**

Lab Sample ID: 180-14634-8

Client Matrix: Water

Date Sampled: 09/19/2012 1225

Date Received: 09/20/2012 0900

6020A Metals (ICP/MS)

Analysis Method:	6020A	Analysis Batch:	180-51644	Instrument ID:	M
Prep Method:	3010A	Prep Batch:	180-50436	Lab File ID:	M21009A.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	10/09/2012 2247			Final Weight/Volume:	50 mL
Prep Date:	10/02/2012 0924				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	5.5		0.29	1.0
Barium	1200		0.098	10
Lead	44	B	0.019	1.0
Iron	25000	B	6.1	50
Manganese	4900	B	0.039	5.0
Vanadium	56	B	0.082	1.0

6020A Metals (ICP/MS)-Dissolved

Analysis Method:	6020A	Analysis Batch:	180-51644	Instrument ID:	M
Prep Method:	3005A	Prep Batch:	180-50670	Lab File ID:	M21009A.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	10/09/2012 2129			Final Weight/Volume:	50 mL
Prep Date:	10/03/2012 1527				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	3.5		0.29	1.0
Barium	460		0.098	10
Iron	1700	B	6.1	50
Lead	1.1	B	0.019	1.0
Manganese	5100	B	0.039	5.0
Vanadium	2.9	B	0.082	1.0

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **MW-110**

Lab Sample ID: 180-14634-9

Client Matrix: Water

Date Sampled: 09/19/2012 1300

Date Received: 09/20/2012 0900

6020A Metals (ICP/MS)

Analysis Method:	6020A	Analysis Batch:	180-51644	Instrument ID:	M
Prep Method:	3010A	Prep Batch:	180-50436	Lab File ID:	M21009A.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	10/09/2012 2251			Final Weight/Volume:	50 mL
Prep Date:	10/02/2012 0924				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	1.4		0.29	1.0
Barium	510		0.098	10
Lead	1.4	B	0.019	1.0
Iron	2600	B	6.1	50
Manganese	900	B	0.039	5.0
Vanadium	5.8	B	0.082	1.0

6020A Metals (ICP/MS)-Dissolved

Analysis Method:	6020A	Analysis Batch:	180-51644	Instrument ID:	M
Prep Method:	3005A	Prep Batch:	180-50670	Lab File ID:	M21009A.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	10/09/2012 2134			Final Weight/Volume:	50 mL
Prep Date:	10/03/2012 1527				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	2.2		0.29	1.0
Barium	410		0.098	10
Iron	670	B	6.1	50
Lead	0.42	J B	0.019	1.0
Manganese	970	B	0.039	5.0
Vanadium	4.4	B	0.082	1.0

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **TMP-5**

Lab Sample ID: 180-14634-11

Client Matrix: Water

Date Sampled: 09/19/2012 1230

Date Received: 09/20/2012 0900

6020A Metals (ICP/MS)

Analysis Method:	6020A	Analysis Batch:	180-51644	Instrument ID:	M
Prep Method:	3010A	Prep Batch:	180-50436	Lab File ID:	M21009A.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	10/09/2012 2300			Final Weight/Volume:	50 mL
Prep Date:	10/02/2012 0924				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	2.4		0.29	1.0
Barium	190		0.098	10
Lead	4.3	B	0.019	1.0
Iron	5500	B	6.1	50
Manganese	3000	B	0.039	5.0
Vanadium	6.3	B	0.082	1.0

6020A Metals (ICP/MS)-Dissolved

Analysis Method:	6020A	Analysis Batch:	180-51644	Instrument ID:	M
Prep Method:	3005A	Prep Batch:	180-50670	Lab File ID:	M21009A.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	10/09/2012 2138			Final Weight/Volume:	50 mL
Prep Date:	10/03/2012 1527				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	1.8		0.29	1.0
Barium	91		0.098	10
Iron	59	B	6.1	50
Lead	0.043	J B	0.019	1.0
Manganese	2400	B	0.039	5.0
Vanadium	2.8	B	0.082	1.0

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **FB-2**

Lab Sample ID: 180-14634-12

Client Matrix: Water

Date Sampled: 09/19/2012 1130

Date Received: 09/20/2012 0900

6020A Metals (ICP/MS)

Analysis Method:	6020A	Analysis Batch:	180-51644	Instrument ID:	M
Prep Method:	3010A	Prep Batch:	180-50436	Lab File ID:	M21009A.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	10/09/2012 2332			Final Weight/Volume:	50 mL
Prep Date:	10/02/2012 0924				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	ND		0.29	1.0
Barium	0.43	J	0.098	10
Lead	0.043	J B	0.019	1.0
Iron	33	J B	6.1	50
Manganese	1.1	J B	0.039	5.0
Vanadium	1.5	B	0.082	1.0

6020A Metals (ICP/MS)-Dissolved

Analysis Method:	6020A	Analysis Batch:	180-51644	Instrument ID:	M
Prep Method:	3005A	Prep Batch:	180-50670	Lab File ID:	M21009A.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	10/09/2012 2142			Final Weight/Volume:	50 mL
Prep Date:	10/03/2012 1527				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	ND		0.29	1.0
Barium	0.26	J	0.098	10
Iron	43	J B	6.1	50
Lead	0.092	J B	0.019	1.0
Manganese	1.3	J B	0.039	5.0
Vanadium	3.2	B	0.082	1.0

Client: Science Applications International Corp

Job Number: 180-14634-1

Client Sample ID: **TMP-3**

Lab Sample ID: 180-14634-13

Client Matrix: Water

Date Sampled: 09/19/2012 1420

Date Received: 09/20/2012 0900

6020A Metals (ICP/MS)

Analysis Method:	6020A	Analysis Batch:	180-51644	Instrument ID:	M
Prep Method:	3010A	Prep Batch:	180-50436	Lab File ID:	M21009A.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	10/09/2012 2336			Final Weight/Volume:	50 mL
Prep Date:	10/02/2012 0924				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	2.3		0.29	1.0
Barium	180		0.098	10
Lead	1.9	B	0.019	1.0
Iron	4200	B	6.1	50
Manganese	1400	B	0.039	5.0
Vanadium	5.1	B	0.082	1.0

6020A Metals (ICP/MS)-Dissolved

Analysis Method:	6020A	Analysis Batch:	180-51644	Instrument ID:	M
Prep Method:	3005A	Prep Batch:	180-50670	Lab File ID:	M21009A.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	10/09/2012 2147			Final Weight/Volume:	50 mL
Prep Date:	10/03/2012 1527				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	ND		0.29	1.0
Barium	190		0.098	10
Iron	700	B	6.1	50
Lead	0.38	J B	0.019	1.0
Manganese	1600	B	0.039	5.0
Vanadium	ND		0.082	1.0

Client: Science Applications International Corp

Job Number: 180-14634-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
180-14634-1	TRIP BLANK	99	119	92	91
180-14634-2	MW-104	98	118	90	94
180-14634-3	MW-105	98	114	90	90
180-14634-4	MW-109	98	115	88	91
180-14634-5	MW-114	96	117	90	93
180-14634-6	MW-101	98	117	90	92
180-14634-7	MW-102	100	118	91	92
180-14634-8	MW-106	100	119	88	87
180-14634-9	MW-110	107	125	85	91
180-14634-10	TMP-1	100	116	87	86
180-14634-11	TMP-5	100	116	90	92
180-14634-12	FB-2	100	116	90	90
180-14634-13	TMP-3	101	119	91	89
MB 180-50119/4		97	114	90	87
MB 180-50323/4		106	130	86	93
LCS 180-50119/5		102	115	101	91
LCS 180-50323/5		103	114	89	95
LCSD 180-50119/6		100	111	93	89
LCSD 180-50323/6		98	113	89	97

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	70-128
DCA = 1,2-Dichloroethane-d4 (Surr)	64-135
TOL = Toluene-d8 (Surr)	71-118
BFB = 4-Bromofluorobenzene (Surr)	70-118

Client: Science Applications International Corp

Job Number: 180-14634-1

Surrogate Recovery Report

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Client Matrix: Water

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
180-14634-2	MW-104	58D	66D	64D	55D	69D	93D
180-14634-3	MW-105	56	57	62	56	73	63
180-14634-3 DL	MW-105 DL	62	66	63	58	73	72
180-14634-4	MW-109	59	66	63	61	52	91
180-14634-5	MW-114	61D	62D	68D	56D	70D	82D
180-14634-6	MW-101	57	63	61	56	51	88
180-14634-7	MW-102	55	56	67	61	64	97
180-14634-8	MW-106	67	72	71	60	77	88
180-14634-11	TMP-5	57	65	63	55	56	95
180-14634-12	FB-2	58	64	61	58	58	101
180-14634-13	TMP-3	56	63	59	58	59	97
MB 180-49519/1-A		68	70	66	61	67	89
LCS 180-49519/2-A		76	78	75	74	86	94
LCSD 180-49519/3-A		75	76	73	73	81	96

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol	10-111
PHL = Phenol-d5	15-112
NBZ = Nitrobenzene-d5	23-112
FBP = 2-Fluorobiphenyl	19-107
TBP = 2,4,6-Tribromophenol	16-122
TPH = Terphenyl-d14	10-132

Client: Science Applications International Corp

Job Number: 180-14634-1

Method Blank - Batch: 180-50119

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 180-50119/4	Analysis Batch:	180-50119	Instrument ID:	HP6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	60928004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2012 1101	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/28/2012 1101				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acetone	ND		2.5	5.0
Benzene	ND		0.11	1.0
Bromodichloromethane	ND		0.13	1.0
Bromoform	ND		0.19	1.0
Bromomethane	ND		0.31	1.0
2-Butanone (MEK)	ND		0.55	5.0
Carbon disulfide	0.743	J	0.21	1.0
Carbon tetrachloride	ND		0.14	1.0
Chlorobenzene	ND		0.14	1.0
Chloroethane	ND		0.21	1.0
Chloroform	ND		0.17	1.0
Dibromochloromethane	ND		0.14	1.0
1,2-Dibromo-3-Chloropropane	ND		0.14	1.0
1,2-Dibromoethane (EDB)	ND		0.18	1.0
1,1-Dichloroethane	ND		0.12	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,1-Dichloroethene	ND		0.30	1.0
trans-1,2-Dichloroethene	ND		0.17	1.0
1,2-Dichloropropane	ND		0.095	1.0
cis-1,3-Dichloropropene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.15	1.0
Ethylbenzene	ND		0.23	1.0
2-Hexanone	ND		0.16	5.0
Methylene Chloride	ND		0.15	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.53	5.0
Styrene	ND		0.097	1.0
1,1,2,2-Tetrachloroethane	ND		0.20	1.0
Tetrachloroethene	ND		0.15	1.0
Toluene	ND		0.15	1.0
1,1,1-Trichloroethane	ND		0.29	1.0
1,1,2-Trichloroethane	ND		0.20	1.0
Trichloroethene	ND		0.14	1.0
Trichlorofluoromethane	ND		0.20	1.0
Vinyl chloride	ND		0.23	1.0
Xylenes, Total	ND		0.49	3.0
Cyclohexane	ND		0.25	1.0
cis-1,2-Dichloroethene	ND		0.24	1.0
Dichlorodifluoromethane	ND		0.19	1.0
Isopropylbenzene	ND		0.16	1.0
Methyl acetate	ND		0.14	1.0
Methylcyclohexane	ND		0.26	1.0
Methyl tert-butyl ether	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.32	1.0
1,2-Dichlorobenzene	ND		0.15	1.0
1,3-Dichlorobenzene	ND		0.11	1.0

Client: Science Applications International Corp

Job Number: 180-14634-1

Method Blank - Batch: 180-50119

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 180-50119/4	Analysis Batch:	180-50119	Instrument ID:	HP6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	60928004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2012 1101	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/28/2012 1101				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,4-Dichlorobenzene	ND		0.21	1.0
1,2,4-Trichlorobenzene	ND		0.27	1.0
Chloromethane	ND		0.28	1.0
1,4-Dioxane	ND		34	200

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	114	64 - 135
Toluene-d8 (Surr)	90	71 - 118
4-Bromofluorobenzene (Surr)	87	70 - 118
Dibromofluoromethane (Surr)	97	70 - 128

Method Blank TICs- Batch: 180-50119

Cas Number	Analyte	RT	Est. Result	Qual
	Tentatively Identified Compound		None	

Client: Science Applications International Corp

Job Number: 180-14634-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 180-50119

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 180-50119/5	Analysis Batch:	180-50119	Instrument ID:	HP6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	60928006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2012 1203	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/28/2012 1203				5 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 180-50119/6	Analysis Batch:	180-50119	Instrument ID:	HP6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	60928007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2012 1227	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/28/2012 1227				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acetone	117	112	22 - 150	4	35		
Benzene	101	100	80 - 120	1	32		
Bromodichloromethane	97	98	66 - 130	1	35		
Bromoform	87	89	46 - 150	2	35		
Bromomethane	119	123	33 - 150	3	35		
2-Butanone (MEK)	90	91	39 - 138	1	35		
Carbon disulfide	88	87	54 - 132	1	35		
Carbon tetrachloride	102	100	55 - 150	2	35		
Chlorobenzene	105	105	80 - 120	0	29		
Chloroethane	125	121	36 - 142	4	35		
Chloroform	109	104	72 - 127	5	35		
Dibromochloromethane	102	100	60 - 140	3	35		
1,2-Dibromo-3-Chloropropane	66	70	37 - 133	5	35		
1,2-Dibromoethane (EDB)	103	98	74 - 123	5	35		
1,1-Dichloroethane	108	107	73 - 126	1	35		
1,2-Dichloroethane	112	109	68 - 132	3	32		
1,1-Dichloroethene	98	99	65 - 136	1	35		
trans-1,2-Dichloroethene	103	100	73 - 126	4	35		
1,2-Dichloropropane	111	105	76 - 124	5	34		
cis-1,3-Dichloropropene	78	80	66 - 120	2	35		
trans-1,3-Dichloropropene	70	74	65 - 125	7	35		
Ethylbenzene	102	98	72 - 126	4	33		
2-Hexanone	81	79	25 - 132	4	35		
Methylene Chloride	102	99	63 - 129	3	35		
4-Methyl-2-pentanone (MIBK)	81	81	45 - 145	0	35		
Styrene	97	96	71 - 127	1	34		
1,1,2,2-Tetrachloroethane	107	100	62 - 125	7	35		
Tetrachloroethene	122	114	70 - 135	7	35		
Toluene	105	102	80 - 123	4	35		
1,1,1-Trichloroethane	96	99	63 - 133	3	35		
1,1,2-Trichloroethane	102	96	77 - 127	6	35		
Trichloroethene	103	102	73 - 120	1	35		
Trichlorofluoromethane	108	110	44 - 150	1	35		
Vinyl chloride	93	95	53 - 138	2	35		
Xylenes, Total	98	96	76 - 128	2	32		
Cyclohexane	97	96	45 - 142	1	35		

Client: Science Applications International Corp

Job Number: 180-14634-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 180-50119

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 180-50119/5	Analysis Batch:	180-50119	Instrument ID:	HP6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	60928006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2012 1203	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/28/2012 1203				5 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 180-50119/6	Analysis Batch:	180-50119	Instrument ID:	HP6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	60928007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2012 1227	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/28/2012 1227				5 mL
Leach Date:	N/A				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
cis-1,2-Dichloroethene	98	99	70 - 120	1	35		
Dichlorodifluoromethane	113	110	13 - 150	2	35		
Isopropylbenzene	96	98	58 - 130	1	35		
Methyl acetate	88	91	47 - 142	4	35		
Methylcyclohexane	91	95	45 - 145	4	35		
Methyl tert-butyl ether	84	86	64 - 123	2	35		
1,1,2-Trichloro-1,2,2-trifluoroethane	102	106	46 - 148	4	35		
1,2-Dichlorobenzene	103	100	77 - 120	3	24		
1,3-Dichlorobenzene	105	102	76 - 120	2	24		
1,4-Dichlorobenzene	102	100	77 - 120	2	24		
1,2,4-Trichlorobenzene	65	70	60 - 127	8	35		
Chloromethane	98	97	50 - 139	1	35		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	115	111	64 - 135
Toluene-d8 (Surr)	101	93	71 - 118
4-Bromofluorobenzene (Surr)	91	89	70 - 118
Dibromofluoromethane (Surr)	102	100	70 - 128

Client: Science Applications International Corp

Job Number: 180-14634-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 180-50119

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 180-50119/5	Units:	ug/L	LCSD Lab Sample ID:	LCSD 180-50119/6
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/28/2012 1203			Analysis Date:	09/28/2012 1227
Prep Date:	09/28/2012 1203			Prep Date:	09/28/2012 1227
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Acetone	10.0	10.0	11.7	11.2
Benzene	10.0	10.0	10.1	10.0
Bromodichloromethane	10.0	10.0	9.69	9.80
Bromoform	10.0	10.0	8.70	8.90
Bromomethane	10.0	10.0	11.9	12.3
2-Butanone (MEK)	10.0	10.0	9.01	9.11
Carbon disulfide	10.0	10.0	8.78	8.67
Carbon tetrachloride	10.0	10.0	10.2	10.0
Chlorobenzene	10.0	10.0	10.5	10.5
Chloroethane	10.0	10.0	12.5	12.1
Chloroform	10.0	10.0	10.9	10.4
Dibromochloromethane	10.0	10.0	10.2	9.96
1,2-Dibromo-3-Chloropropane	10.0	10.0	6.64	7.00
1,2-Dibromoethane (EDB)	10.0	10.0	10.3	9.81
1,1-Dichloroethane	10.0	10.0	10.8	10.7
1,2-Dichloroethane	10.0	10.0	11.2	10.9
1,1-Dichloroethene	10.0	10.0	9.81	9.88
trans-1,2-Dichloroethene	10.0	10.0	10.3	9.97
1,2-Dichloropropane	10.0	10.0	11.1	10.5
cis-1,3-Dichloropropene	10.0	10.0	7.80	7.96
trans-1,3-Dichloropropene	10.0	10.0	6.95	7.43
Ethylbenzene	10.0	10.0	10.2	9.81
2-Hexanone	10.0	10.0	8.15	7.86
Methylene Chloride	10.0	10.0	10.2	9.87
4-Methyl-2-pentanone (MIBK)	10.0	10.0	8.13	8.11
Styrene	10.0	10.0	9.74	9.62
1,1,2,2-Tetrachloroethane	10.0	10.0	10.7	10.0
Tetrachloroethene	10.0	10.0	12.2	11.4
Toluene	10.0	10.0	10.5	10.2
1,1,1-Trichloroethane	10.0	10.0	9.57	9.89
1,1,2-Trichloroethane	10.0	10.0	10.2	9.63
Trichloroethene	10.0	10.0	10.3	10.2
Trichlorofluoromethane	10.0	10.0	10.8	11.0
Vinyl chloride	10.0	10.0	9.26	9.49
Xylenes, Total	30.0	30.0	29.5	28.9
Cyclohexane	10.0	10.0	9.68	9.62
cis-1,2-Dichloroethene	10.0	10.0	9.75	9.87
Dichlorodifluoromethane	10.0	10.0	11.3	11.0
Isopropylbenzene	10.0	10.0	9.62	9.75

Client: Science Applications International Corp

Job Number: 180-14634-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 180-50119

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 180-50119/5	Units:	ug/L	LCSD Lab Sample ID:	LCSD 180-50119/6
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/28/2012 1203			Analysis Date:	09/28/2012 1227
Prep Date:	09/28/2012 1203			Prep Date:	09/28/2012 1227
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Methyl acetate	10.0	10.0	8.77	9.09
Methylcyclohexane	10.0	10.0	9.12	9.49
Methyl tert-butyl ether	10.0	10.0	8.45	8.60
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.0	10.2	10.6
1,2-Dichlorobenzene	10.0	10.0	10.3	9.95
1,3-Dichlorobenzene	10.0	10.0	10.5	10.2
1,4-Dichlorobenzene	10.0	10.0	10.2	9.97
1,2,4-Trichlorobenzene	10.0	10.0	6.46	7.00
Chloromethane	10.0	10.0	9.84	9.74

Client: Science Applications International Corp

Job Number: 180-14634-1

Method Blank - Batch: 180-50323

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 180-50323/4	Analysis Batch:	180-50323	Instrument ID:	HP6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	61001005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/01/2012 1017	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	10/01/2012 1017				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acetone	ND		2.5	5.0
Benzene	ND		0.11	1.0
Bromodichloromethane	ND		0.13	1.0
Bromoform	ND		0.19	1.0
Bromomethane	ND		0.31	1.0
2-Butanone (MEK)	ND		0.55	5.0
Carbon disulfide	ND		0.21	1.0
Carbon tetrachloride	ND		0.14	1.0
Chlorobenzene	ND		0.14	1.0
Chloroethane	ND		0.21	1.0
Chloroform	ND		0.17	1.0
Dibromochloromethane	ND		0.14	1.0
1,2-Dibromo-3-Chloropropane	ND		0.14	1.0
1,2-Dibromoethane (EDB)	ND		0.18	1.0
1,1-Dichloroethane	ND		0.12	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,1-Dichloroethene	ND		0.30	1.0
trans-1,2-Dichloroethene	ND		0.17	1.0
1,2-Dichloropropane	ND		0.095	1.0
cis-1,3-Dichloropropene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.15	1.0
Ethylbenzene	ND		0.23	1.0
2-Hexanone	ND		0.16	5.0
Methylene Chloride	ND		0.15	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.53	5.0
Styrene	ND		0.097	1.0
1,1,2,2-Tetrachloroethane	ND		0.20	1.0
Tetrachloroethene	ND		0.15	1.0
Toluene	ND		0.15	1.0
1,1,1-Trichloroethane	ND		0.29	1.0
1,1,2-Trichloroethane	ND		0.20	1.0
Trichloroethene	ND		0.14	1.0
Trichlorofluoromethane	ND		0.20	1.0
Vinyl chloride	ND		0.23	1.0
Xylenes, Total	ND		0.49	3.0
Cyclohexane	ND		0.25	1.0
cis-1,2-Dichloroethene	ND		0.24	1.0
Dichlorodifluoromethane	ND		0.19	1.0
Isopropylbenzene	ND		0.16	1.0
Methyl acetate	ND		0.14	1.0
Methylcyclohexane	ND		0.26	1.0
Methyl tert-butyl ether	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.32	1.0
1,2-Dichlorobenzene	ND		0.15	1.0
1,3-Dichlorobenzene	ND		0.11	1.0

Client: Science Applications International Corp

Job Number: 180-14634-1

Method Blank - Batch: 180-50323

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 180-50323/4	Analysis Batch:	180-50323	Instrument ID:	HP6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	61001005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/01/2012 1017	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	10/01/2012 1017				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,4-Dichlorobenzene	ND		0.21	1.0
1,2,4-Trichlorobenzene	ND		0.27	1.0
Chloromethane	ND		0.28	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	130	64 - 135
Toluene-d8 (Surr)	86	71 - 118
4-Bromofluorobenzene (Surr)	93	70 - 118
Dibromofluoromethane (Surr)	106	70 - 128

Method Blank TICs- Batch: 180-50323

Cas Number	Analyte	RT	Est. Result	Qual
	Tentatively Identified Compound		None	

Client: Science Applications International Corp

Job Number: 180-14634-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 180-50323

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 180-50323/5	Analysis Batch:	180-50323	Instrument ID:	HP6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	61001006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/01/2012 1041	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	10/01/2012 1041				5 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 180-50323/6	Analysis Batch:	180-50323	Instrument ID:	HP6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	61001007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/01/2012 1105	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	10/01/2012 1105				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acetone	147	157	22 - 150	6	35		*
Benzene	96	95	80 - 120	1	32		
Bromodichloromethane	94	98	66 - 130	5	35		
Bromoform	101	103	46 - 150	1	35		
Bromomethane	121	108	33 - 150	11	35		
2-Butanone (MEK)	98	103	39 - 138	4	35		
Carbon disulfide	82	79	54 - 132	3	35		
Carbon tetrachloride	93	94	55 - 150	1	35		
Chlorobenzene	99	99	80 - 120	0	29		
Chloroethane	122	121	36 - 142	1	35		
Chloroform	103	105	72 - 127	2	35		
Dibromochloromethane	99	103	60 - 140	4	35		
1,2-Dibromo-3-Chloropropane	80	90	37 - 133	11	35		
1,2-Dibromoethane (EDB)	92	93	74 - 123	1	35		
1,1-Dichloroethane	105	104	73 - 126	1	35		
1,2-Dichloroethane	111	114	68 - 132	2	32		
1,1-Dichloroethene	95	98	65 - 136	4	35		
trans-1,2-Dichloroethene	93	98	73 - 126	5	35		
1,2-Dichloropropane	100	101	76 - 124	1	34		
cis-1,3-Dichloropropene	75	81	66 - 120	7	35		
trans-1,3-Dichloropropene	72	75	65 - 125	4	35		
Ethylbenzene	93	92	72 - 126	1	33		
2-Hexanone	75	78	25 - 132	4	35		
Methylene Chloride	91	93	63 - 129	2	35		
4-Methyl-2-pentanone (MIBK)	74	78	45 - 145	5	35		
Styrene	93	94	71 - 127	2	34		
1,1,2,2-Tetrachloroethane	83	83	62 - 125	0	35		
Tetrachloroethene	109	106	70 - 135	2	35		
Toluene	92	94	80 - 123	1	35		
1,1,1-Trichloroethane	94	93	63 - 133	1	35		
1,1,2-Trichloroethane	89	91	77 - 127	2	35		
Trichloroethene	96	97	73 - 120	1	35		
Trichlorofluoromethane	111	109	44 - 150	1	35		
Vinyl chloride	87	86	53 - 138	1	35		
Xylenes, Total	93	93	76 - 128	1	32		
Cyclohexane	90	90	45 - 142	0	35		

Client: Science Applications International Corp

Job Number: 180-14634-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 180-50323

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 180-50323/5	Analysis Batch:	180-50323	Instrument ID:	HP6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	61001006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/01/2012 1041	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	10/01/2012 1041				5 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 180-50323/6	Analysis Batch:	180-50323	Instrument ID:	HP6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	61001007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/01/2012 1105	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	10/01/2012 1105				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
cis-1,2-Dichloroethene	91	93	70 - 120	2	35		
Dichlorodifluoromethane	107	110	13 - 150	3	35		
Isopropylbenzene	95	96	58 - 130	0	35		
Methyl acetate	91	87	47 - 142	4	35		
Methylcyclohexane	85	88	45 - 145	4	35		
Methyl tert-butyl ether	80	82	64 - 123	2	35		
1,1,2-Trichloro-1,2,2-trifluoroethane	100	98	46 - 148	3	35		
1,2-Dichlorobenzene	96	97	77 - 120	1	24		
1,3-Dichlorobenzene	91	91	76 - 120	0	24		
1,4-Dichlorobenzene	92	90	77 - 120	2	24		
1,2,4-Trichlorobenzene	98	94	60 - 127	5	35		
Chloromethane	86	87	50 - 139	1	35		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	114	113	64 - 135
Toluene-d8 (Surr)	89	89	71 - 118
4-Bromofluorobenzene (Surr)	95	97	70 - 118
Dibromofluoromethane (Surr)	103	98	70 - 128

Client: Science Applications International Corp

Job Number: 180-14634-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 180-50323

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 180-50323/5	Units:	ug/L	LCSD Lab Sample ID:	LCSD 180-50323/6
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	10/01/2012 1041			Analysis Date:	10/01/2012 1105
Prep Date:	10/01/2012 1041			Prep Date:	10/01/2012 1105
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual	
Acetone	10.0	10.0	14.7	15.7	*
Benzene	10.0	10.0	9.56	9.46	
Bromodichloromethane	10.0	10.0	9.37	9.84	
Bromoform	10.0	10.0	10.1	10.3	
Bromomethane	10.0	10.0	12.1	10.8	
2-Butanone (MEK)	10.0	10.0	9.82	10.3	
Carbon disulfide	10.0	10.0	8.16	7.90	
Carbon tetrachloride	10.0	10.0	9.34	9.42	
Chlorobenzene	10.0	10.0	9.89	9.89	
Chloroethane	10.0	10.0	12.2	12.1	
Chloroform	10.0	10.0	10.3	10.5	
Dibromochloromethane	10.0	10.0	9.88	10.3	
1,2-Dibromo-3-Chloropropane	10.0	10.0	8.04	8.97	
1,2-Dibromoethane (EDB)	10.0	10.0	9.19	9.32	
1,1-Dichloroethane	10.0	10.0	10.5	10.4	
1,2-Dichloroethane	10.0	10.0	11.1	11.4	
1,1-Dichloroethene	10.0	10.0	9.46	9.83	
trans-1,2-Dichloroethene	10.0	10.0	9.30	9.81	
1,2-Dichloropropane	10.0	10.0	10.0	10.1	
cis-1,3-Dichloropropene	10.0	10.0	7.53	8.09	
trans-1,3-Dichloropropene	10.0	10.0	7.23	7.51	
Ethylbenzene	10.0	10.0	9.26	9.20	
2-Hexanone	10.0	10.0	7.51	7.79	
Methylene Chloride	10.0	10.0	9.10	9.30	
4-Methyl-2-pentanone (MIBK)	10.0	10.0	7.43	7.80	
Styrene	10.0	10.0	9.28	9.45	
1,1,2,2-Tetrachloroethane	10.0	10.0	8.28	8.30	
Tetrachloroethene	10.0	10.0	10.9	10.6	
Toluene	10.0	10.0	9.23	9.36	
1,1,1-Trichloroethane	10.0	10.0	9.40	9.30	
1,1,2-Trichloroethane	10.0	10.0	8.92	9.09	
Trichloroethene	10.0	10.0	9.56	9.67	
Trichlorofluoromethane	10.0	10.0	11.1	10.9	
Vinyl chloride	10.0	10.0	8.72	8.65	
Xylenes, Total	30.0	30.0	27.8	28.0	
Cyclohexane	10.0	10.0	9.04	9.00	
cis-1,2-Dichloroethene	10.0	10.0	9.12	9.28	
Dichlorodifluoromethane	10.0	10.0	10.7	11.0	
Isopropylbenzene	10.0	10.0	9.53	9.56	

Client: Science Applications International Corp

Job Number: 180-14634-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 180-50323

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 180-50323/5	Units:	ug/L	LCSD Lab Sample ID:	LCSD 180-50323/6
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	10/01/2012 1041			Analysis Date:	10/01/2012 1105
Prep Date:	10/01/2012 1041			Prep Date:	10/01/2012 1105
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Methyl acetate	10.0	10.0	9.08	8.70
Methylcyclohexane	10.0	10.0	8.47	8.83
Methyl tert-butyl ether	10.0	10.0	8.04	8.18
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.0	10.0	9.75
1,2-Dichlorobenzene	10.0	10.0	9.59	9.66
1,3-Dichlorobenzene	10.0	10.0	9.07	9.06
1,4-Dichlorobenzene	10.0	10.0	9.17	9.03
1,2,4-Trichlorobenzene	10.0	10.0	9.82	9.37
Chloromethane	10.0	10.0	8.62	8.70

Client: Science Applications International Corp

Job Number: 180-14634-1

Method Blank - Batch: 180-49519

Method: 8270C LL
Preparation: 3520C

Lab Sample ID:	MB 180-49519/1-A	Analysis Batch:	180-49849	Instrument ID:	731
Client Matrix:	Water	Prep Batch:	180-49519	Lab File ID:	V0960014.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/26/2012 1347	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	09/25/2012 0531			Injection Volume:	2 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acenaphthene	ND		0.014	0.20
Acenaphthylene	ND		0.015	0.20
Acetophenone	ND		0.080	1.0
Anthracene	ND		0.15	0.20
Atrazine	ND		0.089	1.0
Benzaldehyde	ND		0.15	1.0
Benzo[a]anthracene	ND		0.015	0.20
Benzo[b]fluoranthene	ND		0.016	0.20
Benzo[k]fluoranthene	ND		0.055	0.20
Benzo[g,h,i]perylene	ND		0.015	0.20
Benzo[a]pyrene	ND		0.013	0.20
Bis(2-chloroethoxy)methane	ND		0.058	1.0
Bis(2-chloroethyl)ether	ND		0.025	0.20
Bis(2-ethylhexyl) phthalate	ND		1.3	2.0
Butyl benzyl phthalate	ND		0.14	1.0
1,1'-Biphenyl	ND		0.042	1.0
Caprolactam	ND		1.2	5.0
Carbazole	ND		0.016	0.20
Chrysene	ND		0.014	0.20
2-Chloronaphthalene	ND		0.015	0.20
2-Chlorophenol	ND		0.17	1.0
2,4-Dichlorophenol	ND		0.033	0.20
2,4-Dimethylphenol	ND		0.085	1.0
2,4-Dinitrophenol	ND		0.61	5.0
2,4-Dinitrotoluene	ND		0.054	1.0
2,6-Dinitrotoluene	ND		0.080	1.0
2-Methylnaphthalene	ND		0.012	0.20
2-Methylphenol	ND		0.086	1.0
2-Nitroaniline	ND		0.35	5.0
2-Nitrophenol	ND		0.17	1.0
2,2'-oxybis[1-chloropropane]	ND		0.020	0.20
2,4,5-Trichlorophenol	ND		0.15	1.0
2,4,6-Trichlorophenol	ND		0.17	1.0
4-Nitroaniline	ND		0.17	5.0
4-Nitrophenol	ND		0.65	5.0
4-Chlorophenyl phenyl ether	ND		0.050	1.0
Methylphenol, 3 & 4	ND		0.090	1.0
4,6-Dinitro-2-methylphenol	ND		0.22	5.0
4-Chloroaniline	ND		0.089	1.0
4-Chloro-3-methylphenol	ND		0.075	1.0
4-Bromophenyl phenyl ether	ND		0.064	1.0
Dibenz(a,h)anthracene	ND		0.016	0.20
Dibenzofuran	ND		0.062	1.0
Di-n-butyl phthalate	ND		0.12	1.0
Diethyl phthalate	ND		0.15	1.0

Client: Science Applications International Corp

Job Number: 180-14634-1

Method Blank - Batch: 180-49519

Method: 8270C LL
Preparation: 3520C

Lab Sample ID:	MB 180-49519/1-A	Analysis Batch:	180-49849	Instrument ID:	731
Client Matrix:	Water	Prep Batch:	180-49519	Lab File ID:	V0960014.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/26/2012 1347	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	09/25/2012 0531			Injection Volume:	2 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dimethyl phthalate	ND		0.077	1.0
Di-n-octyl phthalate	ND		0.21	1.0
3,3'-Dichlorobenzidine	ND		0.11	1.0
3-Nitroaniline	ND		0.32	5.0
Fluoranthene	ND		0.016	0.20
Fluorene	ND		0.022	0.20
Hexachlorobenzene	ND		0.018	0.20
Hexachlorobutadiene	ND		0.017	0.20
Hexachlorocyclopentadiene	ND		0.052	1.0
Hexachloroethane	ND		0.063	1.0
Indeno[1,2,3-cd]pyrene	ND		0.020	0.20
Isophorone	ND		0.064	1.0
Naphthalene	ND		0.014	0.20
Nitrobenzene	ND		0.084	2.0
N-Nitrosodiphenylamine	ND		0.085	1.0
N-Nitrosodi-n-propylamine	ND		0.031	0.20
Pyrene	ND		0.016	0.20
Phenol	ND		0.058	0.20
Phenanthrene	ND		0.043	0.20
Pentachlorophenol	ND		0.066	1.0
1,4-Dioxane	ND		0.14	2.0

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	67	16 - 122
2-Fluorobiphenyl	61	19 - 107
2-Fluorophenol	68	10 - 111
Nitrobenzene-d5	66	23 - 112
Phenol-d5	70	15 - 112
Terphenyl-d14	89	10 - 132

Client: Science Applications International Corp

Job Number: 180-14634-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 180-49519

Method: 8270C LL
Preparation: 3520C

LCS Lab Sample ID:	LCS 180-49519/2-A	Analysis Batch:	180-49849	Instrument ID:	731
Client Matrix:	Water	Prep Batch:	180-49519	Lab File ID:	V0960015.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/26/2012 1434	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	09/25/2012 0531			Injection Volume:	2 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 180-49519/3-A	Analysis Batch:	180-49849	Instrument ID:	731
Client Matrix:	Water	Prep Batch:	180-49519	Lab File ID:	V0960016.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/26/2012 1457	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	09/25/2012 0531			Injection Volume:	2 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acenaphthene	72	71	35 - 99	2	41		
Acenaphthylene	78	76	37 - 107	3	40		
Acetophenone	74	75	30 - 150	1	35		
Anthracene	71	70	35 - 105	1	37		
Atrazine	122	120	30 - 150	2	35		
Benzaldehyde	48	48	30 - 150	2	35		
Benzo[a]anthracene	77	78	38 - 101	1	36		
Benzo[b]fluoranthene	74	74	29 - 98	0	46		
Benzo[k]fluoranthene	72	74	28 - 107	3	31		
Benzo[g,h,i]perylene	73	75	20 - 115	2	44		
Benzo[a]pyrene	79	79	26 - 108	1	40		
Bis(2-chloroethoxy)methane	72	74	33 - 98	2	46		
Bis(2-chloroethyl)ether	69	69	33 - 95	0	38		
Bis(2-ethylhexyl) phthalate	80	80	20 - 116	1	40		
Butyl benzyl phthalate	80	80	36 - 108	0	40		
1,1'-Biphenyl	71	70	30 - 150	1	35		
Caprolactam	77	79	30 - 150	3	35		
Carbazole	66	64	29 - 112	3	35		
Chrysene	79	82	37 - 99	3	42		
2-Chloronaphthalene	71	70	34 - 96	1	39		
2-Chlorophenol	72	72	31 - 99	0	39		
2,4-Dichlorophenol	74	74	34 - 104	0	41		
2,4-Dimethylphenol	75	72	33 - 97	4	40		
2,4-Dinitrophenol	67	55	10 - 130	19	53		
2,4-Dinitrotoluene	73	69	37 - 115	6	39		
2,6-Dinitrotoluene	75	74	39 - 113	1	40		
2-Methylnaphthalene	73	73	34 - 98	0	42		
2-Methylphenol	67	68	33 - 98	2	38		
2-Nitroaniline	69	67	29 - 112	3	65		
2-Nitrophenol	75	75	34 - 107	0	41		
2,2'-oxybis[1-chloropropane]	68	67	30 - 99	2	42		
2,4,5-Trichlorophenol	69	62	34 - 104	10	39		
2,4,6-Trichlorophenol	73	70	36 - 103	5	39		
4-Nitroaniline	69	67	20 - 124	3	45		
4-Nitrophenol	68	58	29 - 115	16	42		
4-Chlorophenyl phenyl ether	74	71	34 - 103	4	38		

Client: Science Applications International Corp

Job Number: 180-14634-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 180-49519

Method: 8270C LL
Preparation: 3520C

LCS Lab Sample ID:	LCS 180-49519/2-A	Analysis Batch:	180-49849	Instrument ID:	731
Client Matrix:	Water	Prep Batch:	180-49519	Lab File ID:	V0960015.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/26/2012 1434	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	09/25/2012 0531			Injection Volume:	2 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 180-49519/3-A	Analysis Batch:	180-49849	Instrument ID:	731
Client Matrix:	Water	Prep Batch:	180-49519	Lab File ID:	V0960016.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/26/2012 1457	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	09/25/2012 0531			Injection Volume:	2 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Methylphenol, 3 & 4	77	77	32 - 100	0	41		
4,6-Dinitro-2-methylphenol	68	64	24 - 124	6	41		
4-Chloroaniline	76	76	10 - 99	0	39		
4-Chloro-3-methylphenol	73	74	35 - 104	2	42		
4-Bromophenyl phenyl ether	76	77	37 - 104	1	40		
Dibenz(a,h)anthracene	64	64	19 - 118	0	44		
Dibenzofuran	70	69	34 - 101	2	39		
Di-n-butyl phthalate	69	69	37 - 111	1	38		
Diethyl phthalate	72	70	36 - 109	2	39		
Dimethyl phthalate	72	70	37 - 106	2	42		
Di-n-octyl phthalate	85	84	11 - 127	1	44		
3,3'-Dichlorobenzidine	78	76	10 - 89	1	56		
3-Nitroaniline	72	70	11 - 104	3	48		
Fluoranthene	68	69	32 - 112	1	39		
Fluorene	74	72	34 - 104	4	40		
Hexachlorobenzene	79	80	35 - 102	2	35		
Hexachlorobutadiene	70	71	35 - 100	2	41		
Hexachlorocyclopentadiene	79	79	36 - 115	0	47		
Hexachloroethane	69	68	32 - 94	1	39		
Indeno[1,2,3-cd]pyrene	68	70	22 - 115	3	54		
Isophorone	76	76	38 - 102	0	43		
Naphthalene	71	72	35 - 97	2	43		
Nitrobenzene	71	69	37 - 100	3	42		
N-Nitrosodiphenylamine	75	77	32 - 102	3	36		
N-Nitrosodi-n-propylamine	73	75	34 - 101	2	43		
Pyrene	84	87	35 - 106	3	42		
Phenol	67	67	32 - 95	0	39		
Phenanthrene	73	74	32 - 104	2	36		
Pentachlorophenol	59	50	15 - 111	16	42		
1,4-Dioxane	69	68	23 - 88	2	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4,6-Tribromophenol	86	81	16 - 122
2-Fluorobiphenyl	74	73	19 - 107
2-Fluorophenol	76	75	10 - 111
Nitrobenzene-d5	75	73	23 - 112

Client: Science Applications International Corp

Job Number: 180-14634-1

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Phenol-d5	78	76	15 - 112
Terphenyl-d14	94	96	10 - 132

Client: Science Applications International Corp

Job Number: 180-14634-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 180-49519

Method: 8270C LL
Preparation: 3520C

LCS Lab Sample ID:	LCS 180-49519/2-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 180-49519/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/26/2012 1434			Analysis Date:	09/26/2012 1457
Prep Date:	09/25/2012 0531			Prep Date:	09/25/2012 0531
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Acenaphthene	20.0	20.0	14.4	14.1
Acenaphthylene	20.0	20.0	15.6	15.1
Acetophenone	20.0	20.0	14.8	15.0
Anthracene	20.0	20.0	14.1	14.1
Atrazine	20.0	20.0	24.5	24.0
Benzaldehyde	20.0	20.0	9.68	9.51
Benzo[a]anthracene	20.0	20.0	15.5	15.6
Benzo[b]fluoranthene	20.0	20.0	14.8	14.7
Benzo[k]fluoranthene	20.0	20.0	14.4	14.9
Benzo[g,h,i]perylene	20.0	20.0	14.5	14.9
Benzo[a]pyrene	20.0	20.0	15.7	15.8
Bis(2-chloroethoxy)methane	20.0	20.0	14.4	14.7
Bis(2-chloroethyl)ether	20.0	20.0	13.7	13.7
Bis(2-ethylhexyl) phthalate	20.0	20.0	15.9	16.0
Butyl benzyl phthalate	20.0	20.0	16.0	16.0
1,1'-Biphenyl	20.0	20.0	14.2	14.0
Caprolactam	20.0	20.0	15.3	15.7
Carbazole	20.0	20.0	13.2	12.8
Chrysene	20.0	20.0	15.9	16.3
2-Chloronaphthalene	20.0	20.0	14.1	14.0
2-Chlorophenol	20.0	20.0	14.4	14.3
2,4-Dichlorophenol	20.0	20.0	14.7	14.7
2,4-Dimethylphenol	20.0	20.0	15.0	14.4
2,4-Dinitrophenol	20.0	20.0	13.4	11.1
2,4-Dinitrotoluene	20.0	20.0	14.7	13.9
2,6-Dinitrotoluene	20.0	20.0	14.9	14.8
2-Methylnaphthalene	20.0	20.0	14.7	14.6
2-Methylphenol	20.0	20.0	13.4	13.6
2-Nitroaniline	20.0	20.0	13.9	13.5
2-Nitrophenol	20.0	20.0	15.0	15.0
2,2'-oxybis[1-chloropropane]	20.0	20.0	13.7	13.4
2,4,5-Trichlorophenol	20.0	20.0	13.7	12.4
2,4,6-Trichlorophenol	20.0	20.0	14.6	13.9
4-Nitroaniline	20.0	20.0	13.8	13.4
4-Nitrophenol	20.0	20.0	13.5	11.5
4-Chlorophenyl phenyl ether	20.0	20.0	14.9	14.3
Methylphenol, 3 & 4	40.0	40.0	30.6	30.7
4,6-Dinitro-2-methylphenol	20.0	20.0	13.7	12.9
4-Chloroaniline	20.0	20.0	15.3	15.3

Client: Science Applications International Corp

Job Number: 180-14634-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 180-49519

Method: 8270C LL
Preparation: 3520C

LCS Lab Sample ID:	LCS 180-49519/2-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 180-49519/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/26/2012 1434			Analysis Date:	09/26/2012 1457
Prep Date:	09/25/2012 0531			Prep Date:	09/25/2012 0531
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
4-Chloro-3-methylphenol	20.0	20.0	14.6	14.8
4-Bromophenyl phenyl ether	20.0	20.0	15.2	15.3
Dibenz(a,h)anthracene	20.0	20.0	12.8	12.9
Dibenzofuran	20.0	20.0	14.1	13.8
Di-n-butyl phthalate	20.0	20.0	13.8	13.9
Diethyl phthalate	20.0	20.0	14.3	14.0
Dimethyl phthalate	20.0	20.0	14.4	14.1
Di-n-octyl phthalate	20.0	20.0	17.0	16.8
3,3'-Dichlorobenzidine	20.0	20.0	15.5	15.3
3-Nitroaniline	20.0	20.0	14.4	14.0
Fluoranthene	20.0	20.0	13.6	13.7
Fluorene	20.0	20.0	14.9	14.3
Hexachlorobenzene	20.0	20.0	15.7	16.0
Hexachlorobutadiene	20.0	20.0	14.0	14.3
Hexachlorocyclopentadiene	20.0	20.0	15.9	15.8
Hexachloroethane	20.0	20.0	13.8	13.7
Indeno[1,2,3-cd]pyrene	20.0	20.0	13.7	14.0
Isophorone	20.0	20.0	15.2	15.1
Naphthalene	20.0	20.0	14.1	14.4
Nitrobenzene	20.0	20.0	14.2	13.9
N-Nitrosodiphenylamine	20.0	20.0	15.0	15.5
N-Nitrosodi-n-propylamine	20.0	20.0	14.6	15.0
Pyrene	20.0	20.0	16.8	17.3
Phenol	20.0	20.0	13.3	13.4
Phenanthrene	20.0	20.0	14.6	14.9
Pentachlorophenol	20.0	20.0	11.7	9.94
1,4-Dioxane	20.0	20.0	13.8	13.5

Client: Science Applications International Corp

Job Number: 180-14634-1

Method Blank - Batch: 180-50436

Method: 6020A
Preparation: 3010A

Lab Sample ID:	MB 180-50436/1-A	Analysis Batch:	180-51644	Instrument ID:	M
Client Matrix:	Water	Prep Batch:	180-50436	Lab File ID:	M21009A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	10/09/2012 2155	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	10/02/2012 0924				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Arsenic	ND		0.29	1.0
Barium	ND		0.098	10
Iron	15.7	J	6.1	50
Lead	0.0380	J	0.019	1.0
Manganese	0.366	J	0.039	5.0
Vanadium	0.221	J	0.082	1.0

Lab Control Sample - Batch: 180-50436

Method: 6020A
Preparation: 3010A

Lab Sample ID:	LCS 180-50436/2-A	Analysis Batch:	180-51644	Instrument ID:	M
Client Matrix:	Water	Prep Batch:	180-50436	Lab File ID:	M21009A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	10/09/2012 2159	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	10/02/2012 0924				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	40.0	35.8	89	80 - 120	
Barium	2000	1960	98	80 - 120	
Iron	1000	1120	112	80 - 120	
Lead	20.0	20.3	101	80 - 120	
Manganese	500	519	104	80 - 120	
Vanadium	500	495	99	80 - 120	

Client: Science Applications International Corp

Job Number: 180-14634-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 180-50436

Method: 6020A
Preparation: 3010A

MS Lab Sample ID:	180-14634-11	Analysis Batch:	180-51644	Instrument ID:	M
Client Matrix:	Water	Prep Batch:	180-50436	Lab File ID:	M21009A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	10/09/2012 2308			Final Weight/Volume:	50 mL
Prep Date:	10/02/2012 0924				
Leach Date:	N/A				

MSD Lab Sample ID:	180-14634-11	Analysis Batch:	180-51644	Instrument ID:	M
Client Matrix:	Water	Prep Batch:	180-50436	Lab File ID:	M21009A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	10/09/2012 2327			Final Weight/Volume:	50 mL
Prep Date:	10/02/2012 0924				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Arsenic	86	81	75 - 125	5	20		
Barium	91	88	75 - 125	4	20		
Iron	156	139	75 - 125	2	20	4	4
Lead	93	99	75 - 125	5	20		
Manganese	111	88	75 - 125	3	20	4	4
Vanadium	92	89	75 - 125	3	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 180-50436

Method: 6020A
Preparation: 3010A

MS Lab Sample ID:	180-14634-11	Units:	ug/L	MSD Lab Sample ID:	180-14634-11
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	10/09/2012 2308			Analysis Date:	10/09/2012 2327
Prep Date:	10/02/2012 0924			Prep Date:	10/02/2012 0924
Leach Date:	N/A			Leach Date:	N/A

	Sample	MS Spike	MSD Spike	MS		MSD	
Analyte	Result/Qual	Amount	Amount	Result/Qual		Result/Qual	
Arsenic	2.4	40.0	40.0	36.6		34.7	
Barium	190	2000	2000	2020		1940	
Iron	5500	1000	1000	7060	4	6890	4
Lead	4.3	20.0	20.0	22.9		24.1	
Manganese	3000	500	500	3550	4	3440	4
Vanadium	6.3	500	500	467		453	

Client: Science Applications International Corp

Job Number: 180-14634-1

Serial Dilution - Batch: 180-50436

Method: 6020A
Preparation: 3010A

Lab Sample ID:	180-14634-11	Analysis Batch:	180-51644	Instrument ID:	M
Client Matrix:	Water	Prep Batch:	180-50436	Lab File ID:	M21009A.xml
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	10/09/2012 2304	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	10/02/2012 0924				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Arsenic	2.4	12.2	NC	10	
Barium	190	189	2.1	10	
Iron	5500	5510	0.02	10	
Lead	4.3	4.69	8.7	10	J
Manganese	3000	2810	6.2	10	
Vanadium	6.3	3.32	47	10	J V

Client: Science Applications International Corp

Job Number: 180-14634-1

Method Blank - Batch: 180-50670

Method: 6020A
Preparation: 3005A
Total Recoverable

Lab Sample ID:	MB 180-50670/1-A	Analysis Batch:	180-51644	Instrument ID:	M
Client Matrix:	Water	Prep Batch:	180-50670	Lab File ID:	M21009A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	10/09/2012 2021	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	10/03/2012 1527				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Arsenic	ND		0.29	1.0
Barium	ND		0.098	10
Iron	6.77	J	6.1	50
Lead	0.0430	J	0.019	1.0
Manganese	0.127	J	0.039	5.0
Vanadium	0.247	J	0.082	1.0

Lab Control Sample - Batch: 180-50670

Method: 6020A
Preparation: 3005A
Total Recoverable

Lab Sample ID:	LCS 180-50670/2-A	Analysis Batch:	180-51644	Instrument ID:	M
Client Matrix:	Water	Prep Batch:	180-50670	Lab File ID:	M21009A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	10/09/2012 2026	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	10/03/2012 1527				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	40.0	37.2	93	80 - 120	
Barium	2000	1930	96	80 - 120	
Iron	1000	1060	106	80 - 120	
Lead	20.0	18.6	93	80 - 120	
Manganese	500	527	105	80 - 120	
Vanadium	500	503	101	80 - 120	

Client: Science Applications International Corp

Job Number: 180-14634-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 180-50670

Method: 6020A
Preparation: 3005A
Dissolved

MS Lab Sample ID:	180-14634-2	Analysis Batch:	180-51644	Instrument ID:	M
Client Matrix:	Water	Prep Batch:	180-50670	Lab File ID:	M21009A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	10/09/2012 2042			Final Weight/Volume:	50 mL
Prep Date:	10/03/2012 1527				
Leach Date:	N/A				

MSD Lab Sample ID:	180-14634-2	Analysis Batch:	180-51644	Instrument ID:	M
Client Matrix:	Water	Prep Batch:	180-50670	Lab File ID:	M21009A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	10/09/2012 2046			Final Weight/Volume:	50 mL
Prep Date:	10/03/2012 1527				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Arsenic	92	94	75 - 125	1	20		
Barium	93	99	75 - 125	4	20		
Iron	91	116	75 - 125	2	20	4	4
Lead	89	93	75 - 125	5	20		
Manganese	99	111	75 - 125	3	20		
Vanadium	95	96	75 - 125	2	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 180-50670

Method: 6020A
Preparation: 3005A
Dissolved

MS Lab Sample ID:	180-14634-2	Units:	ug/L
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	10/09/2012 2042		
Prep Date:	10/03/2012 1527		
Leach Date:	N/A		

MSD Lab Sample ID:	180-14634-2
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	10/09/2012 2046
Prep Date:	10/03/2012 1527
Leach Date:	N/A

	Sample		MS Spike	MSD Spike	MS		MSD	
Analyte	Result/Qual		Amount	Amount	Result/Qual		Result/Qual	
Arsenic	32		40.0	40.0	69.1		70.0	
Barium	700		2000	2000	2560		2680	
Iron	11000		1000	1000	12200	4	12400	4
Lead	0.043	J	20.0	20.0	17.8		18.7	
Manganese	1900		500	500	2350		2420	
Vanadium	2.6		500	500	477		485	

Client: Science Applications International Corp

Job Number: 180-14634-1

Serial Dilution - Batch: 180-50670

Method: 6020A
Preparation: 3005A
Dissolved

Lab Sample ID:	180-14634-2	Analysis Batch:	180-51644	Instrument ID:	M
Client Matrix:	Water	Prep Batch:	180-50670	Lab File ID:	M21009A.xml
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	10/09/2012 2037	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	10/03/2012 1527				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Arsenic	32		31.9	1.7	10	
Barium	700		684	1.7	10	
Iron	11000		11600	3.6	10	
Lead	0.043	J	ND	NC	10	
Manganese	1900		1780	4.3	10	
Vanadium	2.6		2.60	NC	10	J

DATA REPORTING QUALIFIERS

Client: Science Applications International Corp

Job Number: 180-14634-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	J	Indicates an Estimated Value for TICs
	*	LCS or LCSD exceeds the control limits
	N	Presumptive evidence of material.
	T	Result is a tentatively identified compound (TIC) and an estimated value.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	E	Result exceeded calibration range.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
Metals		
	B	Compound was found in the blank and sample.
	^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	V	Serial Dilution exceeds the control limits

Client: Science Applications International Corp

Job Number: 180-14634-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:180-50119					
LCS 180-50119/5	Lab Control Sample	T	Water	8260B	
LCSD 180-50119/6	Lab Control Sample Duplicate	T	Water	8260B	
MB 180-50119/4	Method Blank	T	Water	8260B	
180-14634-1	TRIP BLANK	T	Water	8260B	
180-14634-2	MW-104	T	Water	8260B	
180-14634-3	MW-105	T	Water	8260B	
180-14634-4	MW-109	T	Water	8260B	
180-14634-5	MW-114	T	Water	8260B	
180-14634-6	MW-101	T	Water	8260B	
180-14634-7	MW-102	T	Water	8260B	
180-14634-8	MW-106	T	Water	8260B	
180-14634-10	TMP-1	T	Water	8260B	
180-14634-11	TMP-5	T	Water	8260B	
180-14634-12	FB-2	T	Water	8260B	
180-14634-13	TMP-3	T	Water	8260B	
Analysis Batch:180-50323					
LCS 180-50323/5	Lab Control Sample	T	Water	8260B	
LCSD 180-50323/6	Lab Control Sample Duplicate	T	Water	8260B	
MB 180-50323/4	Method Blank	T	Water	8260B	
180-14634-9	MW-110	T	Water	8260B	

Report Basis

T = Total

Client: Science Applications International Corp

Job Number: 180-14634-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 180-49519					
LCS 180-49519/2-A	Lab Control Sample	T	Water	3520C	
LCSD 180-49519/3-A	Lab Control Sample Duplicate	T	Water	3520C	
MB 180-49519/1-A	Method Blank	T	Water	3520C	
180-14634-2	MW-104	T	Water	3520C	
180-14634-3	MW-105	T	Water	3520C	
180-14634-3DL	MW-105	T	Water	3520C	
180-14634-4	MW-109	T	Water	3520C	
180-14634-5	MW-114	T	Water	3520C	
180-14634-6	MW-101	T	Water	3520C	
180-14634-7	MW-102	T	Water	3520C	
180-14634-8	MW-106	T	Water	3520C	
180-14634-11	TMP-5	T	Water	3520C	
180-14634-12	FB-2	T	Water	3520C	
180-14634-13	TMP-3	T	Water	3520C	
Analysis Batch:180-49849					
LCS 180-49519/2-A	Lab Control Sample	T	Water	8270C LL	180-49519
LCSD 180-49519/3-A	Lab Control Sample Duplicate	T	Water	8270C LL	180-49519
MB 180-49519/1-A	Method Blank	T	Water	8270C LL	180-49519
180-14634-2	MW-104	T	Water	8270C LL	180-49519
180-14634-3	MW-105	T	Water	8270C LL	180-49519
180-14634-4	MW-109	T	Water	8270C LL	180-49519
180-14634-6	MW-101	T	Water	8270C LL	180-49519
180-14634-7	MW-102	T	Water	8270C LL	180-49519
180-14634-11	TMP-5	T	Water	8270C LL	180-49519
180-14634-12	FB-2	T	Water	8270C LL	180-49519
180-14634-13	TMP-3	T	Water	8270C LL	180-49519
Analysis Batch:180-50044					
180-14634-3DL	MW-105	T	Water	8270C LL	180-49519
180-14634-5	MW-114	T	Water	8270C LL	180-49519
180-14634-8	MW-106	T	Water	8270C LL	180-49519

Report Basis

T = Total

Client: Science Applications International Corp

Job Number: 180-14634-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 180-50436					
LCS 180-50436/2-A	Lab Control Sample	T	Water	3010A	
MB 180-50436/1-A	Method Blank	T	Water	3010A	
180-14634-2	MW-104	T	Water	3010A	
180-14634-3	MW-105	T	Water	3010A	
180-14634-4	MW-109	T	Water	3010A	
180-14634-5	MW-114	T	Water	3010A	
180-14634-6	MW-101	T	Water	3010A	
180-14634-7	MW-102	T	Water	3010A	
180-14634-8	MW-106	T	Water	3010A	
180-14634-9	MW-110	T	Water	3010A	
180-14634-11	TMP-5	T	Water	3010A	
180-14634-11MS	Matrix Spike	T	Water	3010A	
180-14634-11MSD	Matrix Spike Duplicate	T	Water	3010A	
180-14634-12	FB-2	T	Water	3010A	
180-14634-13	TMP-3	T	Water	3010A	
Prep Batch: 180-50670					
LCS 180-50670/2-A	Lab Control Sample	R	Water	3005A	
MB 180-50670/1-A	Method Blank	R	Water	3005A	
180-14634-2	MW-104	D	Water	3005A	
180-14634-2MS	Matrix Spike	D	Water	3005A	
180-14634-2MSD	Matrix Spike Duplicate	D	Water	3005A	
180-14634-3	MW-105	D	Water	3005A	
180-14634-4	MW-109	D	Water	3005A	
180-14634-5	MW-114	D	Water	3005A	
180-14634-6	MW-101	D	Water	3005A	
180-14634-7	MW-102	D	Water	3005A	
180-14634-8	MW-106	D	Water	3005A	
180-14634-9	MW-110	D	Water	3005A	
180-14634-11	TMP-5	D	Water	3005A	
180-14634-12	FB-2	D	Water	3005A	
180-14634-13	TMP-3	D	Water	3005A	

Client: Science Applications International Corp

Job Number: 180-14634-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:180-51644					
LCS 180-50436/2-A	Lab Control Sample	T	Water	6020A	180-50436
MB 180-50436/1-A	Method Blank	T	Water	6020A	180-50436
LCS 180-50670/2-A	Lab Control Sample	R	Water	6020A	180-50670
MB 180-50670/1-A	Method Blank	R	Water	6020A	180-50670
180-14634-2	MW-104	T	Water	6020A	180-50436
180-14634-2	MW-104	D	Water	6020A	180-50670
180-14634-2MS	Matrix Spike	D	Water	6020A	180-50670
180-14634-2MSD	Matrix Spike Duplicate	D	Water	6020A	180-50670
180-14634-3	MW-105	T	Water	6020A	180-50436
180-14634-3	MW-105	D	Water	6020A	180-50670
180-14634-4	MW-109	T	Water	6020A	180-50436
180-14634-4	MW-109	D	Water	6020A	180-50670
180-14634-5	MW-114	T	Water	6020A	180-50436
180-14634-5	MW-114	D	Water	6020A	180-50670
180-14634-6	MW-101	T	Water	6020A	180-50436
180-14634-6	MW-101	D	Water	6020A	180-50670
180-14634-7	MW-102	T	Water	6020A	180-50436
180-14634-7	MW-102	D	Water	6020A	180-50670
180-14634-8	MW-106	T	Water	6020A	180-50436
180-14634-8	MW-106	D	Water	6020A	180-50670
180-14634-9	MW-110	T	Water	6020A	180-50436
180-14634-9	MW-110	D	Water	6020A	180-50670
180-14634-11	TMP-5	T	Water	6020A	180-50436
180-14634-11MS	Matrix Spike	T	Water	6020A	180-50436
180-14634-11MSD	Matrix Spike Duplicate	T	Water	6020A	180-50436
180-14634-11	TMP-5	D	Water	6020A	180-50670
180-14634-12	FB-2	T	Water	6020A	180-50436
180-14634-12	FB-2	D	Water	6020A	180-50670
180-14634-13	TMP-3	T	Water	6020A	180-50436
180-14634-13	TMP-3	D	Water	6020A	180-50670

Report Basis

D = Dissolved

R = Total Recoverable

T = Total

Client: Science Applications International Corp

Job Number: 180-14634-1

Laboratory Chronicle

Lab ID: 180-14634-1 **Client ID:** TRIP BLANK

Sample Date/Time: 09/19/2012 00:00 Received Date/Time: 09/20/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	180-14634-A-1		180-50119		09/28/2012 13:15	1	TAL PIT	DF
A:8260B	180-14634-A-1		180-50119		09/28/2012 13:15	1	TAL PIT	DF

Lab ID: 180-14634-2 **Client ID:** MW-104

Sample Date/Time: 09/19/2012 08:30 Received Date/Time: 09/20/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	180-14634-F-2		180-50119		09/28/2012 13:39	250	TAL PIT	DF
A:8260B	180-14634-F-2		180-50119		09/28/2012 13:39	250	TAL PIT	DF
P:3520C	180-14634-B-2-A		180-49849	180-49519	09/25/2012 05:31	25	TAL PIT	BT
A:8270C LL	180-14634-B-2-A		180-49849	180-49519	09/26/2012 19:45	25	TAL PIT	VP
P:3005A	180-14634-C-2-A		180-51644	180-50670	10/03/2012 15:27	1	TAL PIT	CNS
A:6020A	180-14634-C-2-A		180-51644	180-50670	10/09/2012 20:33	1	TAL PIT	BR
P:3010A	180-14634-D-2-A		180-51644	180-50436	10/02/2012 09:24	1	TAL PIT	CH
A:6020A	180-14634-D-2-A		180-51644	180-50436	10/09/2012 22:06	1	TAL PIT	BR

Lab ID: 180-14634-2 MS **Client ID:** MW-104

Sample Date/Time: 09/19/2012 08:30 Received Date/Time: 09/20/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	180-14634-C-2-B MS		180-51644	180-50670	10/03/2012 15:27	1	TAL PIT	CNS
A:6020A	180-14634-C-2-B MS		180-51644	180-50670	10/09/2012 20:42	1	TAL PIT	BR

Lab ID: 180-14634-2 MSD **Client ID:** MW-104

Sample Date/Time: 09/19/2012 08:30 Received Date/Time: 09/20/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	180-14634-C-2-C MSD		180-51644	180-50670	10/03/2012 15:27	1	TAL PIT	CNS
A:6020A	180-14634-C-2-C MSD		180-51644	180-50670	10/09/2012 20:46	1	TAL PIT	BR

Lab ID: 180-14634-2 SD **Client ID:** MW-104

Sample Date/Time: 09/19/2012 08:30 Received Date/Time: 09/20/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	180-14634-C-2-A SD ^5		180-51644	180-50670	10/03/2012 15:27	5	TAL PIT	CNS
A:6020A	180-14634-C-2-A SD ^5		180-51644	180-50670	10/09/2012 20:37	5	TAL PIT	BR

Client: Science Applications International Corp

Job Number: 180-14634-1

Laboratory Chronicle

Lab ID: 180-14634-3 **Client ID:** MW-105

Sample Date/Time: 09/19/2012 09:20 Received Date/Time: 09/20/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	180-14634-F-3		180-50119		09/28/2012 14:03	2	TAL PIT	DF
A:8260B	180-14634-F-3		180-50119		09/28/2012 14:03	2	TAL PIT	DF
P:3520C	180-14634-B-3-A		180-49849	180-49519	09/25/2012 05:31	1	TAL PIT	BT
A:8270C LL	180-14634-B-3-A		180-49849	180-49519	09/26/2012 20:09	1	TAL PIT	VP
P:3520C	180-14634-B-3-A	DL	180-50044	180-49519	09/25/2012 05:31	10	TAL PIT	BT
A:8270C LL	180-14634-B-3-A	DL	180-50044	180-49519	09/27/2012 15:41	10	TAL PIT	VP
P:3005A	180-14634-C-3-A		180-51644	180-50670	10/03/2012 15:27	1	TAL PIT	CNS
A:6020A	180-14634-C-3-A		180-51644	180-50670	10/09/2012 20:53	1	TAL PIT	BR
P:3010A	180-14634-D-3-A		180-51644	180-50436	10/02/2012 09:24	1	TAL PIT	CH
A:6020A	180-14634-D-3-A		180-51644	180-50436	10/09/2012 22:10	1	TAL PIT	BR

Lab ID: 180-14634-4 **Client ID:** MW-109

Sample Date/Time: 09/19/2012 10:30 Received Date/Time: 09/20/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	180-14634-G-4		180-50119		09/28/2012 14:27	1	TAL PIT	DF
A:8260B	180-14634-G-4		180-50119		09/28/2012 14:27	1	TAL PIT	DF
P:3520C	180-14634-B-4-A		180-49849	180-49519	09/25/2012 05:31	1	TAL PIT	BT
A:8270C LL	180-14634-B-4-A		180-49849	180-49519	09/26/2012 20:33	1	TAL PIT	VP
P:3005A	180-14634-C-4-A		180-51644	180-50670	10/03/2012 15:27	1	TAL PIT	CNS
A:6020A	180-14634-C-4-A		180-51644	180-50670	10/09/2012 20:58	1	TAL PIT	BR
P:3010A	180-14634-D-4-A		180-51644	180-50436	10/02/2012 09:24	1	TAL PIT	CH
A:6020A	180-14634-D-4-A		180-51644	180-50436	10/09/2012 22:29	1	TAL PIT	BR

Lab ID: 180-14634-5 **Client ID:** MW-114

Sample Date/Time: 09/19/2012 12:00 Received Date/Time: 09/20/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	180-14634-F-5		180-50119		09/28/2012 15:15	150	TAL PIT	DF
A:8260B	180-14634-F-5		180-50119		09/28/2012 15:15	150	TAL PIT	DF
P:3520C	180-14634-B-5-A		180-50044	180-49519	09/25/2012 05:31	20	TAL PIT	BT
A:8270C LL	180-14634-B-5-A		180-50044	180-49519	09/27/2012 16:05	20	TAL PIT	VP
P:3005A	180-14634-C-5-A		180-51644	180-50670	10/03/2012 15:27	1	TAL PIT	CNS
A:6020A	180-14634-C-5-A		180-51644	180-50670	10/09/2012 21:02	1	TAL PIT	BR
P:3010A	180-14634-D-5-A		180-51644	180-50436	10/02/2012 09:24	1	TAL PIT	CH
A:6020A	180-14634-D-5-A		180-51644	180-50436	10/09/2012 22:34	1	TAL PIT	BR

Client: Science Applications International Corp

Job Number: 180-14634-1

Laboratory Chronicle

Lab ID: 180-14634-6 **Client ID:** MW-101

Sample Date/Time: 09/19/2012 08:20 Received Date/Time: 09/20/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	180-14634-E-6		180-50119		09/28/2012 15:39	1	TAL PIT	DF
A:8260B	180-14634-E-6		180-50119		09/28/2012 15:39	1	TAL PIT	DF
P:3520C	180-14634-B-6-A		180-49849	180-49519	09/25/2012 05:31	1	TAL PIT	BT
A:8270C LL	180-14634-B-6-A		180-49849	180-49519	09/26/2012 21:21	1	TAL PIT	VP
P:3005A	180-14634-D-6-A		180-51644	180-50670	10/03/2012 15:27	1	TAL PIT	CNS
A:6020A	180-14634-D-6-A		180-51644	180-50670	10/09/2012 21:06	1	TAL PIT	BR
P:3010A	180-14634-C-6-A		180-51644	180-50436	10/02/2012 09:24	1	TAL PIT	CH
A:6020A	180-14634-C-6-A		180-51644	180-50436	10/09/2012 22:38	1	TAL PIT	BR

Lab ID: 180-14634-7 **Client ID:** MW-102

Sample Date/Time: 09/19/2012 10:45 Received Date/Time: 09/20/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	180-14634-G-7		180-50119		09/28/2012 16:03	1	TAL PIT	DF
A:8260B	180-14634-G-7		180-50119		09/28/2012 16:03	1	TAL PIT	DF
P:3520C	180-14634-B-7-A		180-49849	180-49519	09/25/2012 05:31	1	TAL PIT	BT
A:8270C LL	180-14634-B-7-A		180-49849	180-49519	09/26/2012 21:44	1	TAL PIT	VP
P:3005A	180-14634-D-7-A		180-51644	180-50670	10/03/2012 15:27	1	TAL PIT	CNS
A:6020A	180-14634-D-7-A		180-51644	180-50670	10/09/2012 21:25	1	TAL PIT	BR
P:3010A	180-14634-C-7-A		180-51644	180-50436	10/02/2012 09:24	1	TAL PIT	CH
A:6020A	180-14634-C-7-A		180-51644	180-50436	10/09/2012 22:42	1	TAL PIT	BR

Lab ID: 180-14634-8 **Client ID:** MW-106

Sample Date/Time: 09/19/2012 12:25 Received Date/Time: 09/20/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	180-14634-G-8		180-50119		09/28/2012 16:28	100	TAL PIT	DF
A:8260B	180-14634-G-8		180-50119		09/28/2012 16:28	100	TAL PIT	DF
P:3520C	180-14634-B-8-A		180-50044	180-49519	09/25/2012 05:31	5	TAL PIT	BT
A:8270C LL	180-14634-B-8-A		180-50044	180-49519	09/27/2012 16:30	5	TAL PIT	VP
P:3005A	180-14634-D-8-A		180-51644	180-50670	10/03/2012 15:27	1	TAL PIT	CNS
A:6020A	180-14634-D-8-A		180-51644	180-50670	10/09/2012 21:29	1	TAL PIT	BR
P:3010A	180-14634-C-8-A		180-51644	180-50436	10/02/2012 09:24	1	TAL PIT	CH
A:6020A	180-14634-C-8-A		180-51644	180-50436	10/09/2012 22:47	1	TAL PIT	BR

Client: Science Applications International Corp

Job Number: 180-14634-1

Laboratory Chronicle

Lab ID: 180-14634-9 **Client ID:** MW-110

Sample Date/Time: 09/19/2012 13:00 Received Date/Time: 09/20/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	180-14634-G-9		180-50323		10/01/2012 14:16	1	TAL PIT	DF
A:8260B	180-14634-G-9		180-50323		10/01/2012 14:16	1	TAL PIT	DF
P:3005A	180-14634-D-9-A		180-51644	180-50670	10/03/2012 15:27	1	TAL PIT	CNS
A:6020A	180-14634-D-9-A		180-51644	180-50670	10/09/2012 21:34	1	TAL PIT	BR
P:3010A	180-14634-C-9-A		180-51644	180-50436	10/02/2012 09:24	1	TAL PIT	CH
A:6020A	180-14634-C-9-A		180-51644	180-50436	10/09/2012 22:51	1	TAL PIT	BR

Lab ID: 180-14634-10 **Client ID:** TMP-1

Sample Date/Time: 09/19/2012 12:05 Received Date/Time: 09/20/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	180-14634-A-10		180-50119		09/28/2012 16:52	1	TAL PIT	DF
A:8260B	180-14634-A-10		180-50119		09/28/2012 16:52	1	TAL PIT	DF

Lab ID: 180-14634-11 **Client ID:** TMP-5

Sample Date/Time: 09/19/2012 12:30 Received Date/Time: 09/20/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	180-14634-E-11		180-50119		09/28/2012 17:16	1	TAL PIT	DF
A:8260B	180-14634-E-11		180-50119		09/28/2012 17:16	1	TAL PIT	DF
P:3520C	180-14634-B-11-A		180-49849	180-49519	09/25/2012 05:31	1	TAL PIT	BT
A:8270C LL	180-14634-B-11-A		180-49849	180-49519	09/26/2012 22:32	1	TAL PIT	VP
P:3005A	180-14634-D-11-A		180-51644	180-50670	10/03/2012 15:27	1	TAL PIT	CNS
A:6020A	180-14634-D-11-A		180-51644	180-50670	10/09/2012 21:38	1	TAL PIT	BR
P:3010A	180-14634-C-11-A		180-51644	180-50436	10/02/2012 09:24	1	TAL PIT	CH
A:6020A	180-14634-C-11-A		180-51644	180-50436	10/09/2012 23:00	1	TAL PIT	BR

Lab ID: 180-14634-11 MS **Client ID:** TMP-5

Sample Date/Time: 09/19/2012 12:30 Received Date/Time: 09/20/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	180-14634-C-11-B MS		180-51644	180-50436	10/02/2012 09:24	1	TAL PIT	CH
A:6020A	180-14634-C-11-B MS		180-51644	180-50436	10/09/2012 23:08	1	TAL PIT	BR

Client: Science Applications International Corp

Job Number: 180-14634-1

Laboratory Chronicle

Lab ID: **180-14634-11 MSD** **Client ID:** **TMP-5**

Sample Date/Time: 09/19/2012 12:30 Received Date/Time: 09/20/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	180-14634-C-11-C MSD		180-51644	180-50436	10/02/2012 09:24	1	TAL PIT	CH
A:6020A	180-14634-C-11-C MSD		180-51644	180-50436	10/09/2012 23:27	1	TAL PIT	BR

Lab ID: **180-14634-11 SD** **Client ID:** **TMP-5**

Sample Date/Time: 09/19/2012 12:30 Received Date/Time: 09/20/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	180-14634-C-11-A SD ^5		180-51644	180-50436	10/02/2012 09:24	5	TAL PIT	CH
A:6020A	180-14634-C-11-A SD ^5		180-51644	180-50436	10/09/2012 23:04	5	TAL PIT	BR

Lab ID: **180-14634-12** **Client ID:** **FB-2**

Sample Date/Time: 09/19/2012 11:30 Received Date/Time: 09/20/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	180-14634-E-12		180-50119		09/28/2012 14:51	1	TAL PIT	DF
A:8260B	180-14634-E-12		180-50119		09/28/2012 14:51	1	TAL PIT	DF
P:3520C	180-14634-B-12-A		180-49849	180-49519	09/25/2012 05:31	1	TAL PIT	BT
A:8270C LL	180-14634-B-12-A		180-49849	180-49519	09/26/2012 22:55	1	TAL PIT	VP
P:3005A	180-14634-D-12-A		180-51644	180-50670	10/03/2012 15:27	1	TAL PIT	CNS
A:6020A	180-14634-D-12-A		180-51644	180-50670	10/09/2012 21:42	1	TAL PIT	BR
P:3010A	180-14634-C-12-A		180-51644	180-50436	10/02/2012 09:24	1	TAL PIT	CH
A:6020A	180-14634-C-12-A		180-51644	180-50436	10/09/2012 23:32	1	TAL PIT	BR

Lab ID: **180-14634-13** **Client ID:** **TMP-3**

Sample Date/Time: 09/19/2012 14:20 Received Date/Time: 09/20/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	180-14634-E-13		180-50119		09/28/2012 17:40	1	TAL PIT	DF
A:8260B	180-14634-E-13		180-50119		09/28/2012 17:40	1	TAL PIT	DF
P:3520C	180-14634-B-13-A		180-49849	180-49519	09/25/2012 05:34	1	TAL PIT	BT
A:8270C LL	180-14634-B-13-A		180-49849	180-49519	09/26/2012 23:19	1	TAL PIT	VP
P:3005A	180-14634-D-13-A		180-51644	180-50670	10/03/2012 15:27	1	TAL PIT	CNS
A:6020A	180-14634-D-13-A		180-51644	180-50670	10/09/2012 21:47	1	TAL PIT	BR
P:3010A	180-14634-C-13-A		180-51644	180-50436	10/02/2012 09:24	1	TAL PIT	CH
A:6020A	180-14634-C-13-A		180-51644	180-50436	10/09/2012 23:36	1	TAL PIT	BR

Client: Science Applications International Corp

Job Number: 180-14634-1

Laboratory Chronicle

Lab ID: **MB** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 180-50119/4		180-50119		09/28/2012 11:01	1	TAL PIT	DF
A:8260B	MB 180-50119/4		180-50119		09/28/2012 11:01	1	TAL PIT	DF
P:5030B	MB 180-50323/4		180-50323		10/01/2012 10:17	1	TAL PIT	DF
A:8260B	MB 180-50323/4		180-50323		10/01/2012 10:17	1	TAL PIT	DF
P:3520C	MB 180-49519/1-A		180-49849	180-49519	09/25/2012 05:31	1	TAL PIT	BT
A:8270C LL	MB 180-49519/1-A		180-49849	180-49519	09/26/2012 13:47	1	TAL PIT	VP
P:3005A	MB 180-50670/1-A		180-51644	180-50670	10/03/2012 15:27	1	TAL PIT	CNS
A:6020A	MB 180-50670/1-A		180-51644	180-50670	10/09/2012 20:21	1	TAL PIT	BR
P:3010A	MB 180-50436/1-A		180-51644	180-50436	10/02/2012 09:24	1	TAL PIT	CH
A:6020A	MB 180-50436/1-A		180-51644	180-50436	10/09/2012 21:55	1	TAL PIT	BR

Lab ID: **LCS** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 180-50119/5		180-50119		09/28/2012 12:03	1	TAL PIT	DF
A:8260B	LCS 180-50119/5		180-50119		09/28/2012 12:03	1	TAL PIT	DF
P:5030B	LCS 180-50323/5		180-50323		10/01/2012 10:41	1	TAL PIT	DF
A:8260B	LCS 180-50323/5		180-50323		10/01/2012 10:41	1	TAL PIT	DF
P:3520C	LCS 180-49519/2-A		180-49849	180-49519	09/25/2012 05:31	1	TAL PIT	BT
A:8270C LL	LCS 180-49519/2-A		180-49849	180-49519	09/26/2012 14:34	1	TAL PIT	VP
P:3005A	LCS 180-50670/2-A		180-51644	180-50670	10/03/2012 15:27	1	TAL PIT	CNS
A:6020A	LCS 180-50670/2-A		180-51644	180-50670	10/09/2012 20:26	1	TAL PIT	BR
P:3010A	LCS 180-50436/2-A		180-51644	180-50436	10/02/2012 09:24	1	TAL PIT	CH
A:6020A	LCS 180-50436/2-A		180-51644	180-50436	10/09/2012 21:59	1	TAL PIT	BR

Lab ID: **LCSD** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCSD 180-50119/6		180-50119		09/28/2012 12:27	1	TAL PIT	DF
A:8260B	LCSD 180-50119/6		180-50119		09/28/2012 12:27	1	TAL PIT	DF
P:5030B	LCSD 180-50323/6		180-50323		10/01/2012 11:05	1	TAL PIT	DF
A:8260B	LCSD 180-50323/6		180-50323		10/01/2012 11:05	1	TAL PIT	DF
P:3520C	LCSD 180-49519/3-A		180-49849	180-49519	09/25/2012 05:31	1	TAL PIT	BT
A:8270C LL	LCSD 180-49519/3-A		180-49849	180-49519	09/26/2012 14:57	1	TAL PIT	VP

Lab References:

TAL PIT = TestAmerica Pittsburgh

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MCCV1X_00027	11/04/12	10/04/12	DI Water, Lot K35N55	500 mL	MCALSPECAREV_00003	10 mL	Ag	0.1 ppm
							Al	0.5 ppm
							Arsenic	0.1 ppm
							Barium	0.1 ppm
							Be	0.1 ppm
							Ca	50 ppm
							Cd	0.1 ppm
							Co	0.1 ppm
							Cr	0.1 ppm
							Cu	0.1 ppm
							Iron	25 ppm
							K	50 ppm
							Lead	0.1 ppm
							Manganese	0.5 ppm
							Mg	50 ppm
							Na	50 ppm
							Ni	0.1 ppm
							Se	0.1 ppm
							Sr	0.1 ppm
							Tl	0.1 ppm
							Vanadium	0.1 ppm
							Zn	0.1 ppm
					MCALSPECB_00004	10 mL	B	0.1 ppm
							Mo	0.1 ppm
							Sb	0.1 ppm
							Si	5 ppm
							SiO2	10.7 ppm
							Sn	0.1 ppm
							Ti	0.1 ppm
.MCALSPECAREV_00003	04/01/13	Inorganic Ventures, Lot F2-MEB415031			(Purchased Reagent)		Ag	5 ppm
							Al	25 ppm
							Arsenic	5 ppm
							Barium	5 ppm
							Be	5 ppm
							Ca	2500 ppm
							Cd	5 ppm
							Co	5 ppm
							Cr	5 ppm
							Cu	5 ppm
							Iron	1250 ppm
							K	2500 ppm
							Lead	5 ppm
							Manganese	25 ppm
							Mg	2500 ppm
							Na	2500 ppm
							Ni	5 ppm
							Se	5 ppm
							Sr	5 ppm
							Tl	5 ppm
							Vanadium	5 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Zn	5 ppm
.MCALSPECB_00004	04/01/13	Inorganic Ventures, Lot F2-MEB415032			(Purchased Reagent)		B	5 ppm
							Mo	5 ppm
							Sb	5 ppm
							Si	250 ppm
							SiO2	535 ppm
							Sn	5 ppm
							Ti	5 ppm
MCRIX_00019	10/22/12	09/22/12	HNO3, Lot K09N65	250 mL	MMSCRI-1B_00001	1 mL	Arsenic	0.001 ppm
							Barium	0.01 ppm
							Iron	0.05 ppm
							Lead	0.001 ppm
							Manganese	0.005 ppm
							Vanadium	0.001 ppm
.MMSCRI-1B_00001	11/01/12	Inorganic Ventures, Lot E2-MEB391155			(Purchased Reagent)		Arsenic	0.25 ppm
							Barium	2.5 ppm
							Iron	12.5 ppm
							Lead	0.25 ppm
							Manganese	1.25 ppm
							Vanadium	0.25 ppm
MICSABX_00022	10/27/12	09/27/12	DI Water, Lot J38N82	100 mL	M6020ICS-0A_00002	10 mL	Al	100 ppm
							Ca	100 ppm
							Iron	100 ppm
							K	100 ppm
							Mg	100 ppm
							Mo	2 ppm
							Na	100 ppm
							Ti	2 ppm
					M6020ICS-0B_00003	1 mL	Ag	0.02 ppm
							Arsenic	0.02 ppm
							Cd	0.02 ppm
							Co	0.02 ppm
							Cr	0.02 ppm
							Cu	0.02 ppm
							Manganese	0.0225 ppm
							Ni	0.02 ppm
							Zn	0.025 ppm
					MMSICSAB-1_00004	0.2 mL	Barium	0.02 ppm
							Be	0.02 ppm
							Lead	0.02 ppm
							Sr	0.02 ppm
							Tl	0.02 ppm
							Vanadium	0.02 ppm
					MMSICSAB-2_00004	0.2 mL	B	0.05 ppm
							Sb	0.02 ppm
							Se	0.05 ppm
							Si	0.5 ppm
							Sn	0.1 ppm
.M6020ICS-0A_00002	11/01/12	Inorganic Ventures, Lot E2-MEB371022			(Purchased Reagent)		Al	1000 ppm
							Ca	1000 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Iron	1000 ppm
							K	1000 ppm
							Mg	1000 ppm
							Mo	20 ppm
							Na	1000 ppm
							Ti	20 ppm
.M6020ICS-0B_00003	11/01/12	Inorganic Ventures, Lot E2-MEB369155			(Purchased Reagent)		Ag	2 ppm
							Arsenic	2 ppm
							Cd	2 ppm
							Co	2 ppm
							Cr	2 ppm
							Cu	2 ppm
							Manganese	2.25 ppm
							Ni	2 ppm
							Zn	2.5 ppm
.MMSICSAB-1_00004	04/01/13	Inorganic Ventures, Lot F2-MEB415033			(Purchased Reagent)		Barium	10 ppm
							Be	10 ppm
							Lead	10 ppm
							Sr	10 ppm
							Tl	10 ppm
							Vanadium	10 ppm
.MMSICSAB-2_00004	04/01/13	Inorganic Ventures, Lot F2-MEB361116			(Purchased Reagent)		B	25 ppm
							Sb	10 ppm
							Se	25 ppm
							Si	250 ppm
							Sn	50 ppm
MICSAX_00019	10/27/12	09/27/12	DI Water, Lot J38N82	100 mL	M6020ICS-0A_00002	10 mL	Al	100 ppm
							Ca	100 ppm
							Iron	100 ppm
							K	100 ppm
							Mg	100 ppm
							Mo	2 ppm
							Na	100 ppm
							Ti	2 ppm
.M6020ICS-0A_00002	11/01/12	Inorganic Ventures, Lot E2-MEB371022			(Purchased Reagent)		Al	1000 ppm
							Ca	1000 ppm
							Iron	1000 ppm
							K	1000 ppm
							Mg	1000 ppm
							Mo	20 ppm
							Na	1000 ppm
							Ti	20 ppm
MICVX_00001	10/22/12	09/22/12	2% Nitric Acid, Lot K09N65	250 mg/L	MICPMSICV_00005	10 mg/L	Ag	0.08 mg/L
							Al	0.4 mg/L
							Arsenic	0.08 mg/L
							Barium	0.08 mg/L
							Be	0.08 mg/L
							Ca	40 mg/L
							Cd	0.08 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Co	0.08 mg/L
							Cr	0.08 mg/L
							Cu	0.08 mg/L
							Iron	20 mg/L
							K	40 mg/L
							Lead	0.08 mg/L
							Manganese	0.4 mg/L
							Mg	40 mg/L
							Na	40 mg/L
							Ni	0.08 mg/L
							Sb	0.08 mg/L
							Se	0.08 mg/L
							Tl	0.08 mg/L
							Vanadium	0.08 mg/L
							Zn	0.08 mg/L
.MICPMSICV_00005	12/30/12	SPEX CertiPrep, Lot 26-209JB			(Purchased Reagent)		Ag	2 ppm
							Al	10 ppm
							Arsenic	2 ppm
							Barium	2 ppm
							Be	2 ppm
							Ca	1000 ppm
							Cd	2 ppm
							Co	2 ppm
							Cr	2 ppm
							Cu	2 ppm
							Iron	500 ppm
							K	1000 ppm
							Lead	2 ppm
							Manganese	10 ppm
							Mg	1000 ppm
							Na	1000 ppm
							Ni	2 ppm
							Sb	2 ppm
							Se	2 ppm
							Tl	2 ppm
							Vanadium	2 ppm
							Zn	2 ppm
MSTD2X_00014	11/04/12	10/04/12	DI Water, Lot K35N55	250 mL	MCALSPECAREV_00003	10 mL	Arsenic	0.2 ppm
							Barium	0.2 ppm
							Iron	50 ppm
							Lead	0.2 ppm
							Manganese	1 ppm
							Vanadium	0.2 ppm
.MCALSPECAREV_00003	04/01/13	Inorganic Ventures, Lot F2-MEB415031			(Purchased Reagent)		Arsenic	5 ppm
							Barium	5 ppm
							Iron	1250 ppm
							Lead	5 ppm
							Manganese	25 ppm
							Vanadium	5 ppm
MTAPITTICPMS_00009	07/01/13	INORGANIC VENTURES, Lot F2-MEB410066			(Purchased Reagent)		Ag	5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Al	200 ug/mL
							Arsenic	4 ug/mL
							B	100 ug/mL
							Barium	200 ug/mL
							Be	5 ug/mL
							Cd	5 ug/mL
							Co	50 ug/mL
							Cr	20 ug/mL
							Cu	25 ug/mL
							Iron	100 ug/mL
							Lead	2 ug/mL
							Manganese	50 ug/mL
							Ni	50 ug/mL
							Se	1 ug/mL
							Sr	100 ug/mL
							Tl	5 ug/mL
							Vanadium	50 ug/mL
							Zn	50 ug/mL
MTAPITTMSA_00009	09/01/13	INORGANIC VENTURES, Lot F2-MEB429043MCA			(Purchased Reagent)		Ca	5000 ug/mL
							K	5000 ug/mL
							Mg	5000 ug/mL
							Na	5000 ug/mL
MTAPITTMSC_00014	09/01/13	Inorganic Ventures, Lot F2-MEB427091			(Purchased Reagent)		Mo	100 ug/mL
							Sb	50 ug/mL
							Si	1000 ug/mL
							SiO2	2140 ug/mL
							Sn	200 ug/mL
							Ti	100 ug/mL
OPDODADNLSPKs_00003	09/30/12	Restek, Lot A086962			(Purchased Reagent)		1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,4-Dioxane	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							2-Naphthylamine	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Acetophenone	200 ug/mL
							Benzaldehyde	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
							Indene	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
OPHC8270SPKs_00026	07/31/13	Supelco, Lot LB93750			(Purchased Reagent)		1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Dinitrobenzene	200 ug/mL
							1,2-Diphenylhydrazine	200 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1,4-Dinitrobenzene	200 ug/mL
							1-Methylnaphthalene	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,3,5,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	400 ug/mL
							3,3'-Dichlorobenzidine	200 ug/mL
							3-Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzoic acid	200 ug/mL
							Benzyl alcohol	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Bis-2-ethylhexyl adipate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							Methyl Phenols,Total	600 ug/mL
							Methylphenol, 3 & 4	400 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
							Total Cresols	600 ug/mL
OPQL-8270SURi_00037	02/23/13	08/13/12	Methanol, Lot DG256	500 mL	OPABSURRSPKs_00012	100 mL	1,2-Dichlorobenzene-d4	200 ug/mL
							2,4,6-Tribromophenol	300 ug/mL
							2-Chlorophenol-d4	300 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol	300 ug/mL
							Nitrobenzene-d5	200 ug/mL
							Phenol-d5	300 ug/mL
							Terphenyl-d14	200 ug/mL
.OPABSURRSPKs_00012	05/31/15	Supelco, Lot LB92759			(Purchased Reagent)		1,2-Dichlorobenzene-d4	1000 ug/mL
							2,4,6-Tribromophenol	1500 ug/mL
							2-Chlorophenol-d4	1500 ug/mL
							2-Fluorobiphenyl	1000 ug/mL
							2-Fluorophenol	1500 ug/mL
							Nitrobenzene-d5	1000 ug/mL
							Phenol-d5	1500 ug/mL
							Terphenyl-d14	1000 ug/mL
SVATRAZINEs_00017	03/31/14	Restek, Lot A087095			(Purchased Reagent)		Atrazine	200 ug/mL
SVLLSSTD0.4i_00010	12/12/12	07/30/12	MeCl2, Lot 480019	1 mL	SV24DINITPOHi_00004	0.008 mL	2,4-Dinitrophenol	1 ug/mL
					SV46DN2MPHOHi_00004	0.008 mL	4,6-Dinitro-2-methylphenol	1 ug/mL
					SV4NITPHOHi_00004	0.008 mL	4-Nitrophenol	1 ug/mL
					SVBENZOICACi_00005	0.008 mL	Benzoic acid	1 ug/mL
					SVLLSTOCKi_00008	0.005 mL	1-Methylnaphthalene	0.2 ug/mL
							2,3,4,6-Tetrachlorophenol	0.2 ug/mL
							2,3,5,6-Tetrachlorophenol	0.2 ug/mL
							2-Naphthylamine	0.2 ug/mL
							7,12-Dimethylbenz(a)anthracene	0.2 ug/mL
							Methyl methanesulfonate	0.2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4,5-Tetrachlorobenzene	0.2 ug/mL
							1,4-Dioxane	0.2 ug/mL
							2,6-Dichlorophenol	0.2 ug/mL
							2,4,6-Tribromophenol	0.2 ug/mL
							2-Fluorophenol	0.2 ug/mL
							Phenol-d5	0.2 ug/mL
							3,3'-Dichlorobenzidine	0.2 ug/mL
							Benzidine	0.2 ug/mL
							2-Fluorobiphenyl	0.2 ug/mL
							Nitrobenzene-d5	0.2 ug/mL
							Terphenyl-d14	0.2 ug/mL
							Aniline	0.2 ug/mL
							Benzoic acid	1 ug/mL
							Benzyl alcohol	0.2 ug/mL
							Pyridine	0.2 ug/mL
							1,1'-Biphenyl	0.2 ug/mL
							Acetophenone	0.2 ug/mL
							Atrazine	0.2 ug/mL
							Benzaldehyde	0.2 ug/mL
							Caprolactam	0.2 ug/mL
							1,2,4-Trichlorobenzene	0.2 ug/mL
							1,2-Dichlorobenzene	0.2 ug/mL
							1,2-Diphenylhydrazine	0.2 ug/mL
							1,3-Dichlorobenzene	0.2 ug/mL
							1,4-Dichlorobenzene	0.2 ug/mL
							2,2'-oxybis[1-chloropropane]	0.2 ug/mL
							2,4,5-Trichlorophenol	0.2 ug/mL
							2,4,6-Trichlorophenol	0.2 ug/mL
							2,4-Dichlorophenol	0.2 ug/mL
							2,4-Dimethylphenol	0.2 ug/mL
							2,4-Dinitrophenol	1 ug/mL
							2,4-Dinitrotoluene	0.2 ug/mL
							2,6-Dinitrotoluene	0.2 ug/mL
							2-Chloronaphthalene	0.2 ug/mL
							2-Chlorophenol	0.2 ug/mL
							2-Methylnaphthalene	0.2 ug/mL
							2-Methylphenol	0.2 ug/mL
							2-Nitroaniline	0.2 ug/mL
							2-Nitrophenol	0.2 ug/mL
							3-Nitroaniline	0.2 ug/mL
							4,6-Dinitro-2-methylphenol	1 ug/mL
							4-Bromophenyl phenyl ether	0.2 ug/mL
							4-Chloro-3-methylphenol	0.2 ug/mL
							4-Chloroaniline	0.2 ug/mL
							4-Chlorophenyl phenyl ether	0.2 ug/mL
							4-Nitroaniline	0.2 ug/mL
							4-Nitrophenol	1 ug/mL
							Acenaphthene	0.2 ug/mL
							Acenaphthylene	0.2 ug/mL
							Anthracene	0.2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]anthracene	0.2 ug/mL
							Benzo[a]pyrene	0.2 ug/mL
							Benzo[b]fluoranthene	0.2 ug/mL
							Benzo[g,h,i]perylene	0.2 ug/mL
							Benzo[k]fluoranthene	0.2 ug/mL
							Bis(2-chloroethoxy)methane	0.2 ug/mL
							Bis(2-chloroethyl)ether	0.2 ug/mL
							Bis(2-ethylhexyl) phthalate	0.2 ug/mL
							Butyl benzyl phthalate	0.2 ug/mL
							Carbazole	0.2 ug/mL
							Chrysene	0.2 ug/mL
							Di-n-butyl phthalate	0.2 ug/mL
							Di-n-octyl phthalate	0.2 ug/mL
							Dibenz(a,h)anthracene	0.2 ug/mL
							Dibenzofuran	0.2 ug/mL
							Diethyl phthalate	0.2 ug/mL
							Dimethyl phthalate	0.2 ug/mL
							Fluoranthene	0.2 ug/mL
							Fluorene	0.2 ug/mL
							Hexachlorobenzene	0.2 ug/mL
							Hexachlorobutadiene	0.2 ug/mL
							Hexachlorocyclopentadiene	0.2 ug/mL
							Hexachloroethane	0.2 ug/mL
							Indeno[1,2,3-cd]pyrene	0.2 ug/mL
							Isophorone	0.2 ug/mL
							Methylphenol, 3 & 4	0.2 ug/mL
							N-Nitrosodi-n-propylamine	0.2 ug/mL
							N-Nitrosodimethylamine	0.2 ug/mL
							Naphthalene	0.2 ug/mL
							Nitrobenzene	0.2 ug/mL
							Pentachlorophenol	1 ug/mL
							Phenanthrene	0.2 ug/mL
							Phenol	0.2 ug/mL
							Pyrene	0.2 ug/mL
							Indene	0.2 ug/mL
							N-Nitrosodiphenylamine	0.2 ug/mL
							N-Nitrosopyrrolidine	0.2 ug/mL
					SVPENTACHLPHi_00005	0.008 mL	Pentachlorophenol	1 ug/mL
					SVSIMINTERNi_00009	0.01 mL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
.SV24DINITPOHi_00004	12/12/12	07/30/12	MeCl2, Lot 480019	1 mL	SV24DINITPHNs_00001	0.1 mL	2,4-Dinitrophenol	100 ug/mL
..SV24DINITPHNs_00001	12/12/12	Absolute Standards, Lot 121207			(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
.SV46DN2MPHOHi_00004	01/30/13	07/30/12	MeCl2, Lot 480019	1 mL	SV46DN2MPHOHs_00001	0.1 mL	4,6-Dinitro-2-methylphenol	100 ug/mL
..SV46DN2MPHOHs_00001	01/27/15	Absolute Standards, Lot 012710			(Purchased Reagent)		4,6-Dinitro-2-methylphenol	1000 ug/mL
.SV4NITPHOHi_00004	01/31/13	07/30/12	MeCl2, Lot 480019	1 mL	SV4NITROPHOHs_00001	0.1 mL	4-Nitrophenol	100 ug/mL
..SV4NITROPHOHs_00001	03/08/15	Absolute Standards, Lot 03[illegible]			(Purchased Reagent)		4-Nitrophenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.SVBENZOICACi_00005	01/31/13	07/30/12	MeCl2, Lot 480019	1 mL	SVBENZOICACDs_00001	0.1 mL	Benzoic acid	100 ug/mL
..SVBENZOICACDs_00001	10/21/14	Absolute Standards, Lot 102109			(Purchased Reagent)		Benzoic acid	1000 ug/mL
.SVLLSTOCKi_00008	01/27/13	07/30/12	MeCl2, Lot 299751	10 mL	SV ADDON MIXs_00003	0.2 mL	1-Methylnaphthalene	40 ug/mL
							2,3,4,6-Tetrachlorophenol	40 ug/mL
							2,3,5,6-Tetrachlorophenol	40 ug/mL
							2-Naphthylamine	40 ug/mL
							7,12-Dimethylbenz(a)anthracene	40 ug/mL
							Methyl methanesulfonate	40 ug/mL
					SV1245TCBENZs_00001	0.4 mL	1,2,4,5-Tetrachlorobenzene	40 ug/mL
					SV14DIOXANEs_00002	0.2 mL	1,4-Dioxane	40 ug/mL
					SV26DCPHENOLs_00001	0.08 mL	2,6-Dichlorophenol	40 ug/mL
					SVACIDSURMIXs_00001	0.2 mL	2,4,6-Tribromophenol	40 ug/mL
							2-Fluorophenol	40 ug/mL
							Phenol-d5	40 ug/mL
					SVBENZIDINEs_00008	0.2 mL	3,3'-Dichlorobenzidine	40 ug/mL
							Benzidine	40 ug/mL
					SVBNSURMIXs_00003	0.4 mL	2-Fluorobiphenyl	40 ug/mL
							Nitrobenzene-d5	40 ug/mL
							Terphenyl-d14	40 ug/mL
					SVCALIBMIX4s_00002	0.2 mL	Aniline	40 ug/mL
							Benzoic acid	40 ug/mL
							Benzyl alcohol	40 ug/mL
							Pyridine	40 ug/mL
					SVCLPOLM4MIXs_00003	0.2 mL	1,1'-Biphenyl	40 ug/mL
							Acetophenone	40 ug/mL
							Atrazine	40 ug/mL
							Benzaldehyde	40 ug/mL
							Caprolactam	40 ug/mL
					SVCLPSVMIXs_00005	0.4 mL	1,2,4-Trichlorobenzene	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Diphenylhydrazine	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							2,2'-oxybis[1-chloropropane]	40 ug/mL
							2,4,5-Trichlorophenol	40 ug/mL
							2,4,6-Trichlorophenol	40 ug/mL
							2,4-Dichlorophenol	40 ug/mL
							2,4-Dimethylphenol	40 ug/mL
							2,4-Dinitrophenol	40 ug/mL
							2,4-Dinitrotoluene	40 ug/mL
							2,6-Dinitrotoluene	40 ug/mL
							2-Chloronaphthalene	40 ug/mL
							2-Chlorophenol	40 ug/mL
							2-Methylnaphthalene	40 ug/mL
							2-Methylphenol	40 ug/mL
							2-Nitroaniline	40 ug/mL
							2-Nitrophenol	40 ug/mL
							3-Nitroaniline	40 ug/mL
							4,6-Dinitro-2-methylphenol	40 ug/mL
							4-Bromophenyl phenyl ether	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chloro-3-methylphenol	40 ug/mL
							4-Chloroaniline	40 ug/mL
							4-Chlorophenyl phenyl ether	40 ug/mL
							4-Nitroaniline	40 ug/mL
							4-Nitrophenol	40 ug/mL
							Acenaphthene	40 ug/mL
							Acenaphthylene	40 ug/mL
							Anthracene	40 ug/mL
							Benzo[a]anthracene	40 ug/mL
							Benzo[a]pyrene	40 ug/mL
							Benzo[b]fluoranthene	40 ug/mL
							Benzo[g,h,i]perylene	40 ug/mL
							Benzo[k]fluoranthene	40 ug/mL
							Bis(2-chloroethoxy)methane	40 ug/mL
							Bis(2-chloroethyl)ether	40 ug/mL
							Bis(2-ethylhexyl) phthalate	40 ug/mL
							Butyl benzyl phthalate	40 ug/mL
							Carbazole	40 ug/mL
							Chrysene	40 ug/mL
							Di-n-butyl phthalate	40 ug/mL
							Di-n-octyl phthalate	40 ug/mL
							Dibenz(a,h)anthracene	40 ug/mL
							Dibenzofuran	40 ug/mL
							Diethyl phthalate	40 ug/mL
							Dimethyl phthalate	40 ug/mL
							Fluoranthene	40 ug/mL
							Fluorene	40 ug/mL
							Hexachlorobenzene	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Hexachlorocyclopentadiene	40 ug/mL
							Hexachloroethane	40 ug/mL
							Indeno[1,2,3-cd]pyrene	40 ug/mL
							Isophorone	40 ug/mL
							Methylphenol, 3 & 4	40 ug/mL
							N-Nitrosodi-n-propylamine	40 ug/mL
							N-Nitrosodimethylamine	40 ug/mL
							Naphthalene	40 ug/mL
							Nitrobenzene	40 ug/mL
							Pentachlorophenol	40 ug/mL
							Phenanthrene	40 ug/mL
							Phenol	40 ug/mL
							Pyrene	40 ug/mL
					SVINDENEs_00010	0.4 mL	Indene	40 ug/mL
					SVNNDIPHENAMs_00002	0.08 mL	N-Nitrosodiphenylamine	40 ug/mL
					SVNNITROPYROs_00001	0.4 mL	N-Nitrosopyrrolidine	40 ug/mL
..SV ADDON MIXs_00003	01/31/13	Supelco, Lot LB 879735			(Purchased Reagent)		1-Methylnaphthalene	2000 ug/mL
							2,3,4,6-Tetrachlorophenol	2000 ug/mL
							2,3,5,6-Tetrachlorophenol	2000 ug/mL
							2-Naphthylamine	2000 ug/mL
							7,12-Dimethylbenz(a)anthracene	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl methanesulfonate	2000 ug/mL
..SV1245TCBENZs_00001	09/09/13	Absolute Standards, Lot 090908			(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
..SV14DIOXANEs_00002	10/31/16	Restek, Lot A077490			(Purchased Reagent)		1,4-Dioxane	2000 ug/mL
..SV26DCPHENOLs_00001	08/31/13	Supelco, Lot LB78166			(Purchased Reagent)		2,6-Dichlorophenol	5000 ug/mL
..SVACIDSURMIXs_00001	01/31/13	Ultra Scientific, Lot CF-5141			(Purchased Reagent)		2,4,6-Tribromophenol	2000 ug/mL
							2-Fluorophenol	2000 ug/mL
							Phenol-d5	2000 ug/mL
..SVBENZIDINEs_00008	01/27/13	Supelco, Lot LB79050			(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SVBNSURMIXs_00003	08/30/13	Ultra Scientific, Lot CG-2463			(Purchased Reagent)		2-Fluorobiphenyl	1000 ug/mL
							Nitrobenzene-d5	1000 ug/mL
							Terphenyl-d14	1000 ug/mL
..SVCALIBMIX4s_00002	11/30/14	Supelco, Lot LB88725			(Purchased Reagent)		Aniline	2000 ug/mL
							Benzoic acid	2000 ug/mL
							Benzyl alcohol	2000 ug/mL
							Pyridine	2000 ug/mL
..SVCLPOLM4MIXs_00003	04/30/13	Supelco, Lot LB73726			(Purchased Reagent)		1,1'-Biphenyl	2000 ug/mL
							Acetophenone	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SVCLPSVMIXs_00005	09/30/13	Supelco, Lot lb78428			(Purchased Reagent)		1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	1000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							Methylphenol, 3 & 4	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
..SVINDENEs_00010	10/10/13	Absolute Standards, Lot 101011			(Purchased Reagent)		Indene	1000 ug/mL
..SVNNDIPHENAMs_00002	06/30/13	Supelco, Lot LB76738			(Purchased Reagent)		N-Nitrosodiphenylamine	5000 ug/mL
..SVNNITROPYROs_00001	12/09/14	Absolute Standards, Lot 120909			(Purchased Reagent)		N-Nitrosopyrrolidine	1000 ug/mL
.SVPENTACHLPHi_00005	01/31/13	07/30/12	MeCl2, Lot 480019	1 mL	SVPENTCLPHENs_00001	0.1 mL	Pentachlorophenol	100 ug/mL
..SVPENTCLPHENs_00001	09/17/14	Absolute Standards, Lot 091709			(Purchased Reagent)		Pentachlorophenol	1000 ug/mL
.SVSIMINTERNi_00009	12/17/12	12/17/11	MeCl2, Lot 222635	10 mL	SVINTSTDMIXs_00002	2 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..SVINTSTDMIXs_00002	07/31/13	Supelco, Lot LB77211			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SVLLSSTD10i_00006	12/12/12	07/30/12	MeCl2, Lot 480019	1 mL	SV24DINITPOHi_00004	0.05 mL	2,4-Dinitrophenol	10 ug/mL
					SV46DN2MPHOHi_00004	0.05 mL	4,6-Dinitro-2-methylphenol	10 ug/mL
					SV4NITPHOHi_00004	0.05 mL	4-Nitrophenol	10 ug/mL
					SVBENZOICACi_00005	0.05 mL	Benzoic acid	10 ug/mL
					SVLLSTOCKi_00008	0.125 mL	1-Methylnaphthalene	5 ug/mL
							2,3,4,6-Tetrachlorophenol	5 ug/mL
							2,3,5,6-Tetrachlorophenol	5 ug/mL
							2-Naphthylamine	5 ug/mL
							7,12-Dimethylbenz(a)anthracene	5 ug/mL
							Methyl methanesulfonate	5 ug/mL
							1,2,4,5-Tetrachlorobenzene	5 ug/mL
							1,4-Dioxane	5 ug/mL
							2,6-Dichlorophenol	5 ug/mL
							2,4,6-Tribromophenol	5 ug/mL
							2-Fluorophenol	5 ug/mL
							Phenol-d5	5 ug/mL
							3,3'-Dichlorobenzidine	5 ug/mL
							Benzidine	5 ug/mL
							2-Fluorobiphenyl	5 ug/mL
							Nitrobenzene-d5	5 ug/mL
							Terphenyl-d14	5 ug/mL
							Aniline	5 ug/mL
							Benzoic acid	10 ug/mL
							Benzyl alcohol	5 ug/mL
							Pyridine	5 ug/mL
							1,1'-Biphenyl	5 ug/mL
							Acetophenone	5 ug/mL
							Atrazine	5 ug/mL
							Benzaldehyde	5 ug/mL
							Caprolactam	5 ug/mL
							1,2,4-Trichlorobenzene	5 ug/mL
							1,2-Dichlorobenzene	5 ug/mL
							1,2-Diphenylhydrazine	5 ug/mL
							1,3-Dichlorobenzene	5 ug/mL
							1,4-Dichlorobenzene	5 ug/mL
							2,2'-oxybis[1-chloropropane]	5 ug/mL
							2,4,5-Trichlorophenol	5 ug/mL
							2,4,6-Trichlorophenol	5 ug/mL
							2,4-Dichlorophenol	5 ug/mL
							2,4-Dimethylphenol	5 ug/mL
							2,4-Dinitrophenol	10 ug/mL
							2,4-Dinitrotoluene	5 ug/mL
							2,6-Dinitrotoluene	5 ug/mL
							2-Chloronaphthalene	5 ug/mL
							2-Chlorophenol	5 ug/mL
							2-Methylnaphthalene	5 ug/mL
							2-Methylphenol	5 ug/mL
							2-Nitroaniline	5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitrophenol	5 ug/mL
							3-Nitroaniline	5 ug/mL
							4,6-Dinitro-2-methylphenol	10 ug/mL
							4-Bromophenyl phenyl ether	5 ug/mL
							4-Chloro-3-methylphenol	5 ug/mL
							4-Chloroaniline	5 ug/mL
							4-Chlorophenyl phenyl ether	5 ug/mL
							4-Nitroaniline	5 ug/mL
							4-Nitrophenol	10 ug/mL
							Acenaphthene	5 ug/mL
							Acenaphthylene	5 ug/mL
							Anthracene	5 ug/mL
							Benzo[a]anthracene	5 ug/mL
							Benzo[a]pyrene	5 ug/mL
							Benzo[b]fluoranthene	5 ug/mL
							Benzo[g,h,i]perylene	5 ug/mL
							Benzo[k]fluoranthene	5 ug/mL
							Bis(2-chloroethoxy)methane	5 ug/mL
							Bis(2-chloroethyl)ether	5 ug/mL
							Bis(2-ethylhexyl) phthalate	5 ug/mL
							Butyl benzyl phthalate	5 ug/mL
							Carbazole	5 ug/mL
							Chrysene	5 ug/mL
							Di-n-butyl phthalate	5 ug/mL
							Di-n-octyl phthalate	5 ug/mL
							Dibenz(a,h)anthracene	5 ug/mL
							Dibenzofuran	5 ug/mL
							Diethyl phthalate	5 ug/mL
							Dimethyl phthalate	5 ug/mL
							Fluoranthene	5 ug/mL
							Fluorene	5 ug/mL
							Hexachlorobenzene	5 ug/mL
							Hexachlorobutadiene	5 ug/mL
							Hexachlorocyclopentadiene	5 ug/mL
							Hexachloroethane	5 ug/mL
							Indeno[1,2,3-cd]pyrene	5 ug/mL
							Isophorone	5 ug/mL
							Methylphenol, 3 & 4	5 ug/mL
							N-Nitrosodi-n-propylamine	5 ug/mL
							N-Nitrosodimethylamine	5 ug/mL
							Naphthalene	5 ug/mL
							Nitrobenzene	5 ug/mL
							Pentachlorophenol	10 ug/mL
							Phenanthrene	5 ug/mL
							Phenol	5 ug/mL
							Pyrene	5 ug/mL
							Indene	5 ug/mL
							N-Nitrosodiphenylamine	5 ug/mL
							N-Nitrosopyrrolidine	5 ug/mL
					SPPHMIXALPHi_00005	0.05 mL	Pentachlorophenol	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					SVSIMINTERNi_00009	0.01 mL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
.SV24DINITPOHi_00004	12/12/12	07/30/12	MeCl2, Lot 480019	1 mL	SV24DINITPHNs_00001	0.1 mL	2,4-Dinitrophenol	100 ug/mL
..SV24DINITPHNs_00001	12/12/12	Absolute Standards, Lot 121207			(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
.SV46DN2MPHOHi_00004	01/30/13	07/30/12	MeCl2, Lot 480019	1 mL	SV46DN2MPHOHs_00001	0.1 mL	4,6-Dinitro-2-methylphenol	100 ug/mL
..SV46DN2MPHOHs_00001	01/27/15	Absolute Standards, Lot 012710			(Purchased Reagent)		4,6-Dinitro-2-methylphenol	1000 ug/mL
.SV4NITPHOHi_00004	01/31/13	07/30/12	MeCl2, Lot 480019	1 mL	SV4NITROPHOHs_00001	0.1 mL	4-Nitrophenol	100 ug/mL
..SV4NITROPHOHs_00001	03/08/15	Absolute Standards, Lot 030810			(Purchased Reagent)		4-Nitrophenol	1000 ug/mL
.SVBENZOICACi_00005	01/31/13	07/30/12	MeCl2, Lot 480019	1 mL	SVBENZOICACDs_00001	0.1 mL	Benzoic acid	100 ug/mL
..SVBENZOICACDs_00001	10/21/14	Absolute Standards, Lot 102109			(Purchased Reagent)		Benzoic acid	1000 ug/mL
.SVLLSTOCKi_00008	01/27/13	07/30/12	MeCl2, Lot 299751	10 mL	SV ADDON MIXs_00003	0.2 mL	1-Methylnaphthalene	40 ug/mL
							2,3,4,6-Tetrachlorophenol	40 ug/mL
							2,3,5,6-Tetrachlorophenol	40 ug/mL
							2-Naphthylamine	40 ug/mL
							7,12-Dimethylbenz(a)anthracene	40 ug/mL
							Methyl methanesulfonate	40 ug/mL
					SV1245TCBENZs_00001	0.4 mL	1,2,4,5-Tetrachlorobenzene	40 ug/mL
					SV14DIOXANEs_00002	0.2 mL	1,4-Dioxane	40 ug/mL
					SV26DCPHENOLs_00001	0.08 mL	2,6-Dichlorophenol	40 ug/mL
					SVACIDSURMIXs_00001	0.2 mL	2,4,6-Tribromophenol	40 ug/mL
							2-Fluorophenol	40 ug/mL
							Phenol-d5	40 ug/mL
					SVBENZIDINEs_00008	0.2 mL	3,3'-Dichlorobenzidine	40 ug/mL
							Benzidine	40 ug/mL
					SVBNSURMIXs_00003	0.4 mL	2-Fluorobiphenyl	40 ug/mL
							Nitrobenzene-d5	40 ug/mL
							Terphenyl-d14	40 ug/mL
					SVCALIBMIX4s_00002	0.2 mL	Aniline	40 ug/mL
							Benzoic acid	40 ug/mL
							Benzyl alcohol	40 ug/mL
							Pyridine	40 ug/mL
					SVCLPOLM4MIXs_00003	0.2 mL	1,1'-Biphenyl	40 ug/mL
							Acetophenone	40 ug/mL
							Atrazine	40 ug/mL
							Benzaldehyde	40 ug/mL
							Caprolactam	40 ug/mL
					SVCLPSVMIXs_00005	0.4 mL	1,2,4-Trichlorobenzene	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Diphenylhydrazine	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							2,2'-oxybis[1-chloropropane]	40 ug/mL
							2,4,5-Trichlorophenol	40 ug/mL
							2,4,6-Trichlorophenol	40 ug/mL
							2,4-Dichlorophenol	40 ug/mL
							2,4-Dimethylphenol	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrophenol	40 ug/mL
							2,4-Dinitrotoluene	40 ug/mL
							2,6-Dinitrotoluene	40 ug/mL
							2-Chloronaphthalene	40 ug/mL
							2-Chlorophenol	40 ug/mL
							2-Methylnaphthalene	40 ug/mL
							2-Methylphenol	40 ug/mL
							2-Nitroaniline	40 ug/mL
							2-Nitrophenol	40 ug/mL
							3-Nitroaniline	40 ug/mL
							4,6-Dinitro-2-methylphenol	40 ug/mL
							4-Bromophenyl phenyl ether	40 ug/mL
							4-Chloro-3-methylphenol	40 ug/mL
							4-Chloroaniline	40 ug/mL
							4-Chlorophenyl phenyl ether	40 ug/mL
							4-Nitroaniline	40 ug/mL
							4-Nitrophenol	40 ug/mL
							Acenaphthene	40 ug/mL
							Acenaphthylene	40 ug/mL
							Anthracene	40 ug/mL
							Benzo[a]anthracene	40 ug/mL
							Benzo[a]pyrene	40 ug/mL
							Benzo[b]fluoranthene	40 ug/mL
							Benzo[g,h,i]perylene	40 ug/mL
							Benzo[k]fluoranthene	40 ug/mL
							Bis(2-chloroethoxy)methane	40 ug/mL
							Bis(2-chloroethyl)ether	40 ug/mL
							Bis(2-ethylhexyl) phthalate	40 ug/mL
							Butyl benzyl phthalate	40 ug/mL
							Carbazole	40 ug/mL
							Chrysene	40 ug/mL
							Di-n-butyl phthalate	40 ug/mL
							Di-n-octyl phthalate	40 ug/mL
							Dibenz(a,h)anthracene	40 ug/mL
							Dibenzofuran	40 ug/mL
							Diethyl phthalate	40 ug/mL
							Dimethyl phthalate	40 ug/mL
							Fluoranthene	40 ug/mL
							Fluorene	40 ug/mL
							Hexachlorobenzene	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Hexachlorocyclopentadiene	40 ug/mL
							Hexachloroethane	40 ug/mL
							Indeno[1,2,3-cd]pyrene	40 ug/mL
							Isophorone	40 ug/mL
							Methylphenol, 3 & 4	40 ug/mL
							N-Nitrosodi-n-propylamine	40 ug/mL
							N-Nitrosodimethylamine	40 ug/mL
							Naphthalene	40 ug/mL
							Nitrobenzene	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorophenol	40 ug/mL
							Phenanthrene	40 ug/mL
							Phenol	40 ug/mL
							Pyrene	40 ug/mL
					SVINDENEs_00010	0.4 mL	Indene	40 ug/mL
					SVNNDIPHENAMs_00002	0.08 mL	N-Nitrosodiphenylamine	40 ug/mL
					SVNNITROPYROs_00001	0.4 mL	N-Nitrosopyrrolidine	40 ug/mL
..SV ADDON MIXs_00003	01/31/13	Supelco, Lot LB 879735			(Purchased Reagent)		1-Methylnaphthalene	2000 ug/mL
							2,3,4,6-Tetrachlorophenol	2000 ug/mL
							2,3,5,6-Tetrachlorophenol	2000 ug/mL
							2-Naphthylamine	2000 ug/mL
							7,12-Dimethylbenz(a)anthracene	2000 ug/mL
							Methyl methanesulfonate	2000 ug/mL
..SV1245TCBENZs_00001	09/09/13	Absolute Standards, Lot 090908			(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
..SV14DIOXANEs_00002	10/31/16	Restek, Lot A077490			(Purchased Reagent)		1,4-Dioxane	2000 ug/mL
..SV26DCPHENOLs_00001	08/31/13	Supelco, Lot LB78166			(Purchased Reagent)		2,6-Dichlorophenol	5000 ug/mL
..SVACIDSURMIXs_00001	01/31/13	Ultra Scientific, Lot CF-5141			(Purchased Reagent)		2,4,6-Tribromophenol	2000 ug/mL
							2-Fluorophenol	2000 ug/mL
							Phenol-d5	2000 ug/mL
..SVBENZIDINEs_00008	01/27/13	Supelco, Lot LB79050			(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SVBNSURMIXs_00003	08/30/13	Ultra Scientific, Lot CG-2463			(Purchased Reagent)		2-Fluorobiphenyl	1000 ug/mL
							Nitrobenzene-d5	1000 ug/mL
							Terphenyl-d14	1000 ug/mL
..SVCALIBMIX4s_00002	11/30/14	Supelco, Lot LB88725			(Purchased Reagent)		Aniline	2000 ug/mL
							Benzoic acid	2000 ug/mL
							Benzyl alcohol	2000 ug/mL
							Pyridine	2000 ug/mL
..SVCLPOLM4MIXs_00003	04/30/13	Supelco, Lot LB73726			(Purchased Reagent)		1,1'-Biphenyl	2000 ug/mL
							Acetophenone	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SVCLPSVMIXs_00005	09/30/13	Supelco, Lot lb78428			(Purchased Reagent)		1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	1000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							Methylphenol, 3 & 4	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
..SVINDENEs_00010	10/10/13	Absolute Standards, Lot 101011			(Purchased Reagent)		Indene	1000 ug/mL
..SVNNDIPHENAMs_00002	06/30/13	Supelco, Lot LB76738			(Purchased Reagent)		N-Nitrosodiphenylamine	5000 ug/mL
..SVNNITROPYROs_00001	12/09/14	Absolute Standards, Lot 12[illegible]			(Purchased Reagent)		N-Nitrosopyrrolidine	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.SVPENTACHLPHi_00005	01/31/13	07/30/12	MeCl2, Lot 480019	1 mL	SVPENTCLPHENs_00001	0.1 mL	Pentachlorophenol	100 ug/mL
..SVPENTCLPHENs_00001	09/17/14	Absolute Standards, Lot 091709			(Purchased Reagent)		Pentachlorophenol	1000 ug/mL
.SVSIMINTERNi_00009	12/17/12	12/17/11	MeCl2, Lot 222635	10 mL	SVINTSTDMIXs_00002	2 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..SVINTSTDMIXs_00002	07/31/13	Supelco, Lot LB77211			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SVLLSSTD2.0i_00006	12/12/12	07/30/12	MeCl2, Lot 480019	1 mL	SV24DINITPOHi_00004	0.01 mL	2,4-Dinitrophenol	2 ug/mL
					SV46DN2MPHOHi_00004	0.01 mL	4,6-Dinitro-2-methylphenol	2 ug/mL
					SV4NITPHOHi_00004	0.01 mL	4-Nitrophenol	2 ug/mL
					SVBENZOICACi_00005	0.01 mL	Benzoic acid	2 ug/mL
					SVLLSTOCKi_00008	0.025 mL	1-Methylnaphthalene	1 ug/mL
							2,3,4,6-Tetrachlorophenol	1 ug/mL
							2,3,5,6-Tetrachlorophenol	1 ug/mL
							2-Naphthylamine	1 ug/mL
							7,12-Dimethylbenz(a)anthracene	1 ug/mL
							Methyl methanesulfonate	1 ug/mL
							1,2,4,5-Tetrachlorobenzene	1 ug/mL
							1,4-Dioxane	1 ug/mL
							2,6-Dichlorophenol	1 ug/mL
							2,4,6-Tribromophenol	1 ug/mL
							2-Fluorophenol	1 ug/mL
							Phenol-d5	1 ug/mL
							3,3'-Dichlorobenzidine	1 ug/mL
							Benzidine	1 ug/mL
							2-Fluorobiphenyl	1 ug/mL
							Nitrobenzene-d5	1 ug/mL
							Terphenyl-d14	1 ug/mL
							Aniline	1 ug/mL
							Benzoic acid	2 ug/mL
							Benzyl alcohol	1 ug/mL
							Pyridine	1 ug/mL
							1,1'-Biphenyl	1 ug/mL
							Acetophenone	1 ug/mL
							Atrazine	1 ug/mL
							Benzaldehyde	1 ug/mL
							Caprolactam	1 ug/mL
							1,2,4-Trichlorobenzene	1 ug/mL
							1,2-Dichlorobenzene	1 ug/mL
							1,2-Diphenylhydrazine	1 ug/mL
							1,3-Dichlorobenzene	1 ug/mL
							1,4-Dichlorobenzene	1 ug/mL
							2,2'-oxybis[1-chloropropane]	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,5-Trichlorophenol	1 ug/mL
							2,4,6-Trichlorophenol	1 ug/mL
							2,4-Dichlorophenol	1 ug/mL
							2,4-Dimethylphenol	1 ug/mL
							2,4-Dinitrophenol	2 ug/mL
							2,4-Dinitrotoluene	1 ug/mL
							2,6-Dinitrotoluene	1 ug/mL
							2-Chloronaphthalene	1 ug/mL
							2-Chlorophenol	1 ug/mL
							2-Methylnaphthalene	1 ug/mL
							2-Methylphenol	1 ug/mL
							2-Nitroaniline	1 ug/mL
							2-Nitrophenol	1 ug/mL
							3-Nitroaniline	1 ug/mL
							4,6-Dinitro-2-methylphenol	2 ug/mL
							4-Bromophenyl phenyl ether	1 ug/mL
							4-Chloro-3-methylphenol	1 ug/mL
							4-Chloroaniline	1 ug/mL
							4-Chlorophenyl phenyl ether	1 ug/mL
							4-Nitroaniline	1 ug/mL
							4-Nitrophenol	2 ug/mL
							Acenaphthene	1 ug/mL
							Acenaphthylene	1 ug/mL
							Anthracene	1 ug/mL
							Benzo[a]anthracene	1 ug/mL
							Benzo[a]pyrene	1 ug/mL
							Benzo[b]fluoranthene	1 ug/mL
							Benzo[g,h,i]perylene	1 ug/mL
							Benzo[k]fluoranthene	1 ug/mL
							Bis(2-chloroethoxy)methane	1 ug/mL
							Bis(2-chloroethyl)ether	1 ug/mL
							Bis(2-ethylhexyl) phthalate	1 ug/mL
							Butyl benzyl phthalate	1 ug/mL
							Carbazole	1 ug/mL
							Chrysene	1 ug/mL
							Di-n-butyl phthalate	1 ug/mL
							Di-n-octyl phthalate	1 ug/mL
							Dibenz(a,h)anthracene	1 ug/mL
							Dibenzofuran	1 ug/mL
							Diethyl phthalate	1 ug/mL
							Dimethyl phthalate	1 ug/mL
							Fluoranthene	1 ug/mL
							Fluorene	1 ug/mL
							Hexachlorobenzene	1 ug/mL
							Hexachlorobutadiene	1 ug/mL
							Hexachlorocyclopentadiene	1 ug/mL
							Hexachloroethane	1 ug/mL
							Indeno[1,2,3-cd]pyrene	1 ug/mL
							Isophorone	1 ug/mL
							Methylphenol, 3 & 4	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodi-n-propylamine	1 ug/mL
							N-Nitrosodimethylamine	1 ug/mL
							Naphthalene	1 ug/mL
							Nitrobenzene	1 ug/mL
							Pentachlorophenol	2 ug/mL
							Phenanthrene	1 ug/mL
							Phenol	1 ug/mL
							Pyrene	1 ug/mL
							Indene	1 ug/mL
							N-Nitrosodiphenylamine	1 ug/mL
							N-Nitrosopyrrolidine	1 ug/mL
					SVPENTACHLPHi_00005	0.01 mL	Pentachlorophenol	2 ug/mL
					SVSIMINTERNi_00009	0.01 mL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
.SV24DINITPOHi_00004	12/12/12	07/30/12	MeCl2, Lot 480019	1 mL	SV24DINITPHNs_00001	0.1 mL	2,4-Dinitrophenol	100 ug/mL
..SV24DINITPHNs_00001	12/12/12	Absolute Standards, Lot 121207			(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
.SV46DN2MPHOHi_00004	01/30/13	07/30/12	MeCl2, Lot 480019	1 mL	SV46DN2MPHOHs_00001	0.1 mL	4,6-Dinitro-2-methylphenol	100 ug/mL
..SV46DN2MPHOHs_00001	01/27/15	Absolute Standards, Lot 012710			(Purchased Reagent)		4,6-Dinitro-2-methylphenol	1000 ug/mL
.SV4NITPHOHi_00004	01/31/13	07/30/12	MeCl2, Lot 480019	1 mL	SV4NITROPHOHs_00001	0.1 mL	4-Nitrophenol	100 ug/mL
..SV4NITROPHOHs_00001	03/08/15	Absolute Standards, Lot 030810			(Purchased Reagent)		4-Nitrophenol	1000 ug/mL
.SVBENZOICACi_00005	01/31/13	07/30/12	MeCl2, Lot 480019	1 mL	SVBENZOICACDs_00001	0.1 mL	Benzoic acid	100 ug/mL
..SVBENZOICACDs_00001	10/21/14	Absolute Standards, Lot 102109			(Purchased Reagent)		Benzoic acid	1000 ug/mL
.SVLLSTOCKi_00008	01/27/13	07/30/12	MeCl2, Lot 299751	10 mL	SV ADDON MIXs_00003	0.2 mL	1-Methylnaphthalene	40 ug/mL
							2,3,4,6-Tetrachlorophenol	40 ug/mL
							2,3,5,6-Tetrachlorophenol	40 ug/mL
							2-Naphthylamine	40 ug/mL
							7,12-Dimethylbenz(a)anthracene	40 ug/mL
							Methyl methanesulfonate	40 ug/mL
					SV1245TCBENZs_00001	0.4 mL	1,2,4,5-Tetrachlorobenzene	40 ug/mL
					SV14DIOXANEs_00002	0.2 mL	1,4-Dioxane	40 ug/mL
					SV26DCPHENOLs_00001	0.08 mL	2,6-Dichlorophenol	40 ug/mL
					SVACIDSURMIXs_00001	0.2 mL	2,4,6-Tribromophenol	40 ug/mL
							2-Fluorophenol	40 ug/mL
							Phenol-d5	40 ug/mL
					SVBENZIDINEs_00008	0.2 mL	3,3'-Dichlorobenzidine	40 ug/mL
							Benzidine	40 ug/mL
					SVBNSURMIXs_00003	0.4 mL	2-Fluorobiphenyl	40 ug/mL
							Nitrobenzene-d5	40 ug/mL
							Terphenyl-d14	40 ug/mL
					SVCALIBMIX4s_00002	0.2 mL	Aniline	40 ug/mL
							Benzoic acid	40 ug/mL
							Benzyl alcohol	40 ug/mL
							Pyridine	40 ug/mL
					SVCLPOLM4MIXs_00003	0.2 mL	1,1'-Biphenyl	40 ug/mL
							Acetophenone	40 ug/mL
							Atrazine	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzaldehyde	40 ug/mL
							Caprolactam	40 ug/mL
					SVCLPSVMIXs_00005	0.4 mL	1,2,4-Trichlorobenzene	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Diphenylhydrazine	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							2,2'-oxybis[1-chloropropane]	40 ug/mL
							2,4,5-Trichlorophenol	40 ug/mL
							2,4,6-Trichlorophenol	40 ug/mL
							2,4-Dichlorophenol	40 ug/mL
							2,4-Dimethylphenol	40 ug/mL
							2,4-Dinitrophenol	40 ug/mL
							2,4-Dinitrotoluene	40 ug/mL
							2,6-Dinitrotoluene	40 ug/mL
							2-Chloronaphthalene	40 ug/mL
							2-Chlorophenol	40 ug/mL
							2-Methylnaphthalene	40 ug/mL
							2-Methylphenol	40 ug/mL
							2-Nitroaniline	40 ug/mL
							2-Nitrophenol	40 ug/mL
							3-Nitroaniline	40 ug/mL
							4,6-Dinitro-2-methylphenol	40 ug/mL
							4-Bromophenyl phenyl ether	40 ug/mL
							4-Chloro-3-methylphenol	40 ug/mL
							4-Chloroaniline	40 ug/mL
							4-Chlorophenyl phenyl ether	40 ug/mL
							4-Nitroaniline	40 ug/mL
							4-Nitrophenol	40 ug/mL
							Acenaphthene	40 ug/mL
							Acenaphthylene	40 ug/mL
							Anthracene	40 ug/mL
							Benzo[a]anthracene	40 ug/mL
							Benzo[a]pyrene	40 ug/mL
							Benzo[b]fluoranthene	40 ug/mL
							Benzo[g,h,i]perylene	40 ug/mL
							Benzo[k]fluoranthene	40 ug/mL
							Bis(2-chloroethoxy)methane	40 ug/mL
							Bis(2-chloroethyl)ether	40 ug/mL
							Bis(2-ethylhexyl) phthalate	40 ug/mL
							Butyl benzyl phthalate	40 ug/mL
							Carbazole	40 ug/mL
							Chrysene	40 ug/mL
							Di-n-butyl phthalate	40 ug/mL
							Di-n-octyl phthalate	40 ug/mL
							Dibenz(a,h)anthracene	40 ug/mL
							Dibenzofuran	40 ug/mL
							Diethyl phthalate	40 ug/mL
							Dimethyl phthalate	40 ug/mL
							Fluoranthene	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluorene	40 ug/mL
							Hexachlorobenzene	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Hexachlorocyclopentadiene	40 ug/mL
							Hexachloroethane	40 ug/mL
							Indeno[1,2,3-cd]pyrene	40 ug/mL
							Isophorone	40 ug/mL
							Methylphenol, 3 & 4	40 ug/mL
							N-Nitrosodi-n-propylamine	40 ug/mL
							N-Nitrosodimethylamine	40 ug/mL
							Naphthalene	40 ug/mL
							Nitrobenzene	40 ug/mL
							Pentachlorophenol	40 ug/mL
							Phenanthrene	40 ug/mL
							Phenol	40 ug/mL
							Pyrene	40 ug/mL
					SVINDENEs_00010	0.4 mL	Indene	40 ug/mL
					SVNNDIPHENAMs_00002	0.08 mL	N-Nitrosodiphenylamine	40 ug/mL
					SVNNITROPYROs_00001	0.4 mL	N-Nitrosopyrrolidine	40 ug/mL
..SV ADDON MIXs_00003	01/31/13	Supelco, Lot LB 879735			(Purchased Reagent)		1-Methylnaphthalene	2000 ug/mL
							2,3,4,6-Tetrachlorophenol	2000 ug/mL
							2,3,5,6-Tetrachlorophenol	2000 ug/mL
							2-Naphthylamine	2000 ug/mL
							7,12-Dimethylbenz(a)anthracene	2000 ug/mL
							Methyl methanesulfonate	2000 ug/mL
..SV1245TCBENZs_00001	09/09/13	Absolute Standards, Lot 090908			(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
..SV14DIOXANEs_00002	10/31/16	Restek, Lot A077490			(Purchased Reagent)		1,4-Dioxane	2000 ug/mL
..SV26DCPHENOLs_00001	08/31/13	Supelco, Lot LB78166			(Purchased Reagent)		2,6-Dichlorophenol	5000 ug/mL
..SVACIDSURMIXs_00001	01/31/13	Ultra Scientific, Lot CF-5141			(Purchased Reagent)		2,4,6-Tribromophenol	2000 ug/mL
							2-Fluorophenol	2000 ug/mL
							Phenol-d5	2000 ug/mL
..SVBENZIDINEs_00008	01/27/13	Supelco, Lot LB79050			(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SVBNSURMIXs_00003	08/30/13	Ultra Scientific, Lot CG-2463			(Purchased Reagent)		2-Fluorobiphenyl	1000 ug/mL
							Nitrobenzene-d5	1000 ug/mL
							Terphenyl-d14	1000 ug/mL
..SVCALIBMIX4s_00002	11/30/14	Supelco, Lot LB88725			(Purchased Reagent)		Aniline	2000 ug/mL
							Benzoic acid	2000 ug/mL
							Benzyl alcohol	2000 ug/mL
							Pyridine	2000 ug/mL
..SVCLPOLM4MIXs_00003	04/30/13	Supelco, Lot LB73726			(Purchased Reagent)		1,1'-Biphenyl	2000 ug/mL
							Acetophenone	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SVCLPSVMIXs_00005	09/30/13	Supelco, Lot lb78428			(Purchased Reagent)		1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	1000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methylphenol, 3 & 4	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
..SVINDENEs_00010	10/10/13	Absolute Standards, Lot 101011			(Purchased Reagent)		Indene	1000 ug/mL
..SVNNDIPHENAMs_00002	06/30/13	Supelco, Lot LB76738			(Purchased Reagent)		N-Nitrosodiphenylamine	5000 ug/mL
..SVNNITROPYROs_00001	12/09/14	Absolute Standards, Lot 120909			(Purchased Reagent)		N-Nitrosopyrrolidine	1000 ug/mL
.SVPENTACHLPHi_00005	01/31/13	07/30/12	MeCl2, Lot 480019	1 mL	SVPENTCLPHENs_00001	0.1 mL	Pentachlorophenol	100 ug/mL
..SVPENTCLPHENs_00001	09/17/14	Absolute Standards, Lot 091709			(Purchased Reagent)		Pentachlorophenol	1000 ug/mL
.SVSIMINTERNi_00009	12/17/12	12/17/11	MeCl2, Lot 222635	10 mL	SVINTSTDMIXs_00002	2 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..SVINTSTDMIXs_00002	07/31/13	Supelco, Lot LB77211			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SVLLSSTD20i_00006	12/12/12	07/30/12	MeCl2, Lot 480019	1 mL	SV24DINITPOHi_00004	0.05 mL	2,4-Dinitrophenol	15 ug/mL
					SV46DN2MPHOHi_00004	0.05 mL	4,6-Dinitro-2-methylphenol	15 ug/mL
					SV4NITPHOHi_00004	0.05 mL	4-Nitrophenol	15 ug/mL
					SVBENZOICACi_00005	0.05 mL	Benzoic acid	15 ug/mL
					SVLLSTOCKi_00008	0.25 mL	1-Methylnaphthalene	10 ug/mL
							2,3,4,6-Tetrachlorophenol	10 ug/mL
							2,3,5,6-Tetrachlorophenol	10 ug/mL
							2-Naphthylamine	10 ug/mL
							7,12-Dimethylbenz(a)anthracene	10 ug/mL
							Methyl methanesulfonate	10 ug/mL
							1,2,4,5-Tetrachlorobenzene	10 ug/mL
							1,4-Dioxane	10 ug/mL
							2,6-Dichlorophenol	10 ug/mL
							2,4,6-Tribromophenol	10 ug/mL
							2-Fluorophenol	10 ug/mL
							Phenol-d5	10 ug/mL
							3,3'-Dichlorobenzidine	10 ug/mL
							Benzidine	10 ug/mL
							2-Fluorobiphenyl	10 ug/mL
							Nitrobenzene-d5	10 ug/mL
							Terphenyl-d14	10 ug/mL
							Aniline	10 ug/mL
							Benzoic acid	15 ug/mL
							Benzyl alcohol	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyridine	10 ug/mL
							1,1'-Biphenyl	10 ug/mL
							Acetophenone	10 ug/mL
							Atrazine	10 ug/mL
							Benzaldehyde	10 ug/mL
							Caprolactam	10 ug/mL
							1,2,4-Trichlorobenzene	10 ug/mL
							1,2-Dichlorobenzene	10 ug/mL
							1,2-Diphenylhydrazine	10 ug/mL
							1,3-Dichlorobenzene	10 ug/mL
							1,4-Dichlorobenzene	10 ug/mL
							2,2'-oxybis[1-chloropropane]	10 ug/mL
							2,4,5-Trichlorophenol	10 ug/mL
							2,4,6-Trichlorophenol	10 ug/mL
							2,4-Dichlorophenol	10 ug/mL
							2,4-Dimethylphenol	10 ug/mL
							2,4-Dinitrophenol	15 ug/mL
							2,4-Dinitrotoluene	10 ug/mL
							2,6-Dinitrotoluene	10 ug/mL
							2-Chloronaphthalene	10 ug/mL
							2-Chlorophenol	10 ug/mL
							2-Methylnaphthalene	10 ug/mL
							2-Methylphenol	10 ug/mL
							2-Nitroaniline	10 ug/mL
							2-Nitrophenol	10 ug/mL
							3-Nitroaniline	10 ug/mL
							4,6-Dinitro-2-methylphenol	15 ug/mL
							4-Bromophenyl phenyl ether	10 ug/mL
							4-Chloro-3-methylphenol	10 ug/mL
							4-Chloroaniline	10 ug/mL
							4-Chlorophenyl phenyl ether	10 ug/mL
							4-Nitroaniline	10 ug/mL
							4-Nitrophenol	15 ug/mL
							Acenaphthene	10 ug/mL
							Acenaphthylene	10 ug/mL
							Anthracene	10 ug/mL
							Benzo[a]anthracene	10 ug/mL
							Benzo[a]pyrene	10 ug/mL
							Benzo[b]fluoranthene	10 ug/mL
							Benzo[g,h,i]perylene	10 ug/mL
							Benzo[k]fluoranthene	10 ug/mL
							Bis(2-chloroethoxy)methane	10 ug/mL
							Bis(2-chloroethyl)ether	10 ug/mL
							Bis(2-ethylhexyl) phthalate	10 ug/mL
							Butyl benzyl phthalate	10 ug/mL
							Carbazole	10 ug/mL
							Chrysene	10 ug/mL
							Di-n-butyl phthalate	10 ug/mL
							Di-n-octyl phthalate	10 ug/mL
							Dibenz(a,h)anthracene	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenzofuran	10 ug/mL
							Diethyl phthalate	10 ug/mL
							Dimethyl phthalate	10 ug/mL
							Fluoranthene	10 ug/mL
							Fluorene	10 ug/mL
							Hexachlorobenzene	10 ug/mL
							Hexachlorobutadiene	10 ug/mL
							Hexachlorocyclopentadiene	10 ug/mL
							Hexachloroethane	10 ug/mL
							Indeno[1,2,3-cd]pyrene	10 ug/mL
							Isophorone	10 ug/mL
							Methylphenol, 3 & 4	10 ug/mL
							N-Nitrosodi-n-propylamine	10 ug/mL
							N-Nitrosodimethylamine	10 ug/mL
							Naphthalene	10 ug/mL
							Nitrobenzene	10 ug/mL
							Pentachlorophenol	15 ug/mL
							Phenanthrene	10 ug/mL
							Phenol	10 ug/mL
							Pyrene	10 ug/mL
							Indene	10 ug/mL
							N-Nitrosodiphenylamine	10 ug/mL
							N-Nitrosopyrrolidine	10 ug/mL
					SVPENTACHLPHi_00005	0.05 mL	Pentachlorophenol	15 ug/mL
					SVSIMINTERNi_00009	0.01 mL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
.SV24DINITPOHi_00004	12/12/12	07/30/12	MeCl2, Lot 480019	1 mL	SV24DINITPHNs_00001	0.1 mL	2,4-Dinitrophenol	100 ug/mL
..SV24DINITPHNs_00001	12/12/12	Absolute Standards, Lot 121207			(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
.SV46DN2MPHOHi_00004	01/30/13	07/30/12	MeCl2, Lot 480019	1 mL	SV46DN2MPHOHs_00001	0.1 mL	4,6-Dinitro-2-methylphenol	100 ug/mL
..SV46DN2MPHOHs_00001	01/27/15	Absolute Standards, Lot 012710			(Purchased Reagent)		4,6-Dinitro-2-methylphenol	1000 ug/mL
.SV4NITPHOHi_00004	01/31/13	07/30/12	MeCl2, Lot 480019	1 mL	SV4NITROPHOHs_00001	0.1 mL	4-Nitrophenol	100 ug/mL
..SV4NITROPHOHs_00001	03/08/15	Absolute Standards, Lot 030810			(Purchased Reagent)		4-Nitrophenol	1000 ug/mL
.SVBENZOICACi_00005	01/31/13	07/30/12	MeCl2, Lot 480019	1 mL	SVBENZOICACDs_00001	0.1 mL	Benzoic acid	100 ug/mL
..SVBENZOICACDs_00001	10/21/14	Absolute Standards, Lot 102109			(Purchased Reagent)		Benzoic acid	1000 ug/mL
.SVLLSTOCKi_00008	01/27/13	07/30/12	MeCl2, Lot 299751	10 mL	SV ADDON MIXs_00003	0.2 mL	1-Methylnaphthalene	40 ug/mL
							2,3,4,6-Tetrachlorophenol	40 ug/mL
							2,3,5,6-Tetrachlorophenol	40 ug/mL
							2-Naphthylamine	40 ug/mL
							7,12-Dimethylbenz(a)anthracene	40 ug/mL
							Methyl methanesulfonate	40 ug/mL
					SV1245TCBENZs_00001	0.4 mL	1,2,4,5-Tetrachlorobenzene	40 ug/mL
					SV14DIOXANEs_00002	0.2 mL	1,4-Dioxane	40 ug/mL
					SV26DCPHENOLs_00001	0.08 mL	2,6-Dichlorophenol	40 ug/mL
					SVACIDSURMIXs_00001	0.2 mL	2,4,6-Tribromophenol	40 ug/mL
							2-Fluorophenol	40 ug/mL
							Phenol-d5	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					SVBENZIDINEs_00008	0.2 mL	3,3'-Dichlorobenzidine	40 ug/mL
							Benzidine	40 ug/mL
					SVBNSURMIXs_00003	0.4 mL	2-Fluorobiphenyl	40 ug/mL
							Nitrobenzene-d5	40 ug/mL
							Terphenyl-d14	40 ug/mL
					SVCALIBMIX4s_00002	0.2 mL	Aniline	40 ug/mL
							Benzoic acid	40 ug/mL
							Benzyl alcohol	40 ug/mL
							Pyridine	40 ug/mL
					SVCLPOLM4MIXs_00003	0.2 mL	1,1'-Biphenyl	40 ug/mL
							Acetophenone	40 ug/mL
							Atrazine	40 ug/mL
							Benzaldehyde	40 ug/mL
							Caprolactam	40 ug/mL
					SVCLPSVMIXs_00005	0.4 mL	1,2,4-Trichlorobenzene	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Diphenylhydrazine	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							2,2'-oxybis[1-chloropropane]	40 ug/mL
							2,4,5-Trichlorophenol	40 ug/mL
							2,4,6-Trichlorophenol	40 ug/mL
							2,4-Dichlorophenol	40 ug/mL
							2,4-Dimethylphenol	40 ug/mL
							2,4-Dinitrophenol	40 ug/mL
							2,4-Dinitrotoluene	40 ug/mL
							2,6-Dinitrotoluene	40 ug/mL
							2-Chloronaphthalene	40 ug/mL
							2-Chlorophenol	40 ug/mL
							2-Methylnaphthalene	40 ug/mL
							2-Methylphenol	40 ug/mL
							2-Nitroaniline	40 ug/mL
							2-Nitrophenol	40 ug/mL
							3-Nitroaniline	40 ug/mL
							4,6-Dinitro-2-methylphenol	40 ug/mL
							4-Bromophenyl phenyl ether	40 ug/mL
							4-Chloro-3-methylphenol	40 ug/mL
							4-Chloroaniline	40 ug/mL
							4-Chlorophenyl phenyl ether	40 ug/mL
							4-Nitroaniline	40 ug/mL
							4-Nitrophenol	40 ug/mL
							Acenaphthene	40 ug/mL
							Acenaphthylene	40 ug/mL
							Anthracene	40 ug/mL
							Benzo[a]anthracene	40 ug/mL
							Benzo[a]pyrene	40 ug/mL
							Benzo[b]fluoranthene	40 ug/mL
							Benzo[g,h,i]perylene	40 ug/mL
							Benzo[k]fluoranthene	40 ug/mL
							Bis(2-chloroethoxy)methane	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-chloroethyl)ether	40 ug/mL
							Bis(2-ethylhexyl) phthalate	40 ug/mL
							Butyl benzyl phthalate	40 ug/mL
							Carbazole	40 ug/mL
							Chrysene	40 ug/mL
							Di-n-butyl phthalate	40 ug/mL
							Di-n-octyl phthalate	40 ug/mL
							Dibenz(a,h)anthracene	40 ug/mL
							Dibenzofuran	40 ug/mL
							Diethyl phthalate	40 ug/mL
							Dimethyl phthalate	40 ug/mL
							Fluoranthene	40 ug/mL
							Fluorene	40 ug/mL
							Hexachlorobenzene	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Hexachlorocyclopentadiene	40 ug/mL
							Hexachloroethane	40 ug/mL
							Indeno[1,2,3-cd]pyrene	40 ug/mL
							Isophorone	40 ug/mL
							Methylphenol, 3 & 4	40 ug/mL
							N-Nitrosodi-n-propylamine	40 ug/mL
							N-Nitrosodimethylamine	40 ug/mL
							Naphthalene	40 ug/mL
							Nitrobenzene	40 ug/mL
							Pentachlorophenol	40 ug/mL
							Phenanthrene	40 ug/mL
							Phenol	40 ug/mL
							Pyrene	40 ug/mL
					SVINDENEs_00010	0.4 mL	Indene	40 ug/mL
					SVNNDIPHENAMs_00002	0.08 mL	N-Nitrosodiphenylamine	40 ug/mL
					SVNNITROPYROs_00001	0.4 mL	N-Nitrosopyrrolidine	40 ug/mL
..SV ADDON MIXs_00003	01/31/13	Supelco, Lot LB 879735			(Purchased Reagent)		1-Methylnaphthalene	2000 ug/mL
							2,3,4,6-Tetrachlorophenol	2000 ug/mL
							2,3,5,6-Tetrachlorophenol	2000 ug/mL
							2-Naphthylamine	2000 ug/mL
							7,12-Dimethylbenz(a)anthracene	2000 ug/mL
							Methyl methanesulfonate	2000 ug/mL
..SV1245TCBENZs_00001	09/09/13	Absolute Standards, Lot 090908			(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
..SV14DIOXANEs_00002	10/31/16	Restek, Lot A077490			(Purchased Reagent)		1,4-Dioxane	2000 ug/mL
..SV26DCPHENOLs_00001	08/31/13	Supelco, Lot LB78166			(Purchased Reagent)		2,6-Dichlorophenol	5000 ug/mL
..SVACIDSURMIXs_00001	01/31/13	Ultra Scientific, Lot CF-5141			(Purchased Reagent)		2,4,6-Tribromophenol	2000 ug/mL
							2-Fluorophenol	2000 ug/mL
							Phenol-d5	2000 ug/mL
..SVBENZIDINEs_00008	01/27/13	Supelco, Lot LB79050			(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SVBNSURMIXs_00003	08/30/13	Ultra Scientific, Lot CG-2463			(Purchased Reagent)		2-Fluorobiphenyl	1000 ug/mL
							Nitrobenzene-d5	1000 ug/mL
							Terphenyl-d14	1000 ug/mL
..SVCALIBMIX4s_00002	11/30/14	Supelco, Lot LB88725			(Purchased Reagent)		Aniline	2000 ug/mL
							Benzoic acid	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl alcohol	2000 ug/mL
							Pyridine	2000 ug/mL
..SVCLPOLM4MIXs_00003	04/30/13		Supelco, Lot LB73726		(Purchased Reagent)		1,1'-Biphenyl	2000 ug/mL
							Acetophenone	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SVCLPSVMIXs_00005	09/30/13		Supelco, Lot lb78428		(Purchased Reagent)		1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	1000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							Methylphenol, 3 & 4	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
..SVINDENEs_00010	10/10/13	Absolute Standards, Lot 101011			(Purchased Reagent)		Indene	1000 ug/mL
..SVNNDIPHENAMs_00002	06/30/13	Supelco, Lot LB76738			(Purchased Reagent)		N-Nitrosodiphenylamine	5000 ug/mL
..SVNNITROPYROs_00001	12/09/14	Absolute Standards, Lot 120909			(Purchased Reagent)		N-Nitrosopyrrolidine	1000 ug/mL
.SVPENTACHLPHi_00005	01/31/13	07/30/12	MeCl2, Lot 480019	1 mL	SVPENTCLPHENs_00001	0.1 mL	Pentachlorophenol	100 ug/mL
..SVPENTCLPHENs_00001	09/17/14	Absolute Standards, Lot 091709			(Purchased Reagent)		Pentachlorophenol	1000 ug/mL
.SVSIMINTERNi_00009	12/17/12	12/17/11	MeCl2, Lot 222635	10 mL	SVINTSTDMIXs_00002	2 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..SVINTSTDMIXs_00002	07/31/13	Supelco, Lot LB77211			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SVLLSSTD4.0i_00080	09/04/12	08/28/12	MeCl2, Lot 480019	1 mL	SV24DINITPOHi_00004	0.03 mL	2,4-Dinitrophenol	5 ug/mL
					SV46DN2MPHOHi_00004	0.03 mL	4,6-Dinitro-2-methylphenol	5 ug/mL
					SV4NITPHOHi_00004	0.03 mL	4-Nitrophenol	5 ug/mL
					SVBENZOICACi_00005	0.03 mL	Benzoic acid	5 ug/mL
					SVLLSTOCKi_00008	0.05 mL	1-Methylnaphthalene	2 ug/mL
							2,3,4,6-Tetrachlorophenol	2 ug/mL
							2,3,5,6-Tetrachlorophenol	2 ug/mL
							2-Naphthylamine	2 ug/mL
							7,12-Dimethylbenz(a)anthracene	2 ug/mL
							Methyl methanesulfonate	2 ug/mL
							1,2,4,5-Tetrachlorobenzene	2 ug/mL
							1,4-Dioxane	2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,6-Dichlorophenol	2 ug/mL
							2,4,6-Tribromophenol	2 ug/mL
							2-Fluorophenol	2 ug/mL
							Phenol-d5	2 ug/mL
							3,3'-Dichlorobenzidine	2 ug/mL
							Benzidine	2 ug/mL
							2-Fluorobiphenyl	2 ug/mL
							Nitrobenzene-d5	2 ug/mL
							Terphenyl-d14	2 ug/mL
							Aniline	2 ug/mL
							Benzoic acid	5 ug/mL
							Benzyl alcohol	2 ug/mL
							Pyridine	2 ug/mL
							1,1'-Biphenyl	2 ug/mL
							Acetophenone	2 ug/mL
							Atrazine	2 ug/mL
							Benzaldehyde	2 ug/mL
							Caprolactam	2 ug/mL
							1,2,4-Trichlorobenzene	2 ug/mL
							1,2-Dichlorobenzene	2 ug/mL
							1,2-Diphenylhydrazine	2 ug/mL
							1,3-Dichlorobenzene	2 ug/mL
							1,4-Dichlorobenzene	2 ug/mL
							2,2'-oxybis[1-chloropropane]	2 ug/mL
							2,4,5-Trichlorophenol	2 ug/mL
							2,4,6-Trichlorophenol	2 ug/mL
							2,4-Dichlorophenol	2 ug/mL
							2,4-Dimethylphenol	2 ug/mL
							2,4-Dinitrophenol	5 ug/mL
							2,4-Dinitrotoluene	2 ug/mL
							2,6-Dinitrotoluene	2 ug/mL
							2-Chloronaphthalene	2 ug/mL
							2-Chlorophenol	2 ug/mL
							2-Methylnaphthalene	2 ug/mL
							2-Methylphenol	2 ug/mL
							2-Nitroaniline	2 ug/mL
							2-Nitrophenol	2 ug/mL
							3-Nitroaniline	2 ug/mL
							4,6-Dinitro-2-methylphenol	5 ug/mL
							4-Bromophenyl phenyl ether	2 ug/mL
							4-Chloro-3-methylphenol	2 ug/mL
							4-Chloroaniline	2 ug/mL
							4-Chlorophenyl phenyl ether	2 ug/mL
							4-Nitroaniline	2 ug/mL
							4-Nitrophenol	5 ug/mL
							Acenaphthene	2 ug/mL
							Acenaphthylene	2 ug/mL
							Anthracene	2 ug/mL
							Benzo[a]anthracene	2 ug/mL
							Benzo[a]pyrene	2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[b]fluoranthene	2 ug/mL
							Benzo[g,h,i]perylene	2 ug/mL
							Benzo[k]fluoranthene	2 ug/mL
							Bis(2-chloroethoxy)methane	2 ug/mL
							Bis(2-chloroethyl)ether	2 ug/mL
							Bis(2-ethylhexyl) phthalate	2 ug/mL
							Butyl benzyl phthalate	2 ug/mL
							Carbazole	2 ug/mL
							Chrysene	2 ug/mL
							Di-n-butyl phthalate	2 ug/mL
							Di-n-octyl phthalate	2 ug/mL
							Dibenz(a,h)anthracene	2 ug/mL
							Dibenzofuran	2 ug/mL
							Diethyl phthalate	2 ug/mL
							Dimethyl phthalate	2 ug/mL
							Fluoranthene	2 ug/mL
							Fluorene	2 ug/mL
							Hexachlorobenzene	2 ug/mL
							Hexachlorobutadiene	2 ug/mL
							Hexachlorocyclopentadiene	2 ug/mL
							Hexachloroethane	2 ug/mL
							Indeno[1,2,3-cd]pyrene	2 ug/mL
							Isophorone	2 ug/mL
							Methylphenol, 3 & 4	2 ug/mL
							N-Nitrosodi-n-propylamine	2 ug/mL
							N-Nitrosodimethylamine	2 ug/mL
							Naphthalene	2 ug/mL
							Nitrobenzene	2 ug/mL
							Pentachlorophenol	5 ug/mL
							Phenanthrene	2 ug/mL
							Phenol	2 ug/mL
							Pyrene	2 ug/mL
							Indene	2 ug/mL
							N-Nitrosodiphenylamine	2 ug/mL
							N-Nitrosopyrrolidine	2 ug/mL
					SVPENTACHLPHi_00005	0.03 mL	Pentachlorophenol	5 ug/mL
					SVSIMINTERNi_00009	0.01 mL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
.SV24DINITPOHi_00004	12/12/12	07/30/12	MeCl2, Lot 480019	1 mL	SV24DINITPHNs_00001	0.1 mL	2,4-Dinitrophenol	100 ug/mL
..SV24DINITPHNs_00001	12/12/12	Absolute Standards, Lot 121207			(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
.SV46DN2MPHOHi_00004	01/30/13	07/30/12	MeCl2, Lot 480019	1 mL	SV46DN2MPHOHs_00001	0.1 mL	4,6-Dinitro-2-methylphenol	100 ug/mL
..SV46DN2MPHOHs_00001	01/27/15	Absolute Standards, Lot 012710			(Purchased Reagent)		4,6-Dinitro-2-methylphenol	1000 ug/mL
.SV4NITPHOHi_00004	01/31/13	07/30/12	MeCl2, Lot 480019	1 mL	SV4NITROPHOHs_00001	0.1 mL	4-Nitrophenol	100 ug/mL
..SV4NITROPHOHs_00001	03/08/15	Absolute Standards, Lot 030810			(Purchased Reagent)		4-Nitrophenol	1000 ug/mL
.SVBENZOICACi_00005	01/31/13	07/30/12	MeCl2, Lot 480019	1 mL	SVBENZOICACDs_00001	0.1 mL	Benzoic acid	100 ug/mL
..SVBENZOICACDs_00001	10/21/14	Absolute Standards, Lot 102[illegible]			(Purchased Reagent)		Benzoic acid	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.SVLLSTOCKi_00008	01/27/13	07/30/12	MeCl2, Lot 299751	10 mL	SV ADDON MIXs_00003	0.2 mL	1-Methylnaphthalene	40 ug/mL
							2,3,4,6-Tetrachlorophenol	40 ug/mL
							2,3,5,6-Tetrachlorophenol	40 ug/mL
							2-Naphthylamine	40 ug/mL
							7,12-Dimethylbenz(a)anthracene	40 ug/mL
							Methyl methanesulfonate	40 ug/mL
					SV1245TCBENZs_00001	0.4 mL	1,2,4,5-Tetrachlorobenzene	40 ug/mL
					SV14DIOXANEs_00002	0.2 mL	1,4-Dioxane	40 ug/mL
					SV26DCPHENOLs_00001	0.08 mL	2,6-Dichlorophenol	40 ug/mL
					SVACIDSURMIXs_00001	0.2 mL	2,4,6-Tribromophenol	40 ug/mL
							2-Fluorophenol	40 ug/mL
							Phenol-d5	40 ug/mL
					SVBENZIDINEs_00008	0.2 mL	3,3'-Dichlorobenzidine	40 ug/mL
							Benzidine	40 ug/mL
					SVBNSURMIXs_00003	0.4 mL	2-Fluorobiphenyl	40 ug/mL
							Nitrobenzene-d5	40 ug/mL
							Terphenyl-d14	40 ug/mL
					SVCALIBMIX4s_00002	0.2 mL	Aniline	40 ug/mL
							Benzoic acid	40 ug/mL
							Benzyl alcohol	40 ug/mL
							Pyridine	40 ug/mL
					SVCLPOLM4MIXs_00003	0.2 mL	1,1'-Biphenyl	40 ug/mL
							Acetophenone	40 ug/mL
							Atrazine	40 ug/mL
							Benzaldehyde	40 ug/mL
							Caprolactam	40 ug/mL
					SVCLPSVMIXs_00005	0.4 mL	1,2,4-Trichlorobenzene	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Diphenylhydrazine	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							2,2'-oxybis[1-chloropropane]	40 ug/mL
							2,4,5-Trichlorophenol	40 ug/mL
							2,4,6-Trichlorophenol	40 ug/mL
							2,4-Dichlorophenol	40 ug/mL
							2,4-Dimethylphenol	40 ug/mL
							2,4-Dinitrophenol	40 ug/mL
							2,4-Dinitrotoluene	40 ug/mL
							2,6-Dinitrotoluene	40 ug/mL
							2-Chloronaphthalene	40 ug/mL
							2-Chlorophenol	40 ug/mL
							2-Methylnaphthalene	40 ug/mL
							2-Methylphenol	40 ug/mL
							2-Nitroaniline	40 ug/mL
							2-Nitrophenol	40 ug/mL
							3-Nitroaniline	40 ug/mL
							4,6-Dinitro-2-methylphenol	40 ug/mL
							4-Bromophenyl phenyl ether	40 ug/mL
							4-Chloro-3-methylphenol	40 ug/mL
							4-Chloroaniline	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chlorophenyl phenyl ether	40 ug/mL
							4-Nitroaniline	40 ug/mL
							4-Nitrophenol	40 ug/mL
							Acenaphthene	40 ug/mL
							Acenaphthylene	40 ug/mL
							Anthracene	40 ug/mL
							Benzo[a]anthracene	40 ug/mL
							Benzo[a]pyrene	40 ug/mL
							Benzo[b]fluoranthene	40 ug/mL
							Benzo[g,h,i]perylene	40 ug/mL
							Benzo[k]fluoranthene	40 ug/mL
							Bis(2-chloroethoxy)methane	40 ug/mL
							Bis(2-chloroethyl)ether	40 ug/mL
							Bis(2-ethylhexyl) phthalate	40 ug/mL
							Butyl benzyl phthalate	40 ug/mL
							Carbazole	40 ug/mL
							Chrysene	40 ug/mL
							Di-n-butyl phthalate	40 ug/mL
							Di-n-octyl phthalate	40 ug/mL
							Dibenz(a,h)anthracene	40 ug/mL
							Dibenzofuran	40 ug/mL
							Diethyl phthalate	40 ug/mL
							Dimethyl phthalate	40 ug/mL
							Fluoranthene	40 ug/mL
							Fluorene	40 ug/mL
							Hexachlorobenzene	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Hexachlorocyclopentadiene	40 ug/mL
							Hexachloroethane	40 ug/mL
							Indeno[1,2,3-cd]pyrene	40 ug/mL
							Isophorone	40 ug/mL
							Methylphenol, 3 & 4	40 ug/mL
							N-Nitrosodi-n-propylamine	40 ug/mL
							N-Nitrosodimethylamine	40 ug/mL
							Naphthalene	40 ug/mL
							Nitrobenzene	40 ug/mL
							Pentachlorophenol	40 ug/mL
							Phenanthrene	40 ug/mL
							Phenol	40 ug/mL
							Pyrene	40 ug/mL
					SVINDENEs_00010	0.4 mL	Indene	40 ug/mL
					SVNNDIPHENAMs_00002	0.08 mL	N-Nitrosodiphenylamine	40 ug/mL
					SVNNITROPYROs_00001	0.4 mL	N-Nitrosopyrrolidine	40 ug/mL
..SV ADDON MIXs_00003	01/31/13	Supelco, Lot LB 879735			(Purchased Reagent)		1-Methylnaphthalene	2000 ug/mL
							2,3,4,6-Tetrachlorophenol	2000 ug/mL
							2,3,5,6-Tetrachlorophenol	2000 ug/mL
							2-Naphthylamine	2000 ug/mL
							7,12-Dimethylbenz(a)anthracene	2000 ug/mL
							Methyl methanesulfonate	2000 ug/mL
..SV1245TCBENZs_00001	09/09/13	Absolute Standards, Lot 09[illegible]			(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..SV14DIOXANEs_00002	10/31/16		Restek, Lot A077490		(Purchased Reagent)		1,4-Dioxane	2000 ug/mL
..SV26DCPHENOLs_00001	08/31/13		Supelco, Lot LB78166		(Purchased Reagent)		2,6-Dichlorophenol	5000 ug/mL
..SVACIDSURMIXs_00001	01/31/13		Ultra Scientific, Lot CF-5141		(Purchased Reagent)		2,4,6-Tribromophenol	2000 ug/mL
							2-Fluorophenol	2000 ug/mL
							Phenol-d5	2000 ug/mL
..SVBENZIDINEs_00008	01/27/13		Supelco, Lot LB79050		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SVBNSURMIXs_00003	08/30/13		Ultra Scientific, Lot CG-2463		(Purchased Reagent)		2-Fluorobiphenyl	1000 ug/mL
							Nitrobenzene-d5	1000 ug/mL
							Terphenyl-d14	1000 ug/mL
..SVCALIBMIX4s_00002	11/30/14		Supelco, Lot LB88725		(Purchased Reagent)		Aniline	2000 ug/mL
							Benzoic acid	2000 ug/mL
							Benzyl alcohol	2000 ug/mL
							Pyridine	2000 ug/mL
..SVCLPOLM4MIXs_00003	04/30/13		Supelco, Lot LB73726		(Purchased Reagent)		1,1'-Biphenyl	2000 ug/mL
							Acetophenone	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SVCLPSVMIXs_00005	09/30/13		Supelco, Lot lb78428		(Purchased Reagent)		1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	1000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							Methylphenol, 3 & 4	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
..SVINDENEs_00010	10/10/13	Absolute Standards, Lot 101011			(Purchased Reagent)		Indene	1000 ug/mL
..SVNNDIPHENAMs_00002	06/30/13	Supelco, Lot LB76738			(Purchased Reagent)		N-Nitrosodiphenylamine	5000 ug/mL
..SVNNITROPYROs_00001	12/09/14	Absolute Standards, Lot 120909			(Purchased Reagent)		N-Nitrosopyrrolidine	1000 ug/mL
.SVPENTACHLPHi_00005	01/31/13	07/30/12	MeCl2, Lot 480019	1 mL	SVPENTCLPHENs_00001	0.1 mL	Pentachlorophenol	100 ug/mL
..SVPENTCLPHENs_00001	09/17/14	Absolute Standards, Lot 091709			(Purchased Reagent)		Pentachlorophenol	1000 ug/mL
.SVSIMINTERNi_00009	12/17/12	12/17/11	MeCl2, Lot 222635	10 mL	SVINTSTDMIXs_00002	2 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..SVINTSTDMIXs_00002	07/31/13	Supelco, Lot LB77211			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
SVLLSSTD4.0i_00083	09/28/12	09/21/12	MeCl2, Lot 495447	1 mL	SV24DINITPOHi_00004	0.03 mL	2,4-Dinitrophenol	5 ug/mL
					SV46DN2MPHOHi_00004	0.03 mL	4,6-Dinitro-2-methylphenol	5 ug/mL
					SV4NITPHOHi_00004	0.03 mL	4-Nitrophenol	5 ug/mL
					SVLLSTOCKi_00008	0.05 mL	1,4-Dioxane	2 ug/mL
							2,4,6-Tribromophenol	2 ug/mL
							2-Chlorophenol-d4	2 ug/mL
							2-Fluorophenol	2 ug/mL
							Phenol-d5	2 ug/mL
							3,3'-Dichlorobenzidine	2 ug/mL
							1,2-Dichlorobenzene-d4	2 ug/mL
							2-Fluorobiphenyl	2 ug/mL
							Nitrobenzene-d5	2 ug/mL
							Terphenyl-d14	2 ug/mL
							1,1'-Biphenyl	2 ug/mL
							Acetophenone	2 ug/mL
							Atrazine	2 ug/mL
							Benzaldehyde	2 ug/mL
							Caprolactam	2 ug/mL
							2,2'-oxybis[1-chloropropane]	2 ug/mL
							2,4,5-Trichlorophenol	2 ug/mL
							2,4,6-Trichlorophenol	2 ug/mL
							2,4-Dichlorophenol	2 ug/mL
							2,4-Dimethylphenol	2 ug/mL
							2,4-Dinitrophenol	5 ug/mL
							2,4-Dinitrotoluene	2 ug/mL
							2,6-Dinitrotoluene	2 ug/mL
							2-Chloronaphthalene	2 ug/mL
							2-Chlorophenol	2 ug/mL
							2-Methylnaphthalene	2 ug/mL
							2-Methylphenol	2 ug/mL
							2-Nitroaniline	2 ug/mL
							2-Nitrophenol	2 ug/mL
							3-Nitroaniline	2 ug/mL
							4,6-Dinitro-2-methylphenol	5 ug/mL
							4-Bromophenyl phenyl ether	2 ug/mL
							4-Chloro-3-methylphenol	2 ug/mL
							4-Chloroaniline	2 ug/mL
							4-Chlorophenyl phenyl ether	2 ug/mL
							4-Nitroaniline	2 ug/mL
							4-Nitrophenol	5 ug/mL
							Acenaphthene	2 ug/mL
							Acenaphthylene	2 ug/mL
							Anthracene	2 ug/mL
							Benzo[a]anthracene	2 ug/mL
							Benzo[a]pyrene	2 ug/mL
							Benzo[b]fluoranthene	2 ug/mL
							Benzo[g,h,i]perylene	2 ug/mL
							Benzo[k]fluoranthene	2 ug/mL
							Bis(2-chloroethoxy)methane	2 ug/mL
							Bis(2-chloroethyl)ether	2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-ethylhexyl) phthalate	2 ug/mL
							Butyl benzyl phthalate	2 ug/mL
							Carbazole	2 ug/mL
							Chrysene	2 ug/mL
							Di-n-butyl phthalate	2 ug/mL
							Di-n-octyl phthalate	2 ug/mL
							Dibenz(a,h)anthracene	2 ug/mL
							Dibenzofuran	2 ug/mL
							Diethyl phthalate	2 ug/mL
							Dimethyl phthalate	2 ug/mL
							Fluoranthene	2 ug/mL
							Fluorene	2 ug/mL
							Hexachlorobenzene	2 ug/mL
							Hexachlorobutadiene	2 ug/mL
							Hexachlorocyclopentadiene	2 ug/mL
							Hexachloroethane	2 ug/mL
							Indeno[1,2,3-cd]pyrene	2 ug/mL
							Isophorone	2 ug/mL
							Methylphenol, 3 & 4	2 ug/mL
							N-Nitrosodi-n-propylamine	2 ug/mL
							Naphthalene	2 ug/mL
							Nitrobenzene	2 ug/mL
							Pentachlorophenol	5 ug/mL
							Phenanthrene	2 ug/mL
							Phenol	2 ug/mL
							Pyrene	2 ug/mL
							N-Nitrosodiphenylamine	2 ug/mL
					SVPENTACHLPHi_00005	0.03 mL	Pentachlorophenol	5 ug/mL
.SV24DINITPOHi_00004	12/12/12	07/30/12	MeCl2, Lot 480019	1 mL	SV24DINITPHNs_00001	0.1 mL	2,4-Dinitrophenol	100 ug/mL
..SV24DINITPHNs_00001	12/12/12	Absolute Standards, Lot 121207			(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
.SV46DN2MPHOHi_00004	01/30/13	07/30/12	MeCl2, Lot 480019	1 mL	SV46DN2MPHOHs_00001	0.1 mL	4,6-Dinitro-2-methylphenol	100 ug/mL
..SV46DN2MPHOHs_00001	01/27/15	Absolute Standards, Lot 012710			(Purchased Reagent)		4,6-Dinitro-2-methylphenol	1000 ug/mL
.SV4NITPHOHi_00004	01/31/13	07/30/12	MeCl2, Lot 480019	1 mL	SV4NITROPHOHs_00001	0.1 mL	4-Nitrophenol	100 ug/mL
..SV4NITROPHOHs_00001	03/08/15	Absolute Standards, Lot 030810			(Purchased Reagent)		4-Nitrophenol	1000 ug/mL
.SVLLSTOCKi_00008	01/27/13	07/30/12	MeCl2, Lot 299751	10 mL	SV14DIOXANEs_00002	0.2 mL	1,4-Dioxane	40 ug/mL
					SVACIDSURMIXs_00001	0.2 mL	2,4,6-Tribromophenol	40 ug/mL
							2-Chlorophenol-d4	40 ug/mL
							2-Fluorophenol	40 ug/mL
							Phenol-d5	40 ug/mL
					SVBENZIDINEs_00008	0.2 mL	3,3'-Dichlorobenzidine	40 ug/mL
					SVBNSURMIXs_00003	0.4 mL	1,2-Dichlorobenzene-d4	40 ug/mL
							2-Fluorobiphenyl	40 ug/mL
							Nitrobenzene-d5	40 ug/mL
							Terphenyl-d14	40 ug/mL
					SVCLPOLM4MIXs_00003	0.2 mL	1,1'-Biphenyl	40 ug/mL
							Acetophenone	40 ug/mL
							Atrazine	40 ug/mL
							Benzaldehyde	40 ug/mL
							Caprolactam	40 ug/mL
					SVCLPOLM5MIXs_00005	0.4 mL	2,2'-oxybis[1-chloropropane]	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,5-Trichlorophenol	40 ug/mL
							2,4,6-Trichlorophenol	40 ug/mL
							2,4-Dichlorophenol	40 ug/mL
							2,4-Dimethylphenol	40 ug/mL
							2,4-Dinitrophenol	40 ug/mL
							2,4-Dinitrotoluene	40 ug/mL
							2,6-Dinitrotoluene	40 ug/mL
							2-Chloronaphthalene	40 ug/mL
							2-Chlorophenol	40 ug/mL
							2-Methylnaphthalene	40 ug/mL
							2-Methylphenol	40 ug/mL
							2-Nitroaniline	40 ug/mL
							2-Nitrophenol	40 ug/mL
							3-Nitroaniline	40 ug/mL
							4,6-Dinitro-2-methylphenol	40 ug/mL
							4-Bromophenyl phenyl ether	40 ug/mL
							4-Chloro-3-methylphenol	40 ug/mL
							4-Chloroaniline	40 ug/mL
							4-Chlorophenyl phenyl ether	40 ug/mL
							4-Nitroaniline	40 ug/mL
							4-Nitrophenol	40 ug/mL
							Acenaphthene	40 ug/mL
							Acenaphthylene	40 ug/mL
							Anthracene	40 ug/mL
							Benzo[a]anthracene	40 ug/mL
							Benzo[a]pyrene	40 ug/mL
							Benzo[b]fluoranthene	40 ug/mL
							Benzo[g,h,i]perylene	40 ug/mL
							Benzo[k]fluoranthene	40 ug/mL
							Bis(2-chloroethoxy)methane	40 ug/mL
							Bis(2-chloroethyl)ether	40 ug/mL
							Bis(2-ethylhexyl) phthalate	40 ug/mL
							Butyl benzyl phthalate	40 ug/mL
							Carbazole	40 ug/mL
							Chrysene	40 ug/mL
							Di-n-butyl phthalate	40 ug/mL
							Di-n-octyl phthalate	40 ug/mL
							Dibenz(a,h)anthracene	40 ug/mL
							Dibenzofuran	40 ug/mL
							Diethyl phthalate	40 ug/mL
							Dimethyl phthalate	40 ug/mL
							Fluoranthene	40 ug/mL
							Fluorene	40 ug/mL
							Hexachlorobenzene	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Hexachlorocyclopentadiene	40 ug/mL
							Hexachloroethane	40 ug/mL
							Indeno[1,2,3-cd]pyrene	40 ug/mL
							Isophorone	40 ug/mL
							Methylphenol, 3 & 4	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodi-n-propylamine	40 ug/mL
							Naphthalene	40 ug/mL
							Nitrobenzene	40 ug/mL
							Pentachlorophenol	40 ug/mL
							Phenanthrene	40 ug/mL
							Phenol	40 ug/mL
							Pyrene	40 ug/mL
					SVNNDIPHENAMs_00002	0.08 mL	N-Nitrosodiphenylamine	40 ug/mL
..SV14DIOXANEs_00002	10/31/16	Restek, Lot A077490			(Purchased Reagent)		1,4-Dioxane	2000 ug/mL
..SVACIDSURMIXs_00001	01/31/13	Ultra Scientific, Lot CF-5141			(Purchased Reagent)		2,4,6-Tribromophenol	2000 ug/mL
							2-Chlorophenol-d4	2000 ug/mL
							2-Fluorophenol	2000 ug/mL
							Phenol-d5	2000 ug/mL
..SVBENZIDINEs_00008	01/27/13	Supelco, Lot LB79050			(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
..SVBNSURMIXs_00003	08/30/13	Ultra Scientific, Lot CG-2463			(Purchased Reagent)		1,2-Dichlorobenzene-d4	1000 ug/mL
							2-Fluorobiphenyl	1000 ug/mL
							Nitrobenzene-d5	1000 ug/mL
							Terphenyl-d14	1000 ug/mL
..SVCLPOLM4MIXs_00003	04/30/13	Supelco, Lot LB73726			(Purchased Reagent)		1,1'-Biphenyl	2000 ug/mL
							Acetophenone	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SVCLPSVMIXs_00005	09/30/13	Supelco, Lot lb78428			(Purchased Reagent)		2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	1000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							Methylphenol, 3 & 4	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
..SVNNDIPHENAMs_00002	06/30/13	Supelco, Lot LB76738			(Purchased Reagent)		N-Nitrosodiphenylamine	5000 ug/mL
.SVPENTACHLPHi_00005	01/31/13	07/30/12	MeCl2, Lot 480019	1 mL	SVPENTCLPHENs_00001	0.1 mL	Pentachlorophenol	100 ug/mL
..SVPENTCLPHENs_00001	09/17/14	Absolute Standards, Lot 091709			(Purchased Reagent)		Pentachlorophenol	1000 ug/mL
SVLLSSTD40i_00006	12/12/12	07/30/12	MeCl2, Lot 480019	1 mL	SVLLSTOCKi_00008	0.5 mL	1-Methylnaphthalene	20 ug/mL
							2,3,4,6-Tetrachlorophenol	20 ug/mL
							2,3,5,6-Tetrachlorophenol	20 ug/mL
							2-Naphthylamine	20 ug/mL
							7,12-Dimethylbenz(a)anthracene	20 ug/mL
							Methyl methanesulfonate	20 ug/mL
							1,2,4,5-Tetrachlorobenzene	20 ug/mL
							1,4-Dioxane	20 ug/mL
							2,6-Dichlorophenol	20 ug/mL
							2,4,6-Tribromophenol	20 ug/mL
							2-Fluorophenol	20 ug/mL
							Phenol-d5	20 ug/mL
							3,3'-Dichlorobenzidine	20 ug/mL
							Benzidine	20 ug/mL
							2-Fluorobiphenyl	20 ug/mL
							Nitrobenzene-d5	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Terphenyl-d14	20 ug/mL
							Aniline	20 ug/mL
							Benzoic acid	20 ug/mL
							Benzyl alcohol	20 ug/mL
							Pyridine	20 ug/mL
							1,1'-Biphenyl	20 ug/mL
							Acetophenone	20 ug/mL
							Atrazine	20 ug/mL
							Benzaldehyde	20 ug/mL
							Caprolactam	20 ug/mL
							1,2,4-Trichlorobenzene	20 ug/mL
							1,2-Dichlorobenzene	20 ug/mL
							1,2-Diphenylhydrazine	20 ug/mL
							1,3-Dichlorobenzene	20 ug/mL
							1,4-Dichlorobenzene	20 ug/mL
							2,2'-oxybis[1-chloropropane]	20 ug/mL
							2,4,5-Trichlorophenol	20 ug/mL
							2,4,6-Trichlorophenol	20 ug/mL
							2,4-Dichlorophenol	20 ug/mL
							2,4-Dimethylphenol	20 ug/mL
							2,4-Dinitrophenol	20 ug/mL
							2,4-Dinitrotoluene	20 ug/mL
							2,6-Dinitrotoluene	20 ug/mL
							2-Chloronaphthalene	20 ug/mL
							2-Chlorophenol	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							2-Methylphenol	20 ug/mL
							2-Nitroaniline	20 ug/mL
							2-Nitrophenol	20 ug/mL
							3-Nitroaniline	20 ug/mL
							4,6-Dinitro-2-methylphenol	20 ug/mL
							4-Bromophenyl phenyl ether	20 ug/mL
							4-Chloro-3-methylphenol	20 ug/mL
							4-Chloroaniline	20 ug/mL
							4-Chlorophenyl phenyl ether	20 ug/mL
							4-Nitroaniline	20 ug/mL
							4-Nitrophenol	20 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Anthracene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Bis(2-chloroethoxy)methane	20 ug/mL
							Bis(2-chloroethyl)ether	20 ug/mL
							Bis(2-ethylhexyl) phthalate	20 ug/mL
							Butyl benzyl phthalate	20 ug/mL
							Carbazole	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene	20 ug/mL
							Di-n-butyl phthalate	20 ug/mL
							Di-n-octyl phthalate	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Dibenzofuran	20 ug/mL
							Diethyl phthalate	20 ug/mL
							Dimethyl phthalate	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Hexachlorobenzene	20 ug/mL
							Hexachlorobutadiene	20 ug/mL
							Hexachlorocyclopentadiene	20 ug/mL
							Hexachloroethane	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Isophorone	20 ug/mL
							Methylphenol, 3 & 4	20 ug/mL
							N-Nitrosodi-n-propylamine	20 ug/mL
							N-Nitrosodimethylamine	20 ug/mL
							Naphthalene	20 ug/mL
							Nitrobenzene	20 ug/mL
							Pentachlorophenol	20 ug/mL
							Phenanthrene	20 ug/mL
							Phenol	20 ug/mL
							Pyrene	20 ug/mL
							Indene	20 ug/mL
							N-Nitrosodiphenylamine	20 ug/mL
							N-Nitrosopyrrolidine	20 ug/mL
					SVSIMINTERNi_00009	0.01 mL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
.SVLLSTOCKi_00008	01/27/13	07/30/12	MeCl2, Lot 299751	10 mL	SV ADDON MIXs_00003	0.2 mL	1-Methylnaphthalene	40 ug/mL
							2,3,4,6-Tetrachlorophenol	40 ug/mL
							2,3,5,6-Tetrachlorophenol	40 ug/mL
							2-Naphthylamine	40 ug/mL
							7,12-Dimethylbenz(a)anthracene	40 ug/mL
							Methyl methanesulfonate	40 ug/mL
					SV1245TCBENZs_00001	0.4 mL	1,2,4,5-Tetrachlorobenzene	40 ug/mL
					SV14DIOXANEs_00002	0.2 mL	1,4-Dioxane	40 ug/mL
					SV26DCPHENOLs_00001	0.08 mL	2,6-Dichlorophenol	40 ug/mL
					SVACIDSURMIXs_00001	0.2 mL	2,4,6-Tribromophenol	40 ug/mL
							2-Fluorophenol	40 ug/mL
							Phenol-d5	40 ug/mL
					SVBENZIDINEs_00008	0.2 mL	3,3'-Dichlorobenzidine	40 ug/mL
							Benzidine	40 ug/mL
					SVBNSURMIXs_00003	0.4 mL	2-Fluorobiphenyl	40 ug/mL
							Nitrobenzene-d5	40 ug/mL
							Terphenyl-d14	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					SVCALIBMIX4s_00002	0.2 mL	Aniline	40 ug/mL
							Benzoic acid	40 ug/mL
							Benzyl alcohol	40 ug/mL
							Pyridine	40 ug/mL
					SVCLPOLM4MIXs_00003	0.2 mL	1,1'-Biphenyl	40 ug/mL
							Acetophenone	40 ug/mL
							Atrazine	40 ug/mL
							Benzaldehyde	40 ug/mL
							Caprolactam	40 ug/mL
					SVCLPSVMIXs_00005	0.4 mL	1,2,4-Trichlorobenzene	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Diphenylhydrazine	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							2,2'-oxybis[1-chloropropane]	40 ug/mL
							2,4,5-Trichlorophenol	40 ug/mL
							2,4,6-Trichlorophenol	40 ug/mL
							2,4-Dichlorophenol	40 ug/mL
							2,4-Dimethylphenol	40 ug/mL
							2,4-Dinitrophenol	40 ug/mL
							2,4-Dinitrotoluene	40 ug/mL
							2,6-Dinitrotoluene	40 ug/mL
							2-Chloronaphthalene	40 ug/mL
							2-Chlorophenol	40 ug/mL
							2-Methylnaphthalene	40 ug/mL
							2-Methylphenol	40 ug/mL
							2-Nitroaniline	40 ug/mL
							2-Nitrophenol	40 ug/mL
							3-Nitroaniline	40 ug/mL
							4,6-Dinitro-2-methylphenol	40 ug/mL
							4-Bromophenyl phenyl ether	40 ug/mL
							4-Chloro-3-methylphenol	40 ug/mL
							4-Chloroaniline	40 ug/mL
							4-Chlorophenyl phenyl ether	40 ug/mL
							4-Nitroaniline	40 ug/mL
							4-Nitrophenol	40 ug/mL
							Acenaphthene	40 ug/mL
							Acenaphthylene	40 ug/mL
							Anthracene	40 ug/mL
							Benzo[a]anthracene	40 ug/mL
							Benzo[a]pyrene	40 ug/mL
							Benzo[b]fluoranthene	40 ug/mL
							Benzo[g,h,i]perylene	40 ug/mL
							Benzo[k]fluoranthene	40 ug/mL
							Bis(2-chloroethoxy)methane	40 ug/mL
							Bis(2-chloroethyl)ether	40 ug/mL
							Bis(2-ethylhexyl) phthalate	40 ug/mL
							Butyl benzyl phthalate	40 ug/mL
							Carbazole	40 ug/mL
							Chrysene	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Di-n-butyl phthalate	40 ug/mL
							Di-n-octyl phthalate	40 ug/mL
							Dibenz(a,h)anthracene	40 ug/mL
							Dibenzofuran	40 ug/mL
							Diethyl phthalate	40 ug/mL
							Dimethyl phthalate	40 ug/mL
							Fluoranthene	40 ug/mL
							Fluorene	40 ug/mL
							Hexachlorobenzene	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Hexachlorocyclopentadiene	40 ug/mL
							Hexachloroethane	40 ug/mL
							Indeno[1,2,3-cd]pyrene	40 ug/mL
							Isophorone	40 ug/mL
							Methylphenol, 3 & 4	40 ug/mL
							N-Nitrosodi-n-propylamine	40 ug/mL
							N-Nitrosodimethylamine	40 ug/mL
							Naphthalene	40 ug/mL
							Nitrobenzene	40 ug/mL
							Pentachlorophenol	40 ug/mL
							Phenanthrene	40 ug/mL
							Phenol	40 ug/mL
							Pyrene	40 ug/mL
					SVINDENEs_00010	0.4 mL	Indene	40 ug/mL
					SVNNDIPHENAMs_00002	0.08 mL	N-Nitrosodiphenylamine	40 ug/mL
					SVNNITROPYROs_00001	0.4 mL	N-Nitrosopyrrolidine	40 ug/mL
..SV ADDON MIXs_00003	01/31/13	Supelco, Lot LB 879735			(Purchased Reagent)		1-Methylnaphthalene	2000 ug/mL
							2,3,4,6-Tetrachlorophenol	2000 ug/mL
							2,3,5,6-Tetrachlorophenol	2000 ug/mL
							2-Naphthylamine	2000 ug/mL
							7,12-Dimethylbenz(a)anthracene	2000 ug/mL
							Methyl methanesulfonate	2000 ug/mL
..SV1245TCBENZs_00001	09/09/13	Absolute Standards, Lot 090908			(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
..SV14DIOXANEs_00002	10/31/16	Restek, Lot A077490			(Purchased Reagent)		1,4-Dioxane	2000 ug/mL
..SV26DCPHENOLs_00001	08/31/13	Supelco, Lot LB78166			(Purchased Reagent)		2,6-Dichlorophenol	5000 ug/mL
..SVACIDSURMIXs_00001	01/31/13	Ultra Scientific, Lot CF-5141			(Purchased Reagent)		2,4,6-Tribromophenol	2000 ug/mL
							2-Fluorophenol	2000 ug/mL
							Phenol-d5	2000 ug/mL
..SVBENZIDINEs_00008	01/27/13	Supelco, Lot LB79050			(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SVBNSURMIXs_00003	08/30/13	Ultra Scientific, Lot CG-2463			(Purchased Reagent)		2-Fluorobiphenyl	1000 ug/mL
							Nitrobenzene-d5	1000 ug/mL
							Terphenyl-d14	1000 ug/mL
..SVCALIBMIX4s_00002	11/30/14	Supelco, Lot LB88725			(Purchased Reagent)		Aniline	2000 ug/mL
							Benzoic acid	2000 ug/mL
							Benzyl alcohol	2000 ug/mL
							Pyridine	2000 ug/mL
..SVCLPOLM4MIXs_00003	04/30/13	Supelco, Lot LB73726			(Purchased Reagent)		1,1'-Biphenyl	2000 ug/mL
							Acetophenone	2000 ug/mL
							Atrazine	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SVCLPSVMIXs_00005	09/30/13	Supelco, Lot lb78428			(Purchased Reagent)		1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	1000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							Methylphenol, 3 & 4	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
..SVINDENEs_00010	10/10/13	Absolute Standards, Lot 101011			(Purchased Reagent)		Indene	1000 ug/mL
..SVNNDIPHENAMs_00002	06/30/13	Supelco, Lot LB76738			(Purchased Reagent)		N-Nitrosodiphenylamine	5000 ug/mL
..SVNNITROPYROs_00001	12/09/14	Absolute Standards, Lot 120909			(Purchased Reagent)		N-Nitrosopyrrolidine	1000 ug/mL
.SVSIMINTERNi_00009	12/17/12	12/17/11	MeCl2, Lot 222635	10 mL	SVINTSTDMIXs_00002	2 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..SVINTSTDMIXs_00002	07/31/13	Supelco, Lot LB77211			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SVLLSSTD60i_00006	12/12/12	07/30/12	MeCl2, Lot 480019	1 mL	SVLLSTOCKi_00008	0.75 mL	1-Methylnaphthalene	30 ug/mL
							2,3,4,6-Tetrachlorophenol	30 ug/mL
							2,3,5,6-Tetrachlorophenol	30 ug/mL
							2-Naphthylamine	30 ug/mL
							7,12-Dimethylbenz(a)anthracene	30 ug/mL
							Methyl methanesulfonate	30 ug/mL
							1,2,4,5-Tetrachlorobenzene	30 ug/mL
							1,4-Dioxane	30 ug/mL
							2,6-Dichlorophenol	30 ug/mL
							2,4,6-Tribromophenol	30 ug/mL
							2-Fluorophenol	30 ug/mL
							Phenol-d5	30 ug/mL
							3,3'-Dichlorobenzidine	30 ug/mL
							Benzidine	30 ug/mL
							2-Fluorobiphenyl	30 ug/mL
							Nitrobenzene-d5	30 ug/mL
							Terphenyl-d14	30 ug/mL
							Aniline	30 ug/mL
							Benzoic acid	30 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl alcohol	30 ug/mL
							Pyridine	30 ug/mL
							1,1'-Biphenyl	30 ug/mL
							Acetophenone	30 ug/mL
							Atrazine	30 ug/mL
							Benzaldehyde	30 ug/mL
							Caprolactam	30 ug/mL
							1,2,4-Trichlorobenzene	30 ug/mL
							1,2-Dichlorobenzene	30 ug/mL
							1,2-Diphenylhydrazine	30 ug/mL
							1,3-Dichlorobenzene	30 ug/mL
							1,4-Dichlorobenzene	30 ug/mL
							2,2'-oxybis[1-chloropropane]	30 ug/mL
							2,4,5-Trichlorophenol	30 ug/mL
							2,4,6-Trichlorophenol	30 ug/mL
							2,4-Dichlorophenol	30 ug/mL
							2,4-Dimethylphenol	30 ug/mL
							2,4-Dinitrophenol	30 ug/mL
							2,4-Dinitrotoluene	30 ug/mL
							2,6-Dinitrotoluene	30 ug/mL
							2-Chloronaphthalene	30 ug/mL
							2-Chlorophenol	30 ug/mL
							2-Methylnaphthalene	30 ug/mL
							2-Methylphenol	30 ug/mL
							2-Nitroaniline	30 ug/mL
							2-Nitrophenol	30 ug/mL
							3-Nitroaniline	30 ug/mL
							4,6-Dinitro-2-methylphenol	30 ug/mL
							4-Bromophenyl phenyl ether	30 ug/mL
							4-Chloro-3-methylphenol	30 ug/mL
							4-Chloroaniline	30 ug/mL
							4-Chlorophenyl phenyl ether	30 ug/mL
							4-Nitroaniline	30 ug/mL
							4-Nitrophenol	30 ug/mL
							Acenaphthene	30 ug/mL
							Acenaphthylene	30 ug/mL
							Anthracene	30 ug/mL
							Benzo[a]anthracene	30 ug/mL
							Benzo[a]pyrene	30 ug/mL
							Benzo[b]fluoranthene	30 ug/mL
							Benzo[g,h,i]perylene	30 ug/mL
							Benzo[k]fluoranthene	30 ug/mL
							Bis(2-chloroethoxy)methane	30 ug/mL
							Bis(2-chloroethyl)ether	30 ug/mL
							Bis(2-ethylhexyl) phthalate	30 ug/mL
							Butyl benzyl phthalate	30 ug/mL
							Carbazole	30 ug/mL
							Chrysene	30 ug/mL
							Di-n-butyl phthalate	30 ug/mL
							Di-n-octyl phthalate	30 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenz(a,h)anthracene	30 ug/mL
							Dibenzofuran	30 ug/mL
							Diethyl phthalate	30 ug/mL
							Dimethyl phthalate	30 ug/mL
							Fluoranthene	30 ug/mL
							Fluorene	30 ug/mL
							Hexachlorobenzene	30 ug/mL
							Hexachlorobutadiene	30 ug/mL
							Hexachlorocyclopentadiene	30 ug/mL
							Hexachloroethane	30 ug/mL
							Indeno[1,2,3-cd]pyrene	30 ug/mL
							Isophorone	30 ug/mL
							Methylphenol, 3 & 4	30 ug/mL
							N-Nitrosodi-n-propylamine	30 ug/mL
							N-Nitrosodimethylamine	30 ug/mL
							Naphthalene	30 ug/mL
							Nitrobenzene	30 ug/mL
							Pentachlorophenol	30 ug/mL
							Phenanthrene	30 ug/mL
							Phenol	30 ug/mL
							Pyrene	30 ug/mL
							Indene	30 ug/mL
							N-Nitrosodiphenylamine	30 ug/mL
							N-Nitrosopyrrolidine	30 ug/mL
					SVSIMINTERNi_00009	0.01 mL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
.SVLLSTOCKi_00008	01/27/13	07/30/12	MeCl2, Lot 299751	10 mL	SV ADDON MIXs_00003	0.2 mL	1-Methylnaphthalene	40 ug/mL
							2,3,4,6-Tetrachlorophenol	40 ug/mL
							2,3,5,6-Tetrachlorophenol	40 ug/mL
							2-Naphthylamine	40 ug/mL
							7,12-Dimethylbenz(a)anthracene	40 ug/mL
							Methyl methanesulfonate	40 ug/mL
					SV1245TCBENZs_00001	0.4 mL	1,2,4,5-Tetrachlorobenzene	40 ug/mL
					SV14DIOXANEs_00002	0.2 mL	1,4-Dioxane	40 ug/mL
					SV26DCPHENOLs_00001	0.08 mL	2,6-Dichlorophenol	40 ug/mL
					SVACIDSURMIXs_00001	0.2 mL	2,4,6-Tribromophenol	40 ug/mL
							2-Fluorophenol	40 ug/mL
							Phenol-d5	40 ug/mL
					SVBENZIDINEs_00008	0.2 mL	3,3'-Dichlorobenzidine	40 ug/mL
							Benzidine	40 ug/mL
					SVBNSURMIXs_00003	0.4 mL	2-Fluorobiphenyl	40 ug/mL
							Nitrobenzene-d5	40 ug/mL
							Terphenyl-d14	40 ug/mL
					SVCALIBMIX4s_00002	0.2 mL	Aniline	40 ug/mL
							Benzoic acid	40 ug/mL
							Benzyl alcohol	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyridine	40 ug/mL
					SVCLPOLM4MIXs_00003	0.2 mL	1,1'-Biphenyl	40 ug/mL
							Acetophenone	40 ug/mL
							Atrazine	40 ug/mL
							Benzaldehyde	40 ug/mL
							Caprolactam	40 ug/mL
					SVCLPSVMIXs_00005	0.4 mL	1,2,4-Trichlorobenzene	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Diphenylhydrazine	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							2,2'-oxybis[1-chloropropane]	40 ug/mL
							2,4,5-Trichlorophenol	40 ug/mL
							2,4,6-Trichlorophenol	40 ug/mL
							2,4-Dichlorophenol	40 ug/mL
							2,4-Dimethylphenol	40 ug/mL
							2,4-Dinitrophenol	40 ug/mL
							2,4-Dinitrotoluene	40 ug/mL
							2,6-Dinitrotoluene	40 ug/mL
							2-Chloronaphthalene	40 ug/mL
							2-Chlorophenol	40 ug/mL
							2-Methylnaphthalene	40 ug/mL
							2-Methylphenol	40 ug/mL
							2-Nitroaniline	40 ug/mL
							2-Nitrophenol	40 ug/mL
							3-Nitroaniline	40 ug/mL
							4,6-Dinitro-2-methylphenol	40 ug/mL
							4-Bromophenyl phenyl ether	40 ug/mL
							4-Chloro-3-methylphenol	40 ug/mL
							4-Chloroaniline	40 ug/mL
							4-Chlorophenyl phenyl ether	40 ug/mL
							4-Nitroaniline	40 ug/mL
							4-Nitrophenol	40 ug/mL
							Acenaphthene	40 ug/mL
							Acenaphthylene	40 ug/mL
							Anthracene	40 ug/mL
							Benzo[a]anthracene	40 ug/mL
							Benzo[a]pyrene	40 ug/mL
							Benzo[b]fluoranthene	40 ug/mL
							Benzo[g,h,i]perylene	40 ug/mL
							Benzo[k]fluoranthene	40 ug/mL
							Bis(2-chloroethoxy)methane	40 ug/mL
							Bis(2-chloroethyl)ether	40 ug/mL
							Bis(2-ethylhexyl) phthalate	40 ug/mL
							Butyl benzyl phthalate	40 ug/mL
							Carbazole	40 ug/mL
							Chrysene	40 ug/mL
							Di-n-butyl phthalate	40 ug/mL
							Di-n-octyl phthalate	40 ug/mL
							Dibenz(a,h)anthracene	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenzofuran	40 ug/mL
							Diethyl phthalate	40 ug/mL
							Dimethyl phthalate	40 ug/mL
							Fluoranthene	40 ug/mL
							Fluorene	40 ug/mL
							Hexachlorobenzene	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Hexachlorocyclopentadiene	40 ug/mL
							Hexachloroethane	40 ug/mL
							Indeno[1,2,3-cd]pyrene	40 ug/mL
							Isophorone	40 ug/mL
							Methylphenol, 3 & 4	40 ug/mL
							N-Nitrosodi-n-propylamine	40 ug/mL
							N-Nitrosodimethylamine	40 ug/mL
							Naphthalene	40 ug/mL
							Nitrobenzene	40 ug/mL
							Pentachlorophenol	40 ug/mL
							Phenanthrene	40 ug/mL
							Phenol	40 ug/mL
							Pyrene	40 ug/mL
					SVINDENEs_00010	0.4 mL	Indene	40 ug/mL
					SVNNDIPHENAMs_00002	0.08 mL	N-Nitrosodiphenylamine	40 ug/mL
					SVNNITROPYROs_00001	0.4 mL	N-Nitrosopyrrolidine	40 ug/mL
..SV ADDON MIXs_00003	01/31/13	Supelco, Lot LB 879735			(Purchased Reagent)		1-Methylnaphthalene	2000 ug/mL
							2,3,4,6-Tetrachlorophenol	2000 ug/mL
							2,3,5,6-Tetrachlorophenol	2000 ug/mL
							2-Naphthylamine	2000 ug/mL
							7,12-Dimethylbenz(a)anthracene	2000 ug/mL
							Methyl methanesulfonate	2000 ug/mL
..SV1245TCBENZs_00001	09/09/13	Absolute Standards, Lot 090908			(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
..SV14DIOXANEs_00002	10/31/16	Restek, Lot A077490			(Purchased Reagent)		1,4-Dioxane	2000 ug/mL
..SV26DCPHENOLs_00001	08/31/13	Supelco, Lot LB78166			(Purchased Reagent)		2,6-Dichlorophenol	5000 ug/mL
..SVACIDSURMIXs_00001	01/31/13	Ultra Scientific, Lot CF-5141			(Purchased Reagent)		2,4,6-Tribromophenol	2000 ug/mL
							2-Fluorophenol	2000 ug/mL
							Phenol-d5	2000 ug/mL
..SVBENZIDINEs_00008	01/27/13	Supelco, Lot LB79050			(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SVBNSURMIXs_00003	08/30/13	Ultra Scientific, Lot CG-2463			(Purchased Reagent)		2-Fluorobiphenyl	1000 ug/mL
							Nitrobenzene-d5	1000 ug/mL
							Terphenyl-d14	1000 ug/mL
..SVCALIBMIX4s_00002	11/30/14	Supelco, Lot LB88725			(Purchased Reagent)		Aniline	2000 ug/mL
							Benzoic acid	2000 ug/mL
							Benzyl alcohol	2000 ug/mL
							Pyridine	2000 ug/mL
..SVCLPOLM4MIXs_00003	04/30/13	Supelco, Lot LB73726			(Purchased Reagent)		1,1'-Biphenyl	2000 ug/mL
							Acetophenone	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SVCLPSVMIXs_00005	09/30/13	Supelco, Lot lb78428			(Purchased Reagent)		1,2,4-Trichlorobenzene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	1000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							Methylphenol, 3 & 4	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
..SVINDENEs_00010	10/10/13	Absolute Standards, Lot 101011			(Purchased Reagent)		Indene	1000 ug/mL
..SVNNDIPHENAMs_00002	06/30/13	Supelco, Lot LB76738			(Purchased Reagent)		N-Nitrosodiphenylamine	5000 ug/mL
..SVNNITROPYROs_00001	12/09/14	Absolute Standards, Lot 120909			(Purchased Reagent)		N-Nitrosopyrrolidine	1000 ug/mL
.SVSIMINTERNi_00009	12/17/12	12/17/11	MeCl2, Lot 222635	10 mL	SVINTSTDMIXs_00002	2 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..SVINTSTDMIXs_00002	07/31/13	Supelco, Lot LB77211			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SVLLSSTD80i_00006	12/12/12	07/30/12	MeCl2, Lot 480019	1 mL	SVLLSTOCKi_00008	1 mL	1-Methylnaphthalene	40 ug/mL
							2,3,4,6-Tetrachlorophenol	40 ug/mL
							2,3,5,6-Tetrachlorophenol	40 ug/mL
							2-Naphthylamine	40 ug/mL
							7,12-Dimethylbenz(a)anthracene	40 ug/mL
							Methyl methanesulfonate	40 ug/mL
							1,2,4,5-Tetrachlorobenzene	40 ug/mL
							1,4-Dioxane	40 ug/mL
							2,6-Dichlorophenol	40 ug/mL
							2,4,6-Tribromophenol	40 ug/mL
							2-Fluorophenol	40 ug/mL
							Phenol-d5	40 ug/mL
							3,3'-Dichlorobenzidine	40 ug/mL
							Benzidine	40 ug/mL
							2-Fluorobiphenyl	40 ug/mL
							Nitrobenzene-d5	40 ug/mL
							Terphenyl-d14	40 ug/mL
							Aniline	40 ug/mL
							Benzoic acid	40 ug/mL
							Benzyl alcohol	40 ug/mL
							Pyridine	40 ug/mL
							1,1'-Biphenyl	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetophenone	40 ug/mL
							Atrazine	40 ug/mL
							Benzaldehyde	40 ug/mL
							Caprolactam	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Diphenylhydrazine	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							2,2'-oxybis[1-chloropropane]	40 ug/mL
							2,4,5-Trichlorophenol	40 ug/mL
							2,4,6-Trichlorophenol	40 ug/mL
							2,4-Dichlorophenol	40 ug/mL
							2,4-Dimethylphenol	40 ug/mL
							2,4-Dinitrophenol	40 ug/mL
							2,4-Dinitrotoluene	40 ug/mL
							2,6-Dinitrotoluene	40 ug/mL
							2-Chloronaphthalene	40 ug/mL
							2-Chlorophenol	40 ug/mL
							2-Methylnaphthalene	40 ug/mL
							2-Methylphenol	40 ug/mL
							2-Nitroaniline	40 ug/mL
							2-Nitrophenol	40 ug/mL
							3-Nitroaniline	40 ug/mL
							4,6-Dinitro-2-methylphenol	40 ug/mL
							4-Bromophenyl phenyl ether	40 ug/mL
							4-Chloro-3-methylphenol	40 ug/mL
							4-Chloroaniline	40 ug/mL
							4-Chlorophenyl phenyl ether	40 ug/mL
							4-Nitroaniline	40 ug/mL
							4-Nitrophenol	40 ug/mL
							Acenaphthene	40 ug/mL
							Acenaphthylene	40 ug/mL
							Anthracene	40 ug/mL
							Benzo[a]anthracene	40 ug/mL
							Benzo[a]pyrene	40 ug/mL
							Benzo[b]fluoranthene	40 ug/mL
							Benzo[g,h,i]perylene	40 ug/mL
							Benzo[k]fluoranthene	40 ug/mL
							Bis(2-chloroethoxy)methane	40 ug/mL
							Bis(2-chloroethyl)ether	40 ug/mL
							Bis(2-ethylhexyl) phthalate	40 ug/mL
							Butyl benzyl phthalate	40 ug/mL
							Carbazole	40 ug/mL
							Chrysene	40 ug/mL
							Di-n-butyl phthalate	40 ug/mL
							Di-n-octyl phthalate	40 ug/mL
							Dibenz(a,h)anthracene	40 ug/mL
							Dibenzofuran	40 ug/mL
							Diethyl phthalate	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dimethyl phthalate	40 ug/mL
							Fluoranthene	40 ug/mL
							Fluorene	40 ug/mL
							Hexachlorobenzene	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Hexachlorocyclopentadiene	40 ug/mL
							Hexachloroethane	40 ug/mL
							Indeno[1,2,3-cd]pyrene	40 ug/mL
							Isophorone	40 ug/mL
							Methylphenol, 3 & 4	40 ug/mL
							N-Nitrosodi-n-propylamine	40 ug/mL
							N-Nitrosodimethylamine	40 ug/mL
							Naphthalene	40 ug/mL
							Nitrobenzene	40 ug/mL
							Pentachlorophenol	40 ug/mL
							Phenanthrene	40 ug/mL
							Phenol	40 ug/mL
							Pyrene	40 ug/mL
							Indene	40 ug/mL
							N-Nitrosodiphenylamine	40 ug/mL
							N-Nitrosopyrrolidine	40 ug/mL
					SVSIMINTERNi_00009	0.01 mL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
.SVLLSTOCKi_00008	01/27/13	07/30/12	MeCl2, Lot 299751	10 mL	SV ADDON MIXs_00003	0.2 mL	1-Methylnaphthalene	40 ug/mL
							2,3,4,6-Tetrachlorophenol	40 ug/mL
							2,3,5,6-Tetrachlorophenol	40 ug/mL
							2-Naphthylamine	40 ug/mL
							7,12-Dimethylbenz(a)anthracene	40 ug/mL
							Methyl methanesulfonate	40 ug/mL
					SV1245TCBENZs_00001	0.4 mL	1,2,4,5-Tetrachlorobenzene	40 ug/mL
					SV14DIOXANEs_00002	0.2 mL	1,4-Dioxane	40 ug/mL
					SV26DCPHENOLs_00001	0.08 mL	2,6-Dichlorophenol	40 ug/mL
					SVACIDSURMIXs_00001	0.2 mL	2,4,6-Tribromophenol	40 ug/mL
							2-Fluorophenol	40 ug/mL
							Phenol-d5	40 ug/mL
					SVBENZIDINEs_00008	0.2 mL	3,3'-Dichlorobenzidine	40 ug/mL
							Benzidine	40 ug/mL
					SVBNSURMIXs_00003	0.4 mL	2-Fluorobiphenyl	40 ug/mL
							Nitrobenzene-d5	40 ug/mL
							Terphenyl-d14	40 ug/mL
					SVCALIBMIX4s_00002	0.2 mL	Aniline	40 ug/mL
							Benzoic acid	40 ug/mL
							Benzyl alcohol	40 ug/mL
							Pyridine	40 ug/mL
					SVCLPOLM4MIXs_00003	0.2 mL	1,1'-Biphenyl	40 ug/mL
							Acetophenone	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Atrazine	40 ug/mL
							Benzaldehyde	40 ug/mL
							Caprolactam	40 ug/mL
					SVCLPSVMIXs_00005	0.4 mL	1,2,4-Trichlorobenzene	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Diphenylhydrazine	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							2,2'-oxybis[1-chloropropane]	40 ug/mL
							2,4,5-Trichlorophenol	40 ug/mL
							2,4,6-Trichlorophenol	40 ug/mL
							2,4-Dichlorophenol	40 ug/mL
							2,4-Dimethylphenol	40 ug/mL
							2,4-Dinitrophenol	40 ug/mL
							2,4-Dinitrotoluene	40 ug/mL
							2,6-Dinitrotoluene	40 ug/mL
							2-Chloronaphthalene	40 ug/mL
							2-Chlorophenol	40 ug/mL
							2-Methylnaphthalene	40 ug/mL
							2-Methylphenol	40 ug/mL
							2-Nitroaniline	40 ug/mL
							2-Nitrophenol	40 ug/mL
							3-Nitroaniline	40 ug/mL
							4,6-Dinitro-2-methylphenol	40 ug/mL
							4-Bromophenyl phenyl ether	40 ug/mL
							4-Chloro-3-methylphenol	40 ug/mL
							4-Chloroaniline	40 ug/mL
							4-Chlorophenyl phenyl ether	40 ug/mL
							4-Nitroaniline	40 ug/mL
							4-Nitrophenol	40 ug/mL
							Acenaphthene	40 ug/mL
							Acenaphthylene	40 ug/mL
							Anthracene	40 ug/mL
							Benzo[a]anthracene	40 ug/mL
							Benzo[a]pyrene	40 ug/mL
							Benzo[b]fluoranthene	40 ug/mL
							Benzo[g,h,i]perylene	40 ug/mL
							Benzo[k]fluoranthene	40 ug/mL
							Bis(2-chloroethoxy)methane	40 ug/mL
							Bis(2-chloroethyl)ether	40 ug/mL
							Bis(2-ethylhexyl) phthalate	40 ug/mL
							Butyl benzyl phthalate	40 ug/mL
							Carbazole	40 ug/mL
							Chrysene	40 ug/mL
							Di-n-butyl phthalate	40 ug/mL
							Di-n-octyl phthalate	40 ug/mL
							Dibenz(a,h)anthracene	40 ug/mL
							Dibenzofuran	40 ug/mL
							Diethyl phthalate	40 ug/mL
							Dimethyl phthalate	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluoranthene	40 ug/mL
							Fluorene	40 ug/mL
							Hexachlorobenzene	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Hexachlorocyclopentadiene	40 ug/mL
							Hexachloroethane	40 ug/mL
							Indeno[1,2,3-cd]pyrene	40 ug/mL
							Isophorone	40 ug/mL
							Methylphenol, 3 & 4	40 ug/mL
							N-Nitrosodi-n-propylamine	40 ug/mL
							N-Nitrosodimethylamine	40 ug/mL
							Naphthalene	40 ug/mL
							Nitrobenzene	40 ug/mL
							Pentachlorophenol	40 ug/mL
							Phenanthrene	40 ug/mL
							Phenol	40 ug/mL
							Pyrene	40 ug/mL
					SVINDENEs_00010	0.4 mL	Indene	40 ug/mL
					SVNNDIPHENAMs_00002	0.08 mL	N-Nitrosodiphenylamine	40 ug/mL
					SVNNITROPYROs_00001	0.4 mL	N-Nitrosopyrrolidine	40 ug/mL
..SV ADDON MIXs_00003	01/31/13	Supelco, Lot LB 879735			(Purchased Reagent)		1-Methylnaphthalene	2000 ug/mL
							2,3,4,6-Tetrachlorophenol	2000 ug/mL
							2,3,5,6-Tetrachlorophenol	2000 ug/mL
							2-Naphthylamine	2000 ug/mL
							7,12-Dimethylbenz(a)anthracene	2000 ug/mL
							Methyl methanesulfonate	2000 ug/mL
..SV1245TCBENZs_00001	09/09/13	Absolute Standards, Lot 090908			(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
..SV14DIOXANEs_00002	10/31/16	Restek, Lot A077490			(Purchased Reagent)		1,4-Dioxane	2000 ug/mL
..SV26DCPHENOLs_00001	08/31/13	Supelco, Lot LB78166			(Purchased Reagent)		2,6-Dichlorophenol	5000 ug/mL
..SVACIDSURMIXs_00001	01/31/13	Ultra Scientific, Lot CF-5141			(Purchased Reagent)		2,4,6-Tribromophenol	2000 ug/mL
							2-Fluorophenol	2000 ug/mL
							Phenol-d5	2000 ug/mL
..SVBENZIDINEs_00008	01/27/13	Supelco, Lot LB79050			(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SVBNSURMIXs_00003	08/30/13	Ultra Scientific, Lot CG-2463			(Purchased Reagent)		2-Fluorobiphenyl	1000 ug/mL
							Nitrobenzene-d5	1000 ug/mL
							Terphenyl-d14	1000 ug/mL
..SVCALIBMIX4s_00002	11/30/14	Supelco, Lot LB88725			(Purchased Reagent)		Aniline	2000 ug/mL
							Benzoic acid	2000 ug/mL
							Benzyl alcohol	2000 ug/mL
							Pyridine	2000 ug/mL
..SVCLPOLM4MIXs_00003	04/30/13	Supelco, Lot LB73726			(Purchased Reagent)		1,1'-Biphenyl	2000 ug/mL
							Acetophenone	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SVCLPSVMIXs_00005	09/30/13	Supelco, Lot lb78428			(Purchased Reagent)		1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dichlorobenzene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	1000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isophorone	1000 ug/mL
							Methylphenol, 3 & 4	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
..SVINDENEs_00010	10/10/13	Absolute Standards, Lot 101011			(Purchased Reagent)		Indene	1000 ug/mL
..SVNNDIPHENAMs_00002	06/30/13	Supelco, Lot LB76738			(Purchased Reagent)		N-Nitrosodiphenylamine	5000 ug/mL
..SVNNITROPYROs_00001	12/09/14	Absolute Standards, Lot 120909			(Purchased Reagent)		N-Nitrosopyrrolidine	1000 ug/mL
.SVSIMINTERNi_00009	12/17/12	12/17/11	MeCl2, Lot 222635	10 mL	SVINTSTDMIXs_00002	2 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..SVINTSTDMIXs_00002	07/31/13	Supelco, Lot LB77211			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
VOA 2cleveULT_00001	10/04/12	09/27/12	Methanol, Lot DG596	2 mL	VOA2CEVEULT_00061	1 mL	2-Chloroethyl vinyl ether	50 ug/mL
.VOA2CEVEULT_00061	06/30/14	Ultra, Lot CF-0059Z			(Purchased Reagent)		2-Chloroethyl vinyl ether	100 ug/mL
VOA2CEVERES_00009	09/18/12	09/11/12	Methanol, Lot DG596	5 mL	VOARES2CEVE_00017	0.125 mL	2-Chloroethyl vinyl ether	50 ug/mL
.VOARES2CEVE_00017	07/01/16	RESTEK, Lot A083143			(Purchased Reagent)		2-Chloroethyl vinyl ether	2000 ug/mL
VOA8260BINT_00127	09/30/12	08/30/12	Methanol, Lot DG596	100 mL	VOA8260BINT_00122	1 mL	1,4-Dichlorobenzene-d4	25 ug/mL
							Chlorobenzene-d5	25 ug/mL
							Fluorobenzene (IS)	25 ug/mL
.VOA8260BINT_00122	12/31/14	Ultra, Lot CH-3660			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
VOA8260BSURR_00125	09/30/12	08/30/12	Methanol, Lot DG596	100 mL	VOA8260BSURR_00086	1 mL	1,2-Dichloroethane-d4 (Surr)	25 ug/mL
							4-Bromofluorobenzene (Surr)	25 ug/mL
							Dibromofluoromethane (Surr)	25 ug/mL
							Toluene-d8 (Surr)	25 ug/mL
.VOA8260BSURR_00086	12/31/13	Ultra, Lot CG-3959			(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
VOA8260BSURR_00126	10/20/12	09/20/12	Methanol, Lot DG596	100 mL	VOA8260BSURR_00100	1 mL	1,2-Dichloroethane-d4 (Surr)	25 ug/mL
							4-Bromofluorobenzene (Surr)	25 ug/mL
							Dibromofluoromethane (Surr)	25 ug/mL
							Toluene-d8 (Surr)	25 ug/mL
.VOA8260BSURR_00100	05/31/15	Ultra, Lot CJ1280			(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
VOA8260RESTEK_00015	09/15/12	09/08/12	Methanol, Lot DG596	8 mL	VOA8260VOARES_00062	1 mL	1,1,2-Trichloro-1,2,2-trifluor oethane	25 ug/mL
							Cyclohexane	25 ug/mL
							Methyl acetate	25 ug/mL
							Methylcyclohexane	25 ug/mL
							Carbon disulfide	25 ug/mL
							2-Butanone (MEK)	25 ug/mL
							2-Hexanone	25 ug/mL
							4-Methyl-2-pentanone (MIBK)	25 ug/mL
							Acetone	25 ug/mL
							1,1,1,2-Tetrachloroethane	25 ug/mL
							1,1,1-Trichloroethane	25 ug/mL
							1,1,2,2-Tetrachloroethane	25 ug/mL
							1,1,2-Trichloroethane	25 ug/mL
							1,1-Dichloroethane	25 ug/mL
							1,1-Dichloroethene	25 ug/mL
							1,1-Dichloropropene	25 ug/mL
							1,2,3-Trichlorobenzene	25 ug/mL
							1,2,3-Trichloropropane	25 ug/mL
							1,2,4-Trichlorobenzene	25 ug/mL
							1,2,4-Trimethylbenzene	25 ug/mL
							1,2-Dibromo-3-Chloropropane	25 ug/mL
							1,2-Dibromoethane (EDB)	25 ug/mL
							1,2-Dichlorobenzene	25 ug/mL
							1,2-Dichloroethane	25 ug/mL
							1,2-Dichloropropane	25 ug/mL
							1,3,5-Trimethylbenzene	25 ug/mL
							1,3-Dichlorobenzene	25 ug/mL
							1,3-Dichloropropane	25 ug/mL
							1,4-Dichlorobenzene	25 ug/mL
							2,2-Dichloropropane	25 ug/mL
							2-Chlorotoluene	25 ug/mL
							4-Chlorotoluene	25 ug/mL
							4-Isopropyltoluene	25 ug/mL
							Benzene	25 ug/mL
							Bromobenzene	25 ug/mL
							Bromodichloromethane	25 ug/mL
							Bromoform	25 ug/mL
							Carbon tetrachloride	25 ug/mL
							Chlorobenzene	25 ug/mL
							Chlorobromomethane	25 ug/mL
							Chloroform	25 ug/mL
							cis-1,2-Dichloroethene	25 ug/mL
							cis-1,3-Dichloropropene	25 ug/mL
							Dibromochloromethane	25 ug/mL
							Dibromomethane	25 ug/mL
							Ethylbenzene	25 ug/mL
							Hexachlorobutadiene	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isopropylbenzene	25 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methylene Chloride	25 ug/mL
							n-Butylbenzene	25 ug/mL
							N-Propylbenzene	25 ug/mL
							Naphthalene	25 ug/mL
							o-Xylene	25 ug/mL
							sec-Butylbenzene	25 ug/mL
							Styrene	25 ug/mL
							tert-Butylbenzene	25 ug/mL
							Tetrachloroethene	25 ug/mL
							Toluene	25 ug/mL
							trans-1,2-Dichloroethene	25 ug/mL
							trans-1,3-Dichloropropene	25 ug/mL
							Trichloroethene	25 ug/mL
							Methyl tert-butyl ether	25 ug/mL
					VOAGASMIXRES_00087	1 mL	Bromomethane	25 ug/mL
							Chloroethane	25 ug/mL
							Chloromethane	25 ug/mL
							Dichlorodifluoromethane	25 ug/mL
							Trichlorofluoromethane	25 ug/mL
							Vinyl chloride	25 ug/mL
.VOA8260VOARES_00062	09/29/12	08/29/12	Methanol, Lot DG596	10 mL	VOABonusABS_00021	1 mL	1,1,2-Trichloro-1,2,2-trifluor oethane	200 ug/mL
							Cyclohexane	200 ug/mL
							Methyl acetate	200 ug/mL
							Methylcyclohexane	200 ug/mL
					VOACS2Restek_00028	1 mL	Carbon disulfide	200 ug/mL
					VOAKETONEREST_00045	0.4 mL	2-Butanone (MEK)	200 ug/mL
							2-Hexanone	200 ug/mL
							4-Methyl-2-pentanone (MIBK)	200 ug/mL
							Acetone	200 ug/mL
					VOAMEGAMIXRES_00024	1 mL	1,1,1,2-Tetrachloroethane	200 ug/mL
							1,1,1-Trichloroethane	200 ug/mL
							1,1,2,2-Tetrachloroethane	200 ug/mL
							1,1,2-Trichloroethane	200 ug/mL
							1,1-Dichloroethane	200 ug/mL
							1,1-Dichloroethene	200 ug/mL
							1,1-Dichloropropene	200 ug/mL
							1,2,3-Trichlorobenzene	200 ug/mL
							1,2,3-Trichloropropane	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2,4-Trimethylbenzene	200 ug/mL
							1,2-Dibromo-3-Chloropropane	200 ug/mL
							1,2-Dibromoethane (EDB)	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Dichloroethane	200 ug/mL
							1,2-Dichloropropane	200 ug/mL
							1,3,5-Trimethylbenzene	200 ug/mL
							1,3-Dichlorobenzene	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dichloropropane	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							2,2-Dichloropropane	200 ug/mL
							2-Chlorotoluene	200 ug/mL
							4-Chlorotoluene	200 ug/mL
							4-Isopropyltoluene	200 ug/mL
							Benzene	200 ug/mL
							Bromobenzene	200 ug/mL
							Bromodichloromethane	200 ug/mL
							Bromoform	200 ug/mL
							Carbon tetrachloride	200 ug/mL
							Chlorobenzene	200 ug/mL
							Chlorobromomethane	200 ug/mL
							Chloroform	200 ug/mL
							cis-1,2-Dichloroethene	200 ug/mL
							cis-1,3-Dichloropropene	200 ug/mL
							Dibromochloromethane	200 ug/mL
							Dibromomethane	200 ug/mL
							Ethylbenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Isopropylbenzene	200 ug/mL
							m-Xylene & p-Xylene	400 ug/mL
							Methylene Chloride	200 ug/mL
							n-Butylbenzene	200 ug/mL
							N-Propylbenzene	200 ug/mL
							Naphthalene	200 ug/mL
							o-Xylene	200 ug/mL
							sec-Butylbenzene	200 ug/mL
							Styrene	200 ug/mL
							tert-Butylbenzene	200 ug/mL
							Tetrachloroethene	200 ug/mL
							Toluene	200 ug/mL
							trans-1,2-Dichloroethene	200 ug/mL
							trans-1,3-Dichloropropene	200 ug/mL
							Trichloroethene	200 ug/mL
					VOAMTBERES_00027	1 mL	Methyl tert-butyl ether	200 ug/mL
..VOABonusABS_00021	04/18/16	Absolute Standards, Inc., Lot 041811			(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluor oethane	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Methyl acetate	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
..VOACS2Restek_00028	09/01/16	Restek, Lot A083790			(Purchased Reagent)		Carbon disulfide	2000 ug/mL
..VOAKETONEREST_00045	02/01/15	Restek, Lot A084962			(Purchased Reagent)		2-Butanone (MEK)	5000 ug/mL
							2-Hexanone	5000 ug/mL
							4-Methyl-2-pentanone (MIBK)	5000 ug/mL
							Acetone	5000 ug/mL
..VOAMEGAMIXRES_00024	01/01/14	Restek, Lot A085823			(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dibromoethane (EDB)	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							4-Isopropyltoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromodichloromethane	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorobromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromochloromethane	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	4000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
..VOAMTBERES_00027	02/01/17		Restek, Lot A086709		(Purchased Reagent)		Methyl tert-butyl ether	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.VOAGASMIXRES_00087	04/01/18		Restek, Lot A083718		(Purchased Reagent)		Bromomethane	200 ug/mL
							Chloroethane	200 ug/mL
							Chloromethane	200 ug/mL
							Dichlorodifluoromethane	200 ug/mL
							Trichlorofluoromethane	200 ug/mL
							Vinyl chloride	200 ug/mL
VOA8260RESTEK_00017	09/29/12	09/24/12	Methanol, Lot DG596	8 mL	VOA8260VOARES_00062	1 mL	1,1,2-Trichloro-1,2,2-trifluor oethane	25 ug/mL
							Cyclohexane	25 ug/mL
							Methyl acetate	25 ug/mL
							Methylcyclohexane	25 ug/mL
							Carbon disulfide	25 ug/mL
							1,1,1-Trichloroethane	25 ug/mL
							1,1,2,2-Tetrachloroethane	25 ug/mL
							1,1,2-Trichloroethane	25 ug/mL
							1,1-Dichloroethane	25 ug/mL
							1,1-Dichloroethene	25 ug/mL
							1,2,4-Trichlorobenzene	25 ug/mL
							1,2-Dibromo-3-Chloropropane	25 ug/mL
							1,2-Dibromoethane (EDB)	25 ug/mL
							1,2-Dichlorobenzene	25 ug/mL
							1,2-Dichloroethane	25 ug/mL
							1,2-Dichloroethene, Total	50 ug/mL
							1,2-Dichloropropane	25 ug/mL
							1,3-Dichlorobenzene	25 ug/mL
							1,4-Dichlorobenzene	25 ug/mL
							Benzene	25 ug/mL
							Bromodichloromethane	25 ug/mL
							Bromoform	25 ug/mL
							Carbon tetrachloride	25 ug/mL
							Chlorobenzene	25 ug/mL
							Chloroform	25 ug/mL
							cis-1,2-Dichloroethene	25 ug/mL
							cis-1,3-Dichloropropene	25 ug/mL
							Dibromochloromethane	25 ug/mL
							Ethylbenzene	25 ug/mL
							Isopropylbenzene	25 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methylene Chloride	25 ug/mL
							o-Xylene	25 ug/mL
							Styrene	25 ug/mL
							Tetrachloroethene	25 ug/mL
							Toluene	25 ug/mL
							trans-1,2-Dichloroethene	25 ug/mL
							trans-1,3-Dichloropropene	25 ug/mL
							Trichloroethene	25 ug/mL
							Xylenes, Total	75 ug/mL
							Methyl tert-butyl ether	25 ug/mL
					VOAGASMIXRES_00089	1 mL	Bromomethane	25 ug/mL
							Chloroethane	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloromethane	25 ug/mL
							Dichlorodifluoromethane	25 ug/mL
							Trichlorofluoromethane	25 ug/mL
							Vinyl chloride	25 ug/mL
.VOA8260VOARES_00062	09/29/12	08/29/12	Methanol, Lot DG596	10 mL	VOABonusABS_00021	1 mL	1,1,2-Trichloro-1,2,2-trifluor oethane	200 ug/mL
							Cyclohexane	200 ug/mL
							Methyl acetate	200 ug/mL
							Methylcyclohexane	200 ug/mL
					VOACS2Restek_00028	1 mL	Carbon disulfide	200 ug/mL
					VOAMEGAMIXRES_00024	1 mL	1,1,1-Trichloroethane	200 ug/mL
							1,1,2,2-Tetrachloroethane	200 ug/mL
							1,1,2-Trichloroethane	200 ug/mL
							1,1-Dichloroethane	200 ug/mL
							1,1-Dichloroethene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dibromo-3-Chloropropane	200 ug/mL
							1,2-Dibromoethane (EDB)	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Dichloroethane	200 ug/mL
							1,2-Dichloroethene, Total	400 ug/mL
							1,2-Dichloropropane	200 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							Benzene	200 ug/mL
							Bromodichloromethane	200 ug/mL
							Bromoform	200 ug/mL
							Carbon tetrachloride	200 ug/mL
							Chlorobenzene	200 ug/mL
							Chloroform	200 ug/mL
							cis-1,2-Dichloroethene	200 ug/mL
							cis-1,3-Dichloropropene	200 ug/mL
							Dibromochloromethane	200 ug/mL
							Ethylbenzene	200 ug/mL
							Isopropylbenzene	200 ug/mL
							m-Xylene & p-Xylene	400 ug/mL
							Methylene Chloride	200 ug/mL
							o-Xylene	200 ug/mL
							Styrene	200 ug/mL
							Tetrachloroethene	200 ug/mL
							Toluene	200 ug/mL
							trans-1,2-Dichloroethene	200 ug/mL
							trans-1,3-Dichloropropene	200 ug/mL
							Trichloroethene	200 ug/mL
							Xylenes, Total	600 ug/mL
					VOAMTBERES_00027	1 mL	Methyl tert-butyl ether	200 ug/mL
..VOABonusABS_00021	04/18/16	Absolute Standards, Inc., Lot 041811			(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluor oethane	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Methyl acetate	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methylcyclohexane	2000 ug/mL
..VOACS2Restek_00028	09/01/16		Restek, Lot A083790		(Purchased Reagent)		Carbon disulfide	2000 ug/mL
..VOAMEGAMIXRES_00024	01/01/14		Restek, Lot A085823		(Purchased Reagent)		1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dibromoethane (EDB)	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloroethene, Total	4000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromodichloromethane	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromochloromethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	4000 ug/mL
							Methylene Chloride	2000 ug/mL
							o-Xylene	2000 ug/mL
							Styrene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
							Xylenes, Total	6000 ug/mL
..VOAMTBERES_00027	02/01/17		Restek, Lot A086709		(Purchased Reagent)		Methyl tert-butyl ether	2000 ug/mL
.VOAGASMIXRES_00089	04/01/18		Restek, Lot A083718		(Purchased Reagent)		Bromomethane	200 ug/mL
							Chloroethane	200 ug/mL
							Chloromethane	200 ug/mL
							Dichlorodifluoromethane	200 ug/mL
							Trichlorofluoromethane	200 ug/mL
							Vinyl chloride	200 ug/mL
VOA8260RESTEK_00018	10/08/12	10/01/12	Methanol, Lot DG596	8 mL	VOA8260VOARES_00063	1 mL	1,1,2-Trichloro-1,2,2-trifluor oethane	25 ug/mL
							Cyclohexane	25 ug/mL
							Methyl acetate	25 ug/mL
							Methylcyclohexane	25 ug/mL
							Carbon disulfide	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,1-Trichloroethane	25 ug/mL
							1,1,2,2-Tetrachloroethane	25 ug/mL
							1,1,2-Trichloroethane	25 ug/mL
							1,1-Dichloroethane	25 ug/mL
							1,1-Dichloroethene	25 ug/mL
							1,2,4-Trichlorobenzene	25 ug/mL
							1,2-Dibromo-3-Chloropropane	25 ug/mL
							1,2-Dibromoethane (EDB)	25 ug/mL
							1,2-Dichlorobenzene	25 ug/mL
							1,2-Dichloroethane	25 ug/mL
							1,2-Dichloroethene, Total	50 ug/mL
							1,2-Dichloropropane	25 ug/mL
							1,3-Dichlorobenzene	25 ug/mL
							1,4-Dichlorobenzene	25 ug/mL
							Benzene	25 ug/mL
							Bromodichloromethane	25 ug/mL
							Bromoform	25 ug/mL
							Carbon tetrachloride	25 ug/mL
							Chlorobenzene	25 ug/mL
							Chloroform	25 ug/mL
							cis-1,2-Dichloroethene	25 ug/mL
							cis-1,3-Dichloropropene	25 ug/mL
							Dibromochloromethane	25 ug/mL
							Ethylbenzene	25 ug/mL
							Isopropylbenzene	25 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methylene Chloride	25 ug/mL
							o-Xylene	25 ug/mL
							Styrene	25 ug/mL
							Tetrachloroethene	25 ug/mL
							Toluene	25 ug/mL
							trans-1,2-Dichloroethene	25 ug/mL
							trans-1,3-Dichloropropene	25 ug/mL
							Trichloroethene	25 ug/mL
							Xylenes, Total	75 ug/mL
							Methyl tert-butyl ether	25 ug/mL
					VOAGASMIXRES_00086	1 mL	Bromomethane	25 ug/mL
							Chloroethane	25 ug/mL
							Chloromethane	25 ug/mL
							Dichlorodifluoromethane	25 ug/mL
							Trichlorofluoromethane	25 ug/mL
							Vinyl chloride	25 ug/mL
.VOA8260VOARES_00063	10/27/12	09/27/12	Methanol, Lot DG596	10 mL	VOABonusABS_00027	1 mL	1,1,2-Trichloro-1,2,2-trifluor oethane	200 ug/mL
							Cyclohexane	200 ug/mL
							Methyl acetate	200 ug/mL
							Methylcyclohexane	200 ug/mL
					VOACS2Restek_00025	1 mL	Carbon disulfide	200 ug/mL
					VOAMEGAMIXRES_00026	1 mL	1,1,1-Trichloroethane	200 ug/mL
							1,1,2,2-Tetrachloroethane	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloroethane	200 ug/mL
							1,1-Dichloroethane	200 ug/mL
							1,1-Dichloroethene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dibromo-3-Chloropropane	200 ug/mL
							1,2-Dibromoethane (EDB)	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Dichloroethane	200 ug/mL
							1,2-Dichloroethene, Total	400 ug/mL
							1,2-Dichloropropane	200 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							Benzene	200 ug/mL
							Bromodichloromethane	200 ug/mL
							Bromoform	200 ug/mL
							Carbon tetrachloride	200 ug/mL
							Chlorobenzene	200 ug/mL
							Chloroform	200 ug/mL
							cis-1,2-Dichloroethene	200 ug/mL
							cis-1,3-Dichloropropene	200 ug/mL
							Dibromochloromethane	200 ug/mL
							Ethylbenzene	200 ug/mL
							Isopropylbenzene	200 ug/mL
							m-Xylene & p-Xylene	400 ug/mL
							Methylene Chloride	200 ug/mL
							o-Xylene	200 ug/mL
							Styrene	200 ug/mL
							Tetrachloroethene	200 ug/mL
							Toluene	200 ug/mL
							trans-1,2-Dichloroethene	200 ug/mL
							trans-1,3-Dichloropropene	200 ug/mL
							Trichloroethene	200 ug/mL
							Xylenes, Total	600 ug/mL
					VOAMTBERES_00028	1 mL	Methyl tert-butyl ether	200 ug/mL
..VOABonusABS_00027	04/18/16	Absolute Standards, Inc., Lot 041811			(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluor oethane	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Methyl acetate	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
..VOACS2Restek_00025	09/01/16	Restek, Lot A083790			(Purchased Reagent)		Carbon disulfide	2000 ug/mL
..VOAMEGAMIXRES_00026	01/01/14	Restek, Lot A085823			(Purchased Reagent)		1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dibromoethane (EDB)	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloroethene, Total	4000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromodichloromethane	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromochloromethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	4000 ug/mL
							Methylene Chloride	2000 ug/mL
							o-Xylene	2000 ug/mL
							Styrene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
							Xylenes, Total	6000 ug/mL
..VOAMTBERES_00028	02/01/17		Restek, Lot A086709		(Purchased Reagent)		Methyl tert-butyl ether	2000 ug/mL
.VOAGASMIXRES_00086	04/01/18		Restek, Lot A083718		(Purchased Reagent)		Bromomethane	200 ug/mL
							Chloroethane	200 ug/mL
							Chloromethane	200 ug/mL
							Dichlorodifluoromethane	200 ug/mL
							Trichlorofluoromethane	200 ug/mL
							Vinyl chloride	200 ug/mL
VOA8260ULTRA_00019	09/29/12	09/24/12	Methanol, Lot DG596	8 mL	VOA8260VOAULT_00052	1 mL	1,1,2-Trichloro-1,2,2-trifluoroethane	25 ug/mL
							Cyclohexane	25 ug/mL
							Methyl acetate	25 ug/mL
							Methylcyclohexane	25 ug/mL
							Carbon disulfide	25 ug/mL
							2-Butanone (MEK)	25 ug/mL
							2-Hexanone	25 ug/mL
							4-Methyl-2-pentanone (MIBK)	25 ug/mL
							Acetone	25 ug/mL
							Methyl tert-butyl ether	25 ug/mL
							1,1,1-Trichloroethane	25 ug/mL
							1,1,2,2-Tetrachloroethane	25 ug/mL
							1,1,2-Trichloroethane	25 ug/mL
							1,1-Dichloroethane	25 ug/mL
							1,1-Dichloroethene	25 ug/mL
							1,2,4-Trichlorobenzene	25 ug/mL
							1,2-Dibromo-3-Chloropropane	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dibromoethane (EDB)	25 ug/mL
							1,2-Dichlorobenzene	25 ug/mL
							1,2-Dichloroethane	25 ug/mL
							1,2-Dichloropropane	25 ug/mL
							1,3-Dichlorobenzene	25 ug/mL
							1,4-Dichlorobenzene	25 ug/mL
							Benzene	25 ug/mL
							Bromodichloromethane	25 ug/mL
							Bromoform	25 ug/mL
							Carbon tetrachloride	25 ug/mL
							Chlorobenzene	25 ug/mL
							Chloroform	25 ug/mL
							cis-1,2-Dichloroethene	25 ug/mL
							cis-1,3-Dichloropropene	25 ug/mL
							Dibromochloromethane	25 ug/mL
							Ethylbenzene	25 ug/mL
							Isopropylbenzene	25 ug/mL
							Methylene Chloride	25 ug/mL
							Styrene	25 ug/mL
							Tetrachloroethene	25 ug/mL
							Toluene	25 ug/mL
							trans-1,2-Dichloroethene	25 ug/mL
							trans-1,3-Dichloropropene	25 ug/mL
							Trichloroethene	25 ug/mL
							Xylenes, Total	75 ug/mL
					VOAGASULT_00033	1 mL	Bromomethane	25 ug/mL
							Chloroethane	25 ug/mL
							Chloromethane	25 ug/mL
							Dichlorodifluoromethane	25 ug/mL
							Trichlorofluoromethane	25 ug/mL
							Vinyl chloride	25 ug/mL
.VOA8260VOAULT_00052	09/29/12	08/29/12	Methanol, Lot DG596	10 mL	VOACLPBONULT_00023	1 mL	1,1,2-Trichloro-1,2,2-trifluor oethane	200 ug/mL
							Cyclohexane	200 ug/mL
							Methyl acetate	200 ug/mL
							Methylcyclohexane	200 ug/mL
					VOACS2Supelco_00010	0.4 mL	Carbon disulfide	200 ug/mL
					VOAKetoneSup_00022	1 mL	2-Butanone (MEK)	200 ug/mL
							2-Hexanone	200 ug/mL
							4-Methyl-2-pentanone (MIBK)	200 ug/mL
							Acetone	200 ug/mL
					VOAMTBESupel_00022	1 mL	Methyl tert-butyl ether	200 ug/mL
					VOAVOCMIXULT_00029	1 mL	1,1,1-Trichloroethane	200 ug/mL
							1,1,2,2-Tetrachloroethane	200 ug/mL
							1,1,2-Trichloroethane	200 ug/mL
							1,1-Dichloroethane	200 ug/mL
							1,1-Dichloroethene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dibromo-3-Chloropropane	200 ug/mL
							1,2-Dibromoethane (EDB)	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Dichloroethane	200 ug/mL
							1,2-Dichloropropane	200 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							Benzene	200 ug/mL
							Bromodichloromethane	200 ug/mL
							Bromoform	200 ug/mL
							Carbon tetrachloride	200 ug/mL
							Chlorobenzene	200 ug/mL
							Chloroform	200 ug/mL
							cis-1,2-Dichloroethene	200 ug/mL
							cis-1,3-Dichloropropene	200 ug/mL
							Dibromochloromethane	200 ug/mL
							Ethylbenzene	200 ug/mL
							Isopropylbenzene	200 ug/mL
							Methylene Chloride	200 ug/mL
							Styrene	200 ug/mL
							Tetrachloroethene	200 ug/mL
							Toluene	200 ug/mL
							trans-1,2-Dichloroethene	200 ug/mL
							trans-1,3-Dichloropropene	200 ug/mL
							Trichloroethene	200 ug/mL
							Xylenes, Total	600 ug/mL
..VOACLPBONULT_00023	04/30/14		ULTRA, Lot CJ0721		(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluor oethane	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Methyl acetate	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
..VOACS2Supelco_00010	03/01/13		Supelco, Lot LB73533		(Purchased Reagent)		Carbon disulfide	5000 ug/mL
..VOAKetoneSup_00022	02/01/14		Supelco, Lot LB82390		(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
							2-Hexanone	2000 ug/mL
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL
..VOAMTBESupel_00022	06/01/14		Supelco, Lot LB85564		(Purchased Reagent)		Methyl tert-butyl ether	2000 ug/mL
..VOAVOCMIXULT_00029	11/30/14		Ultra, Lot CH-3339		(Purchased Reagent)		1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dibromoethane (EDB)	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromodichloromethane	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromochloromethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							Methylene Chloride	2000 ug/mL
							Styrene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
							Xylenes, Total	6000 ug/mL
.VOAGASULT_00033	06/30/14		Ultra, Lot CH-1748		(Purchased Reagent)		Bromomethane	200 ug/mL
							Chloroethane	200 ug/mL
							Chloromethane	200 ug/mL
							Dichlorodifluoromethane	200 ug/mL
							Trichlorofluoromethane	200 ug/mL
							Vinyl chloride	200 ug/mL
VOA8260ULTRA_00020	10/08/12	10/01/12	Methanol, Lot DG596	8 mL	VOA8260VOAULT_00053	1 mL	1,1,2-Trichloro-1,2,2-trifluor oethane	25 ug/mL
							Cyclohexane	25 ug/mL
							Methyl acetate	25 ug/mL
							Methylcyclohexane	25 ug/mL
							Carbon disulfide	25 ug/mL
							2-Butanone (MEK)	25 ug/mL
							2-Hexanone	25 ug/mL
							4-Methyl-2-pentanone (MIBK)	25 ug/mL
							Acetone	25 ug/mL
							Methyl tert-butyl ether	25 ug/mL
							1,1,1-Trichloroethane	25 ug/mL
							1,1,2,2-Tetrachloroethane	25 ug/mL
							1,1,2-Trichloroethane	25 ug/mL
							1,1-Dichloroethane	25 ug/mL
							1,1-Dichloroethene	25 ug/mL
							1,2,4-Trichlorobenzene	25 ug/mL
							1,2-Dibromo-3-Chloropropane	25 ug/mL
							1,2-Dibromoethane (EDB)	25 ug/mL
							1,2-Dichlorobenzene	25 ug/mL
							1,2-Dichloroethane	25 ug/mL
							1,2-Dichloropropane	25 ug/mL
							1,3-Dichlorobenzene	25 ug/mL
							1,4-Dichlorobenzene	25 ug/mL
							Benzene	25 ug/mL
							Bromodichloromethane	25 ug/mL
							Bromoform	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon tetrachloride	25 ug/mL
							Chlorobenzene	25 ug/mL
							Chloroform	25 ug/mL
							cis-1,2-Dichloroethene	25 ug/mL
							cis-1,3-Dichloropropene	25 ug/mL
							Dibromochloromethane	25 ug/mL
							Ethylbenzene	25 ug/mL
							Isopropylbenzene	25 ug/mL
							Methylene Chloride	25 ug/mL
							Styrene	25 ug/mL
							Tetrachloroethene	25 ug/mL
							Toluene	25 ug/mL
							trans-1,2-Dichloroethene	25 ug/mL
							trans-1,3-Dichloropropene	25 ug/mL
							Trichloroethene	25 ug/mL
							Xylenes, Total	75 ug/mL
					VOAGASULT_00064	1 mL	Bromomethane	25 ug/mL
							Chloroethane	25 ug/mL
							Chloromethane	25 ug/mL
							Dichlorodifluoromethane	25 ug/mL
							Trichlorofluoromethane	25 ug/mL
							Vinyl chloride	25 ug/mL
.VOA8260VOAULT_00053	10/27/12	09/27/12	Methanol, Lot DG596	10 mL	VOACLPBONULT_00024	1 mL	1,1,2-Trichloro-1,2,2-trifluor oethane	200 ug/mL
							Cyclohexane	200 ug/mL
							Methyl acetate	200 ug/mL
							Methylcyclohexane	200 ug/mL
					VOACS2Supelco_00016	0.4 mL	Carbon disulfide	200 ug/mL
					VOAKetoneSup_00027	1 mL	2-Butanone (MEK)	200 ug/mL
							2-Hexanone	200 ug/mL
							4-Methyl-2-pentanone (MIBK)	200 ug/mL
							Acetone	200 ug/mL
					VOAMTBESupel_00024	1 mL	Methyl tert-butyl ether	200 ug/mL
					VOAVOCMIXULT_00028	1 mL	1,1,1-Trichloroethane	200 ug/mL
							1,1,2,2-Tetrachloroethane	200 ug/mL
							1,1,2-Trichloroethane	200 ug/mL
							1,1-Dichloroethane	200 ug/mL
							1,1-Dichloroethene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dibromo-3-Chloropropane	200 ug/mL
							1,2-Dibromoethane (EDB)	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Dichloroethane	200 ug/mL
							1,2-Dichloropropane	200 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							Benzene	200 ug/mL
							Bromodichloromethane	200 ug/mL
							Bromoform	200 ug/mL
							Carbon tetrachloride	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chlorobenzene	200 ug/mL
							Chloroform	200 ug/mL
							cis-1,2-Dichloroethene	200 ug/mL
							cis-1,3-Dichloropropene	200 ug/mL
							Dibromochloromethane	200 ug/mL
							Ethylbenzene	200 ug/mL
							Isopropylbenzene	200 ug/mL
							Methylene Chloride	200 ug/mL
							Styrene	200 ug/mL
							Tetrachloroethene	200 ug/mL
							Toluene	200 ug/mL
							trans-1,2-Dichloroethene	200 ug/mL
							trans-1,3-Dichloropropene	200 ug/mL
							Trichloroethene	200 ug/mL
							Xylenes, Total	600 ug/mL
..VOACLPBONULT_00024	04/30/14		ULTRA, Lot CJ0721		(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluor oethane	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Methyl acetate	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
..VOACS2Supelco_00016	06/01/15		Supelco, Lot LB93208		(Purchased Reagent)		Carbon disulfide	5000 ug/mL
..VOAKetoneSup_00027	02/01/14		Supelco, Lot LB82390		(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
							2-Hexanone	2000 ug/mL
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL
..VOAMTBESupel_00024	06/01/14		Supelco, Lot LB85564		(Purchased Reagent)		Methyl tert-butyl ether	2000 ug/mL
..VOAVOCMIXULT_00028	11/30/14		Ultra, Lot CH-3339		(Purchased Reagent)		1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dibromoethane (EDB)	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromodichloromethane	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromochloromethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methylene Chloride	2000 ug/mL
							Styrene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
							Xylenes, Total	6000 ug/mL
.VOAGASULT_00064	06/30/14	Ultra, Lot CH-1748			(Purchased Reagent)		Bromomethane	200 ug/mL
							Chloroethane	200 ug/mL
							Chloromethane	200 ug/mL
							Dichlorodifluoromethane	200 ug/mL
							Trichlorofluoromethane	200 ug/mL
							Vinyl chloride	200 ug/mL
VOAA&AULTRA_00040	10/11/12	09/11/12	Methanol, Lot DG956	4 mL	VOAA&AULTRA_00036	1 mL	Acrolein	25 ug/mL
							Acrylonitrile	25 ug/mL
.VOAA&AULTRA_00036	12/31/12	Ultra, Lot CJ3206			(Purchased Reagent)		Acrolein	100 mL
							Acrylonitrile	100 mL
VoaAcetoABS_00029	09/30/12	08/31/12	Methanol, Lot DG596	1 mL	VOAAcetoABS_00024	1 mL	Acetonitrile	1000 ug/mL
.VOAAcetoABS_00024	08/09/16	Absolute Standards, Inc., Lot 080911			(Purchased Reagent)		Acetonitrile	1000 ug/mL
VOAINDRESTEK_00006	10/11/12	09/11/12	Methanol, Lot DG596	4 mL	VOAINDRES_00020	1 mL	2-Methyl-2-propanol	1000 ug/mL
							Ethyl ether	25 ug/mL
							Hexane	25 ug/mL
							n-Butanol	1000 ug/mL
							Tetrahydrofuran	25 ug/mL
.VOAINDRES_00020	07/01/17	Restek, Lot A089652			(Purchased Reagent)		2-Methyl-2-propanol	4000 ug/mL
							Ethyl ether	100 ug/mL
							Hexane	100 ug/mL
							n-Butanol	4000 ug/mL
							Tetrahydrofuran	100 ug/mL
VOAketoneREST_00047	10/15/12	09/15/12	Methanol, Lot DG596	25 mL	VOAKETONEREST_00040	125 uL	2-Butanone (MEK)	25 ug/mL
							2-Hexanone	25 ug/mL
							4-Methyl-2-pentanone (MIBK)	25 ug/mL
							Acetone	25 ug/mL
.VOAKETONEREST_00040	02/01/15	Restek, Lot A084962			(Purchased Reagent)		2-Butanone (MEK)	5000 ug/mL
							2-Hexanone	5000 ug/mL
							4-Methyl-2-pentanone (MIBK)	5000 ug/mL
							Acetone	5000 ug/mL
voaW A&A Ultr_00011	10/28/12	09/28/12	Methanol, Lot DG596	4 mL	VOAA&AULTRA_00037	1 mL	Acrolein	25 ug/mL
							Acrylonitrile	25 ug/mL
.VOAA&AULTRA_00037	12/31/12	Ultra, Lot CJ3206			(Purchased Reagent)		Acrolein	100 mL
							Acrylonitrile	100 mL
voaW EE Absol_00003	10/07/12	09/07/12	Methanol, Lot DG596	25 mL	VOA236TCTSPEX_00020	0.625 mL	2,3,6-Trichlorotoluene	25 ug/mL
					VOAEEMixABS_00025	0.125 mL	1,2-dichloro-4-(trifluoromethyl)benzene	25 ug/mL
							1,3,5-Trichlorobenzene	25 ug/mL
							2,3- & 3,4- Dichlorotoluene	50 ug/mL
							2,4,5-Trichlorotoluene	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4- & 2,5- & 2,6-Dichlorotoluene	75 ug/mL
							2,4-Dichloro-1-(triflouromethyl)-benzene	25 ug/mL
							2,5-Dichlorobenzotrifluoride	25 ug/mL
							2-Chlorobenzotrifluoride	25 ug/mL
							3-Chlorobenzotrifluoride	25 ug/mL
							3-Chlorotoluene	25 ug/mL
							4-Chlorobenzotrifluoride	25 ug/mL
.VOA236TCTSPEX_00020	12/19/14	SPEX, Lot C1111220014			(Purchased Reagent)		2,3,6-Trichlorotoluene	1000 ug/mL
.VOAEEMixABS_00025	03/28/17	Absolute Standards, Inc., Lot 032812			(Purchased Reagent)		1,2-dichloro-4-(trifluoromethyl)benzene	5000 ug/mL
							1,3,5-Trichlorobenzene	5000 ug/mL
							2,3- & 3,4- Dichlorotoluene	10000 ug/mL
							2,4,5-Trichlorotoluene	5000 ug/mL
							2,4- & 2,5- & 2,6-Dichlorotoluene	15000 ug/mL
							2,4-Dichloro-1-(triflouromethyl)-benzene	5000 ug/mL
							2,5-Dichlorobenzotrifluoride	5000 ug/mL
							2-Chlorobenzotrifluoride	5000 ug/mL
							3-Chlorobenzotrifluoride	5000 ug/mL
							3-Chlorotoluene	5000 ug/mL
							4-Chlorobenzotrifluoride	5000 ug/mL
voaW Nhep Abs_00001	10/19/12	09/19/12	Methanol, Lot DG596	10 mL	VOAn-HeptABS_00009	0.25 mL	n-Heptane	25 ug/mL
.VOAn-HeptABS_00009	04/01/16	Absolute Standards, Inc., Lot 040111			(Purchased Reagent)		n-Heptane	1000 ug/mL
voaW VA Reste_00009	10/10/12	09/10/12	Methanol, Lot DG596	10 mL	VOAVARES_00016	0.125 mL	Vinyl acetate	25 ug/mL
.VOAVARES_00016	07/01/13	Restek, Lot A086152			(Purchased Reagent)		Vinyl acetate	2000 ug/mL
voaWAP9Ultra_00001	10/10/12	09/10/12	Methanol, Lot DG596	10 mL	VOAap9ULT_00016	1 mL	1,4-Dioxane	5000 ug/mL
							2-Chloro-1,3-butadiene	25 ug/mL
							3-Chloro-1-propene	25 ug/mL
							Ethyl methacrylate	25 ug/mL
							Iodomethane	25 ug/mL
							Isobutyl alcohol	1000 ug/mL
							Methacrylonitrile	25 ug/mL
							Methyl methacrylate	25 ug/mL
							Propionitrile	50 ug/mL
							trans-1,4-Dichloro-2-butene	25 ug/mL
.VOAap9ULT_00016	05/01/13	Ultra, Lot CH-1221			(Purchased Reagent)		1,4-Dioxane	50000 ug/mL
							2-Chloro-1,3-butadiene	250 ug/mL
							3-Chloro-1-propene	250 ug/mL
							Ethyl methacrylate	250 ug/mL
							Iodomethane	250 ug/mL
							Isobutyl alcohol	10000 ug/mL
							Methacrylonitrile	250 ug/mL
							Methyl methacrylate	250 ug/mL
							Propionitrile	500 ug/mL
							trans-1,4-Dichloro-2-butene	250 ug/mL
voaWKetonRest_00001	09/14/12	08/14/12	Methanol, Lot DG596	25 mL	VOAKETONEREST_00043	0.125 mL	2-Butanone (MEK)	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Hexanone	25 ug/mL
							4-Methyl-2-pentanone (MIBK)	25 ug/mL
							Acetone	25 ug/mL
.VOAKETONEREST_00043	02/01/15	Restek, Lot A084962			(Purchased Reagent)		2-Butanone (MEK)	5000 ug/mL
							2-Hexanone	5000 ug/mL
							4-Methyl-2-pentanone (MIBK)	5000 ug/mL
							Acetone	5000 ug/mL

Certification Summary

Client: Science Applications International Corp
Project/Site: QDI Institute, WV

TestAmerica Job ID: 180-14634-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Pittsburgh	Arkansas DEQ	State Program	6	88-0690
TestAmerica Pittsburgh	California	NELAC	9	4224CA
TestAmerica Pittsburgh	Connecticut	State Program	1	PH-0688
TestAmerica Pittsburgh	Florida	NELAC	4	E871008
TestAmerica Pittsburgh	Illinois	NELAC	5	002602
TestAmerica Pittsburgh	Kansas	NELAC	7	E-10350
TestAmerica Pittsburgh	L-A-B	DoD ELAP		L2314
TestAmerica Pittsburgh	Louisiana	NELAC	6	04041
TestAmerica Pittsburgh	New Hampshire	NELAC	1	203011
TestAmerica Pittsburgh	New Jersey	NELAC	2	PA005
TestAmerica Pittsburgh	New York	NELAC	2	11182
TestAmerica Pittsburgh	North Carolina DENR	State Program	4	434
TestAmerica Pittsburgh	Pennsylvania	NELAC	3	02-00416
TestAmerica Pittsburgh	South Carolina	State Program	4	89014
TestAmerica Pittsburgh	USDA	Federal		P330-10-00139
TestAmerica Pittsburgh	USDA	Federal		P-Soil-01
TestAmerica Pittsburgh	Utah	NELAC	8	STLP
TestAmerica Pittsburgh	Virginia	NELAC	3	460189
TestAmerica Pittsburgh	West Virginia DEP	State Program	3	142
TestAmerica Pittsburgh	Wisconsin	State Program	5	998027800

Accreditation may not be offered or required for all methods and analytes reported in this package Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method 8260B Low Level

Volatile Organic Compounds (GC/MS) by Method 8260B Low Level

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
TRIP BLANK	180-14634-1	99	119	92	91
MW-104	180-14634-2	98	118	90	94
MW-105	180-14634-3	98	114	90	90
MW-109	180-14634-4	98	115	88	91
MW-114	180-14634-5	96	117	90	93
MW-101	180-14634-6	98	117	90	92
MW-102	180-14634-7	100	118	91	92
MW-106	180-14634-8	100	119	88	87
MW-110	180-14634-9	107	125	85	91
TMP-1	180-14634-10	100	116	87	86
TMP-5	180-14634-11	100	116	90	92
FB-2	180-14634-12	100	116	90	90
TMP-3	180-14634-13	101	119	91	89
	MB 180-50119/4	97	114	90	87
	MB 180-50323/4	106	130	86	93
	LCS 180-50119/5	102	115	101	91
	LCS 180-50323/5	103	114	89	95
	LCSD 180-50119/6	100	111	93	89
	LCSD 180-50323/6	98	113	89	97

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	70-128
DCA = 1,2-Dichloroethane-d4 (Surr)	64-135
TOL = Toluene-d8 (Surr)	71-118
BFB = 4-Bromofluorobenzene (Surr)	70-118

Column to be used to flag recovery values

FORM II 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 60928006.D

Lab ID: LCS 180-50119/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acetone	10.0	11.7	117	22-150	
Benzene	10.0	10.1	101	80-120	
Bromodichloromethane	10.0	9.69	97	66-130	
Bromoform	10.0	8.70	87	46-150	
Bromomethane	10.0	11.9	119	33-150	
2-Butanone (MEK)	10.0	9.01	90	39-138	
Carbon disulfide	10.0	8.78	88	54-132	
Carbon tetrachloride	10.0	10.2	102	55-150	
Chlorobenzene	10.0	10.5	105	80-120	
Chloroethane	10.0	12.5	125	36-142	
Chloroform	10.0	10.9	109	72-127	
Dibromochloromethane	10.0	10.2	102	60-140	
1,2-Dibromo-3-Chloropropane	10.0	6.64	66	37-133	
1,2-Dibromoethane (EDB)	10.0	10.3	103	74-123	
1,1-Dichloroethane	10.0	10.8	108	73-126	
1,2-Dichloroethane	10.0	11.2	112	68-132	
1,1-Dichloroethene	10.0	9.81	98	65-136	
trans-1,2-Dichloroethene	10.0	10.3	103	73-126	
1,2-Dichloropropane	10.0	11.1	111	76-124	
cis-1,3-Dichloropropene	10.0	7.80	78	66-120	
trans-1,3-Dichloropropene	10.0	6.95	70	65-125	
Ethylbenzene	10.0	10.2	102	72-126	
2-Hexanone	10.0	8.15	81	25-132	
Methylene Chloride	10.0	10.2	102	63-129	
4-Methyl-2-pentanone (MIBK)	10.0	8.13	81	45-145	
Styrene	10.0	9.74	97	71-127	
1,1,2,2-Tetrachloroethane	10.0	10.7	107	62-125	
Tetrachloroethene	10.0	12.2	122	70-135	
Toluene	10.0	10.5	105	80-123	
1,1,1-Trichloroethane	10.0	9.57	96	63-133	
1,1,2-Trichloroethane	10.0	10.2	102	77-127	
Trichloroethene	10.0	10.3	103	73-120	
Trichlorofluoromethane	10.0	10.8	108	44-150	
Vinyl chloride	10.0	9.26	93	53-138	
Xylenes, Total	30.0	29.5	98	76-128	
Cyclohexane	10.0	9.68	97	45-142	
cis-1,2-Dichloroethene	10.0	9.75	98	70-120	
Dichlorodifluoromethane	10.0	11.3	113	13-150	
Isopropylbenzene	10.0	9.62	96	58-130	
Methyl acetate	10.0	8.77	88	47-142	
Methylcyclohexane	10.0	9.12	91	45-145	
Methyl tert-butyl ether	10.0	8.45	84	64-123	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 60928006.D

Lab ID: LCS 180-50119/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.2	102	46-148	
1,2-Dichlorobenzene	10.0	10.3	103	77-120	
1,3-Dichlorobenzene	10.0	10.5	105	76-120	
1,4-Dichlorobenzene	10.0	10.2	102	77-120	
1,2,4-Trichlorobenzene	10.0	6.46	65	60-127	
Chloromethane	10.0	9.84	98	50-139	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 61001006.D

Lab ID: LCS 180-50323/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acetone	10.0	14.7	147	22-150	
Benzene	10.0	9.56	96	80-120	
Bromodichloromethane	10.0	9.37	94	66-130	
Bromoform	10.0	10.1	101	46-150	
Bromomethane	10.0	12.1	121	33-150	
2-Butanone (MEK)	10.0	9.82	98	39-138	
Carbon disulfide	10.0	8.16	82	54-132	
Carbon tetrachloride	10.0	9.34	93	55-150	
Chlorobenzene	10.0	9.89	99	80-120	
Chloroethane	10.0	12.2	122	36-142	
Chloroform	10.0	10.3	103	72-127	
Dibromochloromethane	10.0	9.88	99	60-140	
1,2-Dibromo-3-Chloropropane	10.0	8.04	80	37-133	
1,2-Dibromoethane (EDB)	10.0	9.19	92	74-123	
1,1-Dichloroethane	10.0	10.5	105	73-126	
1,2-Dichloroethane	10.0	11.1	111	68-132	
1,1-Dichloroethene	10.0	9.46	95	65-136	
trans-1,2-Dichloroethene	10.0	9.30	93	73-126	
1,2-Dichloropropane	10.0	10.0	100	76-124	
cis-1,3-Dichloropropene	10.0	7.53	75	66-120	
trans-1,3-Dichloropropene	10.0	7.23	72	65-125	
Ethylbenzene	10.0	9.26	93	72-126	
2-Hexanone	10.0	7.51	75	25-132	
Methylene Chloride	10.0	9.10	91	63-129	
4-Methyl-2-pentanone (MIBK)	10.0	7.43	74	45-145	
Styrene	10.0	9.28	93	71-127	
1,1,2,2-Tetrachloroethane	10.0	8.28	83	62-125	
Tetrachloroethene	10.0	10.9	109	70-135	
Toluene	10.0	9.23	92	80-123	
1,1,1-Trichloroethane	10.0	9.40	94	63-133	
1,1,2-Trichloroethane	10.0	8.92	89	77-127	
Trichloroethene	10.0	9.56	96	73-120	
Trichlorofluoromethane	10.0	11.1	111	44-150	
Vinyl chloride	10.0	8.72	87	53-138	
Xylenes, Total	30.0	27.8	93	76-128	
Cyclohexane	10.0	9.04	90	45-142	
cis-1,2-Dichloroethene	10.0	9.12	91	70-120	
Dichlorodifluoromethane	10.0	10.7	107	13-150	
Isopropylbenzene	10.0	9.53	95	58-130	
Methyl acetate	10.0	9.08	91	47-142	
Methylcyclohexane	10.0	8.47	85	45-145	
Methyl tert-butyl ether	10.0	8.04	80	64-123	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 61001006.D

Lab ID: LCS 180-50323/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.0	100	46-148	
1,2-Dichlorobenzene	10.0	9.59	96	77-120	
1,3-Dichlorobenzene	10.0	9.07	91	76-120	
1,4-Dichlorobenzene	10.0	9.17	92	77-120	
1,2,4-Trichlorobenzene	10.0	9.82	98	60-127	
Chloromethane	10.0	8.62	86	50-139	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 60928007.D

Lab ID: LCSD 180-50119/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acetone	10.0	11.2	112	4	35	22-150	
Benzene	10.0	10.0	100	1	32	80-120	
Bromodichloromethane	10.0	9.80	98	1	35	66-130	
Bromoform	10.0	8.90	89	2	35	46-150	
Bromomethane	10.0	12.3	123	3	35	33-150	
2-Butanone (MEK)	10.0	9.11	91	1	35	39-138	
Carbon disulfide	10.0	8.67	87	1	35	54-132	
Carbon tetrachloride	10.0	10.0	100	2	35	55-150	
Chlorobenzene	10.0	10.5	105	0	29	80-120	
Chloroethane	10.0	12.1	121	4	35	36-142	
Chloroform	10.0	10.4	104	5	35	72-127	
Dibromochloromethane	10.0	9.96	100	3	35	60-140	
1,2-Dibromo-3-Chloropropane	10.0	7.00	70	5	35	37-133	
1,2-Dibromoethane (EDB)	10.0	9.81	98	5	35	74-123	
1,1-Dichloroethane	10.0	10.7	107	1	35	73-126	
1,2-Dichloroethane	10.0	10.9	109	3	32	68-132	
1,1-Dichloroethene	10.0	9.88	99	1	35	65-136	
trans-1,2-Dichloroethene	10.0	9.97	100	4	35	73-126	
1,2-Dichloropropane	10.0	10.5	105	5	34	76-124	
cis-1,3-Dichloropropene	10.0	7.96	80	2	35	66-120	
trans-1,3-Dichloropropene	10.0	7.43	74	7	35	65-125	
Ethylbenzene	10.0	9.81	98	4	33	72-126	
2-Hexanone	10.0	7.86	79	4	35	25-132	
Methylene Chloride	10.0	9.87	99	3	35	63-129	
4-Methyl-2-pentanone (MIBK)	10.0	8.11	81	0	35	45-145	
Styrene	10.0	9.62	96	1	34	71-127	
1,1,2,2-Tetrachloroethane	10.0	10.0	100	7	35	62-125	
Tetrachloroethene	10.0	11.4	114	7	35	70-135	
Toluene	10.0	10.2	102	4	35	80-123	
1,1,1-Trichloroethane	10.0	9.89	99	3	35	63-133	
1,1,2-Trichloroethane	10.0	9.63	96	6	35	77-127	
Trichloroethene	10.0	10.2	102	1	35	73-120	
Trichlorofluoromethane	10.0	11.0	110	1	35	44-150	
Vinyl chloride	10.0	9.49	95	2	35	53-138	
Xylenes, Total	30.0	28.9	96	2	32	76-128	
Cyclohexane	10.0	9.62	96	1	35	45-142	
cis-1,2-Dichloroethene	10.0	9.87	99	1	35	70-120	
Dichlorodifluoromethane	10.0	11.0	110	2	35	13-150	
Isopropylbenzene	10.0	9.75	98	1	35	58-130	
Methyl acetate	10.0	9.09	91	4	35	47-142	
Methylcyclohexane	10.0	9.49	95	4	35	45-145	
Methyl tert-butyl ether	10.0	8.60	86	2	35	64-123	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 60928007.D

Lab ID: LCSD 180-50119/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.6	106	4	35	46-148	
1,2-Dichlorobenzene	10.0	9.95	100	3	24	77-120	
1,3-Dichlorobenzene	10.0	10.2	102	2	24	76-120	
1,4-Dichlorobenzene	10.0	9.97	100	2	24	77-120	
1,2,4-Trichlorobenzene	10.0	7.00	70	8	35	60-127	
Chloromethane	10.0	9.74	97	1	35	50-139	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 61001007.D

Lab ID: LCSD 180-50323/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acetone	10.0	15.7	157	6	35	22-150	*
Benzene	10.0	9.46	95	1	32	80-120	
Bromodichloromethane	10.0	9.84	98	5	35	66-130	
Bromoform	10.0	10.3	103	1	35	46-150	
Bromomethane	10.0	10.8	108	11	35	33-150	
2-Butanone (MEK)	10.0	10.3	103	4	35	39-138	
Carbon disulfide	10.0	7.90	79	3	35	54-132	
Carbon tetrachloride	10.0	9.42	94	1	35	55-150	
Chlorobenzene	10.0	9.89	99	0	29	80-120	
Chloroethane	10.0	12.1	121	1	35	36-142	
Chloroform	10.0	10.5	105	2	35	72-127	
Dibromochloromethane	10.0	10.3	103	4	35	60-140	
1,2-Dibromo-3-Chloropropane	10.0	8.97	90	11	35	37-133	
1,2-Dibromoethane (EDB)	10.0	9.32	93	1	35	74-123	
1,1-Dichloroethane	10.0	10.4	104	1	35	73-126	
1,2-Dichloroethane	10.0	11.4	114	2	32	68-132	
1,1-Dichloroethene	10.0	9.83	98	4	35	65-136	
trans-1,2-Dichloroethene	10.0	9.81	98	5	35	73-126	
1,2-Dichloropropane	10.0	10.1	101	1	34	76-124	
cis-1,3-Dichloropropene	10.0	8.09	81	7	35	66-120	
trans-1,3-Dichloropropene	10.0	7.51	75	4	35	65-125	
Ethylbenzene	10.0	9.20	92	1	33	72-126	
2-Hexanone	10.0	7.79	78	4	35	25-132	
Methylene Chloride	10.0	9.30	93	2	35	63-129	
4-Methyl-2-pentanone (MIBK)	10.0	7.80	78	5	35	45-145	
Styrene	10.0	9.45	94	2	34	71-127	
1,1,2,2-Tetrachloroethane	10.0	8.30	83	0	35	62-125	
Tetrachloroethene	10.0	10.6	106	2	35	70-135	
Toluene	10.0	9.36	94	1	35	80-123	
1,1,1-Trichloroethane	10.0	9.30	93	1	35	63-133	
1,1,2-Trichloroethane	10.0	9.09	91	2	35	77-127	
Trichloroethene	10.0	9.67	97	1	35	73-120	
Trichlorofluoromethane	10.0	10.9	109	1	35	44-150	
Vinyl chloride	10.0	8.65	86	1	35	53-138	
Xylenes, Total	30.0	28.0	93	1	32	76-128	
Cyclohexane	10.0	9.00	90	0	35	45-142	
cis-1,2-Dichloroethene	10.0	9.28	93	2	35	70-120	
Dichlorodifluoromethane	10.0	11.0	110	3	35	13-150	
Isopropylbenzene	10.0	9.56	96	0	35	58-130	
Methyl acetate	10.0	8.70	87	4	35	47-142	
Methylcyclohexane	10.0	8.83	88	4	35	45-145	
Methyl tert-butyl ether	10.0	8.18	82	2	35	64-123	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 61001007.D

Lab ID: LCSD 180-50323/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	9.75	98	3	35	46-148	
1,2-Dichlorobenzene	10.0	9.66	97	1	24	77-120	
1,3-Dichlorobenzene	10.0	9.06	91	0	24	76-120	
1,4-Dichlorobenzene	10.0	9.03	90	2	24	77-120	
1,2,4-Trichlorobenzene	10.0	9.37	94	5	35	60-127	
Chloromethane	10.0	8.70	87	1	35	50-139	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab File ID: 60928004.D Lab Sample ID: MB 180-50119/4

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: HP6 Date Analyzed: 09/28/2012 11:01

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 180-50119/5	60928006.D	09/28/2012 12:03
	LCSD 180-50119/6	60928007.D	09/28/2012 12:27
TRIP BLANK	180-14634-1	60928009.D	09/28/2012 13:15
MW-104	180-14634-2	60928010.D	09/28/2012 13:39
MW-105	180-14634-3	60928011.D	09/28/2012 14:03
MW-109	180-14634-4	60928012.D	09/28/2012 14:27
FB-2	180-14634-12	60928013.D	09/28/2012 14:51
MW-114	180-14634-5	60928014.D	09/28/2012 15:15
MW-101	180-14634-6	60928015.D	09/28/2012 15:39
MW-102	180-14634-7	60928016.D	09/28/2012 16:03
MW-106	180-14634-8	60928017.D	09/28/2012 16:28
TMP-1	180-14634-10	60928018.D	09/28/2012 16:52
TMP-5	180-14634-11	60928019.D	09/28/2012 17:16
TMP-3	180-14634-13	60928020.D	09/28/2012 17:40

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab File ID: 61001005.D Lab Sample ID: MB 180-50323/4

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: HP6 Date Analyzed: 10/01/2012 10:17

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 180-50323/5	61001006.D	10/01/2012 10:41
	LCSD 180-50323/6	61001007.D	10/01/2012 11:05
MW-110	180-14634-9	61001014.D	10/01/2012 14:16

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab File ID: 60912007.D BFB Injection Date: 09/12/2012

Instrument ID: HP6 BFB Injection Time: 13:35

Analysis Batch No.: 48202

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.4	
75	30.0 - 60.0 % of mass 95	45.8	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	8.3	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	73.3	
175	5.0 - 9.0 % of mass 174	5.4	(7.3)1
176	95.0 - 101.0 % of mass 174	73.2	(99.9)1
177	5.0 - 9.0 % of mass 176	5.1	(7.0)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 180-48202/2	60912009.D	09/12/2012	14:47
	ICIS 180-48202/3	60912010.D	09/12/2012	15:11
	IC 180-48202/4	60912011.D	09/12/2012	15:35
	IC 180-48202/5	60912012.D	09/12/2012	15:59
	IC 180-48202/6	60912013.D	09/12/2012	16:23
	IC 180-48202/7	60912014.D	09/12/2012	16:47
	IC 180-48202/8	60912017.D	09/12/2012	18:08

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab File ID: 60913002.D BFB Injection Date: 09/13/2012

Instrument ID: HP6 BFB Injection Time: 08:04

Analysis Batch No.: 48350

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	23.0	
75	30.0 - 60.0 % of mass 95	44.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.3	(0.4)1
174	50.0 - 120.00 % of mass 95	74.3	
175	5.0 - 9.0 % of mass 174	4.8	(6.5)1
176	95.0 - 101.0 % of mass 174	73.5	(98.9)1
177	5.0 - 9.0 % of mass 176	5.9	(8.0)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 180-48350/2	60913004.D	09/13/2012	09:45
	ICIS 180-48350/3	60913005.D	09/13/2012	10:08
	IC 180-48350/4	60913006.D	09/13/2012	10:32
	IC 180-48350/5	60913007.D	09/13/2012	10:55
	IC 180-48350/6	60913008.D	09/13/2012	11:20
	IC 180-48350/7	60913009.D	09/13/2012	11:45
	IC 180-48350/8	60913012.D	09/13/2012	12:57

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab File ID: 60919003.D BFB Injection Date: 09/19/2012

Instrument ID: HP6 BFB Injection Time: 08:00

Analysis Batch No.: 48940

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.4	
75	30.0 - 60.0 % of mass 95	46.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	8.0	
173	Less than 2.0 % of mass 174	0.3	(0.4)1
174	50.0 - 120.00 % of mass 95	81.8	
175	5.0 - 9.0 % of mass 174	5.0	(6.1)1
176	95.0 - 101.0 % of mass 174	79.5	(97.2)1
177	5.0 - 9.0 % of mass 176	5.6	(7.0)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 180-48940/2	60919004.D	09/19/2012	08:39
	IC 180-48940/3	60919005.D	09/19/2012	09:03
	ICIS 180-48940/4	60919006.D	09/19/2012	09:27
	IC 180-48940/5	60919007.D	09/19/2012	09:51
	IC 180-48940/6	60919008.D	09/19/2012	10:15
	IC 180-48940/7	60919009.D	09/19/2012	10:39
	IC 180-48940/8	60919010.D	09/19/2012	11:03

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab File ID: 60928001.D BFB Injection Date: 09/28/2012

Instrument ID: HP6 BFB Injection Time: 09:20

Analysis Batch No.: 50119

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	23.7	
75	30.0 - 60.0 % of mass 95	44.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.1	
173	Less than 2.0 % of mass 174	0.8	(1.0)1
174	50.0 - 120.00 % of mass 95	83.4	
175	5.0 - 9.0 % of mass 174	6.2	(7.4)1
176	95.0 - 101.0 % of mass 174	80.7	(96.7)1
177	5.0 - 9.0 % of mass 176	4.9	(6.1)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 180-50119/2	60928002.D	09/28/2012	09:55
	CCV 180-50119/3	60928003.D	09/28/2012	10:23
	MB 180-50119/4	60928004.D	09/28/2012	11:01
	LCS 180-50119/5	60928006.D	09/28/2012	12:03
	LCSD 180-50119/6	60928007.D	09/28/2012	12:27
TRIP BLANK	180-14634-1	60928009.D	09/28/2012	13:15
MW-104	180-14634-2	60928010.D	09/28/2012	13:39
MW-105	180-14634-3	60928011.D	09/28/2012	14:03
MW-109	180-14634-4	60928012.D	09/28/2012	14:27
FB-2	180-14634-12	60928013.D	09/28/2012	14:51
MW-114	180-14634-5	60928014.D	09/28/2012	15:15
MW-101	180-14634-6	60928015.D	09/28/2012	15:39
MW-102	180-14634-7	60928016.D	09/28/2012	16:03
MW-106	180-14634-8	60928017.D	09/28/2012	16:28
TMP-1	180-14634-10	60928018.D	09/28/2012	16:52
TMP-5	180-14634-11	60928019.D	09/28/2012	17:16
TMP-3	180-14634-13	60928020.D	09/28/2012	17:40

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab File ID: 61001001.D BFB Injection Date: 10/01/2012

Instrument ID: HP6 BFB Injection Time: 08:21

Analysis Batch No.: 50323

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	23.4	
75	30.0 - 60.0 % of mass 95	51.0	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.1	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	86.8	
175	5.0 - 9.0 % of mass 174	7.6	(8.7)1
176	95.0 - 101.0 % of mass 174	85.2	(98.3)1
177	5.0 - 9.0 % of mass 176	5.3	(6.2)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 180-50323/2	61001002.D	10/01/2012	09:03
	CCV 180-50323/3	61001003.D	10/01/2012	09:29
	MB 180-50323/4	61001005.D	10/01/2012	10:17
	LCS 180-50323/5	61001006.D	10/01/2012	10:41
	LCSD 180-50323/6	61001007.D	10/01/2012	11:05
MW-110	180-14634-9	61001014.D	10/01/2012	14:16

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Sample No.: CCVIS 180-50119/2 Date Analyzed: 09/28/2012 09:55

Instrument ID: HP6 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): 60928002.D Heated Purge: (Y/N) N

Calibration ID: 6698

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		507328	7.31	106296	10.40	118062	12.73
UPPER LIMIT		1014656	7.81	212592	10.90	236124	13.23
LOWER LIMIT		253664	6.81	53148	9.90	59031	12.23
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 180-50119/3		490501	7.31	99654	10.40	117305	12.73
MB 180-50119/4		548997	7.31	121975	10.40	155080	12.73
LCS 180-50119/5		471772	7.31	99278	10.40	107105	12.73
LCSD 180-50119/6		502106	7.31	108131	10.41	125539	12.73
180-14634-1	TRIP BLANK	532951	7.31	113920	10.40	142480	12.73
180-14634-2	MW-104	540781	7.30	119630	10.41	168740	12.73
180-14634-3	MW-105	549987	7.30	122155	10.41	175875	12.73
180-14634-4	MW-109	542225	7.31	121810	10.40	172374	12.73
180-14634-12	FB-2	539964	7.31	121144	10.40	170080	12.73
180-14634-5	MW-114	531984	7.31	118473	10.41	170910	12.73
180-14634-6	MW-101	533311	7.30	118968	10.40	168030	12.73
180-14634-7	MW-102	529260	7.31	116105	10.40	164396	12.73
180-14634-8	MW-106	527612	7.31	122660	10.41	166438	12.73
180-14634-10	TMP-1	531502	7.31	124652	10.40	172561	12.73
180-14634-11	TMP-5	538171	7.31	121292	10.40	172874	12.73
180-14634-13	TMP-3	517096	7.31	119478	10.41	164729	12.73

FB = Fluorobenzene (IS)
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Sample No.: CCVIS 180-50323/2 Date Analyzed: 10/01/2012 09:03

Instrument ID: HP6 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): 61001002.D Heated Purge: (Y/N) N

Calibration ID: 6698

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		463951	7.30	105391	10.40	148180	12.73
UPPER LIMIT		927902	7.80	210782	10.90	296360	13.23
LOWER LIMIT		231976	6.80	52696	9.90	74090	12.23
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 180-50323/3		462059	7.30	96271	10.41	122940	12.73
MB 180-50323/4		458072	7.31	107610	10.40	161216	12.73
LCS 180-50323/5		472110	7.30	104792	10.40	149674	12.73
LCSD 180-50323/6		474507	7.31	105396	10.40	152556	12.73
180-14634-9	MW-110	464015	7.31	110654	10.41	154367	12.73

FB = Fluorobenzene (IS)
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: TRIP BLANK | Lab Sample ID: 180-14634-1

Matrix: Water | Lab File ID: 60928009.D

Analysis Method: 8260B | Date Collected: 09/19/2012 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2012 13:15

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 50119 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	ND		5.0	2.5
71-43-2	Benzene	ND		1.0	0.11
75-27-4	Bromodichloromethane	ND		1.0	0.13
75-25-2	Bromoform	ND		1.0	0.19
74-83-9	Bromomethane	ND		1.0	0.31
78-93-3	2-Butanone (MEK)	ND		5.0	0.55
75-15-0	Carbon disulfide	0.62	J B	1.0	0.21
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	ND		1.0	0.14
75-00-3	Chloroethane	ND		1.0	0.21
67-66-3	Chloroform	ND		1.0	0.17
124-48-1	Dibromochloromethane	ND		1.0	0.14
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.14
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.18
75-34-3	1,1-Dichloroethane	ND		1.0	0.12
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.17
78-87-5	1,2-Dichloropropane	ND		1.0	0.095
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.15
100-41-4	Ethylbenzene	ND		1.0	0.23
591-78-6	2-Hexanone	ND		5.0	0.16
75-09-2	Methylene Chloride	2.0		1.0	0.15
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53
100-42-5	Styrene	ND		1.0	0.097
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		1.0	0.15
108-88-3	Toluene	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.29
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.14
75-69-4	Trichlorofluoromethane	ND		1.0	0.20
75-01-4	Vinyl chloride	ND		1.0	0.23
1330-20-7	Xylenes, Total	ND		3.0	0.49
110-82-7	Cyclohexane	ND		1.0	0.25

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: TRIP BLANK | Lab Sample ID: 180-14634-1

Matrix: Water | Lab File ID: 60928009.D

Analysis Method: 8260B | Date Collected: 09/19/2012 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2012 13:15

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 50119 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.24
75-71-8	Dichlorodifluoromethane	ND		1.0	0.19
98-82-8	Isopropylbenzene	ND		1.0	0.16
79-20-9	Methyl acetate	ND		1.0	0.14
108-87-2	Methylcyclohexane	ND		1.0	0.26
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.18
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.15
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.11
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.21
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.27
74-87-3	Chloromethane	ND		1.0	0.28
123-91-1	1,4-Dioxane	ND		200	34

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	119		64-135
2037-26-5	Toluene-d8 (Surr)	92		71-118
460-00-4	4-Bromofluorobenzene (Surr)	91		70-118
1868-53-7	Dibromofluoromethane (Surr)	99		70-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Client Sample ID: TRIP BLANK Lab Sample ID: 180-14634-1

Matrix: Water Lab File ID: 60928009.D

Analysis Method: 8260B Date Collected: 09/19/2012 00:00

Sample wt/vol: 5(mL) Date Analyzed: 09/28/2012 13:15

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 50119 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

FORM I-TIC 8260B

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6092812d.b\60928009.D
Lab Smp Id: 180-14634-A-1 Client Smp ID: TRIP BLANK
Inj Date : 28-SEP-2012 13:15
Operator : 001562 Inst ID: hp6.i
Smp Info : 180-14634-A-1
Misc Info : 180-14634-A-1
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6092812d.b\T8260bllw.m
Meth Date : 28-Sep-2012 12:38 fergusond Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 59
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-634.sub
Target Version: 4.14
Processing Host: PITPC-002

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 46 Fluorobenzene (IS)	96	7.306	7.305	(1.000)	532951	50.0000	
* 69 Chlorobenzene-d5	119	10.403	10.402	(1.000)	113920	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.726	12.726	(1.000)	142480	50.0000	
$ 39 Dibromofluoromethane (Surr)	113	6.564	6.563	(0.898)	106821	49.7142	49.71
$ 43 1,2-Dichloroethane-d4	65	6.935	6.934	(0.949)	143027	59.7275	59.73
$ 59 Toluene-d8	98	8.961	8.960	(0.861)	475122	46.0240	46.02
$ 80 Bromofluorobenzene (Surr)	95	11.571	11.570	(1.112)	149554	45.3597	45.36
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
10 1,1,2-trichloro-1,2,2-trifluor	101	Compound Not Detected.					
12 1,1-Dichloroethene	96	Compound Not Detected.					
15 Carbon Disulfide	76	3.686	3.680	(0.505)	20572	3.09972	3.100
13 Acetone	43	3.510	3.515	(0.480)	4359	6.25554	6.256
18 Methylene Chloride	84	4.173	4.172	(0.571)	36361	10.2147	10.21
19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
20 Methyl tert-butyl ether	73	Compound Not Detected.					
24 1,1-Dichloroethane	63	Compound Not Detected.					
27 2,2-Dichloropropane	77	Compound Not Detected.					
28 cis-1,2-dichloroethene	96	Compound Not Detected.					
M 29 1,2-Dichloroethene (total)	96	Compound Not Detected.					
30 Bromochloromethane	128	Compound Not Detected.					
31 2-Butanone	43	Compound Not Detected.					
37 Chloroform	83	Compound Not Detected.					
38 1,1,1-Trichloroethane	97	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ng)
	40 1,1-Dichloropropene	75	Compound Not Detected.					
	41 Carbon Tetrachloride	117	Compound Not Detected.					
	42 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	47 Trichloroethene	130	Compound Not Detected.					
	49 1,2-Dichloropropane	63	Compound Not Detected.					
	50 Dibromomethane	93	Compound Not Detected.					
	53 Bromodichloromethane	83	Compound Not Detected.					
	57 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	58 4-Methyl-2-Pentanone	43	Compound Not Detected.					
	60 Toluene	91	Compound Not Detected.					
	61 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	63 1,3-Dichloropropane	76	Compound Not Detected.					
	64 1,1,2-Trichloroethane	97	Compound Not Detected.					
	65 Tetrachloroethene	164	Compound Not Detected.					
	66 2-Hexanone	43	Compound Not Detected.					
	67 Dibromochloromethane	129	Compound Not Detected.					
	68 1,2-Dibromoethane	107	Compound Not Detected.					
	70 Chlorobenzene	112	Compound Not Detected.					
	71 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	72 Ethylbenzene	106	Compound Not Detected.					
	73 m + p-Xylene	106	Compound Not Detected.					
	74 Xylene-o	106	Compound Not Detected.					
M	75 Xylenes (total)	106	Compound Not Detected.					
	76 Styrene	104	Compound Not Detected.					
	77 Bromoform	173	Compound Not Detected.					
	78 Isopropylbenzene	105	Compound Not Detected.					
	83 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	88 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	91 1,3-Dichlorobenzene	146	Compound Not Detected.					
	93 1,4-Dichlorobenzene	146	Compound Not Detected.					
	95 1,2-Dichlorobenzene	146	Compound Not Detected.					
	96 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
	97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	156 Methyl Acetate	43	Compound Not Detected.					
	157 Cyclohexane	56	Compound Not Detected.					
	158 Methyl Cyclohexane	83	Compound Not Detected.					
	52 1,4-Dioxane	88	Compound Not Detected.					

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6092812d.b\60928009.D
Lab Smp Id: 180-14634-A-1 Client Smp ID: TRIP BLANK
Inj Date : 28-SEP-2012 13:15
Operator : 001562 Inst ID: hp6.i
Smp Info : 180-14634-A-1
Misc Info : 180-14634-A-1
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6092812d.b\T8260bllw.m
Meth Date : 28-Sep-2012 12:38 fergusond Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 59
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-634.sub
Target Version: 4.14
Processing Host: PITPC-002

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: 60928009.D

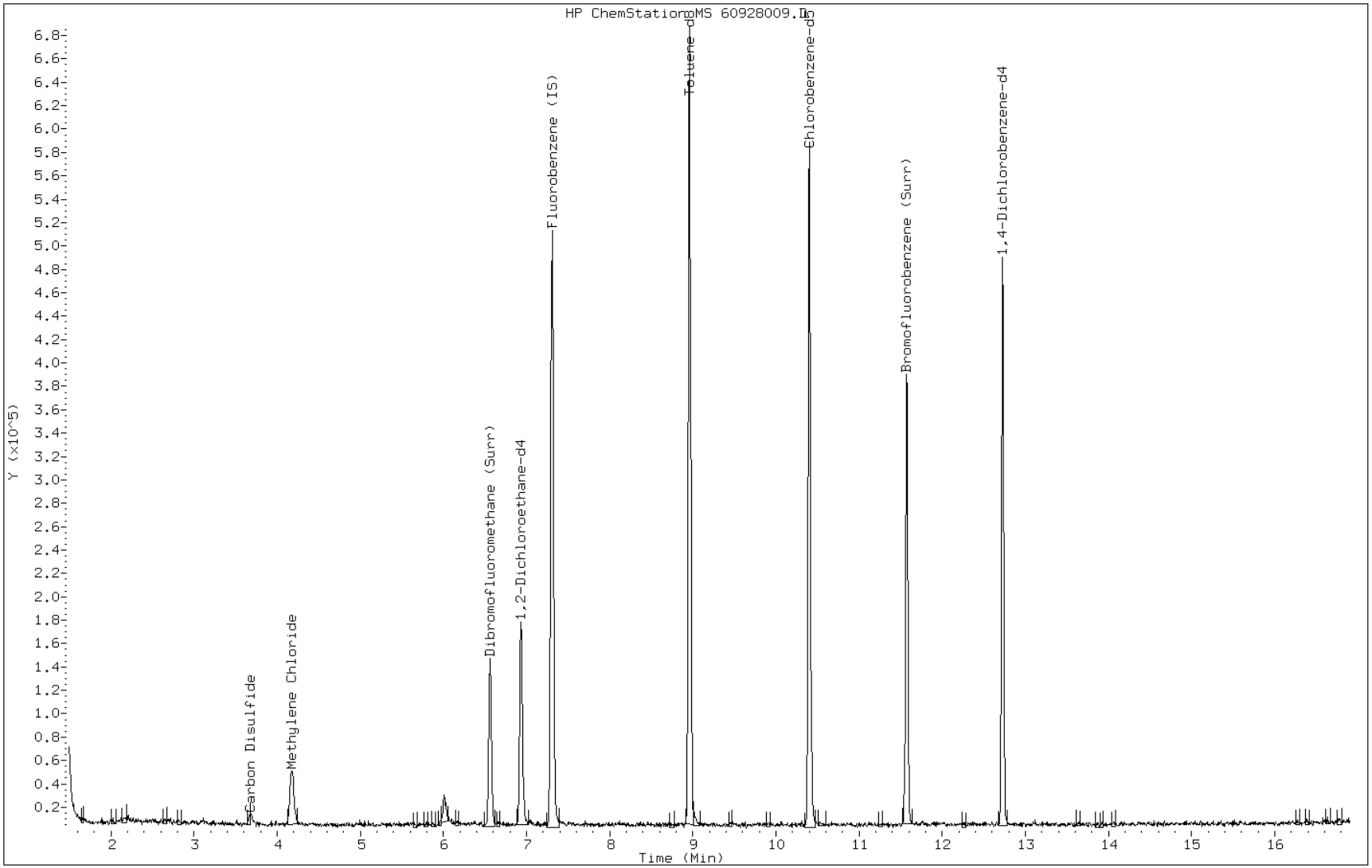
Date: 28-SEP-2012 13:15

Client ID: TRIP BLANK

Instrument: hp6.i

Sample Info: 180-14634-A-1

Operator: 001562



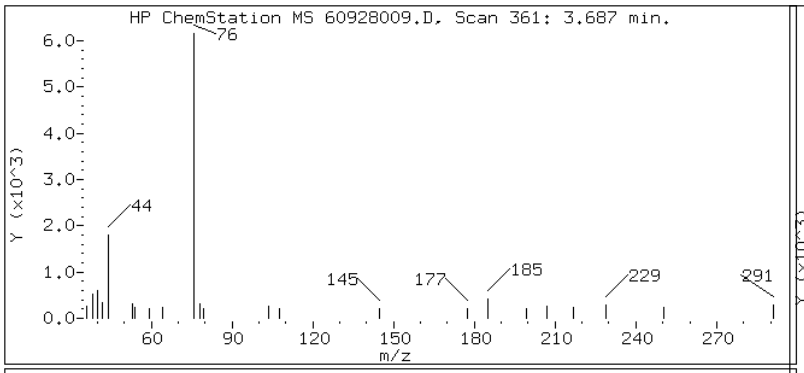
Data File: 60928009.D

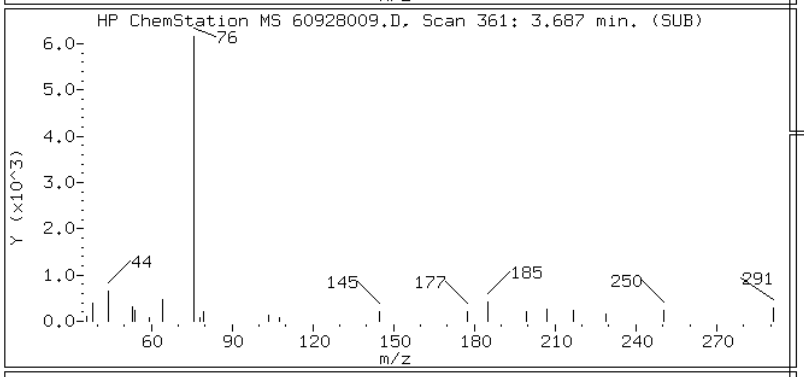
Date: 28-SEP-2012 13:15

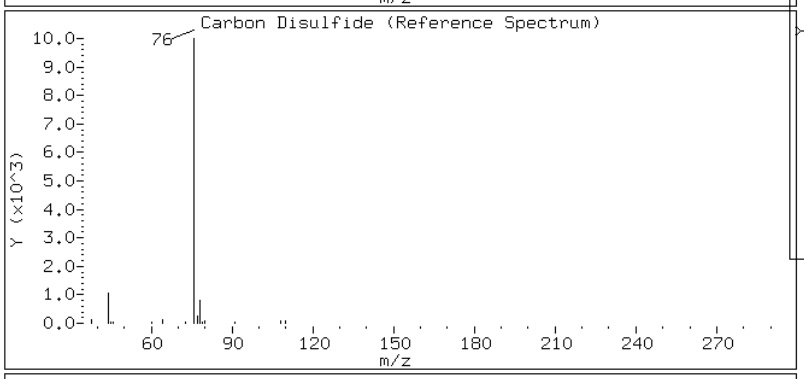
Client ID: TRIP BLANK Instrument: hp6.i

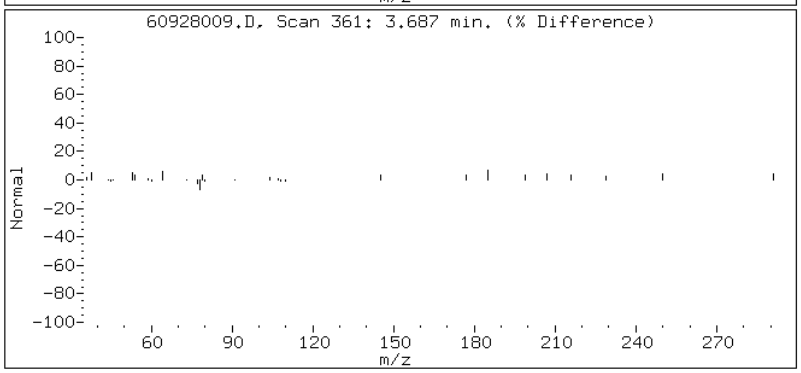
Sample Info: 180-14634-A-1 Operator: 001562

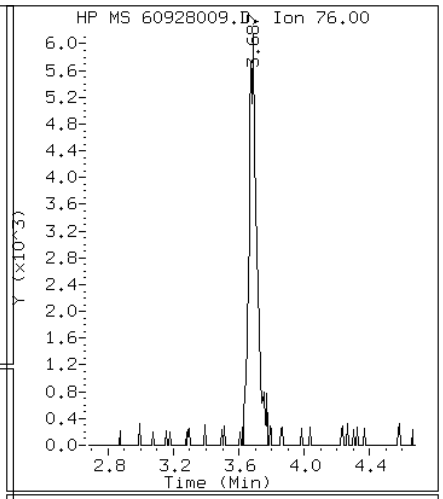
15 Carbon Disulfide

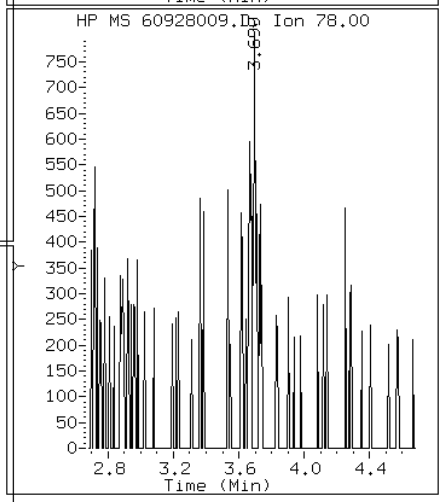












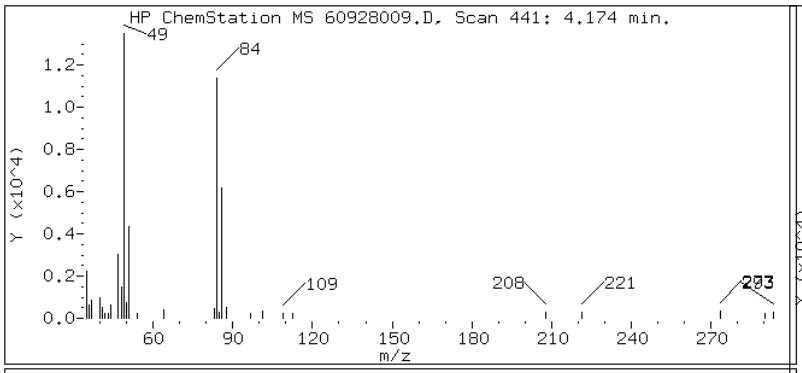
Data File: 60928009.D

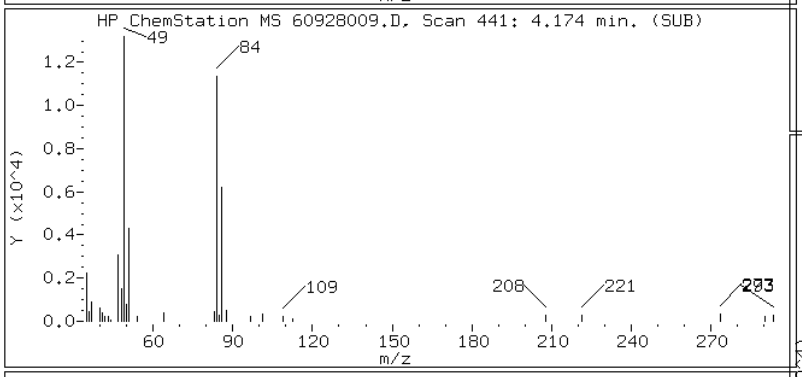
Date: 28-SEP-2012 13:15

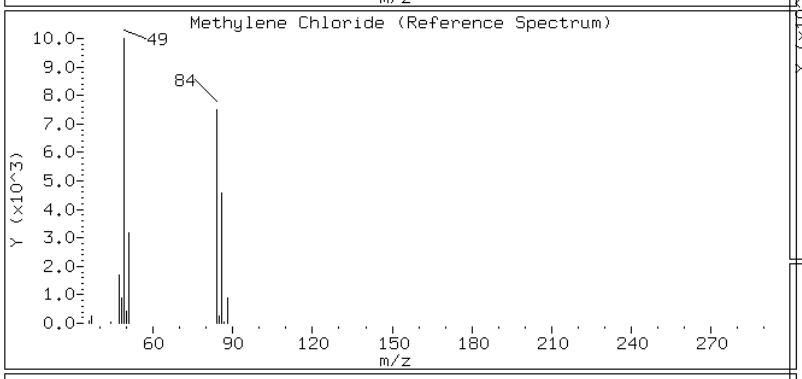
Client ID: TRIP BLANK Instrument: hp6.i

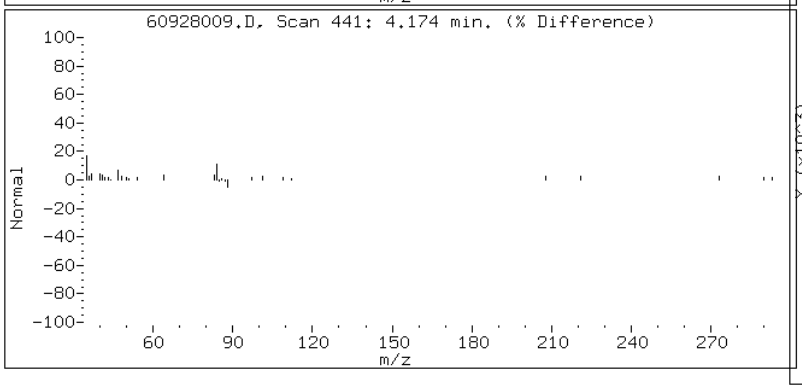
Sample Info: 180-14634-A-1 Operator: 001562

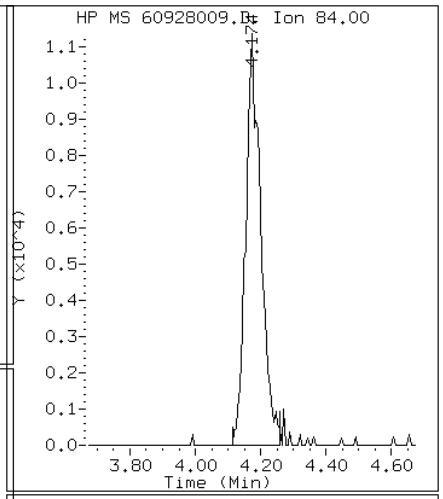
18 Methylene Chloride

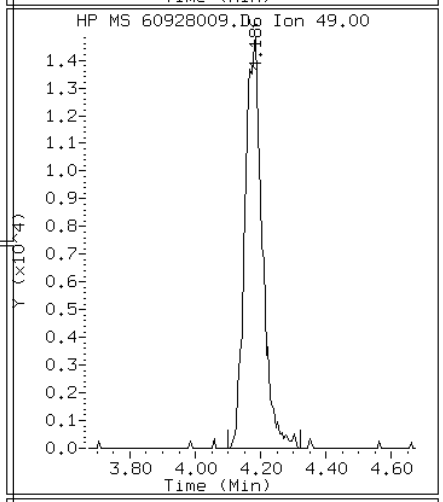


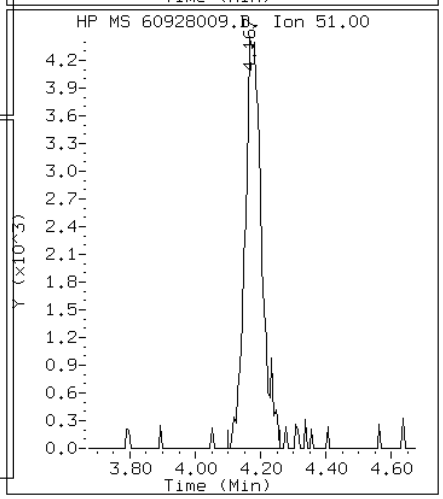












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-104 | Lab Sample ID: 180-14634-2

Matrix: Water | Lab File ID: 60928010.D

Analysis Method: 8260B | Date Collected: 09/19/2012 08:30

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2012 13:39

Soil Aliquot Vol: | Dilution Factor: 250

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 50119 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	ND		1300	630
71-43-2	Benzene	120	J	250	26
75-27-4	Bromodichloromethane	ND		250	33
75-25-2	Bromoform	ND		250	48
74-83-9	Bromomethane	ND		250	78
78-93-3	2-Butanone (MEK)	ND		1300	140
75-15-0	Carbon disulfide	130	J B	250	53
56-23-5	Carbon tetrachloride	ND		250	34
108-90-7	Chlorobenzene	3900		250	34
75-00-3	Chloroethane	ND		250	54
67-66-3	Chloroform	ND		250	43
124-48-1	Dibromochloromethane	ND		250	34
96-12-8	1,2-Dibromo-3-Chloropropane	ND		250	35
106-93-4	1,2-Dibromoethane (EDB)	ND		250	45
75-34-3	1,1-Dichloroethane	ND		250	29
107-06-2	1,2-Dichloroethane	ND		250	53
75-35-4	1,1-Dichloroethene	ND		250	74
156-60-5	trans-1,2-Dichloroethene	ND		250	42
78-87-5	1,2-Dichloropropane	ND		250	24
10061-01-5	cis-1,3-Dichloropropene	ND		250	47
10061-02-6	trans-1,3-Dichloropropene	ND		250	37
100-41-4	Ethylbenzene	490		250	57
591-78-6	2-Hexanone	ND		1300	40
75-09-2	Methylene Chloride	ND		250	37
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		1300	130
100-42-5	Styrene	ND		250	24
79-34-5	1,1,2,2-Tetrachloroethane	ND		250	50
127-18-4	Tetrachloroethene	ND		250	37
108-88-3	Toluene	74	J	250	38
71-55-6	1,1,1-Trichloroethane	ND		250	72
79-00-5	1,1,2-Trichloroethane	ND		250	50
79-01-6	Trichloroethene	ND		250	36
75-69-4	Trichlorofluoromethane	ND		250	50
75-01-4	Vinyl chloride	ND		250	57
1330-20-7	Xylenes, Total	ND		750	120
110-82-7	Cyclohexane	ND		250	64

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-104 | Lab Sample ID: 180-14634-2

Matrix: Water | Lab File ID: 60928010.D

Analysis Method: 8260B | Date Collected: 09/19/2012 08:30

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2012 13:39

Soil Aliquot Vol: | Dilution Factor: 250

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 50119 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	ND		250	59
75-71-8	Dichlorodifluoromethane	ND		250	48
98-82-8	Isopropylbenzene	ND		250	41
79-20-9	Methyl acetate	ND		250	34
108-87-2	Methylcyclohexane	ND		250	65
1634-04-4	Methyl tert-butyl ether	ND		250	46
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		250	80
95-50-1	1,2-Dichlorobenzene	530		250	38
541-73-1	1,3-Dichlorobenzene	ND		250	26
106-46-7	1,4-Dichlorobenzene	150	J	250	52
120-82-1	1,2,4-Trichlorobenzene	ND		250	68
74-87-3	Chloromethane	ND		250	71
123-91-1	1,4-Dioxane	ND		50000	8600

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	118		64-135
2037-26-5	Toluene-d8 (Surr)	90		71-118
460-00-4	4-Bromofluorobenzene (Surr)	94		70-118
1868-53-7	Dibromofluoromethane (Surr)	98		70-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-104 Lab Sample ID: 180-14634-2

Matrix: Water Lab File ID: 60928010.D

Analysis Method: 8260B Date Collected: 09/19/2012 08:30

Sample wt/vol: 5(mL) Date Analyzed: 09/28/2012 13:39

Soil Aliquot Vol: Dilution Factor: 250

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 50119 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6092812d.b\60928010.D
Lab Smp Id: 180-14634-F-2 Client Smp ID: MW-104
Inj Date : 28-SEP-2012 13:39
Operator : 001562 Inst ID: hp6.i
Smp Info : 180-14634-F-2, 250x
Misc Info : 180-14634-F-2
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6092812d.b\T8260bllw.m
Meth Date : 28-Sep-2012 12:38 fergusond Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 60
Dil Factor: 250.00000
Integrator: HP RTE Compound Sublist: 1-634.sub
Target Version: 4.14
Processing Host: PITPC-002

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 46 Fluorobenzene (IS)	96	7.304	7.305	(1.000)	540781	50.0000	
* 69 Chlorobenzene-d5	119	10.407	10.402	(1.000)	119630	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.731	12.726	(1.000)	168740	50.0000	
$ 39 Dibromofluoromethane (Surr)	113	6.562	6.563	(0.898)	106842	49.0040	49.00
$ 43 1,2-Dichloroethane-d4	65	6.933	6.934	(0.949)	142996	58.8500	58.85
$ 59 Toluene-d8	98	8.959	8.960	(0.861)	490166	45.2150	45.22
$ 80 Bromofluorobenzene (Surr)	95	11.575	11.570	(1.112)	162971	47.0698	47.07
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
10 1,1,2-trichloro-1,2,2-trifluor	101	Compound Not Detected.					
12 1,1-Dichloroethene	96	Compound Not Detected.					
15 Carbon Disulfide	76	3.673	3.680	(0.503)	17901	2.65821	664.6
13 Acetone	43	Compound Not Detected.					
18 Methylene Chloride	84	Compound Not Detected.					
19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
20 Methyl tert-butyl ether	73	Compound Not Detected.					
24 1,1-Dichloroethane	63	Compound Not Detected.					
27 2,2-Dichloropropane	77	Compound Not Detected.					
28 cis-1,2-dichloroethene	96	Compound Not Detected.					
M 29 1,2-Dichloroethene (total)	96	Compound Not Detected.					
30 Bromochloromethane	128	Compound Not Detected.					
31 2-Butanone	43	Compound Not Detected.					
37 Chloroform	83	Compound Not Detected.					
38 1,1,1-Trichloroethane	97	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
	40 1,1-Dichloropropene	75	Compound Not Detected.					
	41 Carbon Tetrachloride	117	Compound Not Detected.					
	42 Benzene	78	6.994	6.989	(0.958)	30385	2.49349	623.4
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	47 Trichloroethene	130	Compound Not Detected.					
	49 1,2-Dichloropropane	63	Compound Not Detected.					
	50 Dibromomethane	93	Compound Not Detected.					
	53 Bromodichloromethane	83	Compound Not Detected.					
	57 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	58 4-Methyl-2-Pentanone	43	Compound Not Detected.					
	60 Toluene	91	9.026	9.027	(0.867)	18666	1.47230	368.1
	61 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	63 1,3-Dichloropropane	76	Compound Not Detected.					
	64 1,1,2-Trichloroethane	97	Compound Not Detected.					
	65 Tetrachloroethene	164	Compound Not Detected.					
	66 2-Hexanone	43	Compound Not Detected.					
	67 Dibromochloromethane	129	Compound Not Detected.					
	68 1,2-Dibromoethane	107	Compound Not Detected.					
	70 Chlorobenzene	112	10.431	10.432	(1.002)	602320	78.6273	19660
	71 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	72 Ethylbenzene	106	10.541	10.536	(1.013)	44849	9.79867	2450
	73 m + p-Xylene	106	10.656	10.651	(1.024)	7165	1.29504	323.8
	74 Xylene-o	106	11.052	11.047	(1.062)	5109	0.94045	235.1
M	75 Xylenes (total)	106				12274	2.23548	558.9
	76 Styrene	104	Compound Not Detected.					
	77 Bromoform	173	Compound Not Detected.					
	78 Isopropylbenzene	105	Compound Not Detected.					
	83 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	88 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	91 1,3-Dichlorobenzene	146	12.664	12.665	(0.995)	1976	0.36193	90.48(Q)
	93 1,4-Dichlorobenzene	146	12.749	12.750	(1.001)	17080	3.02731	756.8
	95 1,2-Dichlorobenzene	146	13.126	13.127	(1.031)	52651	10.6840	2671
	96 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
	97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	156 Methyl Acetate	43	Compound Not Detected.					
	157 Cyclohexane	56	Compound Not Detected.					
	158 Methyl Cyclohexane	83	Compound Not Detected.					
	52 1,4-Dioxane	88	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6092812d.b\60928010.D
Lab Smp Id: 180-14634-F-2 Client Smp ID: MW-104
Inj Date : 28-SEP-2012 13:39
Operator : 001562 Inst ID: hp6.i
Smp Info : 180-14634-F-2, 250x
Misc Info : 180-14634-F-2
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6092812d.b\T8260bllw.m
Meth Date : 28-Sep-2012 12:38 fergusond Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 60
Dil Factor: 250.00000
Integrator: HP RTE Compound Sublist: 1-634.sub
Target Version: 4.14
Processing Host: PITPC-002

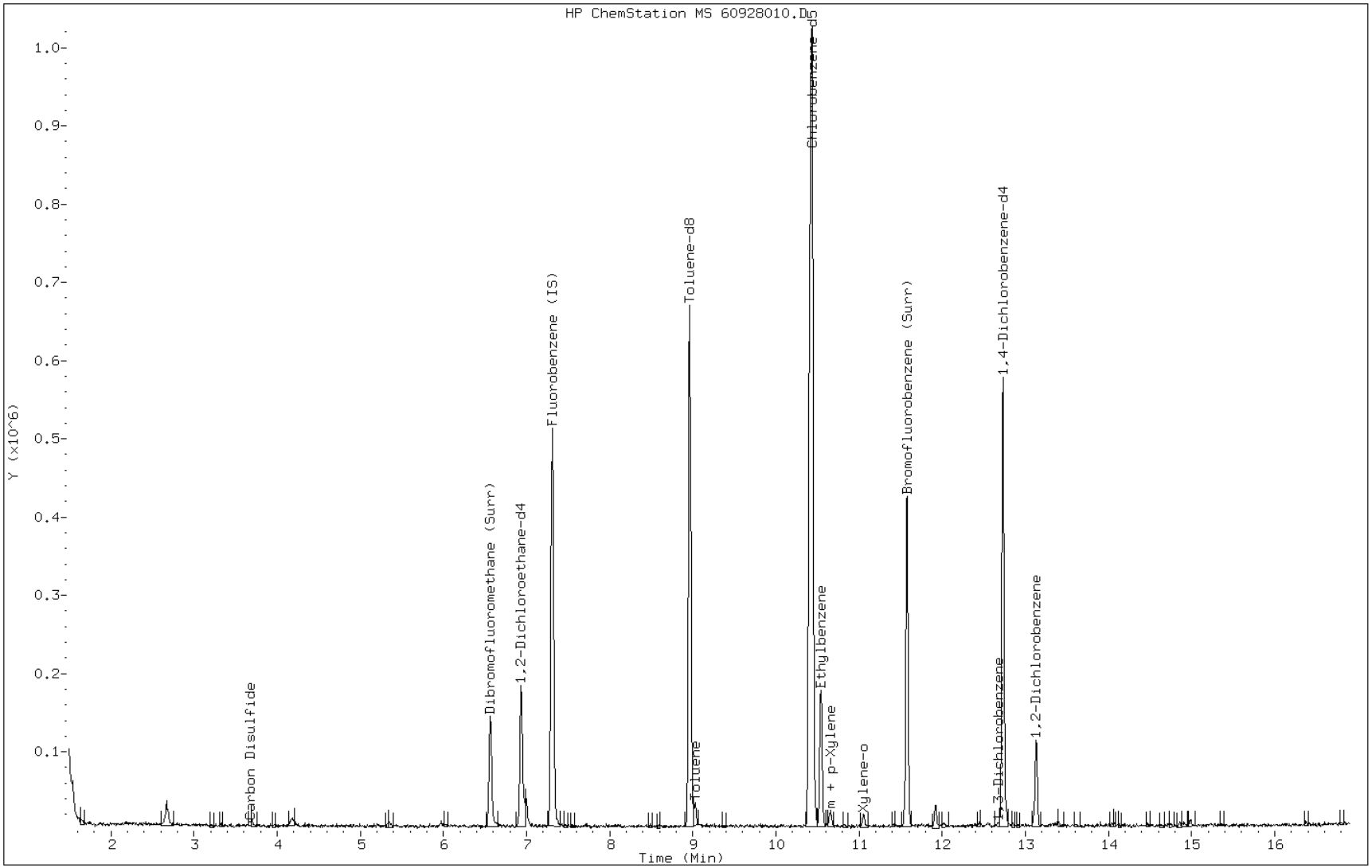
- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: 60928010.D

Date: 28-SEP-2012 13:39

Client ID: MW-104 Instrument: hp6.i

Sample Info: 180-14634-F-2, 250x Operator: 001562



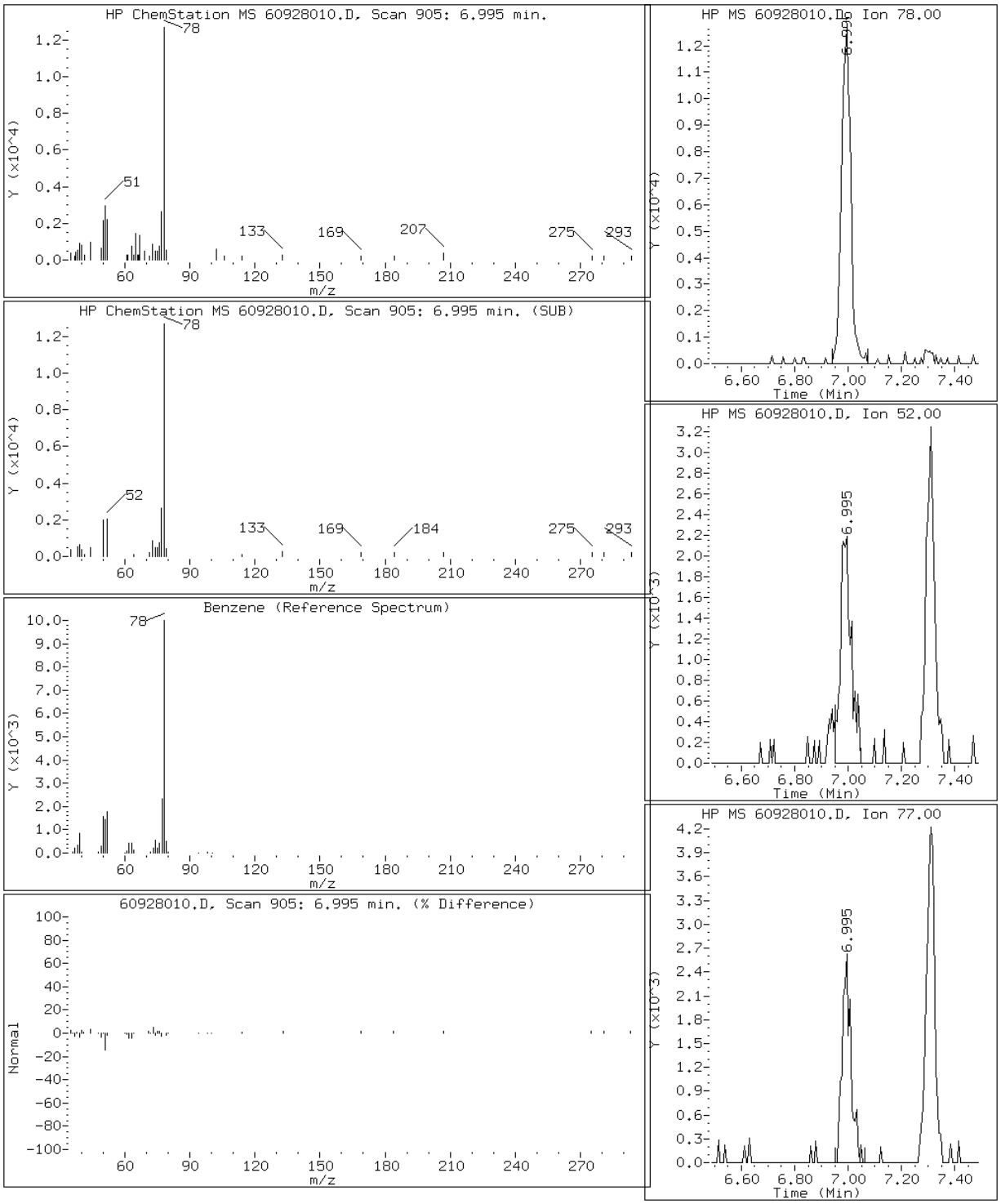
Data File: 60928010.D

Date: 28-SEP-2012 13:39

Client ID: MW-104 Instrument: hp6.i

Sample Info: 180-14634-F-2, 250x Operator: 001562

42 Benzene



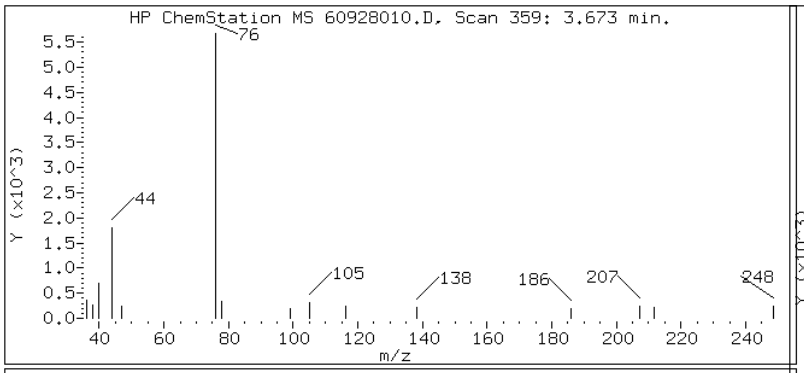
Data File: 60928010.D

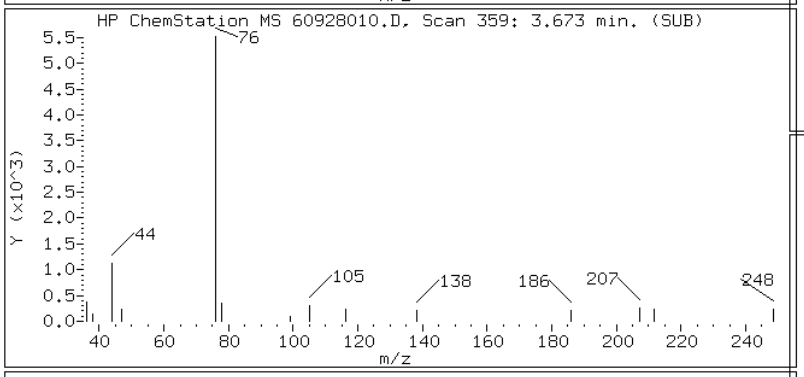
Date: 28-SEP-2012 13:39

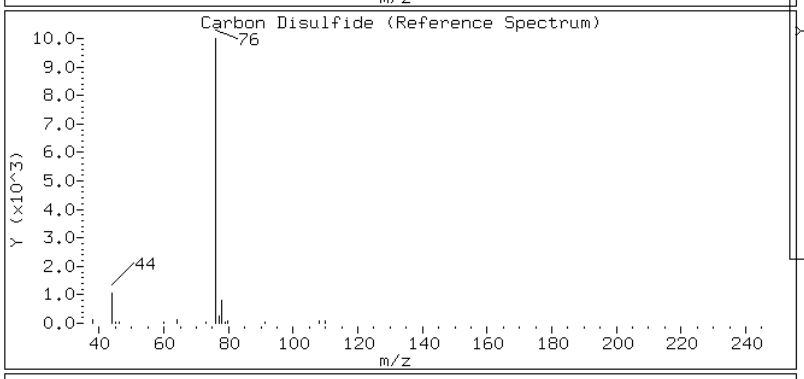
Client ID: MW-104 Instrument: hp6.i

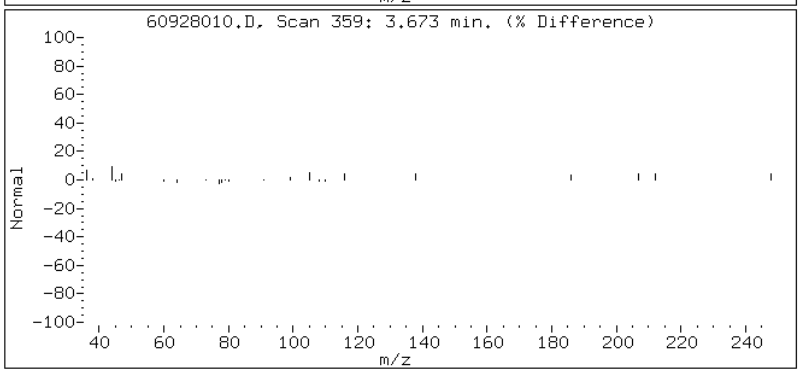
Sample Info: 180-14634-F-2, 250x Operator: 001562

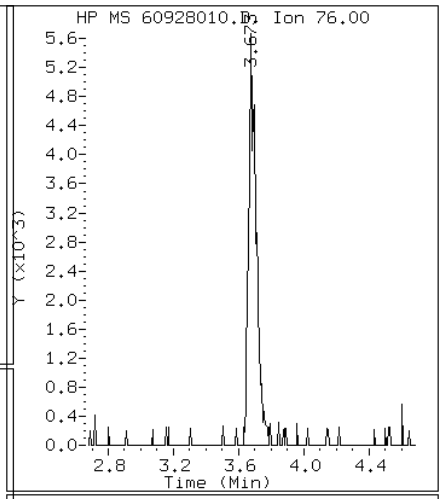
15 Carbon Disulfide

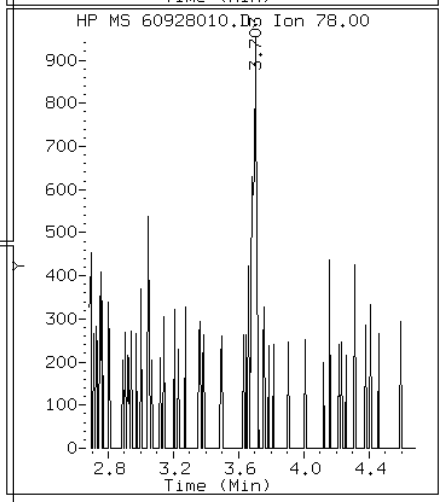












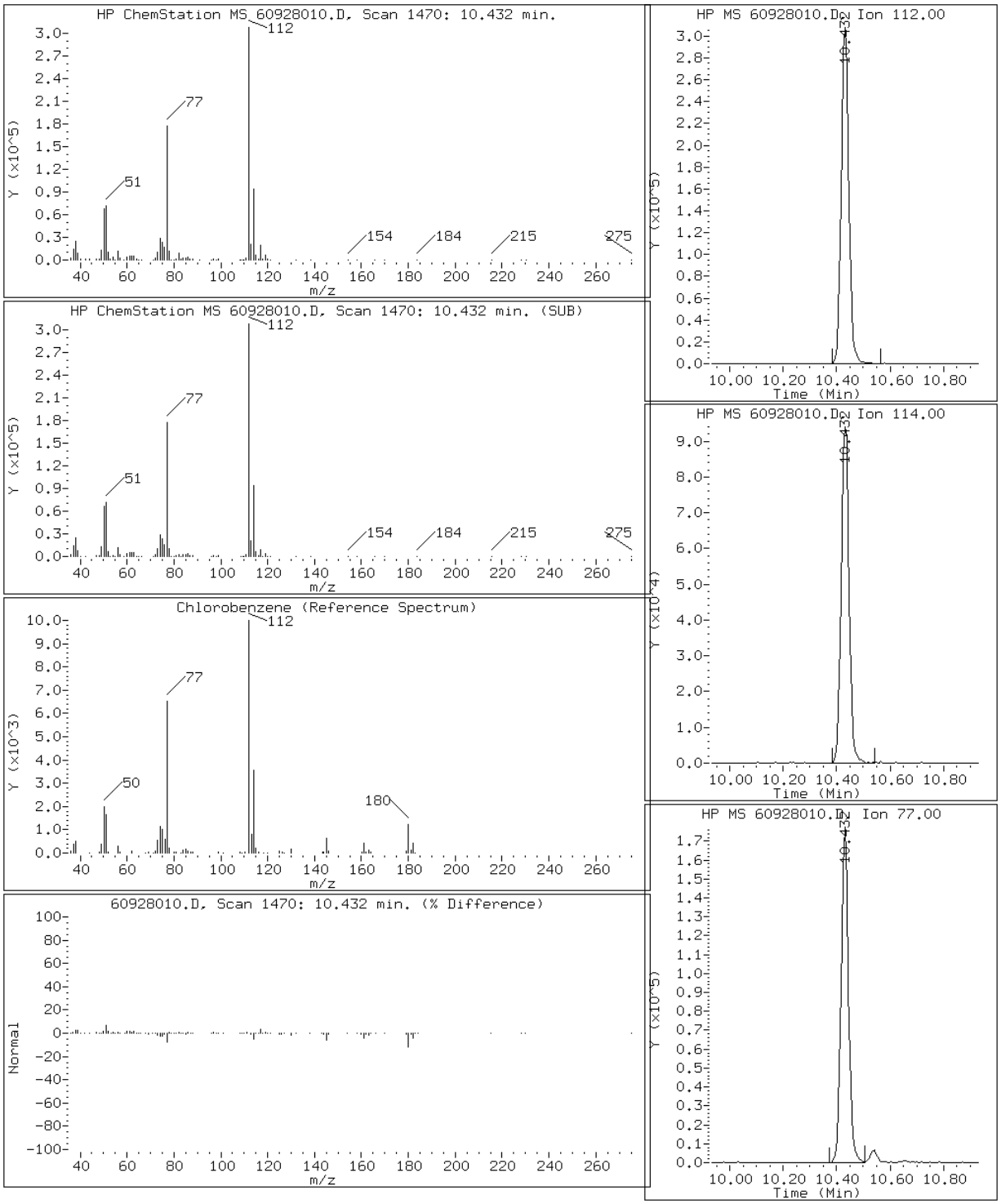
Data File: 60928010.D

Date: 28-SEP-2012 13:39

Client ID: MW-104 Instrument: hp6.i

Sample Info: 180-14634-F-2, 250x Operator: 001562

70 Chlorobenzene



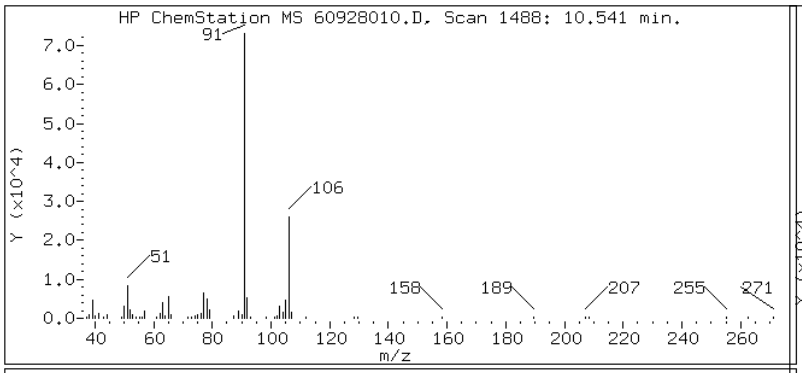
Data File: 60928010.D

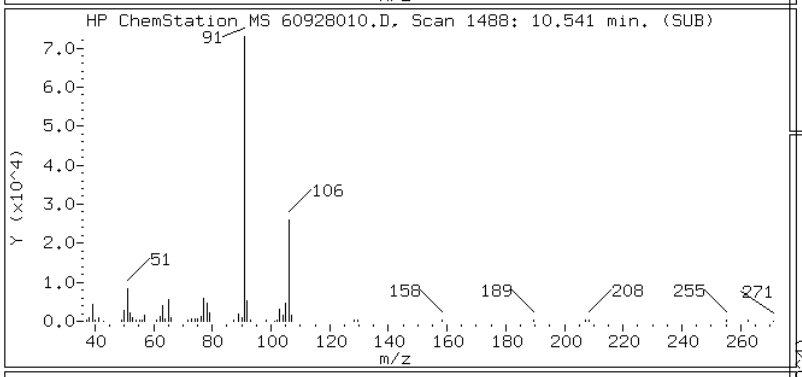
Date: 28-SEP-2012 13:39

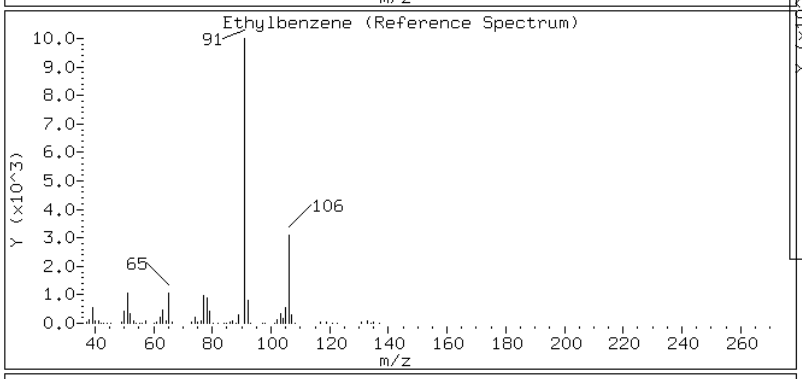
Client ID: MW-104 Instrument: hp6.i

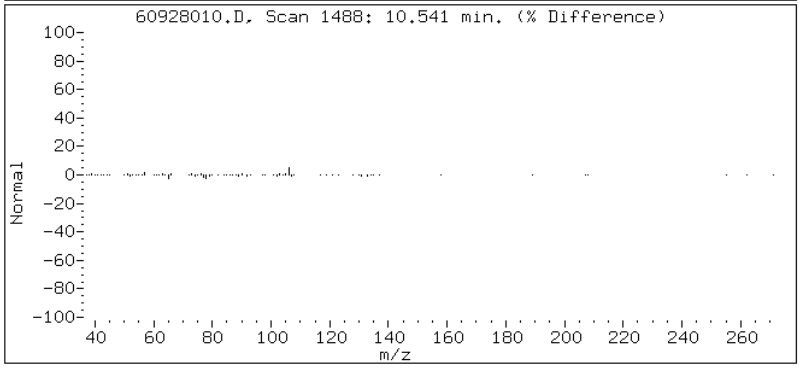
Sample Info: 180-14634-F-2, 250x Operator: 001562

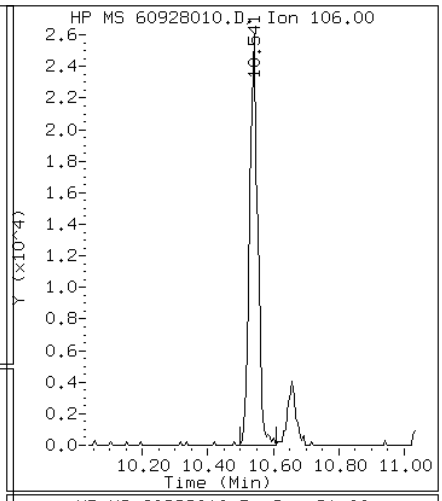
72 Ethylbenzene

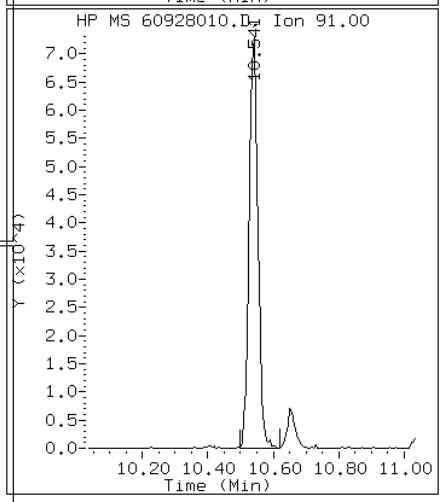












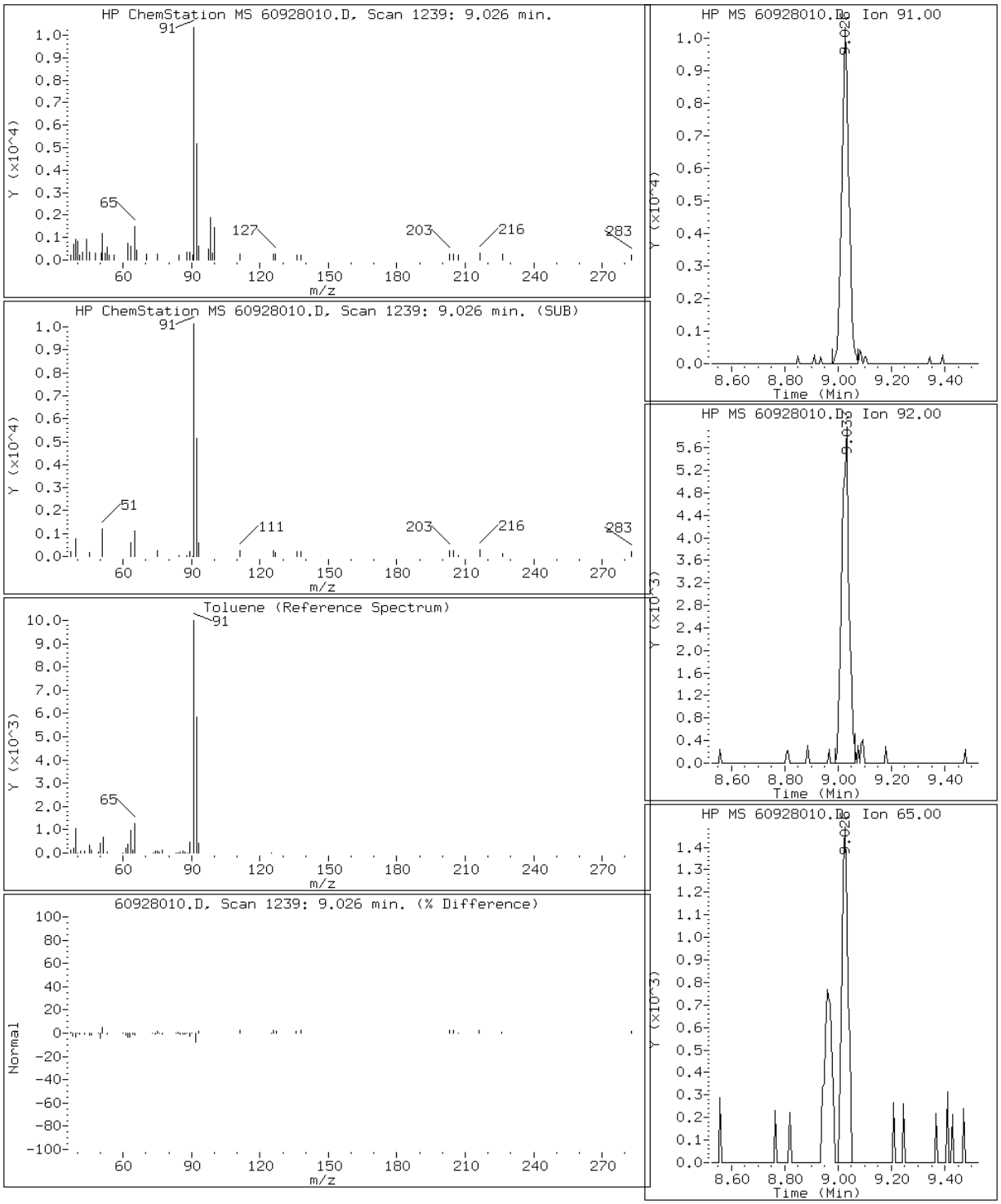
Data File: 60928010.D

Date: 28-SEP-2012 13:39

Client ID: MW-104 Instrument: hp6.i

Sample Info: 180-14634-F-2, 250x Operator: 001562

60 Toluene



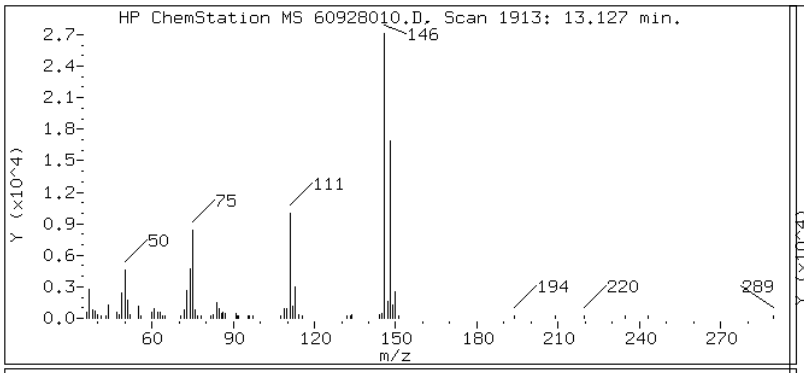
Data File: 60928010.D

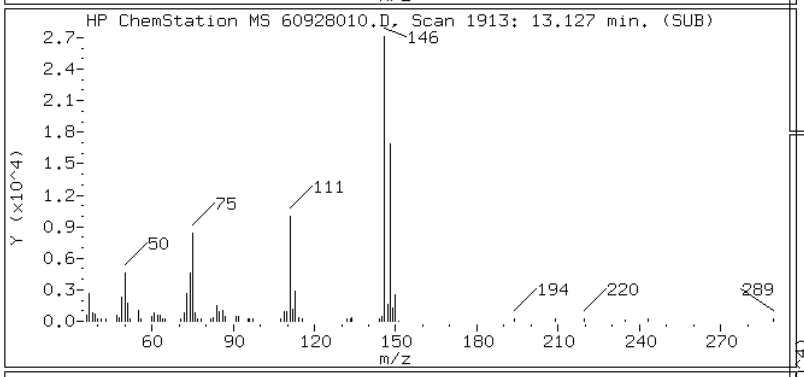
Date: 28-SEP-2012 13:39

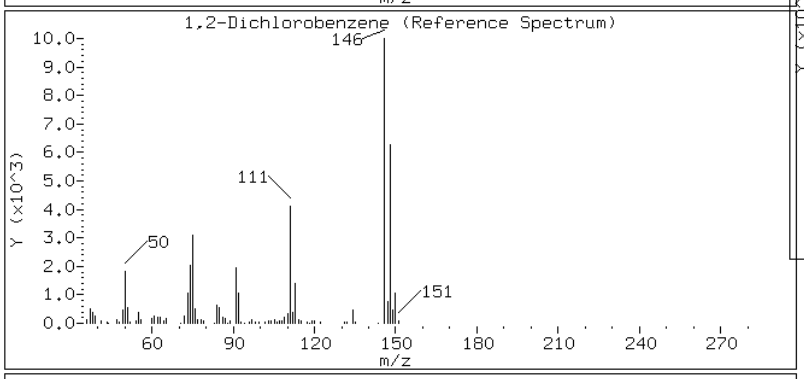
Client ID: MW-104 Instrument: hp6.i

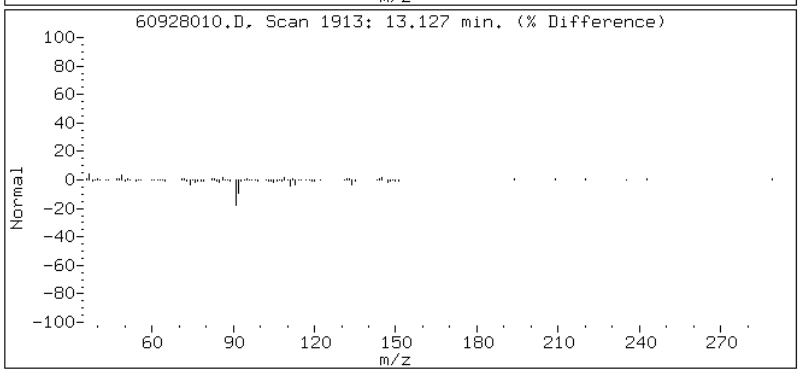
Sample Info: 180-14634-F-2, 250x Operator: 001562

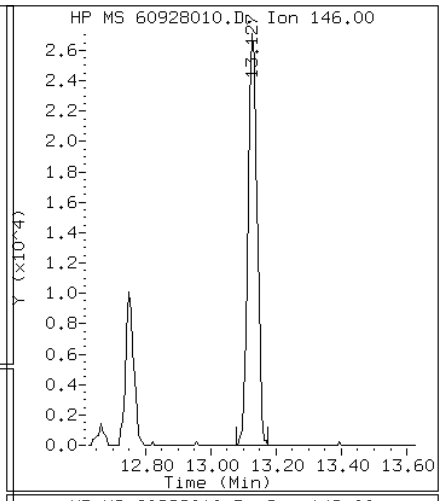
95 1,2-Dichlorobenzene

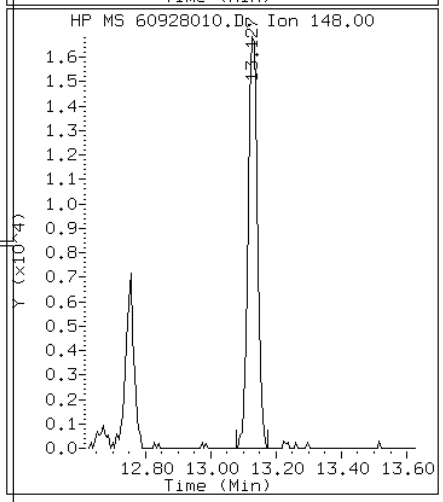












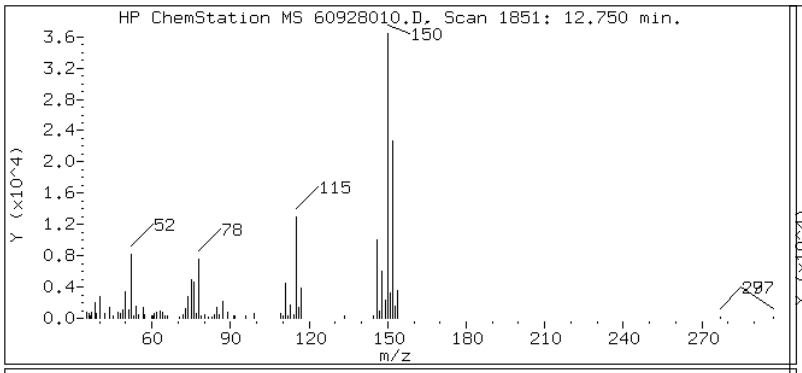
Data File: 60928010.D

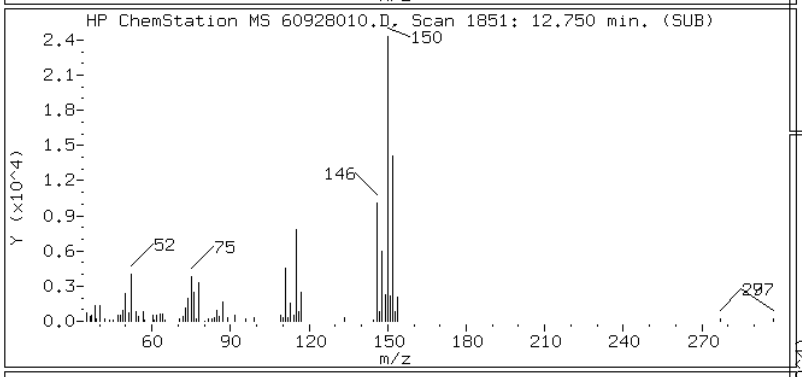
Date: 28-SEP-2012 13:39

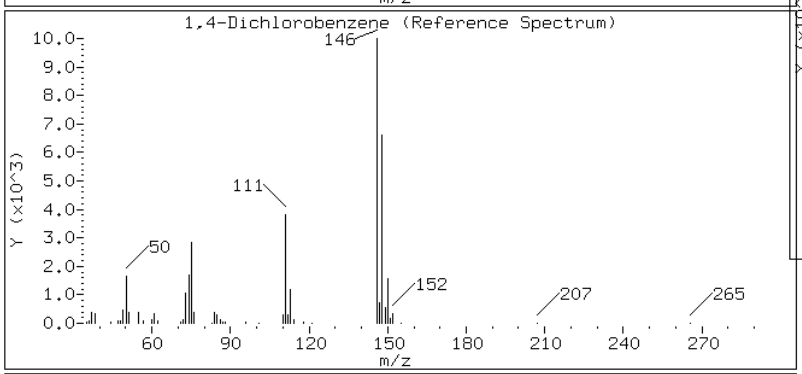
Client ID: MW-104 Instrument: hp6.i

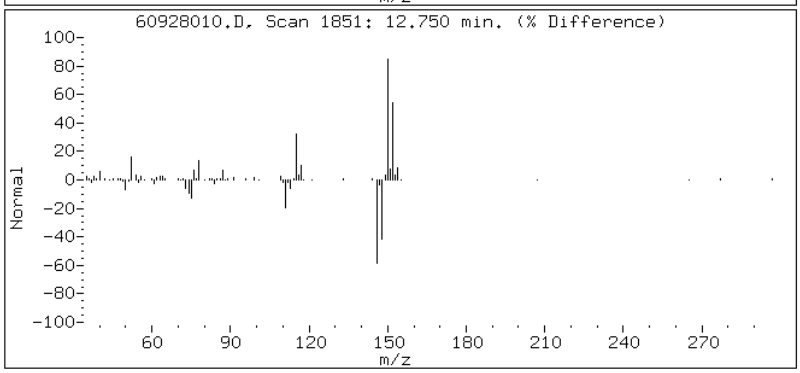
Sample Info: 180-14634-F-2, 250x Operator: 001562

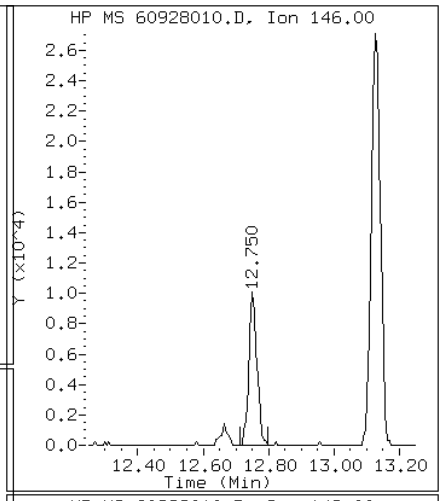
93 1,4-Dichlorobenzene

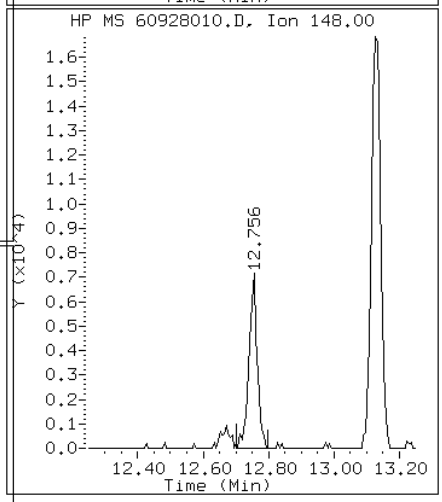












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-105 | Lab Sample ID: 180-14634-3

Matrix: Water | Lab File ID: 60928011.D

Analysis Method: 8260B | Date Collected: 09/19/2012 09:20

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2012 14:03

Soil Aliquot Vol: | Dilution Factor: 2

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 50119 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	ND		10	5.0
71-43-2	Benzene	2.7		2.0	0.21
75-27-4	Bromodichloromethane	ND		2.0	0.26
75-25-2	Bromoform	ND		2.0	0.38
74-83-9	Bromomethane	ND		2.0	0.63
78-93-3	2-Butanone (MEK)	ND		10	1.1
75-15-0	Carbon disulfide	1.0	J B	2.0	0.42
56-23-5	Carbon tetrachloride	ND		2.0	0.27
108-90-7	Chlorobenzene	1.8	J	2.0	0.27
75-00-3	Chloroethane	ND		2.0	0.43
67-66-3	Chloroform	ND		2.0	0.34
124-48-1	Dibromochloromethane	ND		2.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.28
106-93-4	1,2-Dibromoethane (EDB)	ND		2.0	0.36
75-34-3	1,1-Dichloroethane	ND		2.0	0.23
107-06-2	1,2-Dichloroethane	ND		2.0	0.42
75-35-4	1,1-Dichloroethene	ND		2.0	0.59
156-60-5	trans-1,2-Dichloroethene	ND		2.0	0.34
78-87-5	1,2-Dichloropropane	ND		2.0	0.19
10061-01-5	cis-1,3-Dichloropropene	ND		2.0	0.37
10061-02-6	trans-1,3-Dichloropropene	ND		2.0	0.30
100-41-4	Ethylbenzene	ND		2.0	0.45
591-78-6	2-Hexanone	ND		10	0.32
75-09-2	Methylene Chloride	ND		2.0	0.30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	1.1
100-42-5	Styrene	ND		2.0	0.19
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.0	0.40
127-18-4	Tetrachloroethene	ND		2.0	0.30
108-88-3	Toluene	ND		2.0	0.30
71-55-6	1,1,1-Trichloroethane	ND		2.0	0.57
79-00-5	1,1,2-Trichloroethane	ND		2.0	0.40
79-01-6	Trichloroethene	ND		2.0	0.29
75-69-4	Trichlorofluoromethane	ND		2.0	0.40
75-01-4	Vinyl chloride	5.6		2.0	0.45
1330-20-7	Xylenes, Total	ND		6.0	0.98
110-82-7	Cyclohexane	ND		2.0	0.51

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-105 | Lab Sample ID: 180-14634-3

Matrix: Water | Lab File ID: 60928011.D

Analysis Method: 8260B | Date Collected: 09/19/2012 09:20

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2012 14:03

Soil Aliquot Vol: | Dilution Factor: 2

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 50119 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	0.49	J	2.0	0.47
75-71-8	Dichlorodifluoromethane	ND		2.0	0.39
98-82-8	Isopropylbenzene	ND		2.0	0.33
79-20-9	Methyl acetate	ND		2.0	0.28
108-87-2	Methylcyclohexane	ND		2.0	0.52
1634-04-4	Methyl tert-butyl ether	ND		2.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.64
95-50-1	1,2-Dichlorobenzene	ND		2.0	0.30
541-73-1	1,3-Dichlorobenzene	ND		2.0	0.21
106-46-7	1,4-Dichlorobenzene	ND		2.0	0.41
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.54
74-87-3	Chloromethane	ND		2.0	0.57
123-91-1	1,4-Dioxane	280	J	400	69

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		64-135
2037-26-5	Toluene-d8 (Surr)	90		71-118
460-00-4	4-Bromofluorobenzene (Surr)	90		70-118
1868-53-7	Dibromofluoromethane (Surr)	98		70-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-105 Lab Sample ID: 180-14634-3

Matrix: Water Lab File ID: 60928011.D

Analysis Method: 8260B Date Collected: 09/19/2012 09:20

Sample wt/vol: 5(mL) Date Analyzed: 09/28/2012 14:03

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 50119 Units: ug/L

Number TICs Found: 2 TIC Result Total: 162

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-43-4	Methane, dichlorofluoro-	2.66	22	T J N
108-20-3	Diisopropyl ether	5.35	140	T J N

FORM I-TIC 8260B

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6092812d.b\60928011.D
Lab Smp Id: 180-14634-F-3 Client Smp ID: MW-105
Inj Date : 28-SEP-2012 14:03
Operator : 001562 Inst ID: hp6.i
Smp Info : 180-14634-F-3, 2x
Misc Info : 180-14634-F-3
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6092812d.b\T8260bllw.m
Meth Date : 28-Sep-2012 18:07 lipayj Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 61
Dil Factor: 2.00000
Integrator: HP RTE Compound Sublist: 1-634.sub
Target Version: 4.14
Processing Host: PITPC-530

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 46 Fluorobenzene (IS)	96	7.304	7.305	(1.000)	549987	50.0000	
* 69 Chlorobenzene-d5	119	10.406	10.402	(1.000)	122155	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.730	12.726	(1.000)	175875	50.0000	
$ 39 Dibromofluoromethane (Surr)	113	6.561	6.563	(0.898)	109001	49.1574	49.16
$ 43 1,2-Dichloroethane-d4	65	6.932	6.934	(0.949)	141112	57.1025	57.10
$ 59 Toluene-d8	98	8.958	8.960	(0.861)	495639	44.7748	44.77
$ 80 Bromofluorobenzene (Surr)	95	11.568	11.570	(1.112)	158990	44.9708	44.97
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	1.901	1.897	(0.260)	47254	14.0342	28.07(H)
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
10 1,1,2-trichloro-1,2,2-trifluor	101	Compound Not Detected.					
12 1,1-Dichloroethene	96	Compound Not Detected.					
15 Carbon Disulfide	76	3.690	3.680	(0.505)	17442	2.54670	5.093
13 Acetone	43	Compound Not Detected.					
18 Methylene Chloride	84	Compound Not Detected.					
19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
20 Methyl tert-butyl ether	73	Compound Not Detected.					
24 1,1-Dichloroethane	63	Compound Not Detected.					
28 cis-1,2-dichloroethene	96	5.959	5.967	(0.816)	3987	1.21712	2.434
M 29 1,2-Dichloroethene (total)	96				3987	1.21712	2.434
31 2-Butanone	43	Compound Not Detected.					
37 Chloroform	83	Compound Not Detected.					
38 1,1,1-Trichloroethane	97	Compound Not Detected.					
40 1,1-Dichloropropene	75	Compound Not Detected.					
41 Carbon Tetrachloride	117	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
42 Benzene	78	6.993	6.989	(0.958)	84778	6.84069	13.68
45 1,2-Dichloroethane	62	Compound Not Detected.					
47 Trichloroethene	130	Compound Not Detected.					
49 1,2-Dichloropropane	63	Compound Not Detected.					
53 Bromodichloromethane	83	Compound Not Detected.					
57 cis-1,3-Dichloropropene	75	Compound Not Detected.					
58 4-Methyl-2-Pentanone	43	Compound Not Detected.					
60 Toluene	91	Compound Not Detected.					
61 trans-1,3-Dichloropropene	75	Compound Not Detected.					
63 1,3-Dichloropropane	76	Compound Not Detected.					
64 1,1,2-Trichloroethane	97	Compound Not Detected.					
65 Tetrachloroethene	164	Compound Not Detected.					
66 2-Hexanone	43	Compound Not Detected.					
67 Dibromochloromethane	129	Compound Not Detected.					
68 1,2-Dibromoethane	107	Compound Not Detected.					
70 Chlorobenzene	112	10.430	10.432	(1.002)	34499	4.41044	8.821
72 Ethylbenzene	106	Compound Not Detected.					
73 m + p-Xylene	106	Compound Not Detected.					
74 Xylene-o	106	Compound Not Detected.					
M 75 Xylenes (total)	106	Compound Not Detected.					
76 Styrene	104	Compound Not Detected.					
77 Bromoform	173	Compound Not Detected.					
78 Isopropylbenzene	105	Compound Not Detected.					
83 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91 1,3-Dichlorobenzene	146	Compound Not Detected.					
93 1,4-Dichlorobenzene	146	Compound Not Detected.					
95 1,2-Dichlorobenzene	146	Compound Not Detected.					
96 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
156 Methyl Acetate	43	Compound Not Detected.					
157 Cyclohexane	56	Compound Not Detected.					
158 Methyl Cyclohexane	83	Compound Not Detected.					
52 1,4-Dioxane	88	8.101	8.090	(1.109)	18056	710.264	1420(M)

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6092812d.b\60928011.D
Lab Smp Id: 180-14634-F-3 Client Smp ID: MW-105
Inj Date : 28-SEP-2012 14:03
Operator : 001562 Inst ID: hp6.i
Smp Info : 180-14634-F-3, 2x
Misc Info : 180-14634-F-3
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6092812d.b\T8260bllw.m
Meth Date : 28-Sep-2012 18:07 lipayj Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 61
Dil Factor: 2.00000
Integrator: HP RTE Compound Sublist: 1-634.sub
Target Version: 4.14
Processing Host: PITPC-530

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 46 Fluorobenzene (IS)	7.304	1169544	50.000
* 69 Chlorobenzene-d5	10.407	1327844	50.000

	CONCENTRATIONS				QUANT			
RT	AREA	ON-COL(ng)	FINAL(ng)	QUAL	LIBRARY	LIB ENTRY	CPND #	
Unknown					CAS #:			
1.707	203040	8.68029006	17.36	0		0	46	
Unknown					CAS #:			
2.011	288856	12.3490648	24.70	0		0	46	
Methane, dichlorofluoro-					CAS #: 75-43-4			
2.662	1269212	54.2609843	108.5	96	Nist98.l	21313	46	
Ethyl ether					CAS #: 60-29-7			
3.100	215051	9.19378308	18.39	90	Nist98.l	108311	46	
Unknown					CAS #:			
3.520	258513	11.0518735	22.10	0		0	46	
Diisopropyl ether					CAS #: 108-20-3			
5.345	8007494	342.333988	684.7	91	Nist98.l	110833	46	
Unknown					CAS #:			
6.325	127123	5.43473701	10.87	0		0	46	

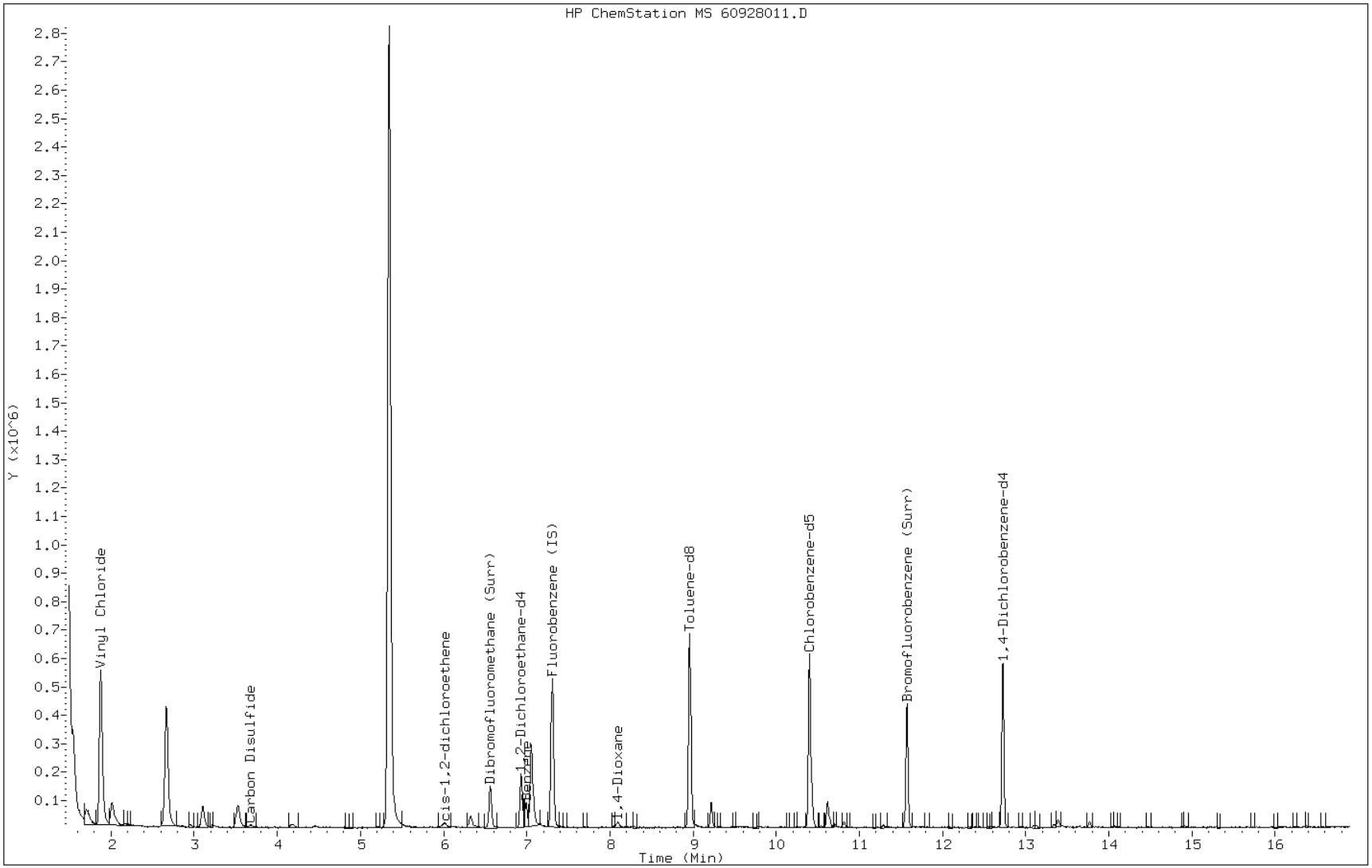
		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ng)	QUAL	LIBRARY	LIB ENTRY	CPND #
====	====	==========	==========	====	=======	=========	======
Unknown Hydrocarbon					CAS #:		
7.061	738722	31.5816397	63.16	0		0	46
Unknown					CAS #:		
9.214	161325	6.07468407	12.15	0		0	69
Unknown					CAS #:		
10.620	206436	7.77333752	15.55	0		0	69

Data File: 60928011.D

Date: 28-SEP-2012 14:03

Client ID: MW-105 Instrument: hp6.i

Sample Info: 180-14634-F-3, 2x Operator: 001562



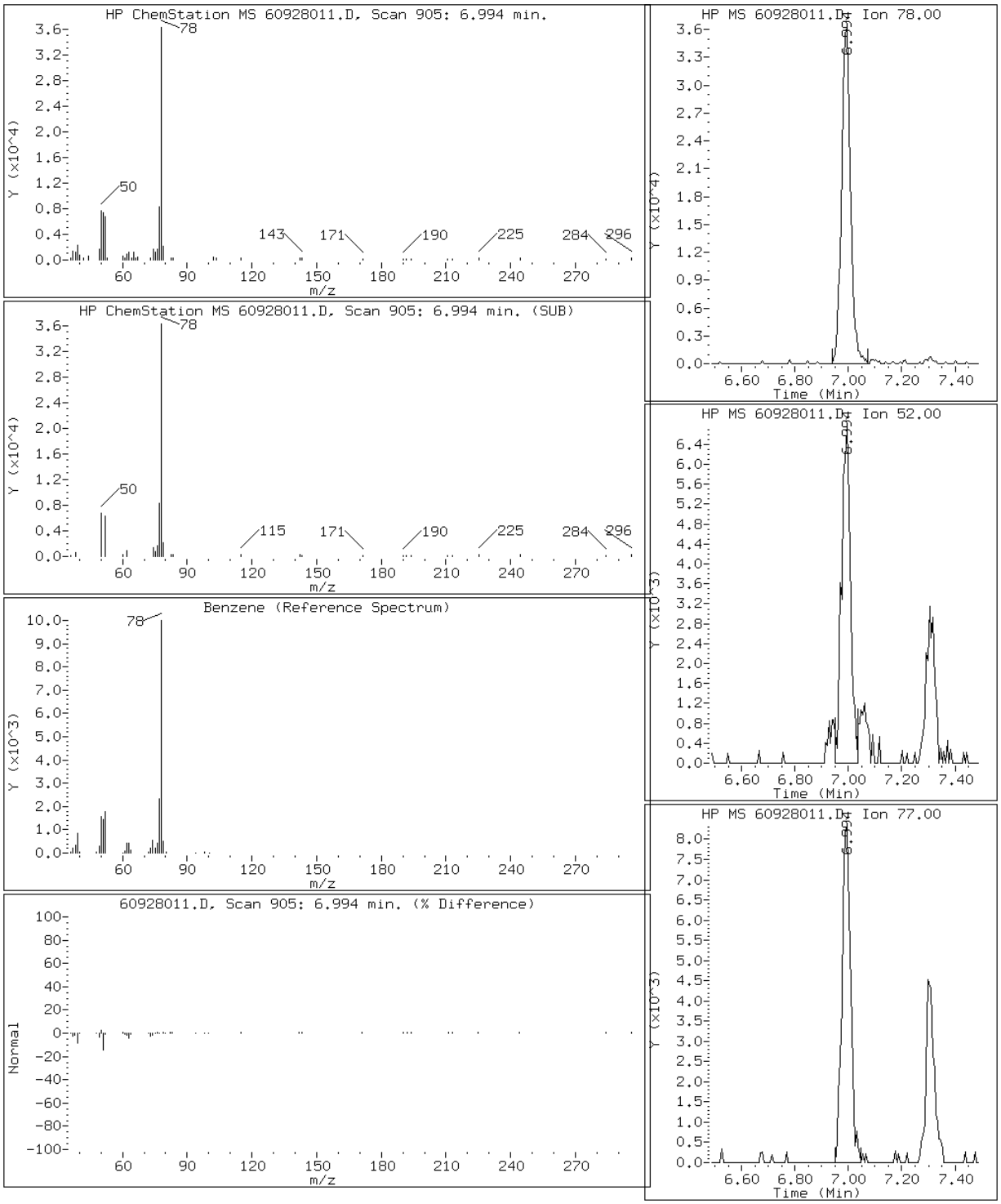
Data File: 60928011.D

Date: 28-SEP-2012 14:03

Client ID: MW-105 Instrument: hp6.i

Sample Info: 180-14634-F-3, 2x Operator: 001562

42 Benzene



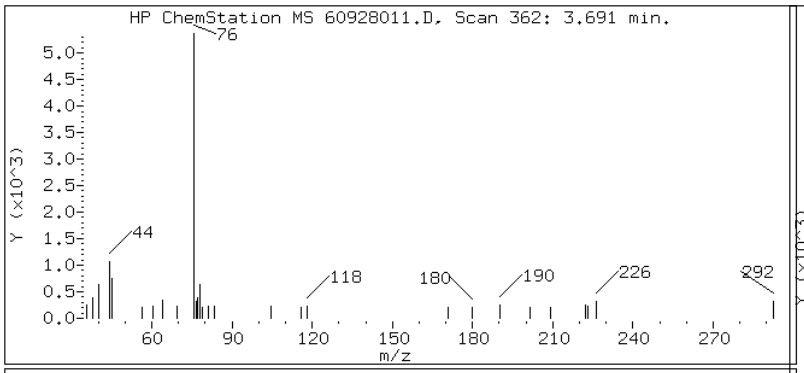
Data File: 60928011.D

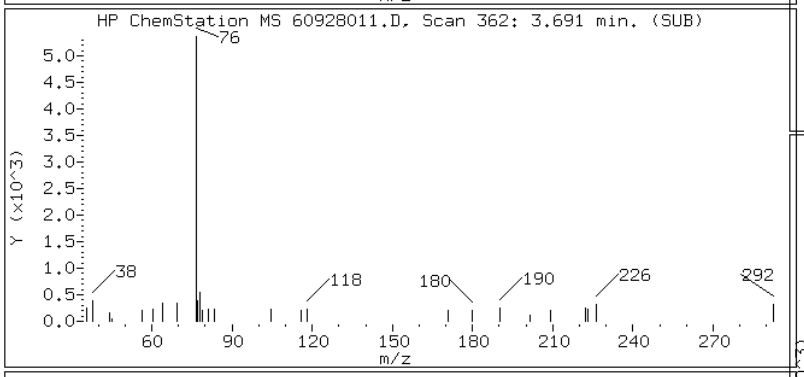
Date: 28-SEP-2012 14:03

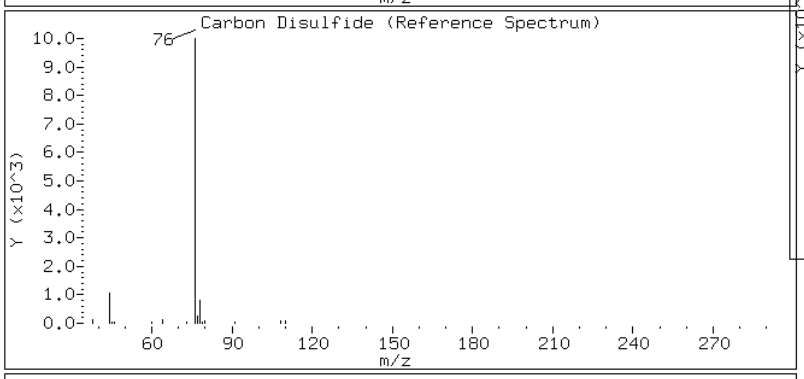
Client ID: MW-105 Instrument: hp6.i

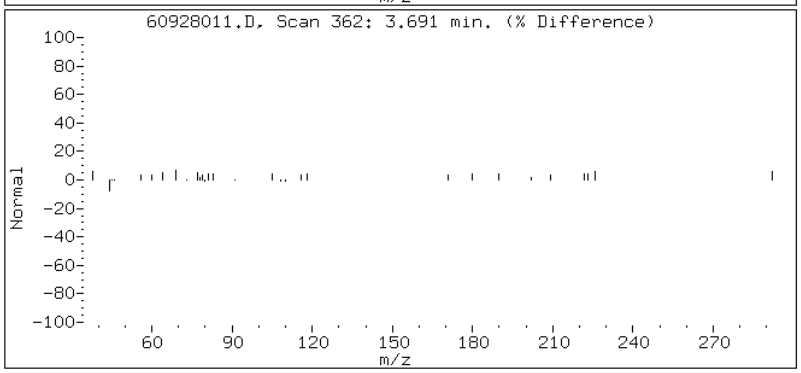
Sample Info: 180-14634-F-3, 2x Operator: 001562

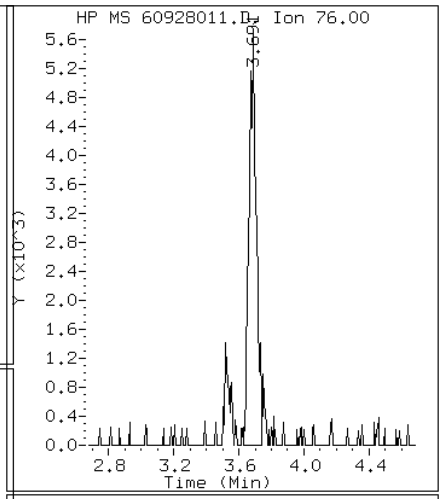
15 Carbon Disulfide

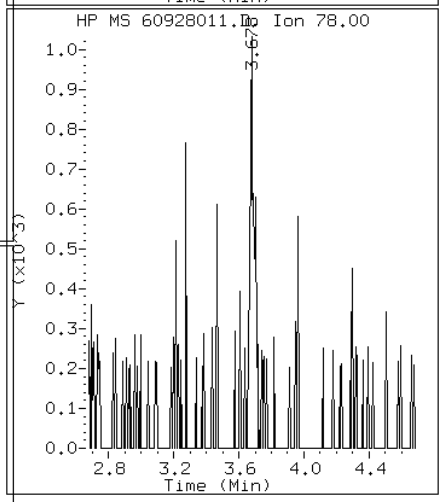












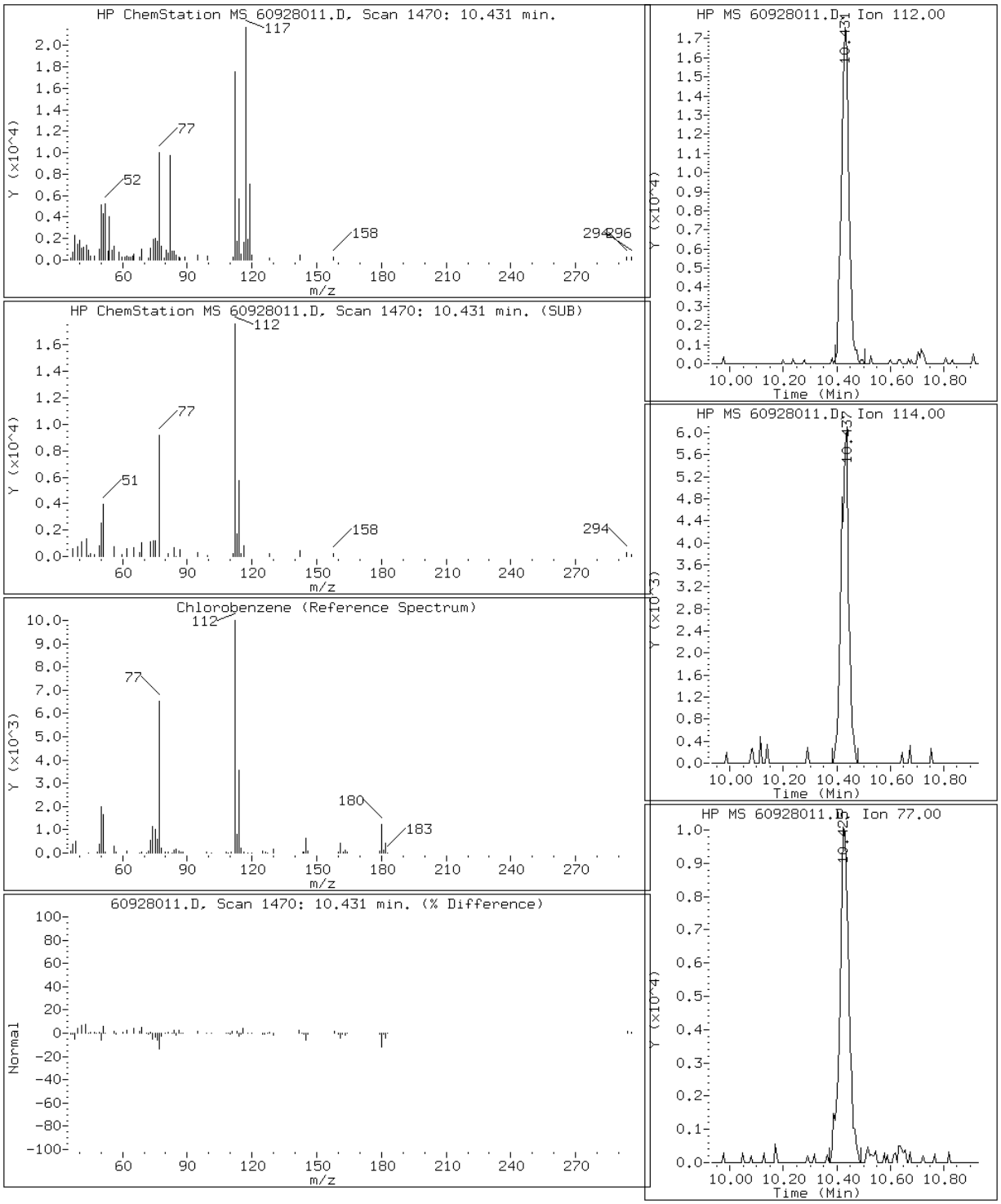
Data File: 60928011.D

Date: 28-SEP-2012 14:03

Client ID: MW-105 Instrument: hp6.i

Sample Info: 180-14634-F-3, 2x Operator: 001562

70 Chlorobenzene



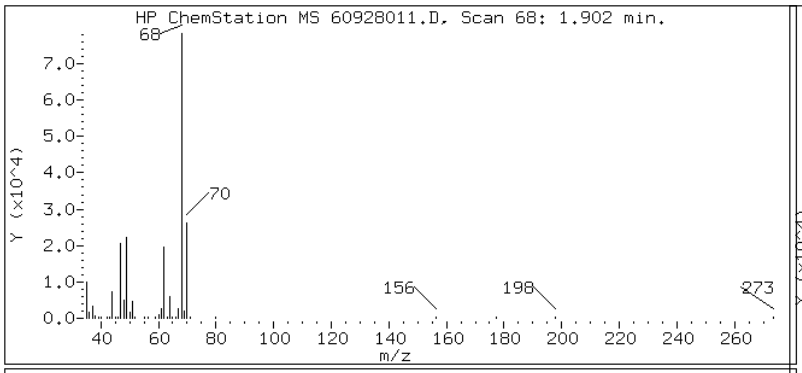
Data File: 60928011.D

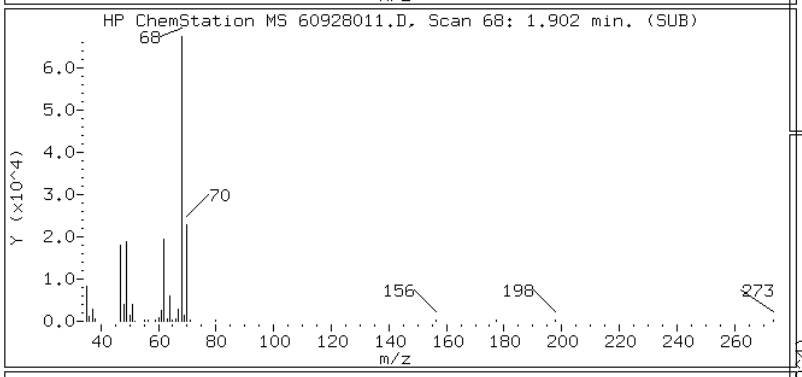
Date: 28-SEP-2012 14:03

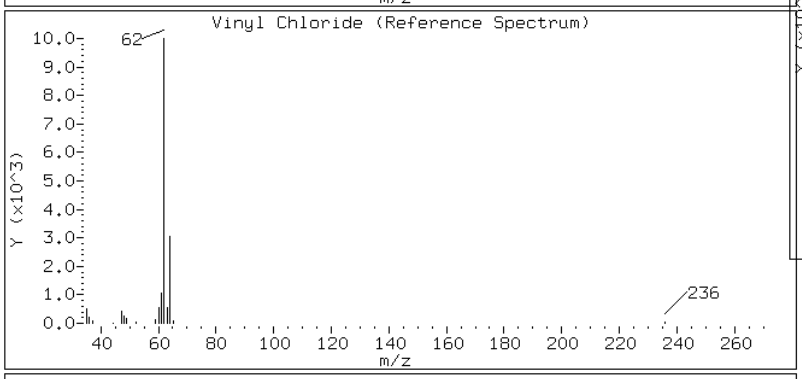
Client ID: MW-105 Instrument: hp6.i

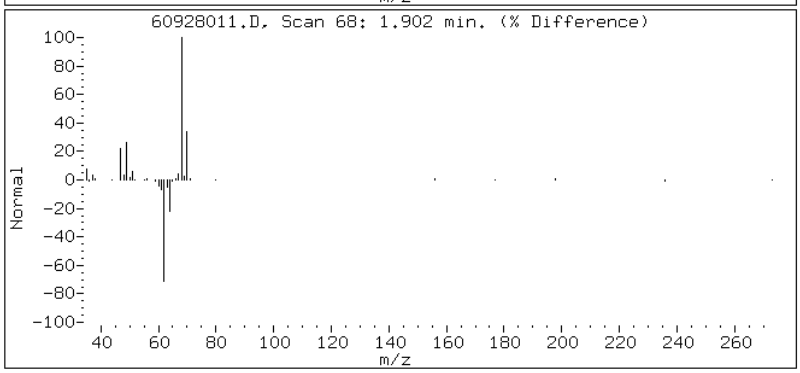
Sample Info: 180-14634-F-3, 2x Operator: 001562

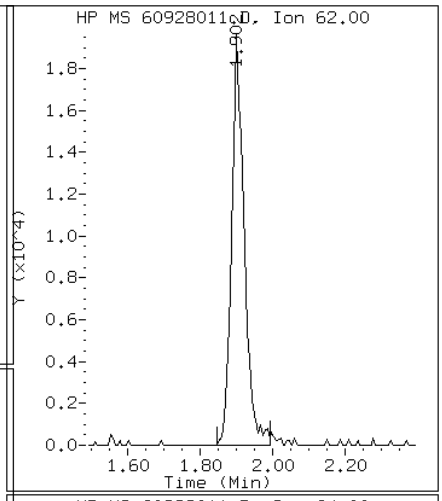
3 Vinyl Chloride

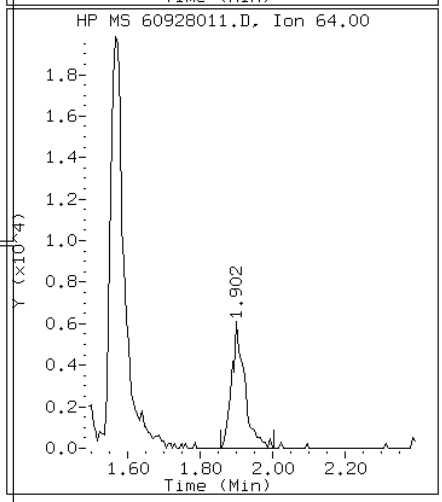












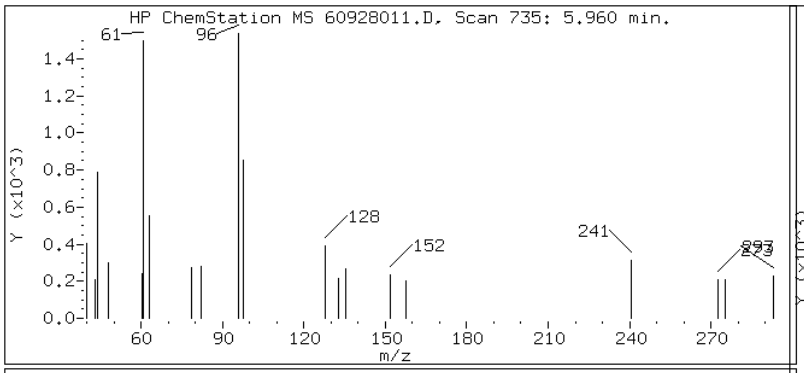
Data File: 60928011.D

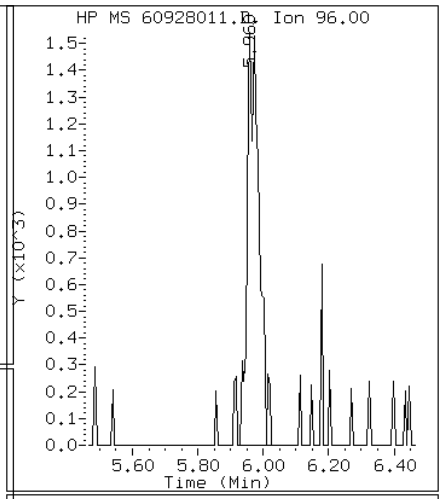
Date: 28-SEP-2012 14:03

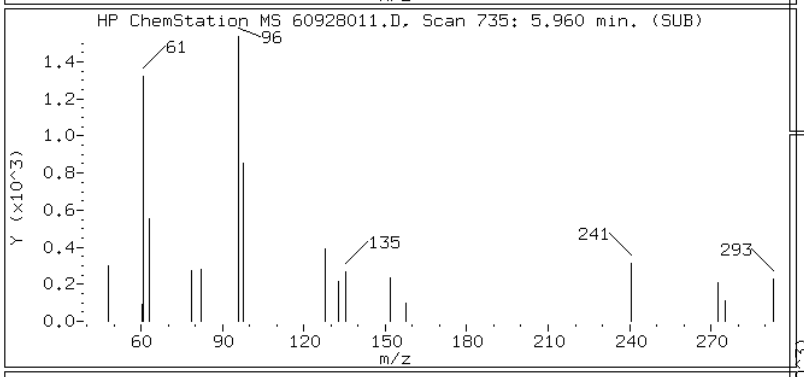
Client ID: MW-105 Instrument: hp6.i

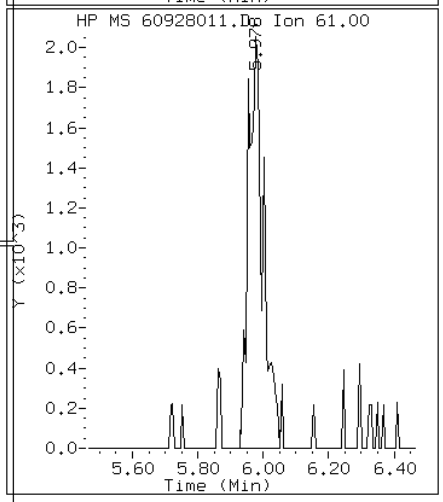
Sample Info: 180-14634-F-3, 2x Operator: 001562

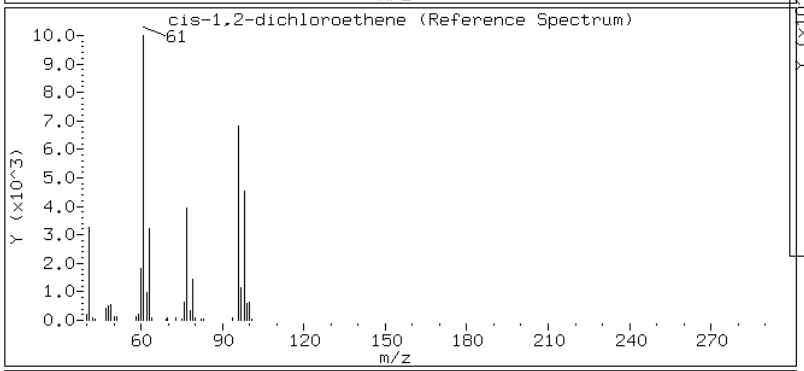
28 cis-1,2-dichloroethene

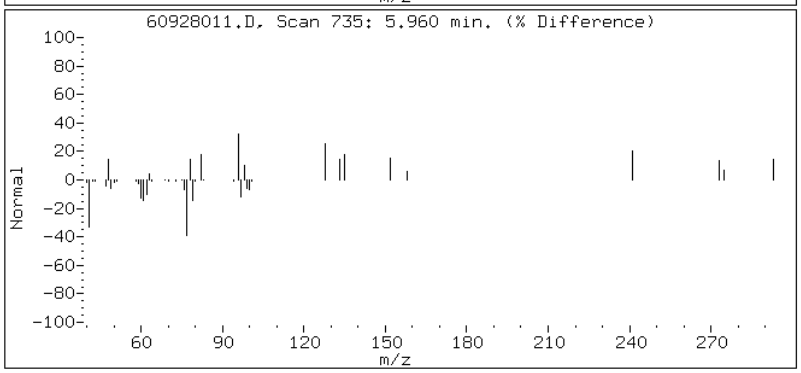












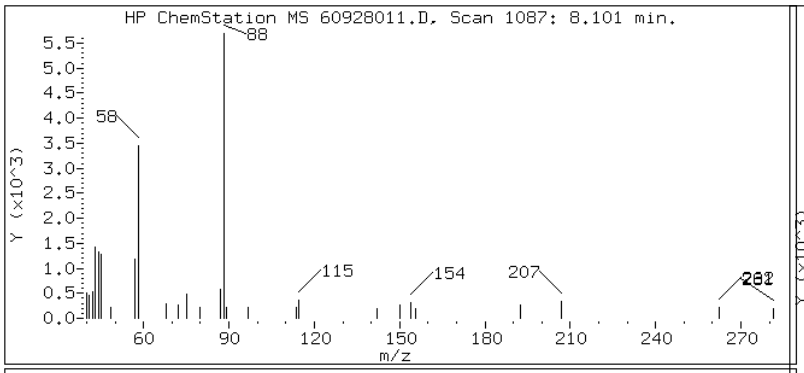
Data File: 60928011.D

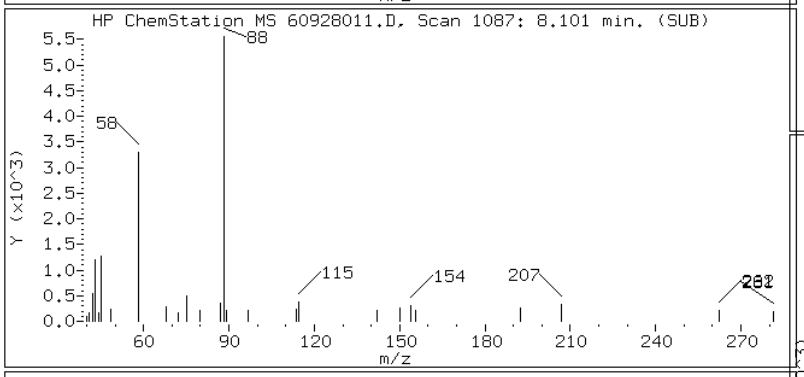
Date: 28-SEP-2012 14:03

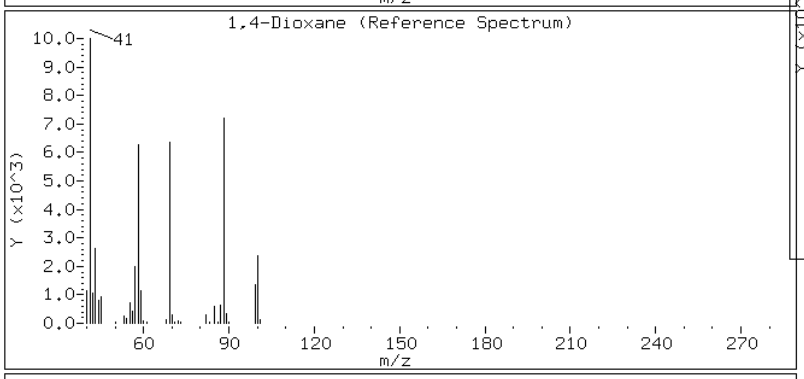
Client ID: MW-105 Instrument: hp6.i

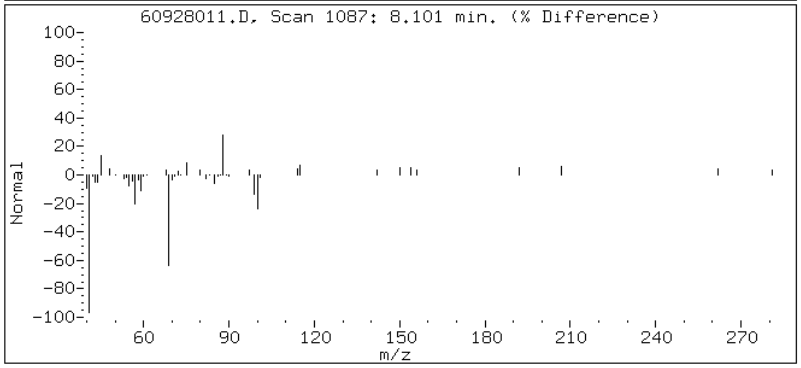
Sample Info: 180-14634-F-3, 2x Operator: 001562

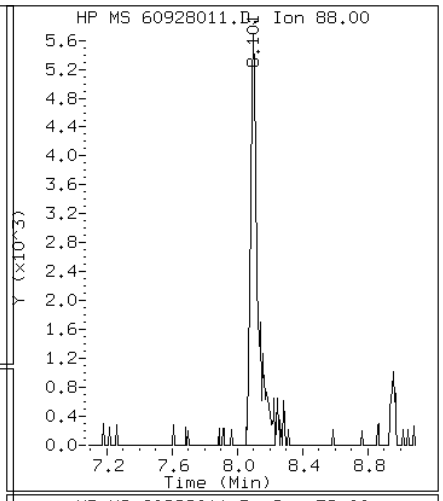
52 1,4-Dioxane

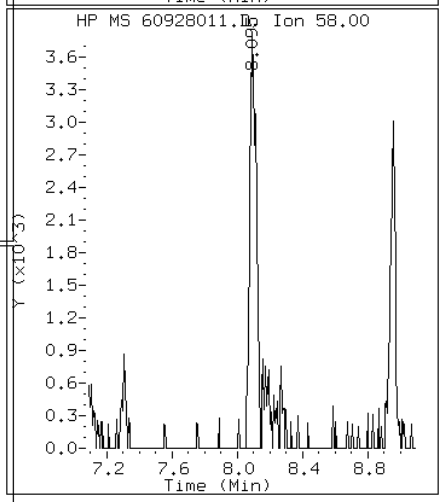












Manual Integration Report

Data File: 60928011.D
Inj. Date and Time: 28-SEP-2012 14:03
Instrument ID: hp6.i
Client ID: MW-105
Compound: 52 1,4-Dioxane
CAS #: 123-91-1
Report Date: 09/28/2012

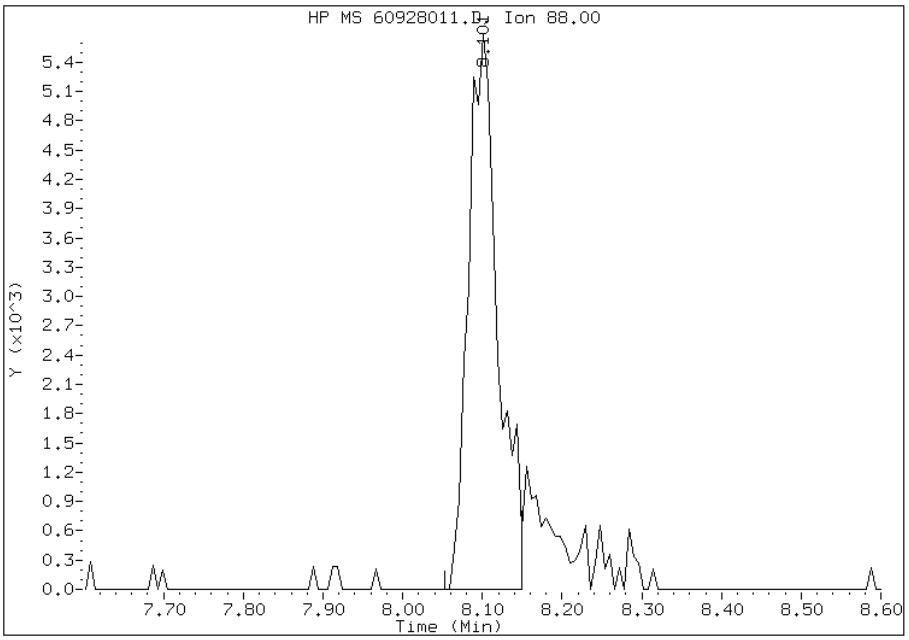
Processing Integration Results

RT: 8.10

Response: 15023

Amount: 591

Conc: 118



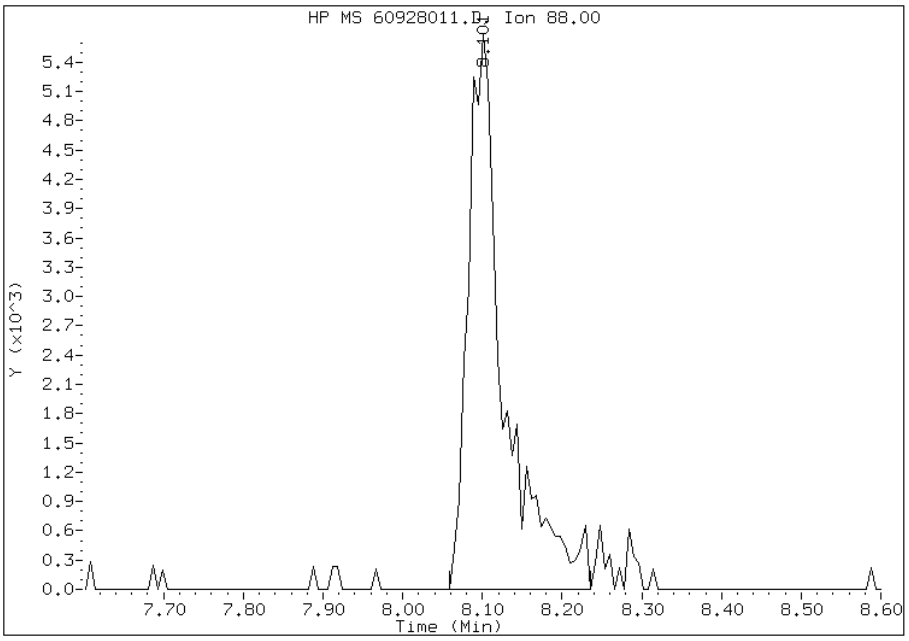
Manual Integration Results

RT: 8.10

Response: 18056

Amount: 710

Conc: 1421



Manually Integrated By: lipayj
Modification Date: 28-Sep-2012 18:19
Manual Integration Reason: Peak Integrated Incorrectly

Data File: 60928011.D

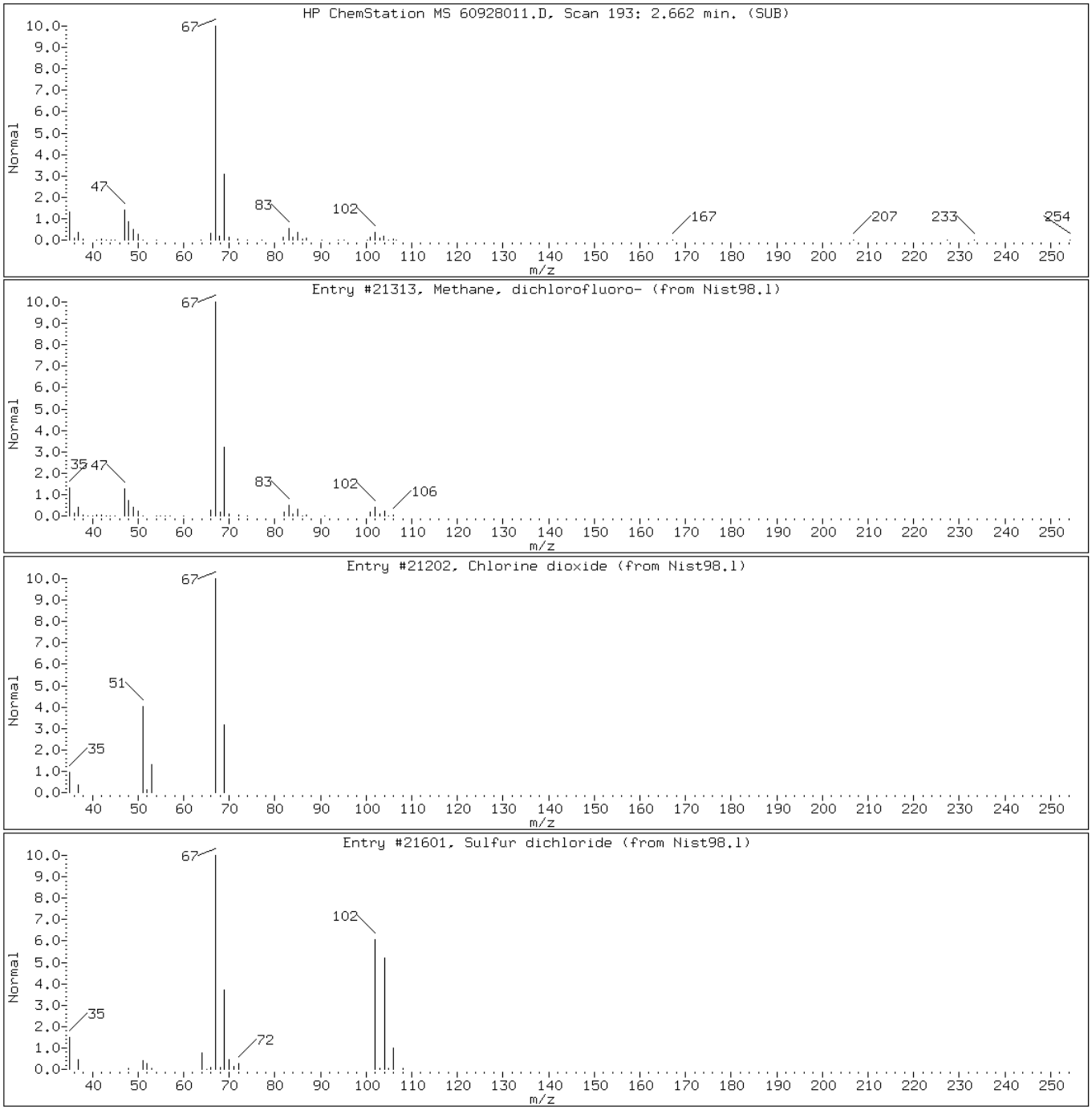
Date: 28-SEP-2012 14:03

Client ID: MW-105 Instrument: hp6.i

Sample Info: 180-14634-F-3, 2x Operator: 001562

Retention Time: 2.66

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Methane, dichlorofluoro-	75-43-4	Nist98.l	21313	96	CHCl2F	102
Chlorine dioxide	10049-04-4	Nist98.l	21202	42	ClO2	67
Sulfur dichloride	10545-99-0	Nist98.l	21601	9	Cl2S	102



Data File: 60928011.D

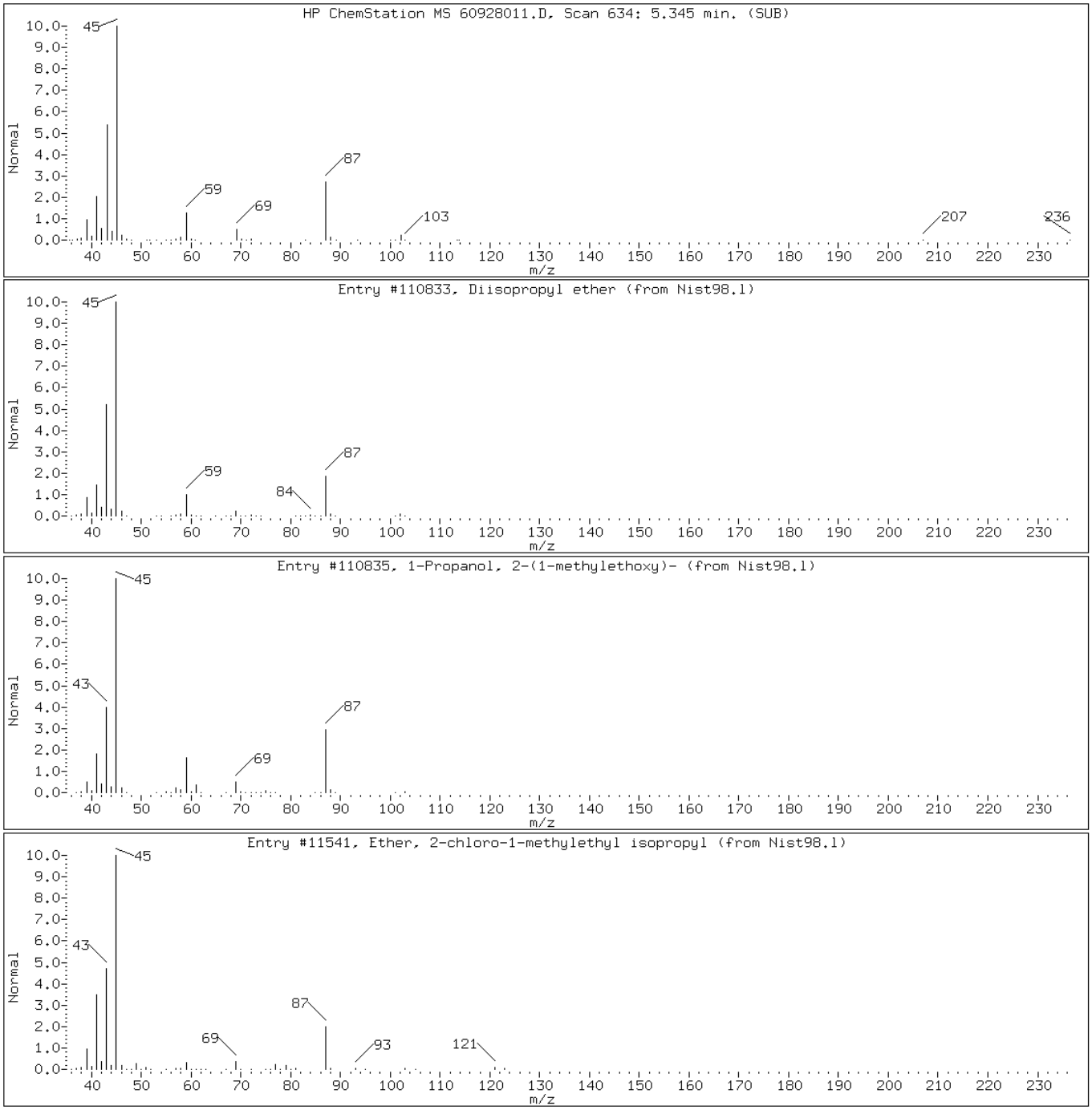
Date: 28-SEP-2012 14:03

Client ID: MW-105 Instrument: hp6.i

Sample Info: 180-14634-F-3, 2x Operator: 001562

Retention Time: 5.35

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Diisopropyl ether	108-20-3	Nist98.l	110833	91	C6H14O	102
1-Propanol, 2-(1-methylethoxy)-	3944-37-4	Nist98.l	110835	78	C6H14O2	118
Ether, 2-chloro-1-methylethyl isop	98277-76-0	Nist98.l	11541	56	C6H13ClO	136



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-109 | Lab Sample ID: 180-14634-4

Matrix: Water | Lab File ID: 60928012.D

Analysis Method: 8260B | Date Collected: 09/19/2012 10:30

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2012 14:27

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 50119 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	ND		5.0	2.5
71-43-2	Benzene	ND		1.0	0.11
75-27-4	Bromodichloromethane	ND		1.0	0.13
75-25-2	Bromoform	ND		1.0	0.19
74-83-9	Bromomethane	ND		1.0	0.31
78-93-3	2-Butanone (MEK)	ND		5.0	0.55
75-15-0	Carbon disulfide	0.58	J B	1.0	0.21
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	0.59	J	1.0	0.14
75-00-3	Chloroethane	ND		1.0	0.21
67-66-3	Chloroform	ND		1.0	0.17
124-48-1	Dibromochloromethane	ND		1.0	0.14
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.14
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.18
75-34-3	1,1-Dichloroethane	ND		1.0	0.12
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.17
78-87-5	1,2-Dichloropropane	ND		1.0	0.095
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.15
100-41-4	Ethylbenzene	ND		1.0	0.23
591-78-6	2-Hexanone	ND		5.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.15
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53
100-42-5	Styrene	ND		1.0	0.097
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		1.0	0.15
108-88-3	Toluene	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.29
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.14
75-69-4	Trichlorofluoromethane	ND		1.0	0.20
75-01-4	Vinyl chloride	0.84	J	1.0	0.23
1330-20-7	Xylenes, Total	ND		3.0	0.49
110-82-7	Cyclohexane	ND		1.0	0.25

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-109 | Lab Sample ID: 180-14634-4

Matrix: Water | Lab File ID: 60928012.D

Analysis Method: 8260B | Date Collected: 09/19/2012 10:30

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2012 14:27

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 50119 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	0.50	J	1.0	0.24
75-71-8	Dichlorodifluoromethane	ND		1.0	0.19
98-82-8	Isopropylbenzene	ND		1.0	0.16
79-20-9	Methyl acetate	ND		1.0	0.14
108-87-2	Methylcyclohexane	ND		1.0	0.26
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.18
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.15
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.11
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.21
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.27
74-87-3	Chloromethane	ND		1.0	0.28
123-91-1	1,4-Dioxane	ND		200	34

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		64-135
2037-26-5	Toluene-d8 (Surr)	88		71-118
460-00-4	4-Bromofluorobenzene (Surr)	91		70-118
1868-53-7	Dibromofluoromethane (Surr)	98		70-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-109 Lab Sample ID: 180-14634-4

Matrix: Water Lab File ID: 60928012.D

Analysis Method: 8260B Date Collected: 09/19/2012 10:30

Sample wt/vol: 5(mL) Date Analyzed: 09/28/2012 14:27

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 50119 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

FORM I-TIC 8260B

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6092812d.b\60928012.D
Lab Smp Id: 180-14634-G-4 Client Smp ID: MW-109
Inj Date : 28-SEP-2012 14:27
Operator : 001562 Inst ID: hp6.i
Smp Info : 180-14634-G-4
Misc Info : 180-14634-G-4
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6092812d.b\T8260bllw.m
Meth Date : 28-Sep-2012 12:38 fergusond Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 62
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-634.sub
Target Version: 4.14
Processing Host: PITPC-530

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 46 Fluorobenzene (IS)	96	7.308	7.305	(1.000)	542225	50.0000	
* 69 Chlorobenzene-d5	119	10.399	10.402	(1.000)	121810	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.729	12.726	(1.000)	172374	50.0000	(Q)
$ 39 Dibromofluoromethane (Surr)	113	6.560	6.563	(0.898)	107609	49.2243	49.22
$ 43 1,2-Dichloroethane-d4	65	6.937	6.934	(0.949)	139762	57.3658	57.36
$ 59 Toluene-d8	98	8.963	8.960	(0.862)	487891	44.1997	44.20
$ 80 Bromofluorobenzene (Surr)	95	11.573	11.570	(1.113)	160877	45.6334	45.63
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	1.900	1.897	(0.260)	13931	4.19666	4.197
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
10 1,1,2-trichloro-1,2,2-trifluor	101	Compound Not Detected.					
12 1,1-Dichloroethene	96	Compound Not Detected.					
15 Carbon Disulfide	76	3.689	3.680	(0.505)	19519	2.89076	2.891
13 Acetone	43	Compound Not Detected.					
18 Methylene Chloride	84	Compound Not Detected.					
19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
20 Methyl tert-butyl ether	73	Compound Not Detected.					
24 1,1-Dichloroethane	63	Compound Not Detected.					
27 2,2-Dichloropropane	77	Compound Not Detected.					
28 cis-1,2-dichloroethene	96	5.964	5.967	(0.816)	8080	2.50191	2.502
M 29 1,2-Dichloroethene (total)	96				8080	2.50191	2.502
30 Bromochloromethane	128	Compound Not Detected.					
31 2-Butanone	43	Compound Not Detected.					
37 Chloroform	83	Compound Not Detected.					
38 1,1,1-Trichloroethane	97	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
	40 1,1-Dichloropropene	75	Compound Not Detected.					
	41 Carbon Tetrachloride	117	Compound Not Detected.					
	42 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	47 Trichloroethene	130	Compound Not Detected.					
	49 1,2-Dichloropropane	63	Compound Not Detected.					
	50 Dibromomethane	93	Compound Not Detected.					
	53 Bromodichloromethane	83	Compound Not Detected.					
	57 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	58 4-Methyl-2-Pentanone	43	Compound Not Detected.					
	60 Toluene	91	Compound Not Detected.					
	61 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	63 1,3-Dichloropropane	76	Compound Not Detected.					
	64 1,1,2-Trichloroethane	97	Compound Not Detected.					
	65 Tetrachloroethene	164	Compound Not Detected.					
	66 2-Hexanone	43	Compound Not Detected.					
	67 Dibromochloromethane	129	Compound Not Detected.					
	68 1,2-Dibromoethane	107	Compound Not Detected.					
	70 Chlorobenzene	112	10.429	10.432	(1.003)	22829	2.92678	2.927
	71 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	72 Ethylbenzene	106	Compound Not Detected.					
	73 m + p-Xylene	106	Compound Not Detected.					
	74 Xylene-o	106	Compound Not Detected.					
M	75 Xylenes (total)	106	Compound Not Detected.					
	76 Styrene	104	Compound Not Detected.					
	77 Bromoform	173	Compound Not Detected.					
	78 Isopropylbenzene	105	Compound Not Detected.					
	83 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	88 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	91 1,3-Dichlorobenzene	146	Compound Not Detected.					
	93 1,4-Dichlorobenzene	146	Compound Not Detected.					
	95 1,2-Dichlorobenzene	146	Compound Not Detected.					
	96 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
	97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	156 Methyl Acetate	43	Compound Not Detected.					
	157 Cyclohexane	56	Compound Not Detected.					
	158 Methyl Cyclohexane	83	Compound Not Detected.					
	52 1,4-Dioxane	88	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6092812d.b\60928012.D
Lab Smp Id: 180-14634-G-4 Client Smp ID: MW-109
Inj Date : 28-SEP-2012 14:27
Operator : 001562 Inst ID: hp6.i
Smp Info : 180-14634-G-4
Misc Info : 180-14634-G-4
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6092812d.b\T8260bllw.m
Meth Date : 28-Sep-2012 12:38 fergusond Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 62
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-634.sub
Target Version: 4.14
Processing Host: PITPC-530

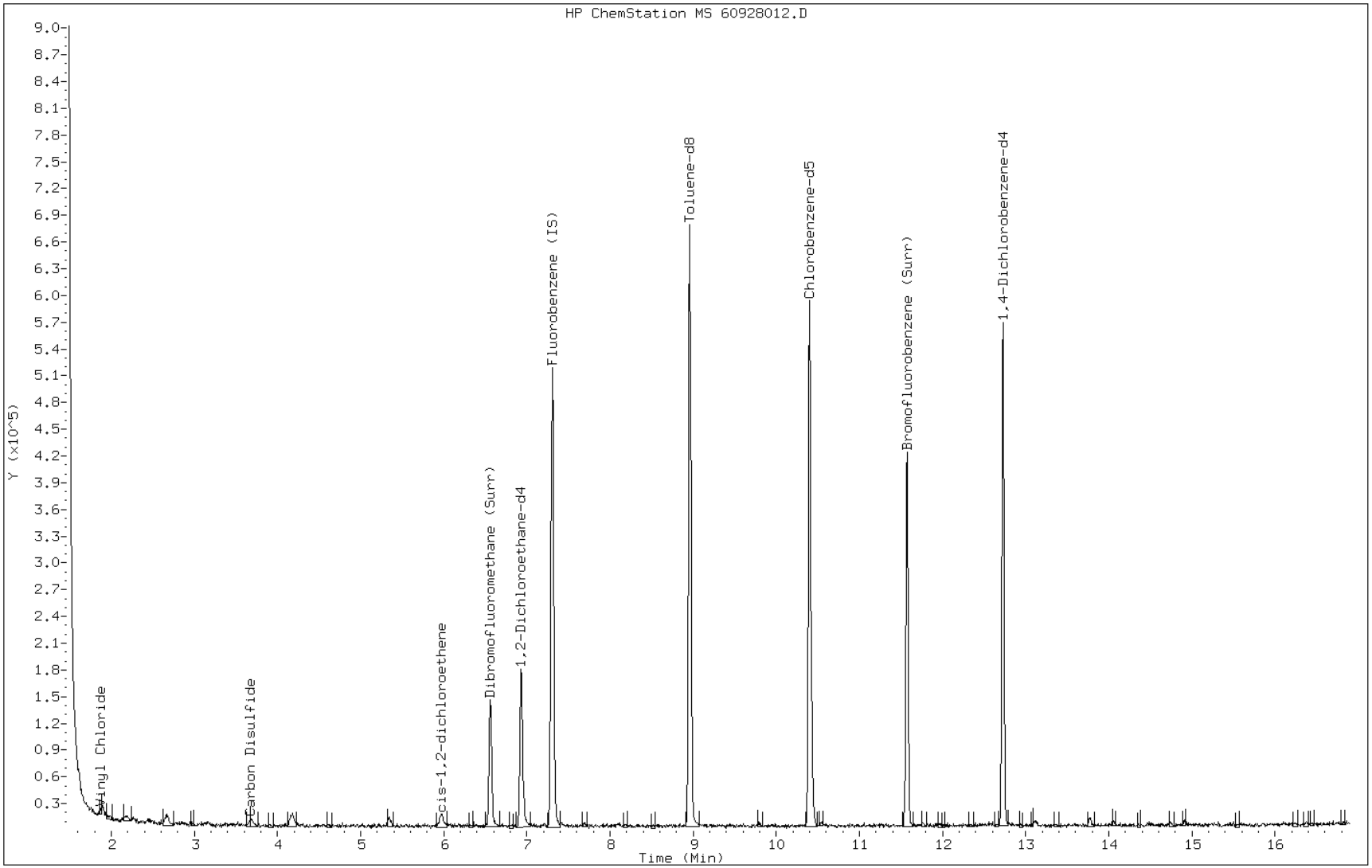
- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: 60928012.D

Date: 28-SEP-2012 14:27

Client ID: MW-109 Instrument: hp6.i

Sample Info: 180-14634-G-4 Operator: 001562



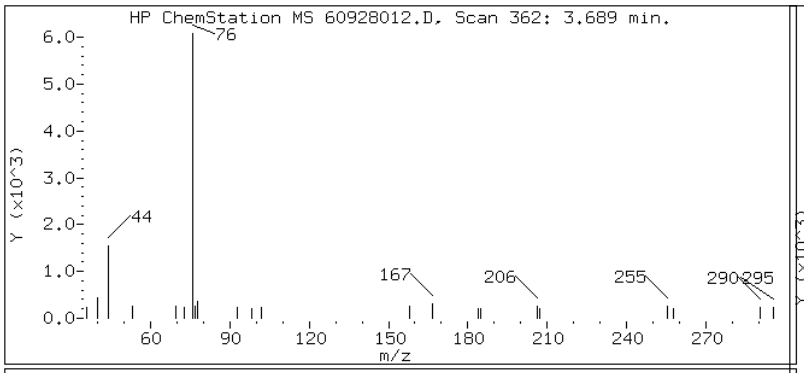
Data File: 60928012.D

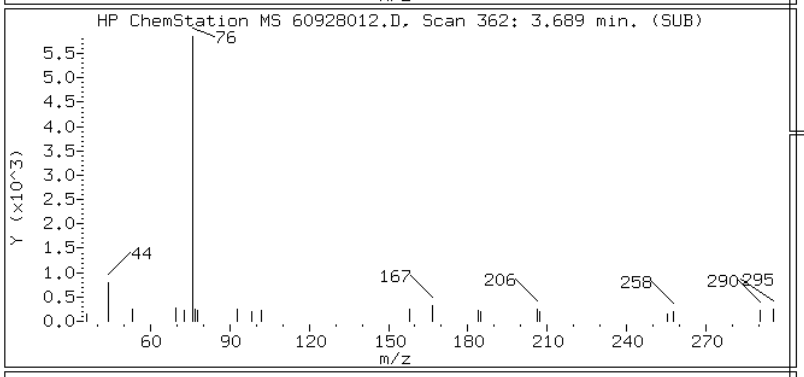
Date: 28-SEP-2012 14:27

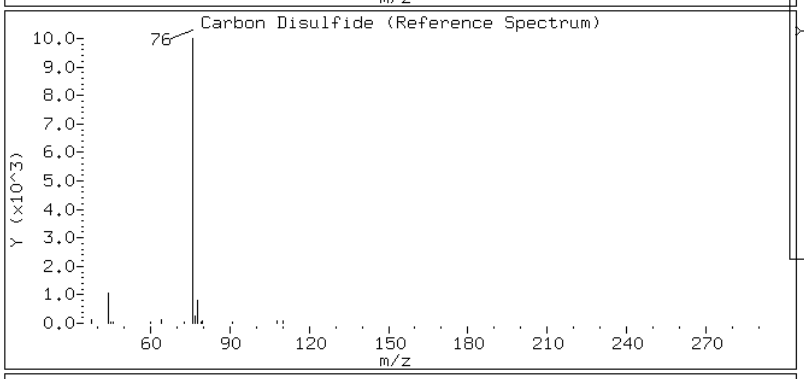
Client ID: MW-109 Instrument: hp6.i

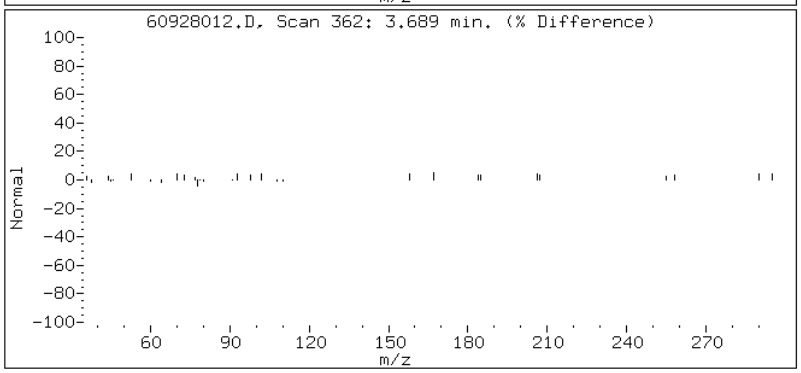
Sample Info: 180-14634-G-4 Operator: 001562

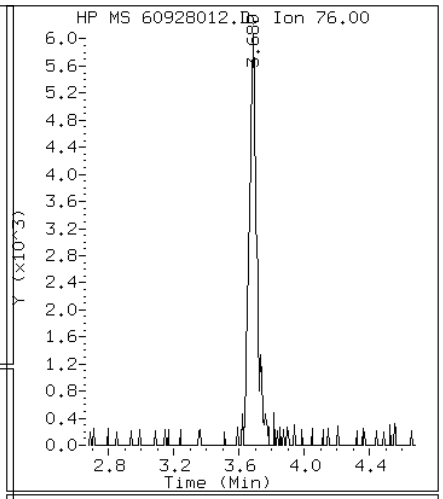
15 Carbon Disulfide

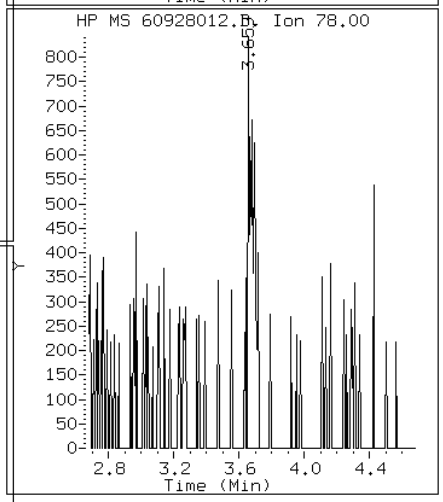












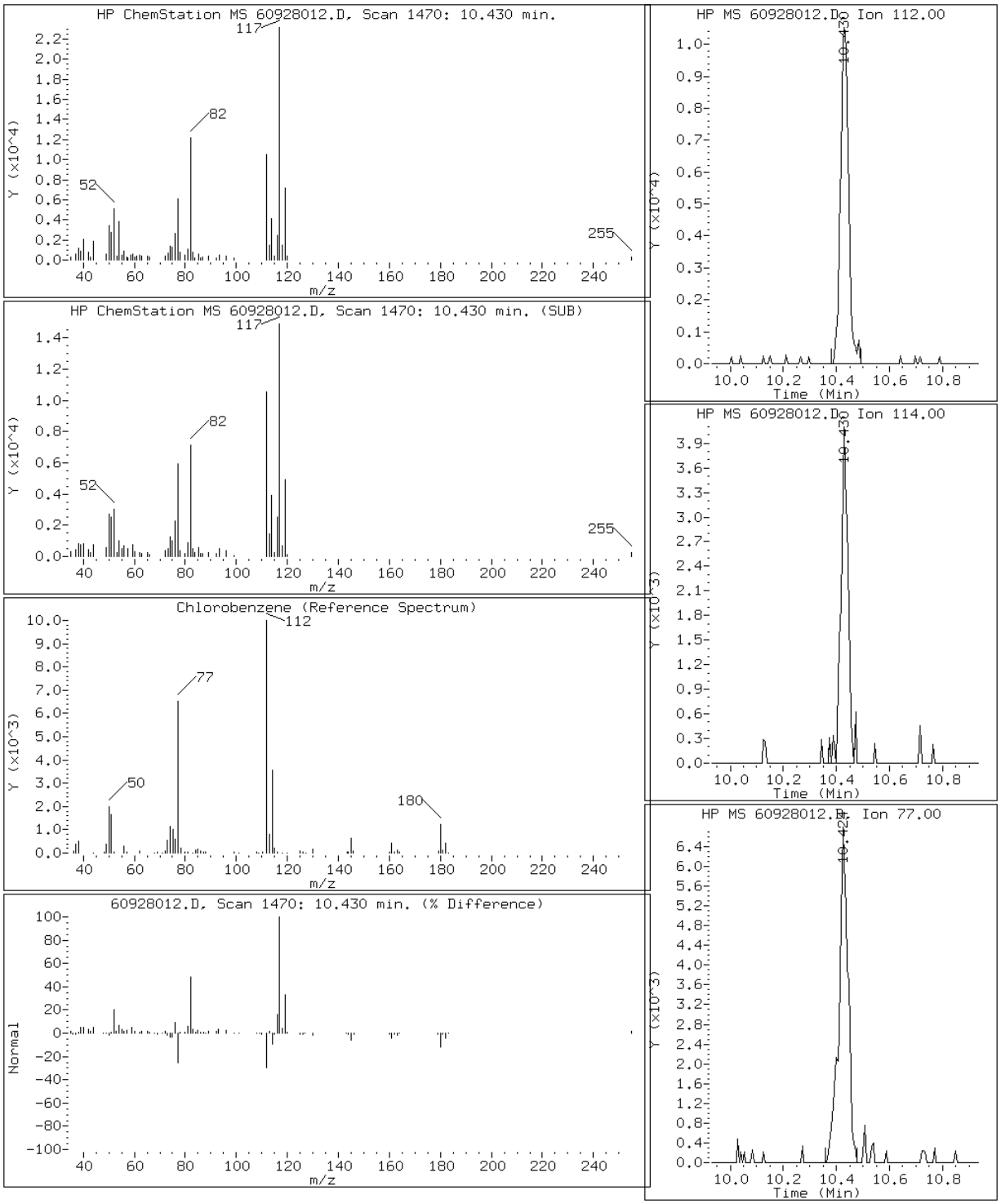
Data File: 60928012.D

Date: 28-SEP-2012 14:27

Client ID: MW-109 Instrument: hp6.i

Sample Info: 180-14634-G-4 Operator: 001562

70 Chlorobenzene



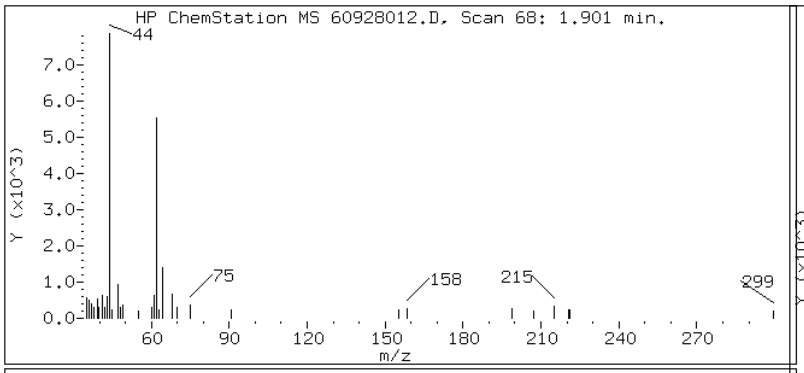
Data File: 60928012.D

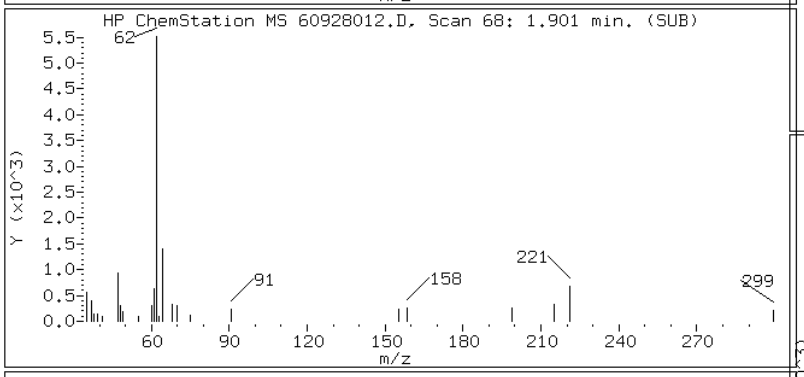
Date: 28-SEP-2012 14:27

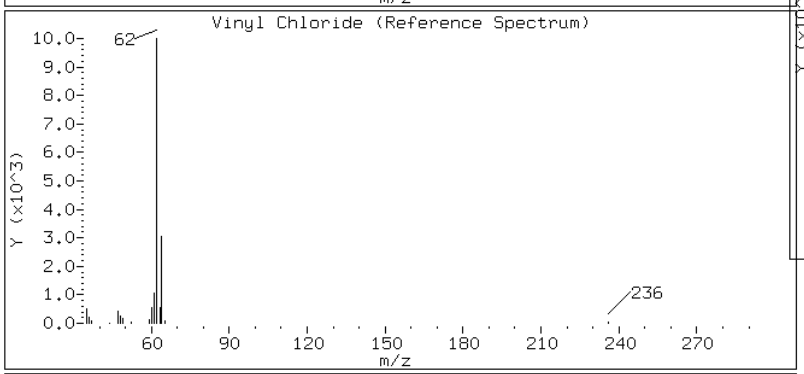
Client ID: MW-109 Instrument: hp6.i

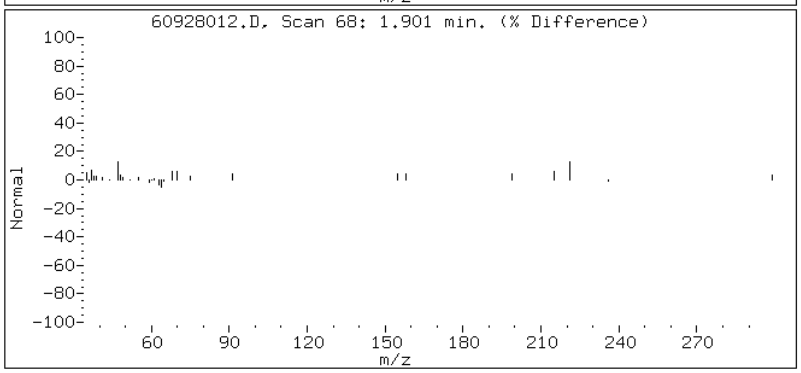
Sample Info: 180-14634-G-4 Operator: 001562

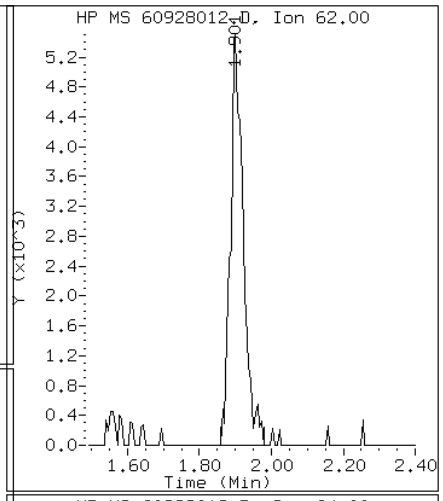
3 Vinyl Chloride

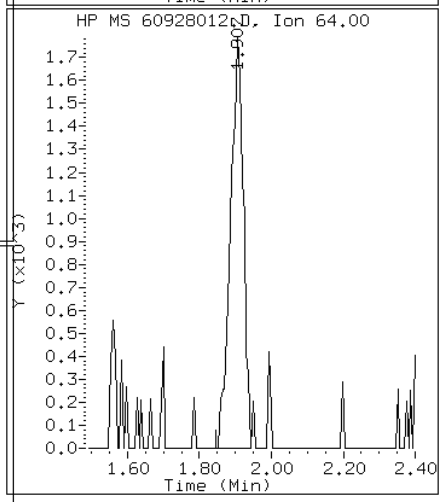












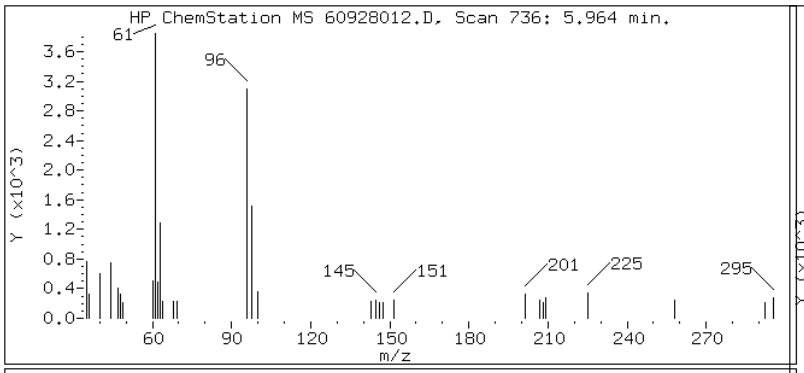
Data File: 60928012.D

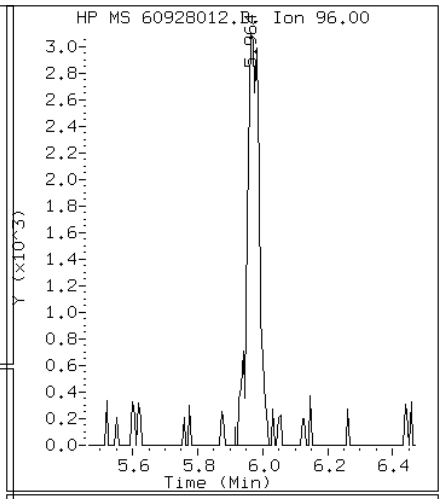
Date: 28-SEP-2012 14:27

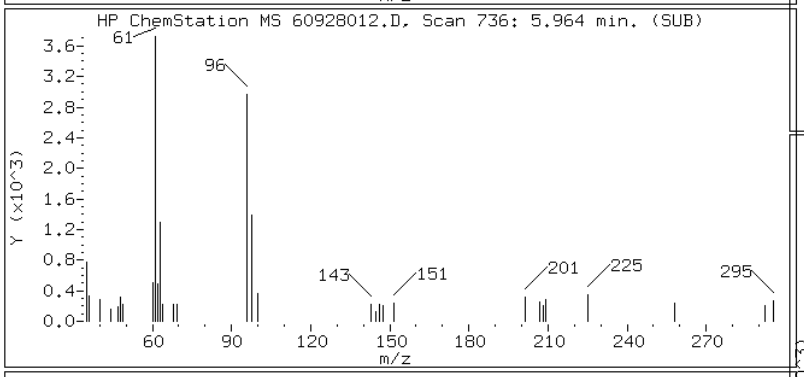
Client ID: MW-109 Instrument: hp6.i

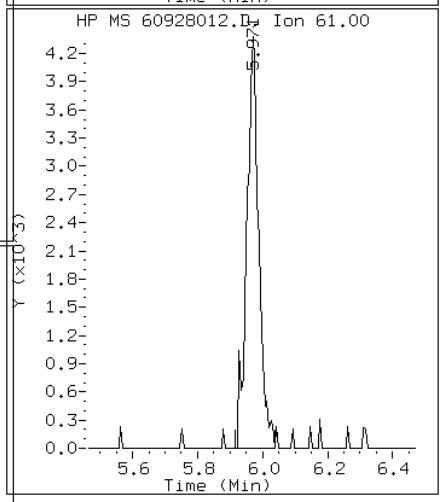
Sample Info: 180-14634-G-4 Operator: 001562

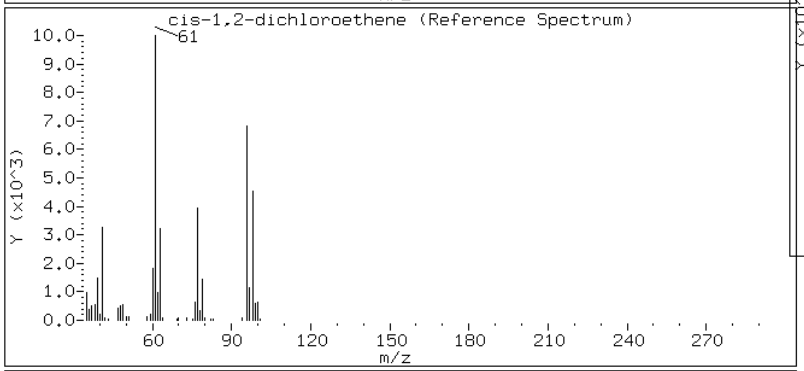
28 cis-1,2-dichloroethene

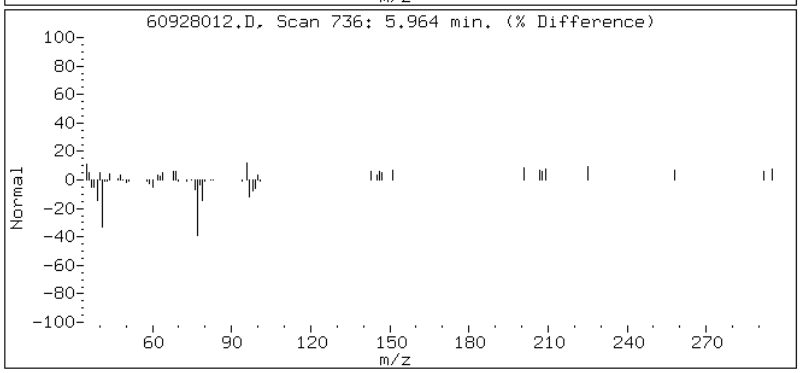












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-114 | Lab Sample ID: 180-14634-5

Matrix: Water | Lab File ID: 60928014.D

Analysis Method: 8260B | Date Collected: 09/19/2012 12:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2012 15:15

Soil Aliquot Vol: | Dilution Factor: 150

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 50119 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	ND		750	380
71-43-2	Benzene	110	J	150	16
75-27-4	Bromodichloromethane	ND		150	20
75-25-2	Bromoform	ND		150	29
74-83-9	Bromomethane	ND		150	47
78-93-3	2-Butanone (MEK)	ND		750	82
75-15-0	Carbon disulfide	74	J B	150	32
56-23-5	Carbon tetrachloride	ND		150	20
108-90-7	Chlorobenzene	3600		150	20
75-00-3	Chloroethane	ND		150	32
67-66-3	Chloroform	ND		150	26
124-48-1	Dibromochloromethane	ND		150	20
96-12-8	1,2-Dibromo-3-Chloropropane	ND		150	21
106-93-4	1,2-Dibromoethane (EDB)	ND		150	27
75-34-3	1,1-Dichloroethane	ND		150	17
107-06-2	1,2-Dichloroethane	ND		150	32
75-35-4	1,1-Dichloroethene	ND		150	44
156-60-5	trans-1,2-Dichloroethene	ND		150	25
78-87-5	1,2-Dichloropropane	ND		150	14
10061-01-5	cis-1,3-Dichloropropene	ND		150	28
10061-02-6	trans-1,3-Dichloropropene	ND		150	22
100-41-4	Ethylbenzene	460		150	34
591-78-6	2-Hexanone	ND		750	24
75-09-2	Methylene Chloride	ND		150	22
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		750	79
100-42-5	Styrene	ND		150	14
79-34-5	1,1,2,2-Tetrachloroethane	ND		150	30
127-18-4	Tetrachloroethene	ND		150	22
108-88-3	Toluene	78	J	150	23
71-55-6	1,1,1-Trichloroethane	ND		150	43
79-00-5	1,1,2-Trichloroethane	ND		150	30
79-01-6	Trichloroethene	ND		150	21
75-69-4	Trichlorofluoromethane	ND		150	30
75-01-4	Vinyl chloride	ND		150	34
1330-20-7	Xylenes, Total	ND		450	73
110-82-7	Cyclohexane	ND		150	38

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-114 | Lab Sample ID: 180-14634-5

Matrix: Water | Lab File ID: 60928014.D

Analysis Method: 8260B | Date Collected: 09/19/2012 12:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2012 15:15

Soil Aliquot Vol: | Dilution Factor: 150

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 50119 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	ND		150	36
75-71-8	Dichlorodifluoromethane	ND		150	29
98-82-8	Isopropylbenzene	ND		150	25
79-20-9	Methyl acetate	ND		150	21
108-87-2	Methylcyclohexane	ND		150	39
1634-04-4	Methyl tert-butyl ether	ND		150	27
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		150	48
95-50-1	1,2-Dichlorobenzene	480		150	23
541-73-1	1,3-Dichlorobenzene	ND		150	16
106-46-7	1,4-Dichlorobenzene	150		150	31
120-82-1	1,2,4-Trichlorobenzene	ND		150	41
74-87-3	Chloromethane	ND		150	42
123-91-1	1,4-Dioxane	ND		30000	5100

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		64-135
2037-26-5	Toluene-d8 (Surr)	90		71-118
460-00-4	4-Bromofluorobenzene (Surr)	93		70-118
1868-53-7	Dibromofluoromethane (Surr)	96		70-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-114 Lab Sample ID: 180-14634-5

Matrix: Water Lab File ID: 60928014.D

Analysis Method: 8260B Date Collected: 09/19/2012 12:00

Sample wt/vol: 5(mL) Date Analyzed: 09/28/2012 15:15

Soil Aliquot Vol: Dilution Factor: 150

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 50119 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

FORM I-TIC 8260B

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6092812d.b\60928014.D
Lab Smp Id: 180-14634-F-5 Client Smp ID: MW-114
Inj Date : 28-SEP-2012 15:15
Operator : 001562 Inst ID: hp6.i
Smp Info : 180-14634-F-5, 150x
Misc Info : 180-14634-F-5
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6092812d.b\T8260bllw.m
Meth Date : 28-Sep-2012 12:38 fergusond Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 64
Dil Factor: 150.00000
Integrator: HP RTE Compound Sublist: 1-634.sub
Target Version: 4.14
Processing Host: PITPC-530

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 46 Fluorobenzene (IS)	96	7.309	7.305	(1.000)	531984	50.0000	
* 69 Chlorobenzene-d5	119	10.406	10.402	(1.000)	118473	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.730	12.726	(1.000)	170910	50.0000	
$ 39 Dibromofluoromethane (Surr)	113	6.561	6.563	(0.898)	102631	47.8510	47.85
$ 43 1,2-Dichloroethane-d4	65	6.932	6.934	(0.948)	140171	58.6413	58.64
$ 59 Toluene-d8	98	8.958	8.960	(0.861)	482893	44.9791	44.98
$ 80 Bromofluorobenzene (Surr)	95	11.568	11.570	(1.112)	159328	46.4670	46.47
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
10 1,1,2-trichloro-1,2,2-trifluor	101	Compound Not Detected.					
12 1,1-Dichloroethene	96	Compound Not Detected.					
15 Carbon Disulfide	76	3.683	3.680	(0.504)	16269	2.45582	368.4
13 Acetone	43	Compound Not Detected.					
18 Methylene Chloride	84	Compound Not Detected.					
19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
20 Methyl tert-butyl ether	73	Compound Not Detected.					
24 1,1-Dichloroethane	63	Compound Not Detected.					
27 2,2-Dichloropropane	77	Compound Not Detected.					
28 cis-1,2-dichloroethene	96	Compound Not Detected.					
M 29 1,2-Dichloroethene (total)	96	Compound Not Detected.					
30 Bromochloromethane	128	Compound Not Detected.					
31 2-Butanone	43	Compound Not Detected.					
37 Chloroform	83	Compound Not Detected.					
38 1,1,1-Trichloroethane	97	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
40 1,1-Dichloropropene	75	Compound Not Detected.					
41 Carbon Tetrachloride	117	Compound Not Detected.					
42 Benzene	78	6.987	6.989	(0.956)	43726	3.64762	547.1
45 1,2-Dichloroethane	62	Compound Not Detected.					
47 Trichloroethene	130	Compound Not Detected.					
49 1,2-Dichloropropane	63	Compound Not Detected.					
50 Dibromomethane	93	Compound Not Detected.					
53 Bromodichloromethane	83	Compound Not Detected.					
57 cis-1,3-Dichloropropene	75	Compound Not Detected.					
58 4-Methyl-2-Pentanone	43	Compound Not Detected.					
60 Toluene	91	9.025	9.027	(0.867)	32440	2.58372	387.6
61 trans-1,3-Dichloropropene	75	Compound Not Detected.					
63 1,3-Dichloropropane	76	Compound Not Detected.					
64 1,1,2-Trichloroethane	97	Compound Not Detected.					
65 Tetrachloroethene	164	Compound Not Detected.					
66 2-Hexanone	43	Compound Not Detected.					
67 Dibromochloromethane	129	Compound Not Detected.					
68 1,2-Dibromoethane	107	Compound Not Detected.					
70 Chlorobenzene	112	10.430	10.432	(1.002)	922764	121.635	18240
71 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
72 Ethylbenzene	106	10.540	10.536	(1.013)	69063	15.2363	2285(Q)
73 m + p-Xylene	106	Compound Not Detected.					
74 Xylene-o	106	11.044	11.047	(1.061)	7554	1.40409	210.6
M 75 Xylenes (total)	106				7554	1.40409	210.6
76 Styrene	104	Compound Not Detected.					
77 Bromoform	173	Compound Not Detected.					
78 Isopropylbenzene	105	Compound Not Detected.					
83 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
88 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
91 1,3-Dichlorobenzene	146	Compound Not Detected.					
93 1,4-Dichlorobenzene	146	12.748	12.750	(1.001)	27971	4.89471	734.2
95 1,2-Dichlorobenzene	146	13.131	13.127	(1.032)	80122	16.0520	2408
96 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
156 Methyl Acetate	43	Compound Not Detected.					
157 Cyclohexane	56	Compound Not Detected.					
158 Methyl Cyclohexane	83	Compound Not Detected.					
52 1,4-Dioxane	88	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6092812d.b\60928014.D
Lab Smp Id: 180-14634-F-5 Client Smp ID: MW-114
Inj Date : 28-SEP-2012 15:15
Operator : 001562 Inst ID: hp6.i
Smp Info : 180-14634-F-5, 150x
Misc Info : 180-14634-F-5
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6092812d.b\T8260bllw.m
Meth Date : 28-Sep-2012 12:38 fergusond Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 64
Dil Factor: 150.00000
Integrator: HP RTE Compound Sublist: 1-634.sub
Target Version: 4.14
Processing Host: PITPC-530

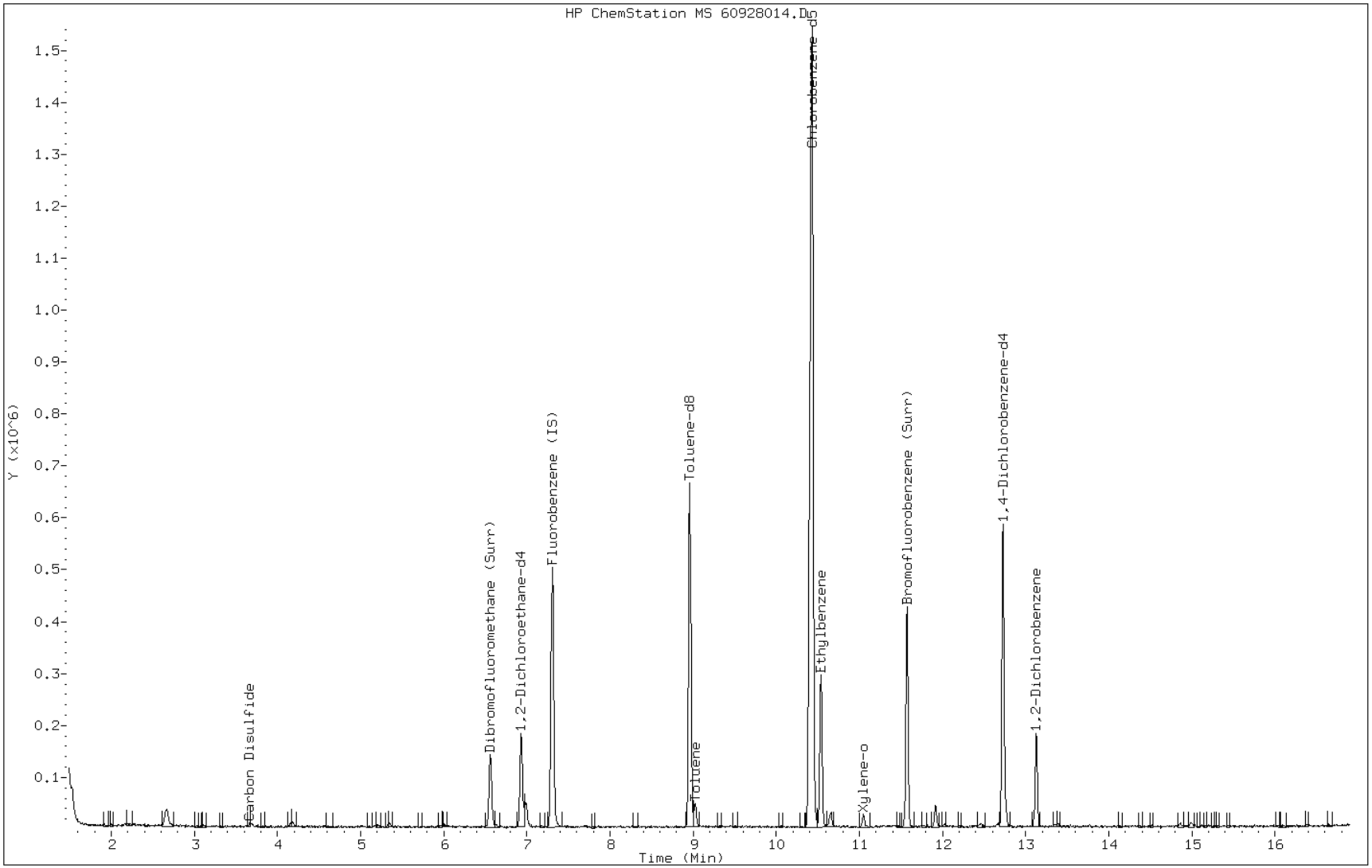
- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: 60928014.D

Date: 28-SEP-2012 15:15

Client ID: MW-114 Instrument: hp6.i

Sample Info: 180-14634-F-5, 150x Operator: 001562



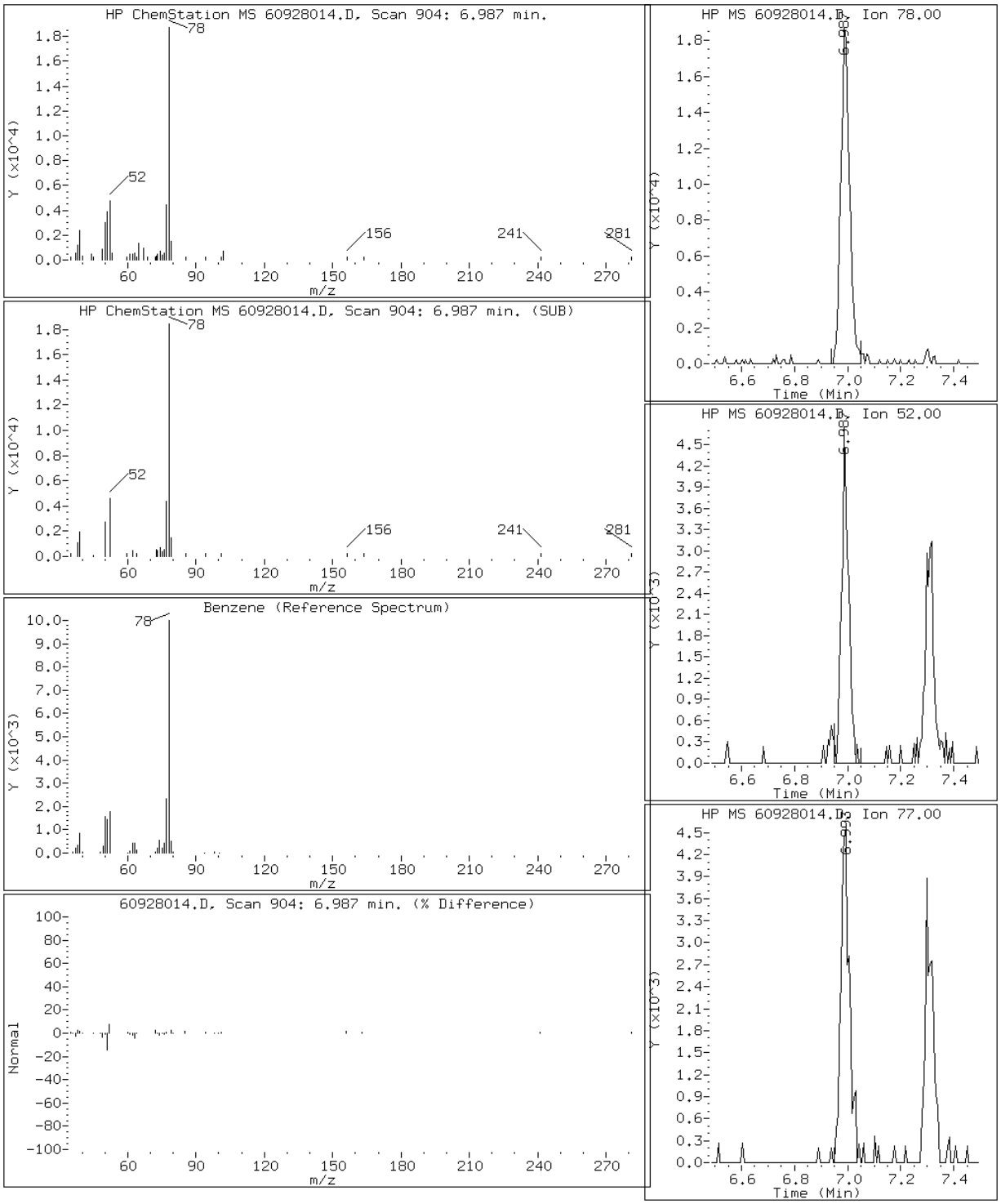
Data File: 60928014.D

Date: 28-SEP-2012 15:15

Client ID: MW-114 Instrument: hp6.i

Sample Info: 180-14634-F-5, 150x Operator: 001562

42 Benzene



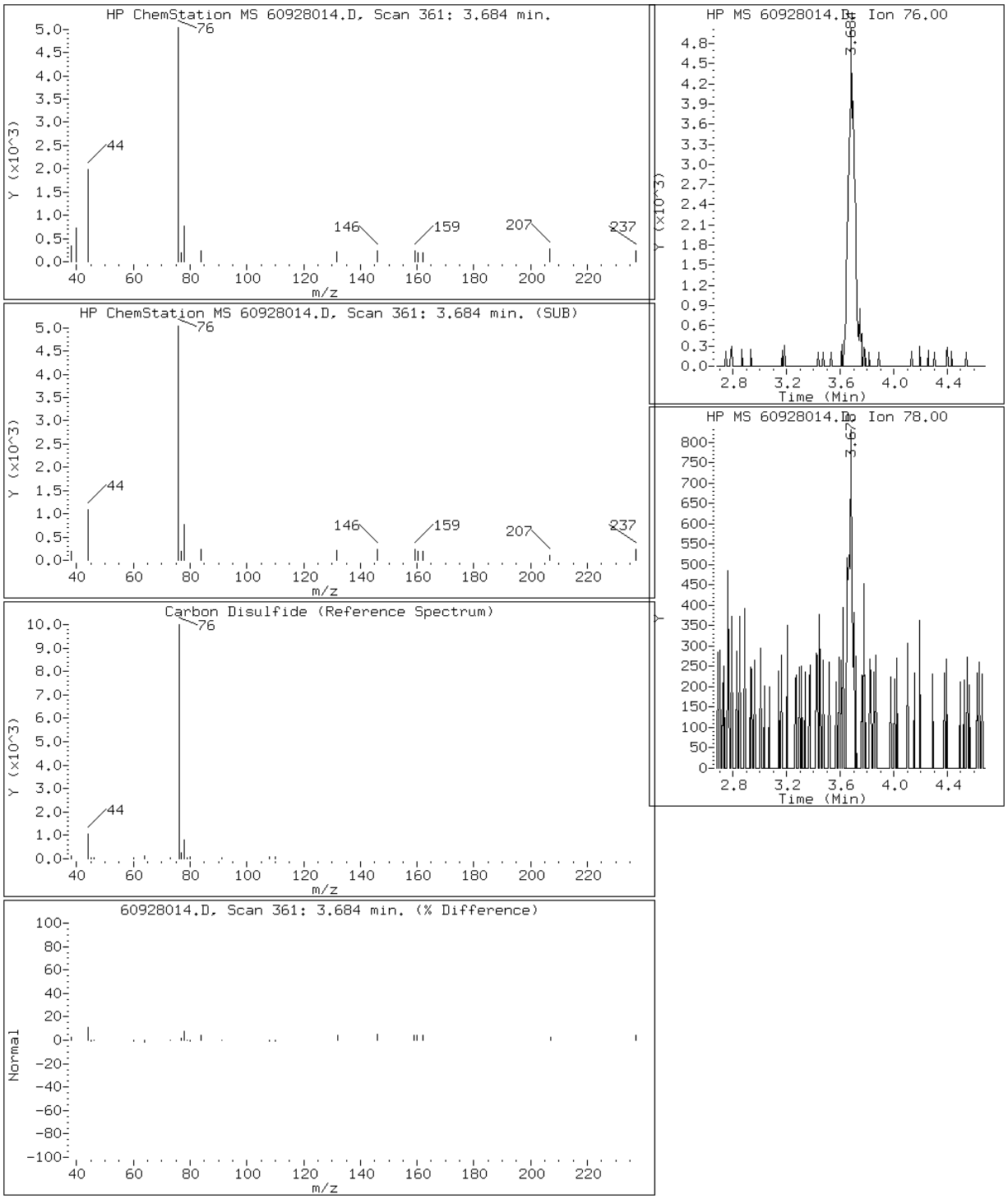
Data File: 60928014.D

Date: 28-SEP-2012 15:15

Client ID: MW-114 Instrument: hp6.i

Sample Info: 180-14634-F-5, 150x Operator: 001562

15 Carbon Disulfide



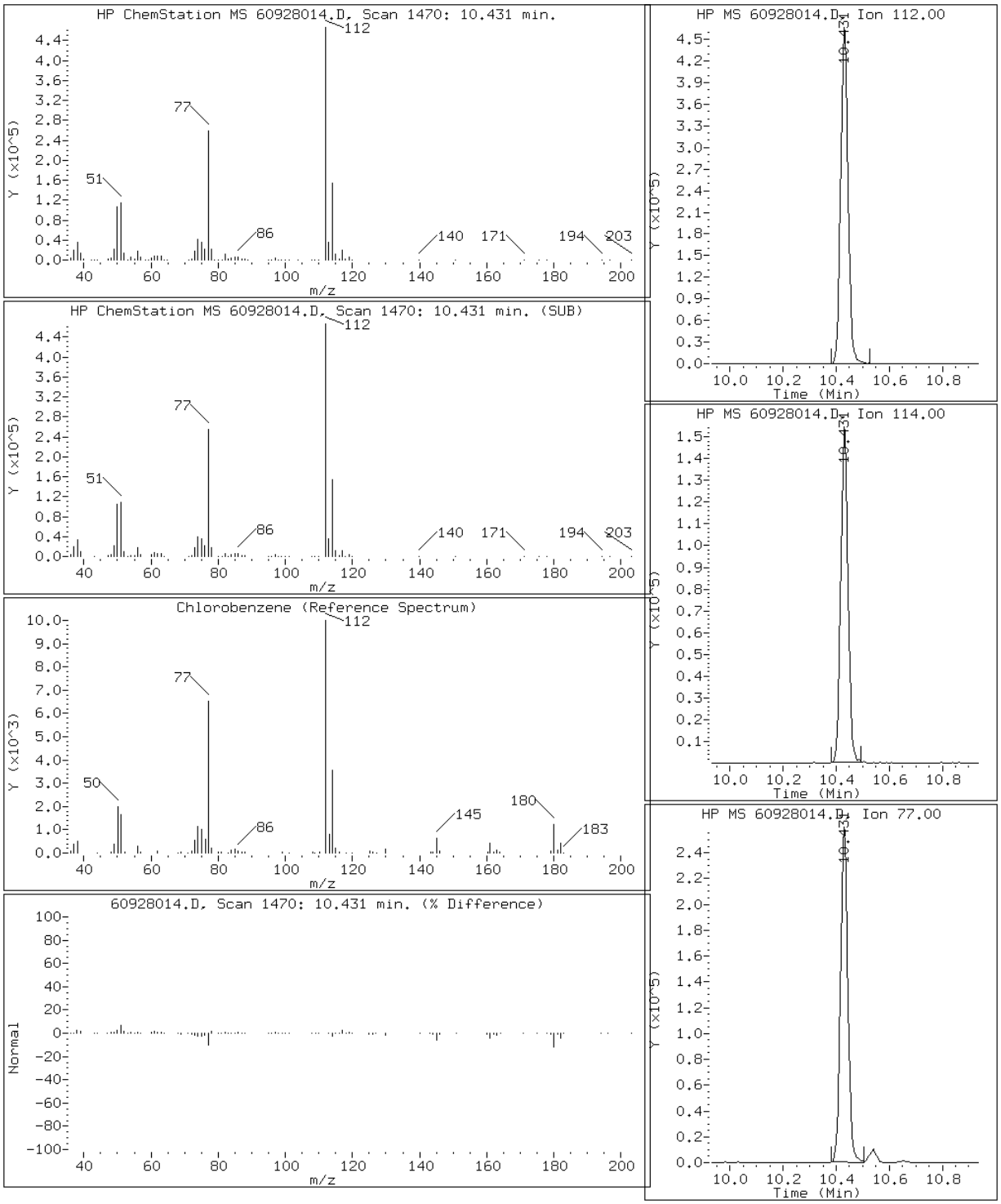
Data File: 60928014.D

Date: 28-SEP-2012 15:15

Client ID: MW-114 Instrument: hp6.i

Sample Info: 180-14634-F-5, 150x Operator: 001562

70 Chlorobenzene



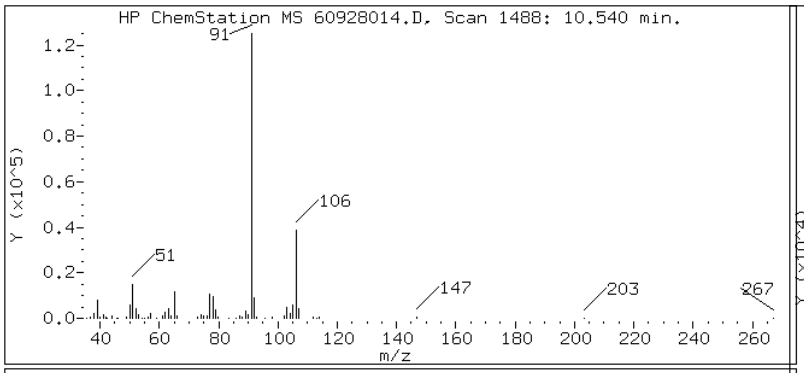
Data File: 60928014.D

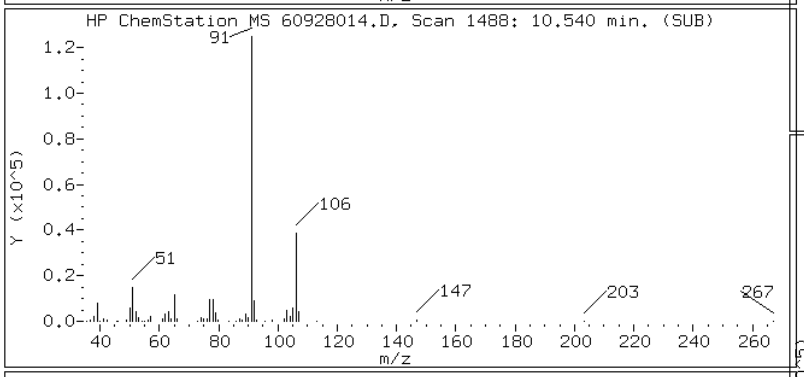
Date: 28-SEP-2012 15:15

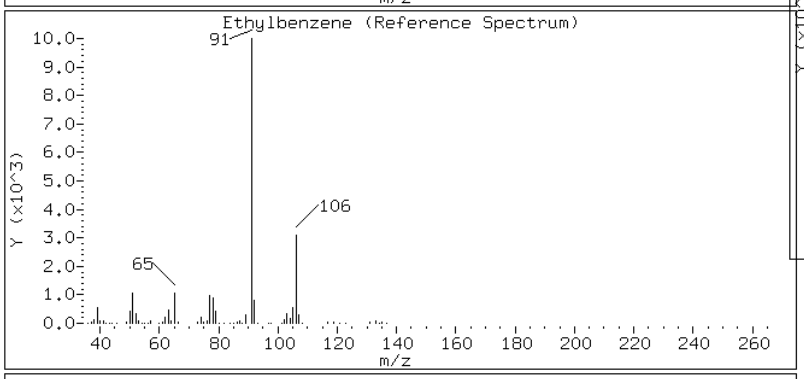
Client ID: MW-114 Instrument: hp6.i

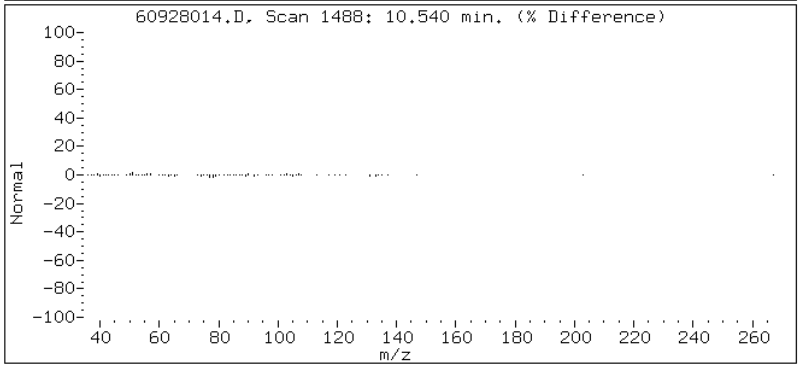
Sample Info: 180-14634-F-5, 150x Operator: 001562

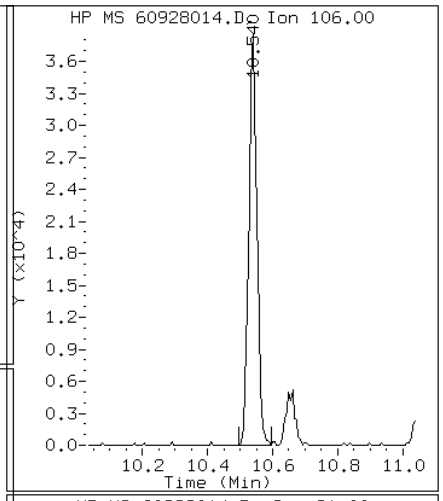
72 Ethylbenzene

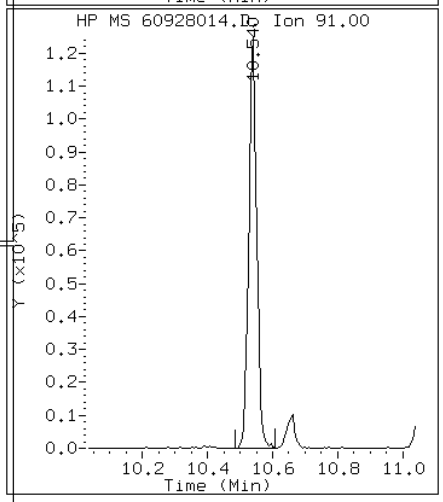












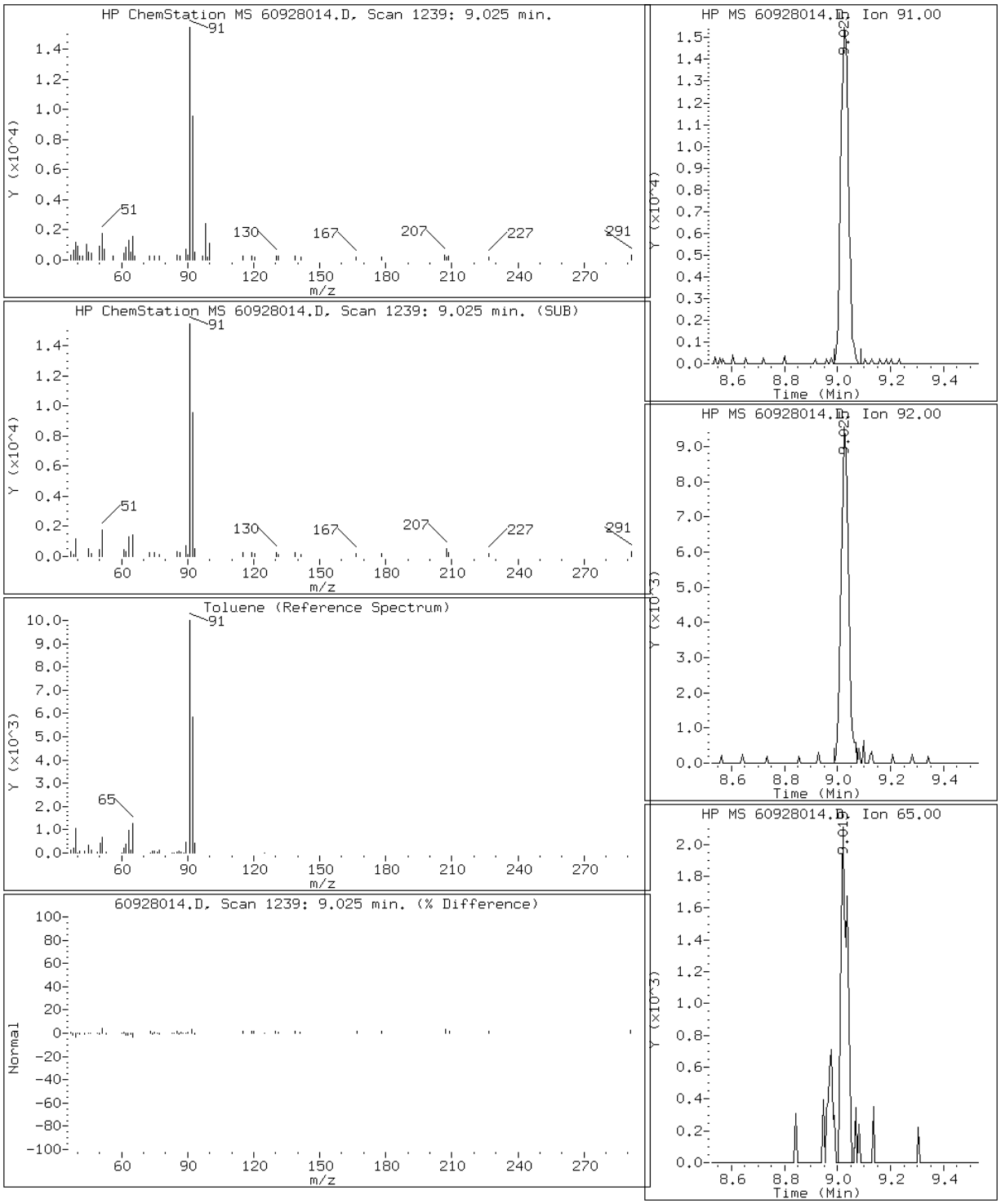
Data File: 60928014.D

Date: 28-SEP-2012 15:15

Client ID: MW-114 Instrument: hp6.i

Sample Info: 180-14634-F-5, 150x Operator: 001562

60 Toluene



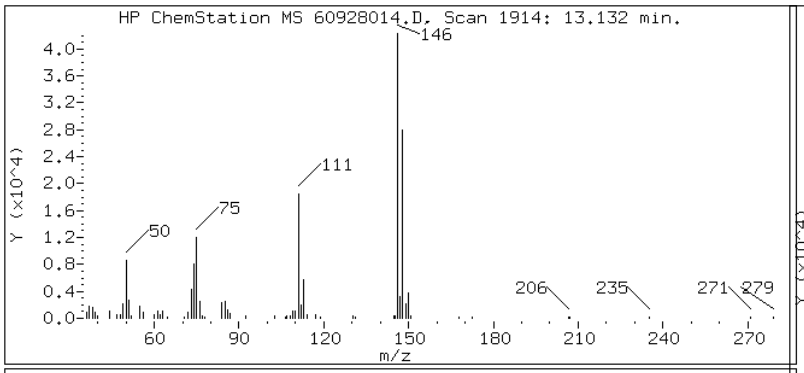
Data File: 60928014.D

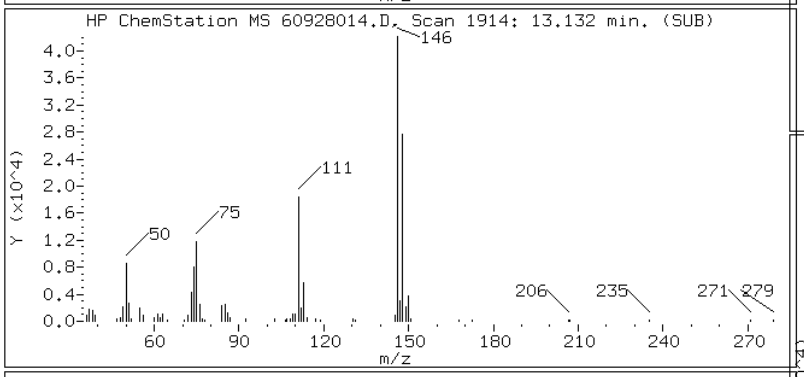
Date: 28-SEP-2012 15:15

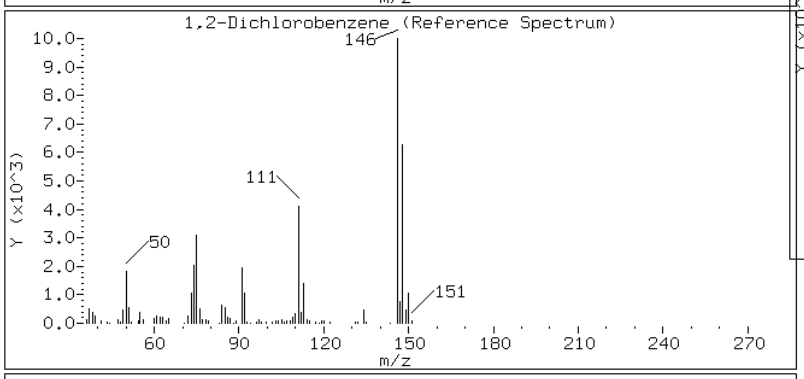
Client ID: MW-114 Instrument: hp6.i

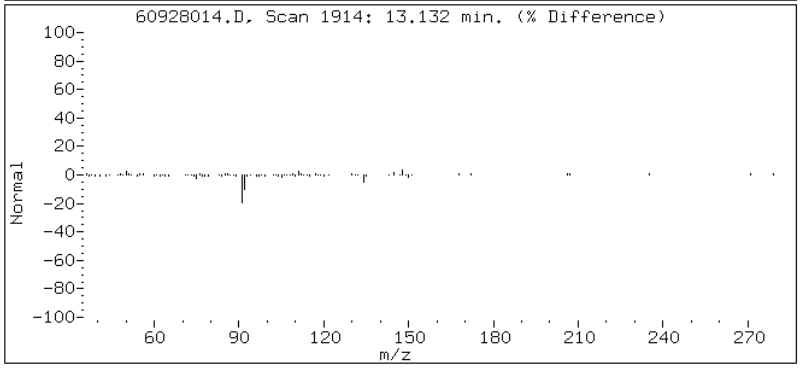
Sample Info: 180-14634-F-5, 150x Operator: 001562

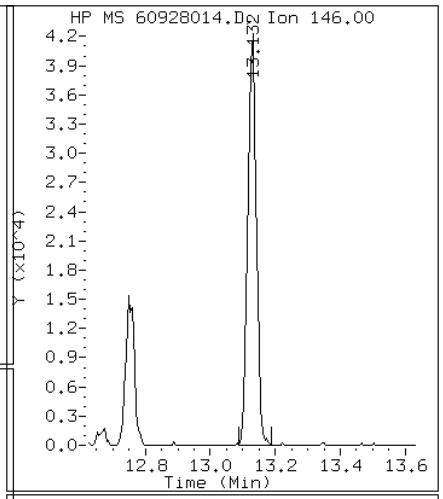
95 1,2-Dichlorobenzene

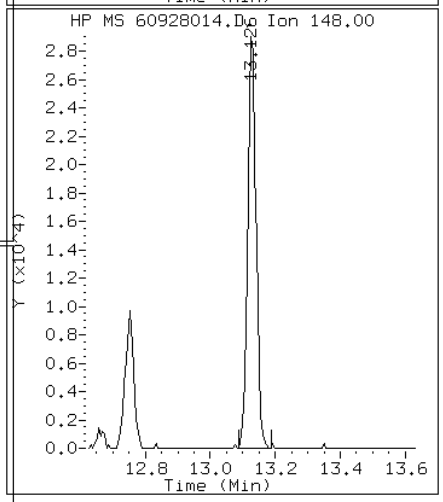












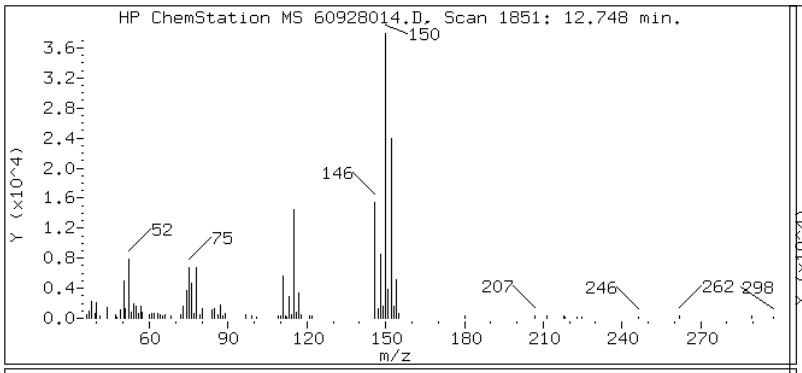
Data File: 60928014.D

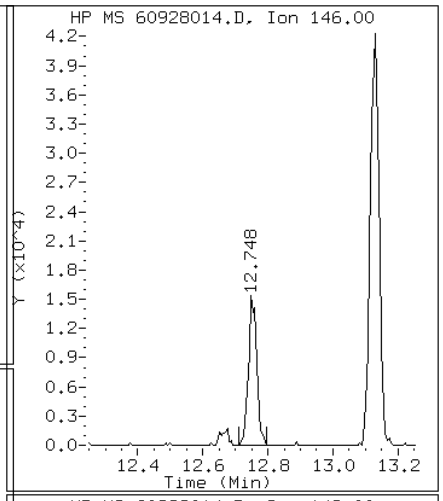
Date: 28-SEP-2012 15:15

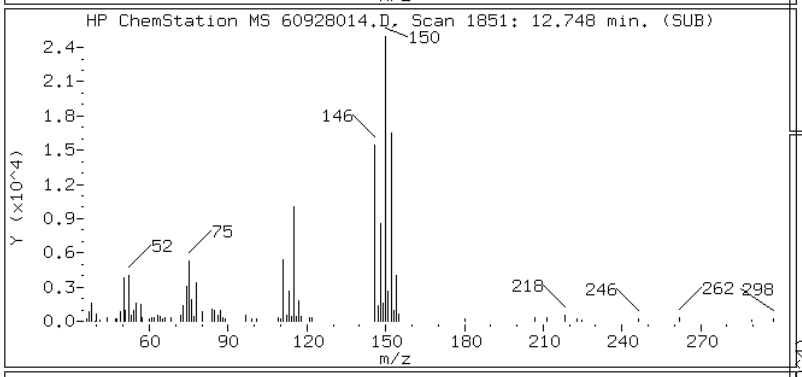
Client ID: MW-114 Instrument: hp6.i

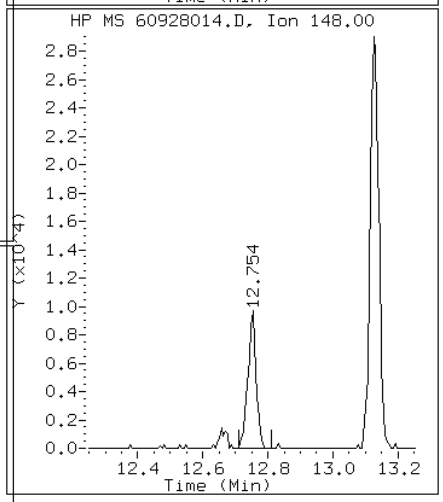
Sample Info: 180-14634-F-5, 150x Operator: 001562

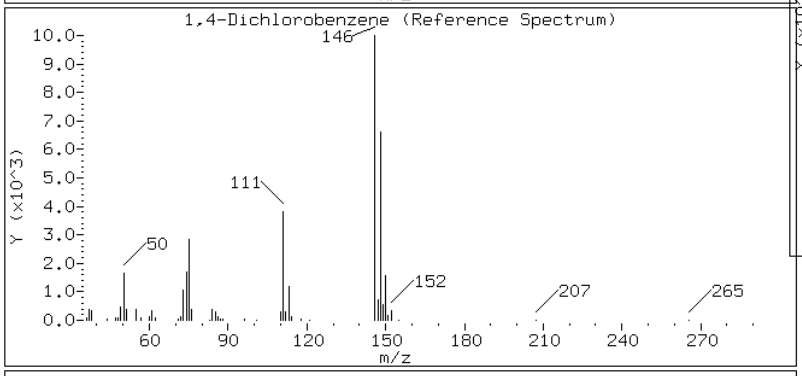
93 1,4-Dichlorobenzene

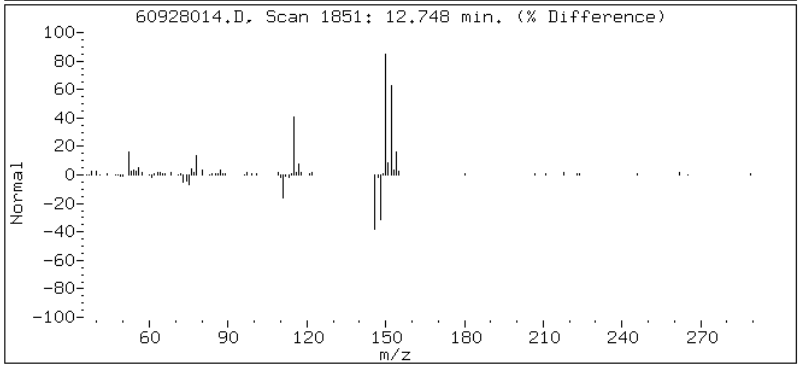












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-101 | Lab Sample ID: 180-14634-6

Matrix: Water | Lab File ID: 60928015.D

Analysis Method: 8260B | Date Collected: 09/19/2012 08:20

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2012 15:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 50119 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	ND		5.0	2.5
71-43-2	Benzene	ND		1.0	0.11
75-27-4	Bromodichloromethane	ND		1.0	0.13
75-25-2	Bromoform	ND		1.0	0.19
74-83-9	Bromomethane	ND		1.0	0.31
78-93-3	2-Butanone (MEK)	ND		5.0	0.55
75-15-0	Carbon disulfide	0.52	J B	1.0	0.21
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	ND		1.0	0.14
75-00-3	Chloroethane	ND		1.0	0.21
67-66-3	Chloroform	ND		1.0	0.17
124-48-1	Dibromochloromethane	ND		1.0	0.14
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.14
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.18
75-34-3	1,1-Dichloroethane	ND		1.0	0.12
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.17
78-87-5	1,2-Dichloropropane	ND		1.0	0.095
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.15
100-41-4	Ethylbenzene	ND		1.0	0.23
591-78-6	2-Hexanone	ND		5.0	0.16
75-09-2	Methylene Chloride	0.26	J	1.0	0.15
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53
100-42-5	Styrene	ND		1.0	0.097
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		1.0	0.15
108-88-3	Toluene	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.29
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.14
75-69-4	Trichlorofluoromethane	ND		1.0	0.20
75-01-4	Vinyl chloride	ND		1.0	0.23
1330-20-7	Xylenes, Total	ND		3.0	0.49
110-82-7	Cyclohexane	ND		1.0	0.25

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-101 | Lab Sample ID: 180-14634-6

Matrix: Water | Lab File ID: 60928015.D

Analysis Method: 8260B | Date Collected: 09/19/2012 08:20

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2012 15:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 50119 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.24
75-71-8	Dichlorodifluoromethane	ND		1.0	0.19
98-82-8	Isopropylbenzene	ND		1.0	0.16
79-20-9	Methyl acetate	ND		1.0	0.14
108-87-2	Methylcyclohexane	ND		1.0	0.26
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.18
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.15
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.11
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.21
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.27
74-87-3	Chloromethane	ND		1.0	0.28
123-91-1	1,4-Dioxane	ND		200	34

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		64-135
2037-26-5	Toluene-d8 (Surr)	90		71-118
460-00-4	4-Bromofluorobenzene (Surr)	92		70-118
1868-53-7	Dibromofluoromethane (Surr)	98		70-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-101 Lab Sample ID: 180-14634-6

Matrix: Water Lab File ID: 60928015.D

Analysis Method: 8260B Date Collected: 09/19/2012 08:20

Sample wt/vol: 5(mL) Date Analyzed: 09/28/2012 15:39

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 50119 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

FORM I-TIC 8260B

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6092812d.b\60928015.D
Lab Smp Id: 180-14634-E-6 Client Smp ID: MW-101
Inj Date : 28-SEP-2012 15:39
Operator : 001562 Inst ID: hp6.i
Smp Info : 180-14634-E-6
Misc Info : 180-14634-E-6
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6092812d.b\T8260bllw.m
Meth Date : 28-Sep-2012 12:38 fergusond Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 65
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-634.sub
Target Version: 4.14
Processing Host: PITPC-530

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 46 Fluorobenzene (IS)	96	7.303	7.305	(1.000)	533311	50.0000	
* 69 Chlorobenzene-d5	119	10.400	10.402	(1.000)	118968	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.730	12.726	(1.000)	168030	50.0000	(Q)
$ 39 Dibromofluoromethane (Surr)	113	6.561	6.563	(0.898)	105625	49.1244	49.12
$ 43 1,2-Dichloroethane-d4	65	6.932	6.934	(0.949)	139908	58.3856	58.38
$ 59 Toluene-d8	98	8.958	8.960	(0.861)	487830	45.2499	45.25
$ 80 Bromofluorobenzene (Surr)	95	11.574	11.570	(1.113)	158623	46.0689	46.07
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
10 1,1,2-trichloro-1,2,2-trifluor	101	Compound Not Detected.					
12 1,1-Dichloroethene	96	Compound Not Detected.					
15 Carbon Disulfide	76	3.684	3.680	(0.504)	17264	2.59953	2.600
13 Acetone	43	Compound Not Detected.					
18 Methylene Chloride	84	4.183	4.172	(0.573)	11280	1.31869	1.319
19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
20 Methyl tert-butyl ether	73	Compound Not Detected.					
24 1,1-Dichloroethane	63	Compound Not Detected.					
27 2,2-Dichloropropane	77	Compound Not Detected.					
28 cis-1,2-dichloroethene	96	Compound Not Detected.					
M 29 1,2-Dichloroethene (total)	96	Compound Not Detected.					
30 Bromochloromethane	128	Compound Not Detected.					
31 2-Butanone	43	Compound Not Detected.					
37 Chloroform	83	Compound Not Detected.					
38 1,1,1-Trichloroethane	97	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ng)
	40 1,1-Dichloropropene	75	Compound Not Detected.					
	41 Carbon Tetrachloride	117	Compound Not Detected.					
	42 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	47 Trichloroethene	130	Compound Not Detected.					
	49 1,2-Dichloropropane	63	Compound Not Detected.					
	50 Dibromomethane	93	Compound Not Detected.					
	53 Bromodichloromethane	83	Compound Not Detected.					
	57 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	58 4-Methyl-2-Pentanone	43	Compound Not Detected.					
	60 Toluene	91	Compound Not Detected.					
	61 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	63 1,3-Dichloropropane	76	Compound Not Detected.					
	64 1,1,2-Trichloroethane	97	Compound Not Detected.					
	65 Tetrachloroethene	164	Compound Not Detected.					
	66 2-Hexanone	43	Compound Not Detected.					
	67 Dibromochloromethane	129	Compound Not Detected.					
	68 1,2-Dibromoethane	107	Compound Not Detected.					
	70 Chlorobenzene	112	Compound Not Detected.					
	71 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	72 Ethylbenzene	106	Compound Not Detected.					
	73 m + p-Xylene	106	Compound Not Detected.					
	74 Xylene-o	106	Compound Not Detected.					
M	75 Xylenes (total)	106	Compound Not Detected.					
	76 Styrene	104	Compound Not Detected.					
	77 Bromoform	173	Compound Not Detected.					
	78 Isopropylbenzene	105	Compound Not Detected.					
	83 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	88 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	91 1,3-Dichlorobenzene	146	Compound Not Detected.					
	93 1,4-Dichlorobenzene	146	Compound Not Detected.					
	95 1,2-Dichlorobenzene	146	Compound Not Detected.					
	96 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
	97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	156 Methyl Acetate	43	Compound Not Detected.					
	157 Cyclohexane	56	Compound Not Detected.					
	158 Methyl Cyclohexane	83	Compound Not Detected.					
	52 1,4-Dioxane	88	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6092812d.b\60928015.D
Lab Smp Id: 180-14634-E-6 Client Smp ID: MW-101
Inj Date : 28-SEP-2012 15:39
Operator : 001562 Inst ID: hp6.i
Smp Info : 180-14634-E-6
Misc Info : 180-14634-E-6
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6092812d.b\T8260bllw.m
Meth Date : 28-Sep-2012 12:38 fergusond Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 65
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-634.sub
Target Version: 4.14
Processing Host: PITPC-530

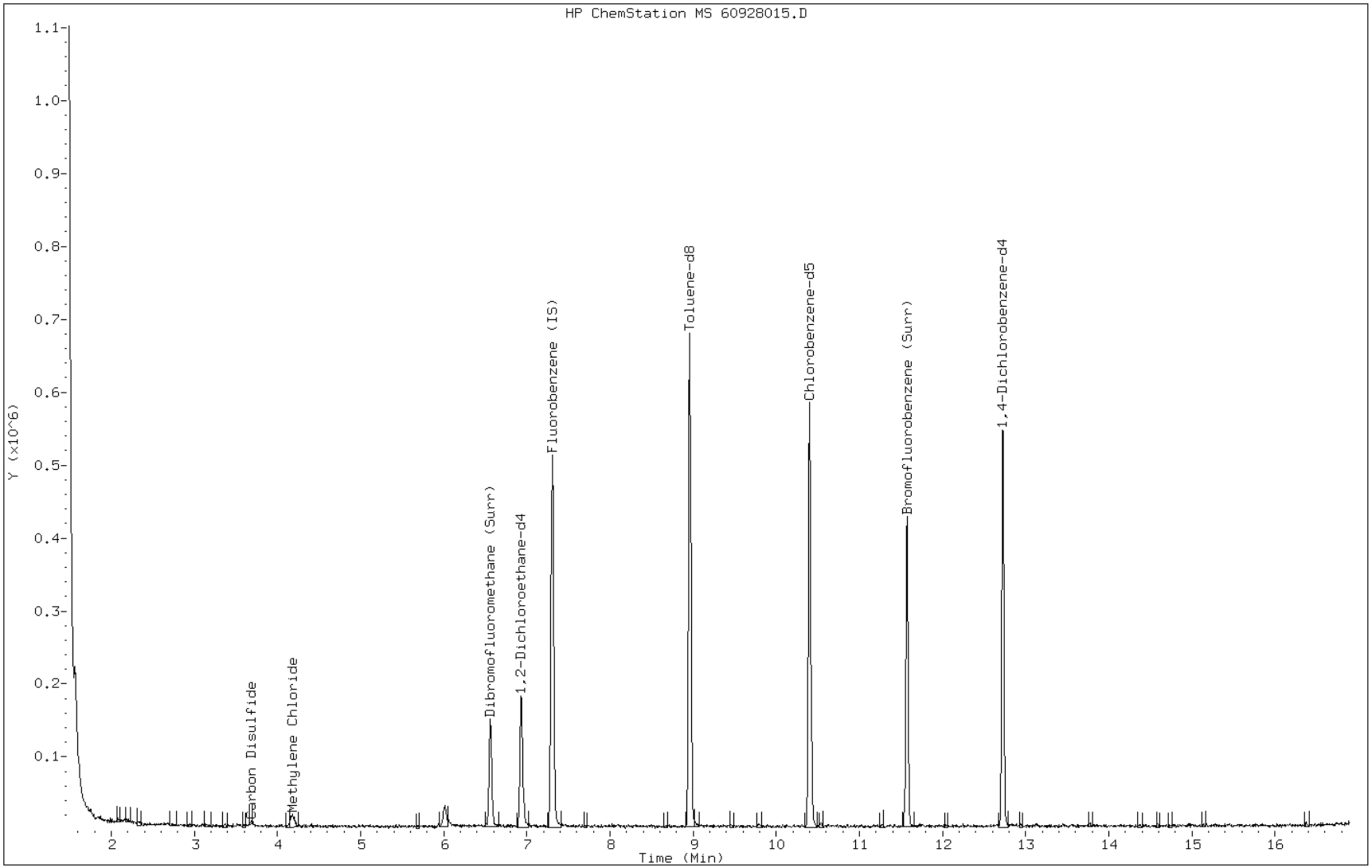
- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: 60928015.D

Date: 28-SEP-2012 15:39

Client ID: MW-101 Instrument: hp6.i

Sample Info: 180-14634-E-6 Operator: 001562



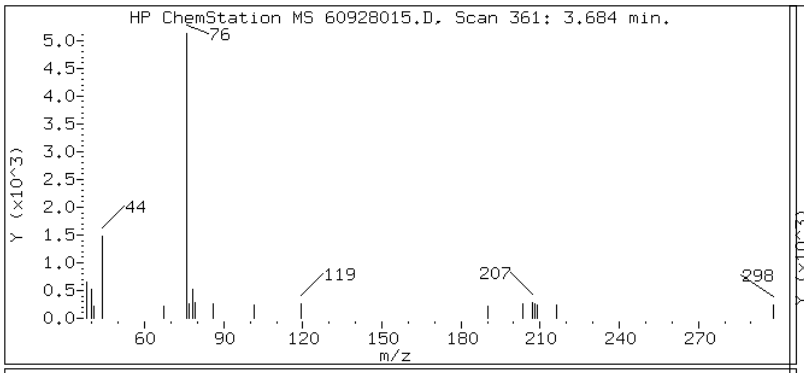
Data File: 60928015.D

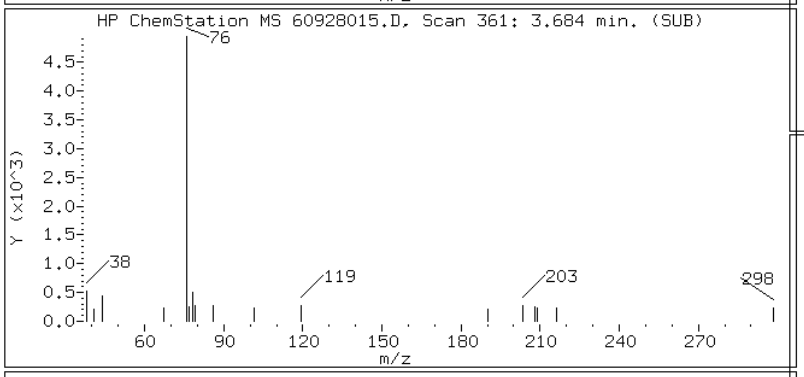
Date: 28-SEP-2012 15:39

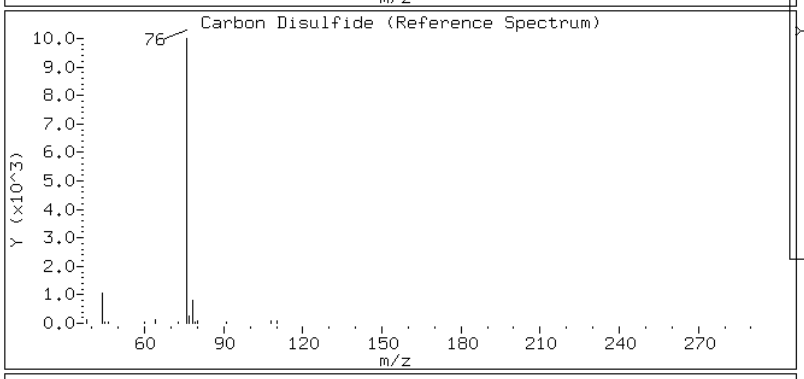
Client ID: MW-101 Instrument: hp6.i

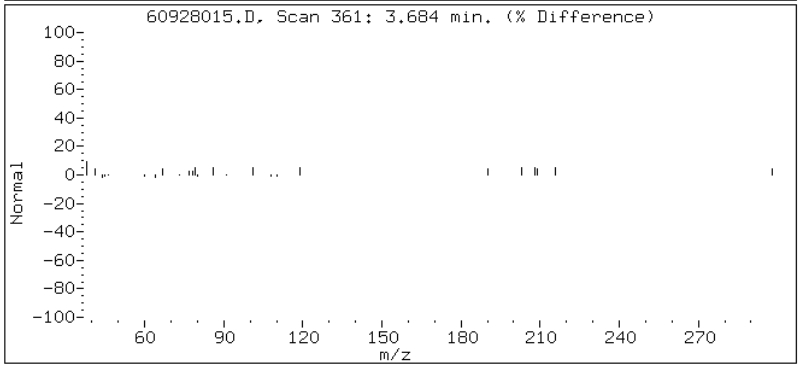
Sample Info: 180-14634-E-6 Operator: 001562

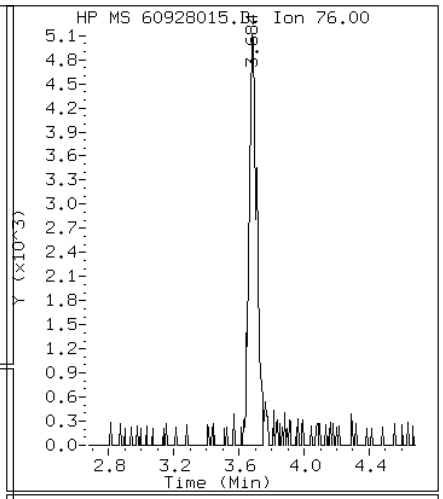
15 Carbon Disulfide

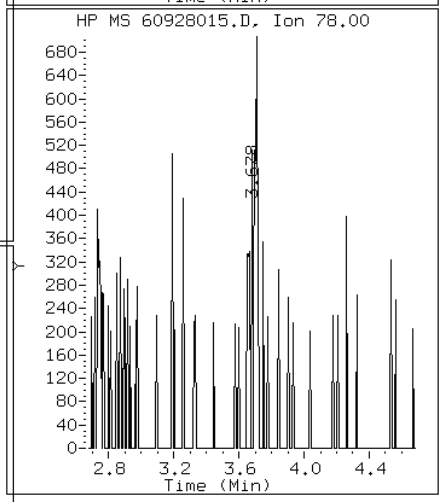












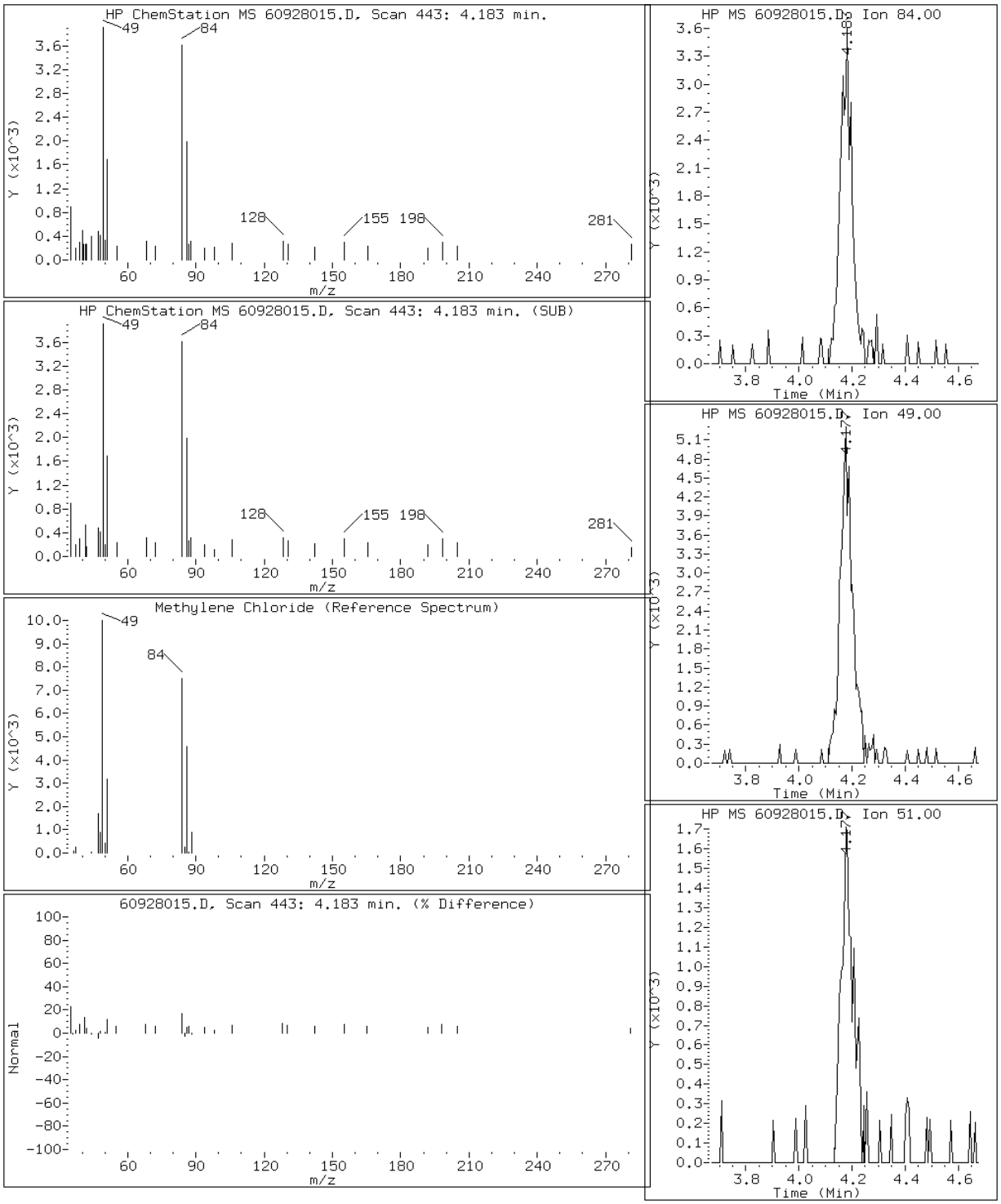
Data File: 60928015.D

Date: 28-SEP-2012 15:39

Client ID: MW-101 Instrument: hp6.i

Sample Info: 180-14634-E-6 Operator: 001562

18 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-102 | Lab Sample ID: 180-14634-7

Matrix: Water | Lab File ID: 60928016.D

Analysis Method: 8260B | Date Collected: 09/19/2012 10:45

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2012 16:03

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 50119 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	ND		5.0	2.5
71-43-2	Benzene	ND		1.0	0.11
75-27-4	Bromodichloromethane	ND		1.0	0.13
75-25-2	Bromoform	ND		1.0	0.19
74-83-9	Bromomethane	ND		1.0	0.31
78-93-3	2-Butanone (MEK)	ND		5.0	0.55
75-15-0	Carbon disulfide	0.49	J B	1.0	0.21
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	ND		1.0	0.14
75-00-3	Chloroethane	ND		1.0	0.21
67-66-3	Chloroform	ND		1.0	0.17
124-48-1	Dibromochloromethane	ND		1.0	0.14
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.14
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.18
75-34-3	1,1-Dichloroethane	ND		1.0	0.12
107-06-2	1,2-Dichloroethane	0.29	J	1.0	0.21
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.17
78-87-5	1,2-Dichloropropane	7.9		1.0	0.095
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.15
100-41-4	Ethylbenzene	ND		1.0	0.23
591-78-6	2-Hexanone	ND		5.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.15
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53
100-42-5	Styrene	ND		1.0	0.097
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		1.0	0.15
108-88-3	Toluene	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.29
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.20
79-01-6	Trichloroethene	0.22	J	1.0	0.14
75-69-4	Trichlorofluoromethane	ND		1.0	0.20
75-01-4	Vinyl chloride	ND		1.0	0.23
1330-20-7	Xylenes, Total	ND		3.0	0.49
110-82-7	Cyclohexane	ND		1.0	0.25

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-102 | Lab Sample ID: 180-14634-7

Matrix: Water | Lab File ID: 60928016.D

Analysis Method: 8260B | Date Collected: 09/19/2012 10:45

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2012 16:03

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 50119 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	0.25	J	1.0	0.24
75-71-8	Dichlorodifluoromethane	ND		1.0	0.19
98-82-8	Isopropylbenzene	ND		1.0	0.16
79-20-9	Methyl acetate	ND		1.0	0.14
108-87-2	Methylcyclohexane	ND		1.0	0.26
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.18
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.15
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.11
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.21
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.27
74-87-3	Chloromethane	ND		1.0	0.28
123-91-1	1,4-Dioxane	ND		200	34

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	118		64-135
2037-26-5	Toluene-d8 (Surr)	91		71-118
460-00-4	4-Bromofluorobenzene (Surr)	92		70-118
1868-53-7	Dibromofluoromethane (Surr)	100		70-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-102 Lab Sample ID: 180-14634-7

Matrix: Water Lab File ID: 60928016.D

Analysis Method: 8260B Date Collected: 09/19/2012 10:45

Sample wt/vol: 5(mL) Date Analyzed: 09/28/2012 16:03

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 50119 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

FORM I-TIC 8260B

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6092812d.b\60928016.D
Lab Smp Id: 180-14634-G-7 Client Smp ID: MW-102
Inj Date : 28-SEP-2012 16:03
Operator : 001562 Inst ID: hp6.i
Smp Info : 180-14634-G-7
Misc Info : 180-14634-G-7
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6092812d.b\T8260bllw.m
Meth Date : 28-Sep-2012 16:10 lipayj Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 66
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-634.sub
Target Version: 4.14
Processing Host: PITPC-530

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 46 Fluorobenzene (IS)	96	7.309	7.305	(1.000)	529260	50.0000	
* 69 Chlorobenzene-d5	119	10.399	10.402	(1.000)	116105	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.729	12.726	(1.000)	164396	50.0000	
$ 39 Dibromofluoromethane (Surr)	113	6.561	6.563	(0.898)	106274	49.8045	49.80
$ 43 1,2-Dichloroethane-d4	65	6.932	6.934	(0.948)	140349	59.0179	59.02
$ 59 Toluene-d8	98	8.964	8.960	(0.862)	478042	45.4354	45.44
$ 80 Bromofluorobenzene (Surr)	95	11.574	11.570	(1.113)	154111	45.8622	45.86
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
10 1,1,2-trichloro-1,2,2-trifluor	101	Compound Not Detected.					
12 1,1-Dichloroethene	96	Compound Not Detected.					
15 Carbon Disulfide	76	3.683	3.680	(0.504)	16101	2.44296	2.443
13 Acetone	43	Compound Not Detected.					
18 Methylene Chloride	84	Compound Not Detected.					
19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
20 Methyl tert-butyl ether	73	Compound Not Detected.					
24 1,1-Dichloroethane	63	Compound Not Detected.					
27 2,2-Dichloropropane	77	Compound Not Detected.					
28 cis-1,2-dichloroethene	96	5.971	5.967	(0.817)	3908	1.23973	1.240
M 29 1,2-Dichloroethene (total)	96				3908	1.23973	1.240
30 Bromochloromethane	128	Compound Not Detected.					
31 2-Butanone	43	Compound Not Detected.					
37 Chloroform	83	Compound Not Detected.					
38 1,1,1-Trichloroethane	97	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
	40 1,1-Dichloropropene	75	Compound Not Detected.					
	41 Carbon Tetrachloride	117	Compound Not Detected.					
	42 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	7.023	7.019	(0.961)	4581	1.44696	1.447
	47 Trichloroethene	130	7.698	7.701	(1.053)	3269	1.11073	1.111
	49 1,2-Dichloropropane	63	7.942	7.938	(1.087)	111860	39.6812	39.68
	50 Dibromomethane	93	Compound Not Detected.					
	53 Bromodichloromethane	83	Compound Not Detected.					
	57 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	58 4-Methyl-2-Pentanone	43	Compound Not Detected.					
	60 Toluene	91	Compound Not Detected.					
	61 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	63 1,3-Dichloropropane	76	Compound Not Detected.					
	64 1,1,2-Trichloroethane	97	Compound Not Detected.					
	65 Tetrachloroethene	164	Compound Not Detected.					
	66 2-Hexanone	43	Compound Not Detected.					
	67 Dibromochloromethane	129	Compound Not Detected.					
	68 1,2-Dibromoethane	107	Compound Not Detected.					
	70 Chlorobenzene	112	Compound Not Detected.					
	71 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	72 Ethylbenzene	106	Compound Not Detected.					
	73 m + p-Xylene	106	Compound Not Detected.					
	74 Xylene-o	106	Compound Not Detected.					
M	75 Xylenes (total)	106	Compound Not Detected.					
	76 Styrene	104	Compound Not Detected.					
	77 Bromoform	173	Compound Not Detected.					
	78 Isopropylbenzene	105	Compound Not Detected.					
	83 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	88 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	91 1,3-Dichlorobenzene	146	Compound Not Detected.					
	93 1,4-Dichlorobenzene	146	Compound Not Detected.					
	95 1,2-Dichlorobenzene	146	Compound Not Detected.					
	96 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
	97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	156 Methyl Acetate	43	Compound Not Detected.					
	157 Cyclohexane	56	Compound Not Detected.					
	158 Methyl Cyclohexane	83	Compound Not Detected.					
	52 1,4-Dioxane	88	Compound Not Detected.					

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6092812d.b\60928016.D
Lab Smp Id: 180-14634-G-7 Client Smp ID: MW-102
Inj Date : 28-SEP-2012 16:03
Operator : 001562 Inst ID: hp6.i
Smp Info : 180-14634-G-7
Misc Info : 180-14634-G-7
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6092812d.b\T8260bllw.m
Meth Date : 28-Sep-2012 16:10 lipayj Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 66
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-634.sub
Target Version: 4.14
Processing Host: PITPC-530

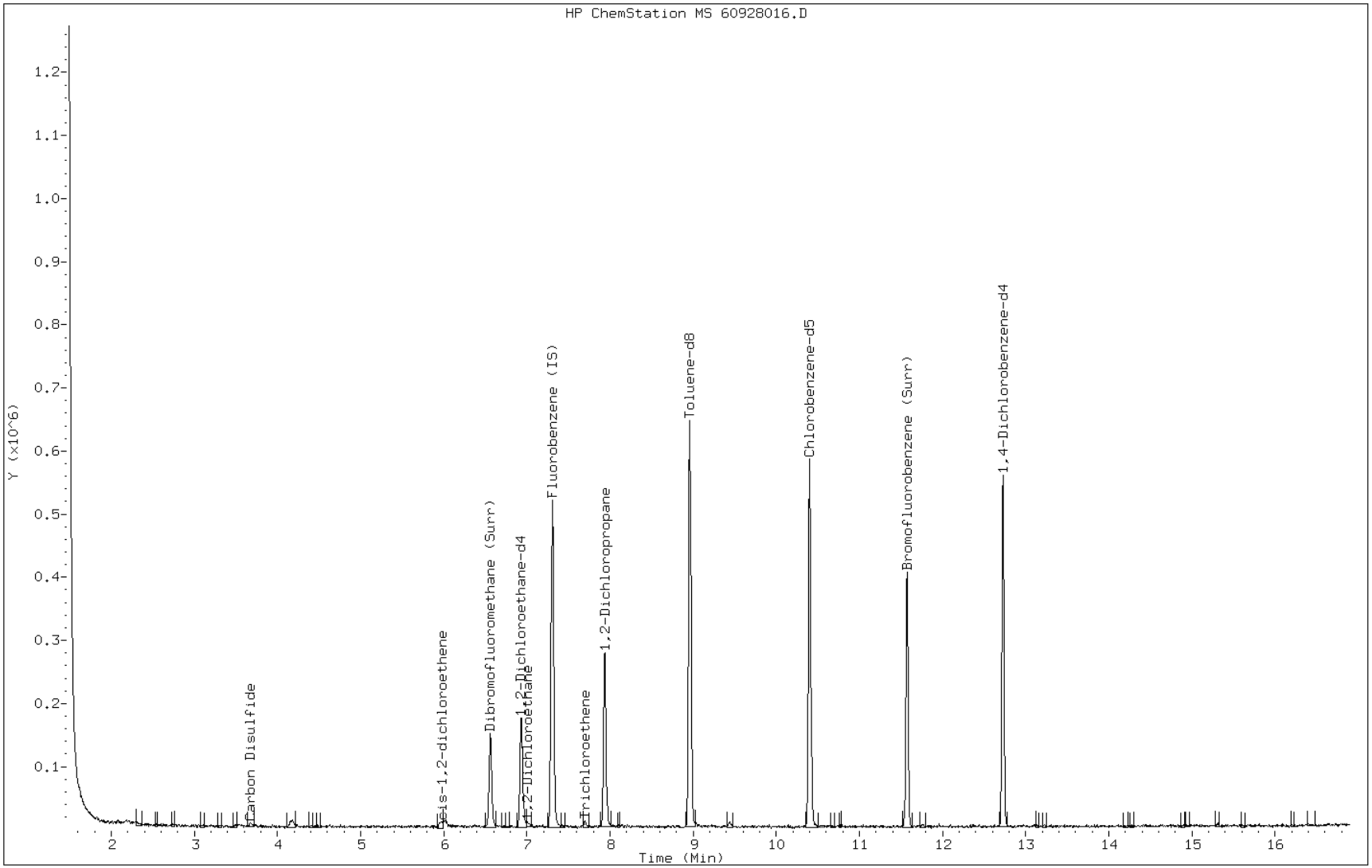
- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: 60928016.D

Date: 28-SEP-2012 16:03

Client ID: MW-102 Instrument: hp6.i

Sample Info: 180-14634-G-7 Operator: 001562



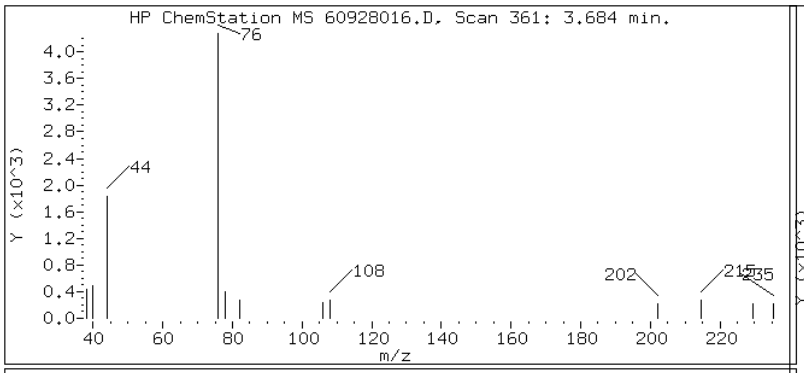
Data File: 60928016.D

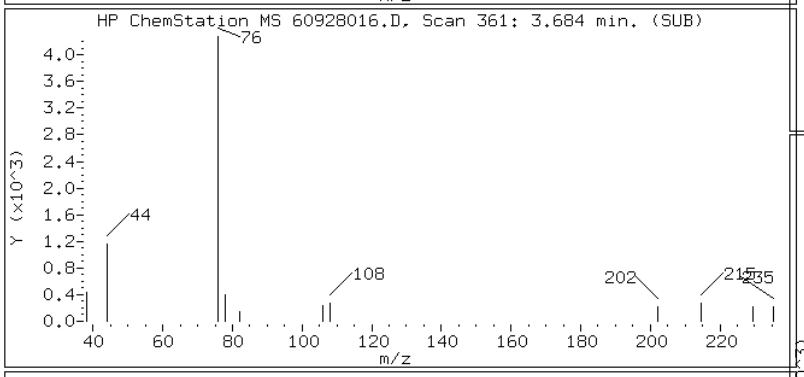
Date: 28-SEP-2012 16:03

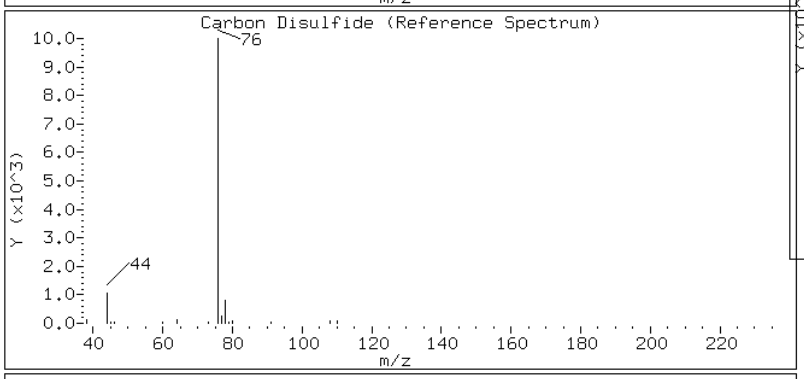
Client ID: MW-102 Instrument: hp6.i

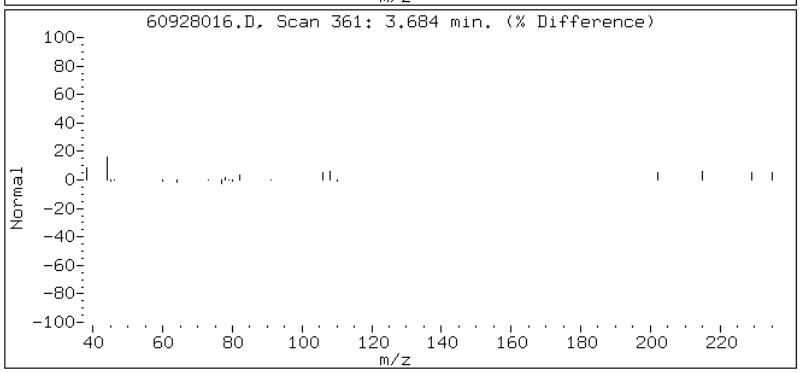
Sample Info: 180-14634-G-7 Operator: 001562

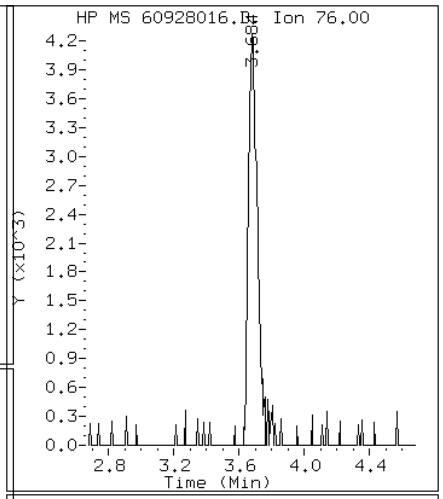
15 Carbon Disulfide

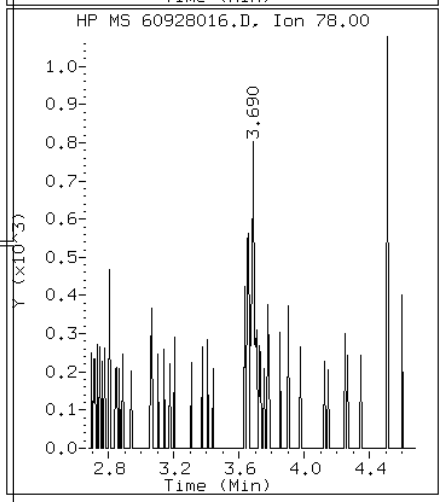












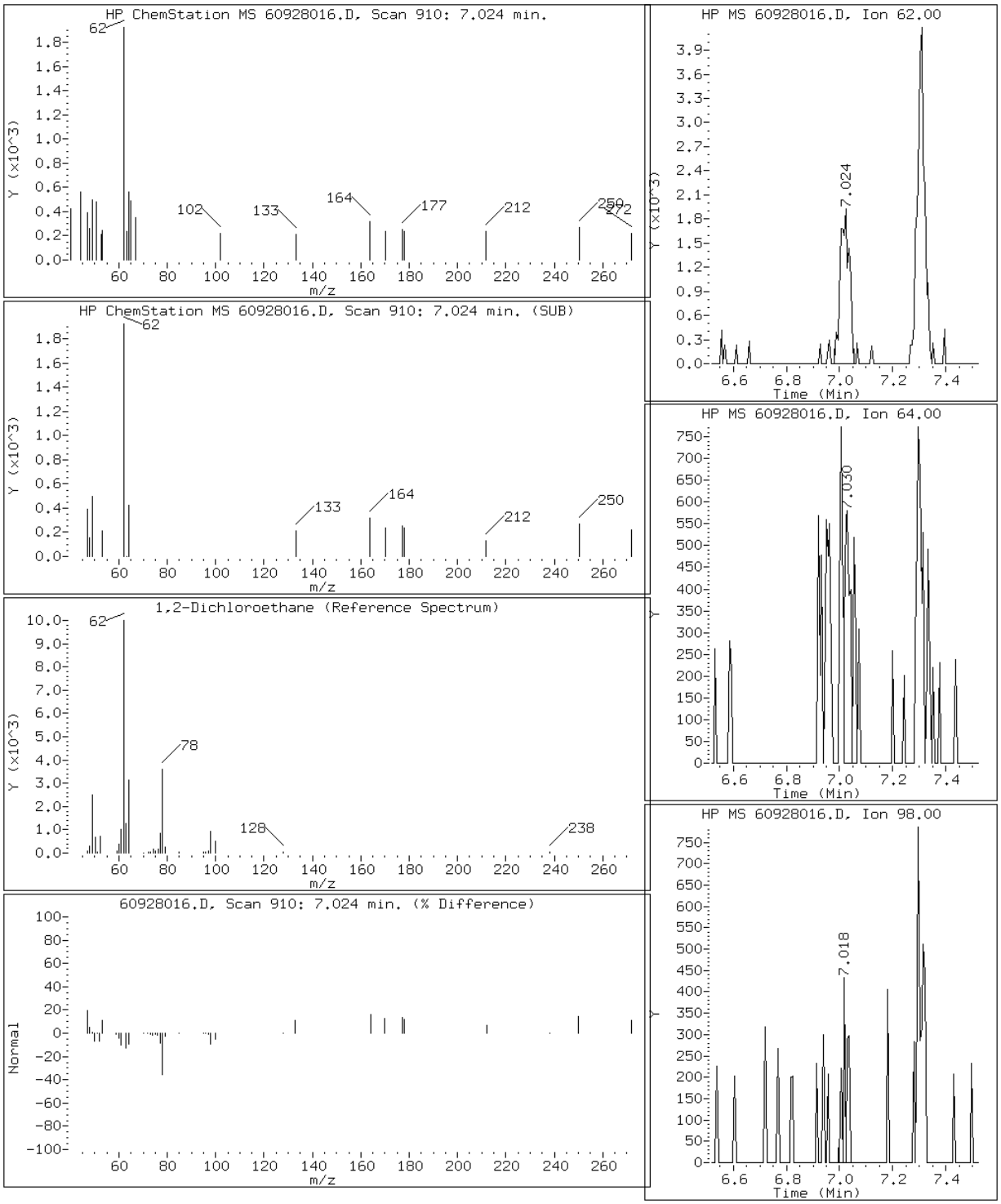
Data File: 60928016.D

Date: 28-SEP-2012 16:03

Client ID: MW-102 Instrument: hp6.i

Sample Info: 180-14634-G-7 Operator: 001562

45 1,2-Dichloroethane



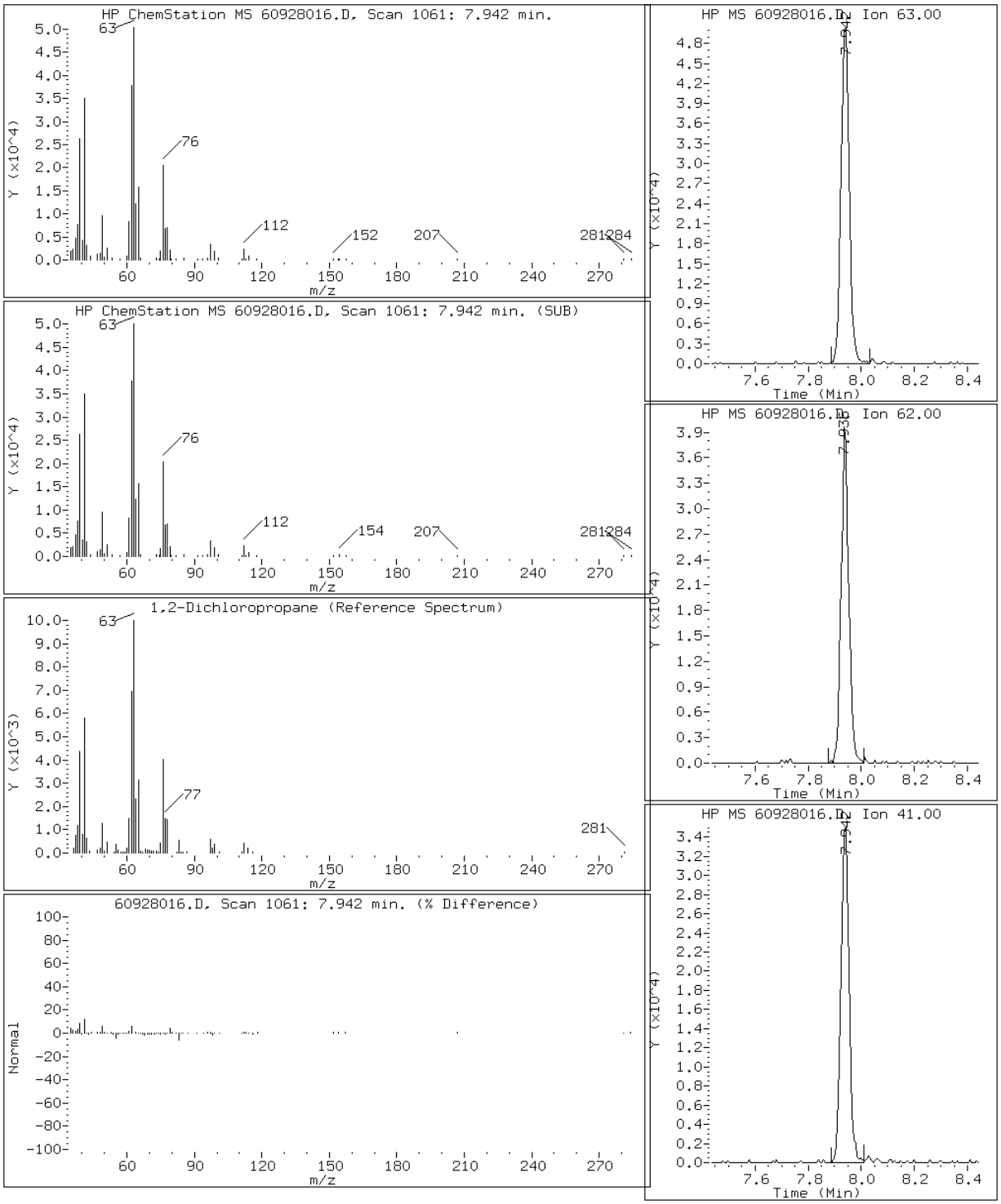
Data File: 60928016.D

Date: 28-SEP-2012 16:03

Client ID: MW-102 Instrument: hp6.i

Sample Info: 180-14634-G-7 Operator: 001562

49 1,2-Dichloropropane



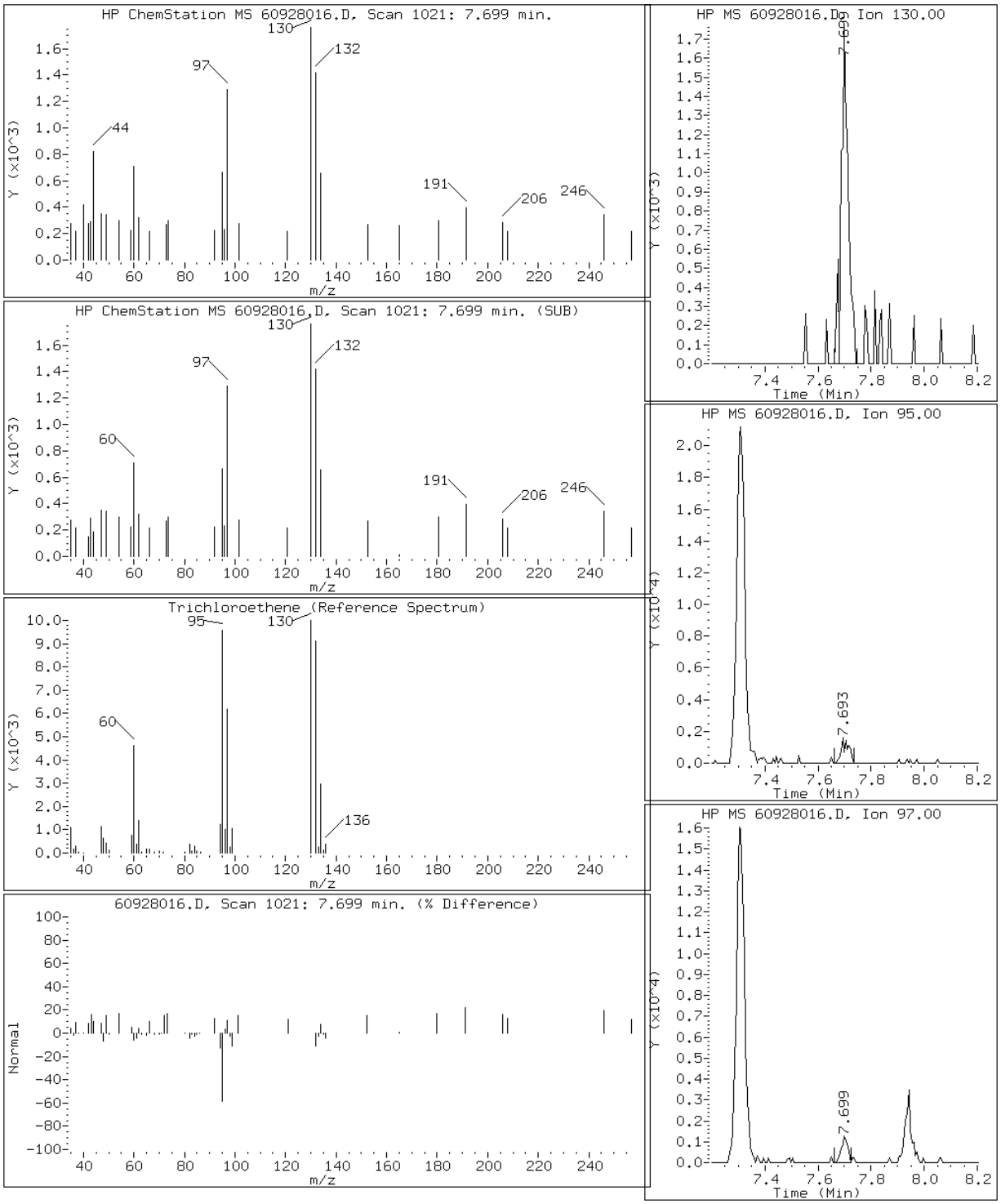
Data File: 60928016.D

Date: 28-SEP-2012 16:03

Client ID: MW-102 Instrument: hp6.i

Sample Info: 180-14634-G-7 Operator: 001562

47 Trichloroethene



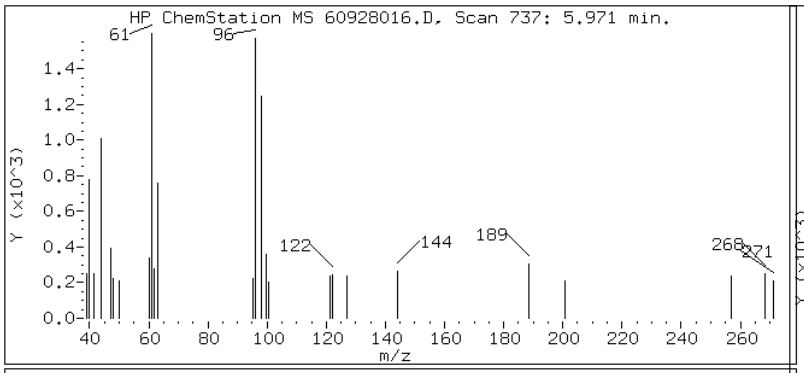
Data File: 60928016.D

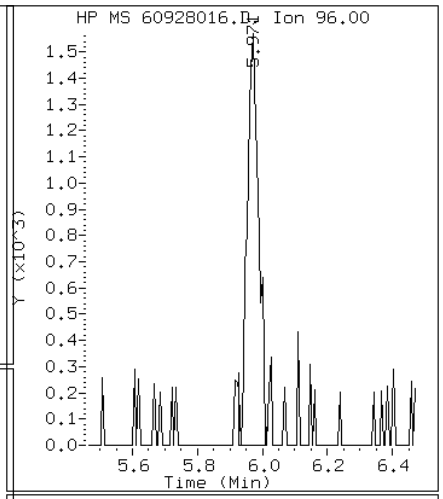
Date: 28-SEP-2012 16:03

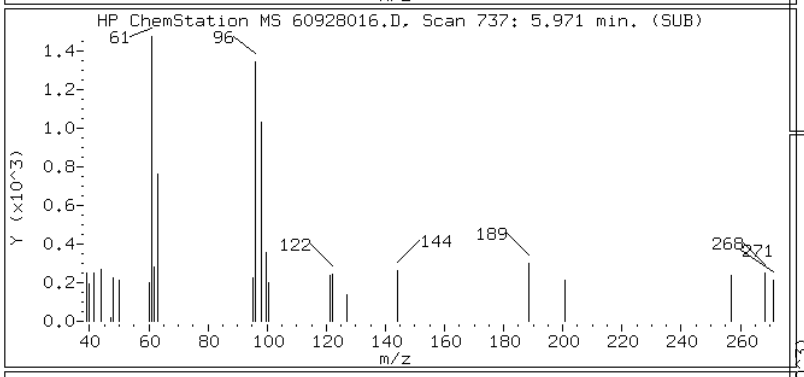
Client ID: MW-102 Instrument: hp6.i

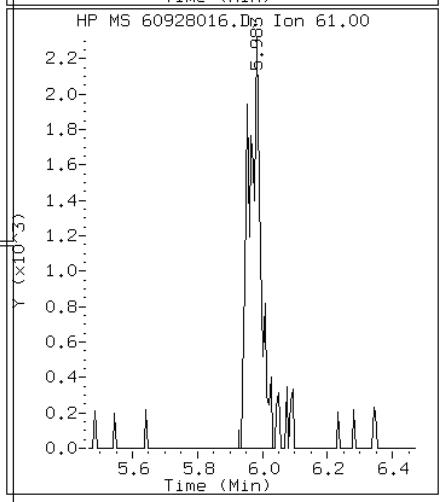
Sample Info: 180-14634-G-7 Operator: 001562

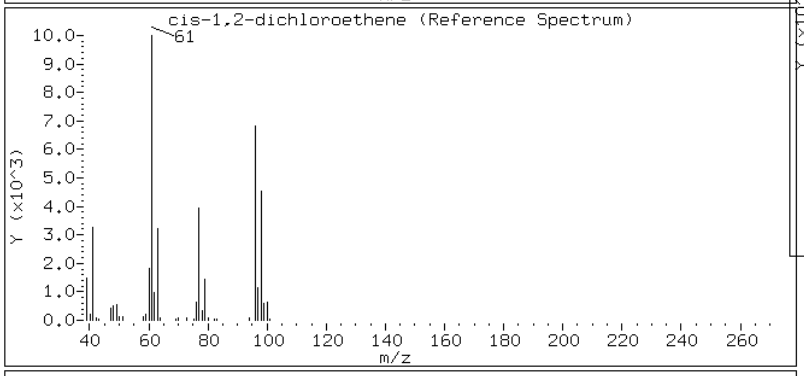
28 cis-1,2-dichloroethene

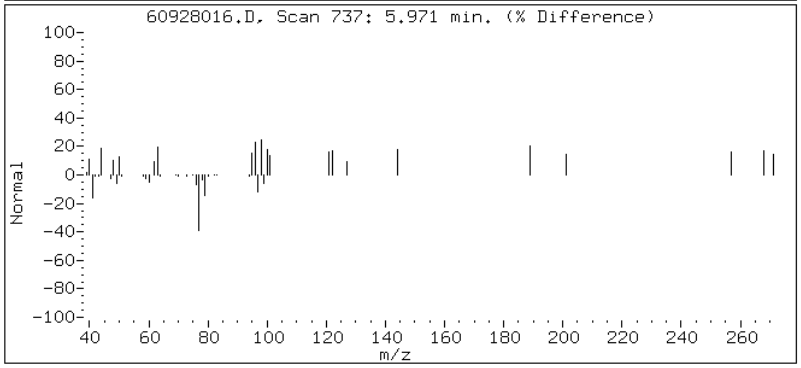












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-106 | Lab Sample ID: 180-14634-8

Matrix: Water | Lab File ID: 60928017.D

Analysis Method: 8260B | Date Collected: 09/19/2012 12:25

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2012 16:28

Soil Aliquot Vol: | Dilution Factor: 100

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 50119 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	ND		500	250
71-43-2	Benzene	22	J	100	11
75-27-4	Bromodichloromethane	ND		100	13
75-25-2	Bromoform	ND		100	19
74-83-9	Bromomethane	ND		100	31
78-93-3	2-Butanone (MEK)	ND		500	55
75-15-0	Carbon disulfide	46	J B	100	21
56-23-5	Carbon tetrachloride	ND		100	14
108-90-7	Chlorobenzene	1600		100	14
75-00-3	Chloroethane	ND		100	21
67-66-3	Chloroform	ND		100	17
124-48-1	Dibromochloromethane	ND		100	14
96-12-8	1,2-Dibromo-3-Chloropropane	ND		100	14
106-93-4	1,2-Dibromoethane (EDB)	ND		100	18
75-34-3	1,1-Dichloroethane	ND		100	12
107-06-2	1,2-Dichloroethane	ND		100	21
75-35-4	1,1-Dichloroethene	ND		100	30
156-60-5	trans-1,2-Dichloroethene	ND		100	17
78-87-5	1,2-Dichloropropane	ND		100	9.5
10061-01-5	cis-1,3-Dichloropropene	ND		100	19
10061-02-6	trans-1,3-Dichloropropene	ND		100	15
100-41-4	Ethylbenzene	ND		100	23
591-78-6	2-Hexanone	ND		500	16
75-09-2	Methylene Chloride	ND		100	15
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		500	53
100-42-5	Styrene	ND		100	9.7
79-34-5	1,1,2,2-Tetrachloroethane	ND		100	20
127-18-4	Tetrachloroethene	ND		100	15
108-88-3	Toluene	ND		100	15
71-55-6	1,1,1-Trichloroethane	ND		100	29
79-00-5	1,1,2-Trichloroethane	25	J	100	20
79-01-6	Trichloroethene	170		100	14
75-69-4	Trichlorofluoromethane	ND		100	20
75-01-4	Vinyl chloride	ND		100	23
1330-20-7	Xylenes, Total	ND		300	49
110-82-7	Cyclohexane	ND		100	25

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-106 | Lab Sample ID: 180-14634-8

Matrix: Water | Lab File ID: 60928017.D

Analysis Method: 8260B | Date Collected: 09/19/2012 12:25

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2012 16:28

Soil Aliquot Vol: | Dilution Factor: 100

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 50119 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	71	J	100	24
75-71-8	Dichlorodifluoromethane	ND		100	19
98-82-8	Isopropylbenzene	ND		100	16
79-20-9	Methyl acetate	ND		100	14
108-87-2	Methylcyclohexane	ND		100	26
1634-04-4	Methyl tert-butyl ether	ND		100	18
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	32
95-50-1	1,2-Dichlorobenzene	23	J	100	15
541-73-1	1,3-Dichlorobenzene	ND		100	11
106-46-7	1,4-Dichlorobenzene	ND		100	21
120-82-1	1,2,4-Trichlorobenzene	ND		100	27
74-87-3	Chloromethane	ND		100	28
123-91-1	1,4-Dioxane	ND		20000	3400

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	119		64-135
2037-26-5	Toluene-d8 (Surr)	88		71-118
460-00-4	4-Bromofluorobenzene (Surr)	87		70-118
1868-53-7	Dibromofluoromethane (Surr)	100		70-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-106 Lab Sample ID: 180-14634-8

Matrix: Water Lab File ID: 60928017.D

Analysis Method: 8260B Date Collected: 09/19/2012 12:25

Sample wt/vol: 5(mL) Date Analyzed: 09/28/2012 16:28

Soil Aliquot Vol: Dilution Factor: 100

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 50119 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

FORM I-TIC 8260B

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6092812d.b\60928017.D
Lab Smp Id: 180-14634-G-8 Client Smp ID: MW-106
Inj Date : 28-SEP-2012 16:28
Operator : 001562 Inst ID: hp6.i
Smp Info : 180-14634-G-8, 100x
Misc Info : 180-14634-G-8
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6092812d.b\T8260bllw.m
Meth Date : 28-Sep-2012 18:07 lipayj Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 67
Dil Factor: 100.00000
Integrator: HP RTE Compound Sublist: 1-634.sub
Target Version: 4.14
Processing Host: PITPC-530

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)	
*	46 Fluorobenzene (IS)	96	7.309	7.305	(1.000)	527612	50.0000		
*	69 Chlorobenzene-d5	119	10.405	10.402	(1.000)	122660	50.0000		
*	92 1,4-Dichlorobenzene-d4	152	12.729	12.726	(1.000)	166438	50.0000		(Q)
$	39 Dibromofluoromethane (Surr)	113	6.560	6.563	(0.898)	106292	49.9686	49.97	
$	43 1,2-Dichloroethane-d4	65	6.938	6.934	(0.949)	140958	59.4592	59.46	
$	59 Toluene-d8	98	8.963	8.960	(0.861)	490862	44.1607	44.16	
$	80 Bromofluorobenzene (Surr)	95	11.573	11.570	(1.112)	154331	43.4733	43.47	
	1 Dichlorodifluoromethane	85	Compound Not Detected.						
	2 Chloromethane	50	Compound Not Detected.						
	3 Vinyl Chloride	62	Compound Not Detected.						
	4 Bromomethane	94	Compound Not Detected.						
	5 Chloroethane	64	Compound Not Detected.						
	6 Trichlorofluoromethane	101	Compound Not Detected.						
	10 1,1,2-trichloro-1,2,2-trifluor	101	Compound Not Detected.						
	12 1,1-Dichloroethene	96	Compound Not Detected.						
	15 Carbon Disulfide	76	3.695	3.680	(0.506)	14996	2.28241	228.2	
	13 Acetone	43	Compound Not Detected.						
	18 Methylene Chloride	84	Compound Not Detected.						
	19 trans-1,2-Dichloroethene	96	Compound Not Detected.						
	20 Methyl tert-butyl ether	73	Compound Not Detected.						
	24 1,1-Dichloroethane	63	Compound Not Detected.						
	28 cis-1,2-dichloroethene	96	5.976	5.967	(0.818)	11090	3.52905	352.9	
M	29 1,2-Dichloroethene (total)	96				11090	3.52905	352.9	
	31 2-Butanone	43	Compound Not Detected.						
	37 Chloroform	83	Compound Not Detected.						
	38 1,1,1-Trichloroethane	97	Compound Not Detected.						
	40 1,1-Dichloropropene	75	Compound Not Detected.						
	41 Carbon Tetrachloride	117	Compound Not Detected.						

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
42 Benzene	78	6.986	6.989	(0.956)	13277	1.11675	111.7
45 1,2-Dichloroethane	62	Compound Not Detected.					
47 Trichloroethene	130	7.704	7.701	(1.054)	24274	8.27349	827.3
49 1,2-Dichloropropane	63	Compound Not Detected.					
53 Bromodichloromethane	83	Compound Not Detected.					
57 cis-1,3-Dichloropropene	75	Compound Not Detected.					
58 4-Methyl-2-Pentanone	43	Compound Not Detected.					
60 Toluene	91	Compound Not Detected.					
61 trans-1,3-Dichloropropene	75	Compound Not Detected.					
63 1,3-Dichloropropane	76	Compound Not Detected.					
64 1,1,2-Trichloroethane	97	9.438	9.435	(0.907)	2858	1.25472	125.5
65 Tetrachloroethene	164	Compound Not Detected.					
66 2-Hexanone	43	Compound Not Detected.					
67 Dibromochloromethane	129	Compound Not Detected.					
68 1,2-Dibromoethane	107	Compound Not Detected.					
70 Chlorobenzene	112	10.430	10.432	(1.002)	617065	78.5623	7856
72 Ethylbenzene	106	Compound Not Detected.					
73 m + p-Xylene	106	Compound Not Detected.					
74 Xylene-o	106	Compound Not Detected.					
M 75 Xylenes (total)	106	Compound Not Detected.					
76 Styrene	104	Compound Not Detected.					
77 Bromoform	173	Compound Not Detected.					
78 Isopropylbenzene	105	Compound Not Detected.					
83 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91 1,3-Dichlorobenzene	146	Compound Not Detected.					
93 1,4-Dichlorobenzene	146	Compound Not Detected.					
95 1,2-Dichlorobenzene	146	13.125	13.127	(1.031)	5491	1.12965	113.0
96 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
156 Methyl Acetate	43	Compound Not Detected.					
157 Cyclohexane	56	Compound Not Detected.					
158 Methyl Cyclohexane	83	Compound Not Detected.					
52 1,4-Dioxane	88	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6092812d.b\60928017.D
Lab Smp Id: 180-14634-G-8 Client Smp ID: MW-106
Inj Date : 28-SEP-2012 16:28
Operator : 001562 Inst ID: hp6.i
Smp Info : 180-14634-G-8, 100x
Misc Info : 180-14634-G-8
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6092812d.b\T8260bllw.m
Meth Date : 28-Sep-2012 18:07 lipayj Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 67
Dil Factor: 100.00000
Integrator: HP RTE Compound Sublist: 1-634.sub
Target Version: 4.14
Processing Host: PITPC-530

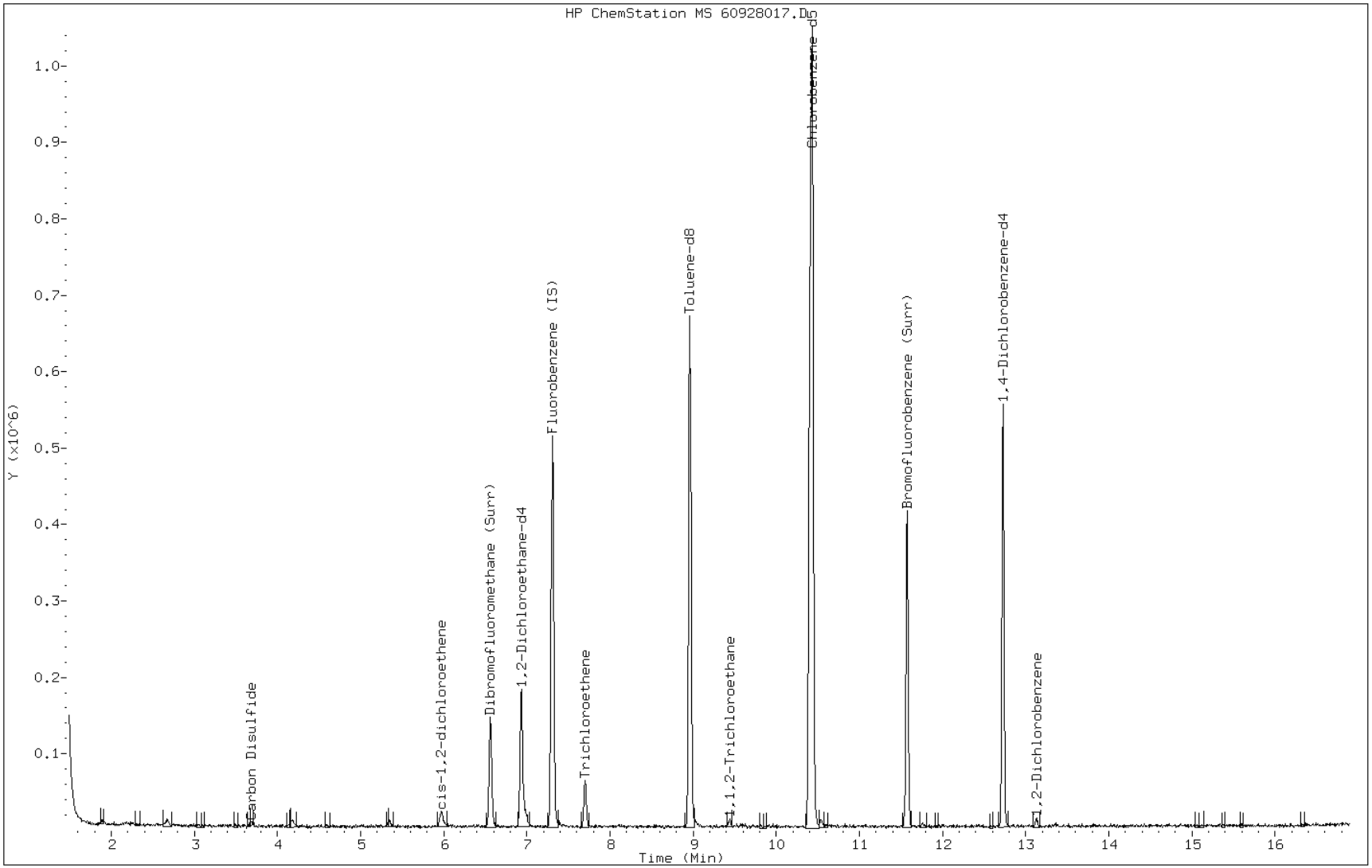
- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: 60928017.D

Date: 28-SEP-2012 16:28

Client ID: MW-106 Instrument: hp6.i

Sample Info: 180-14634-G-8, 100x Operator: 001562



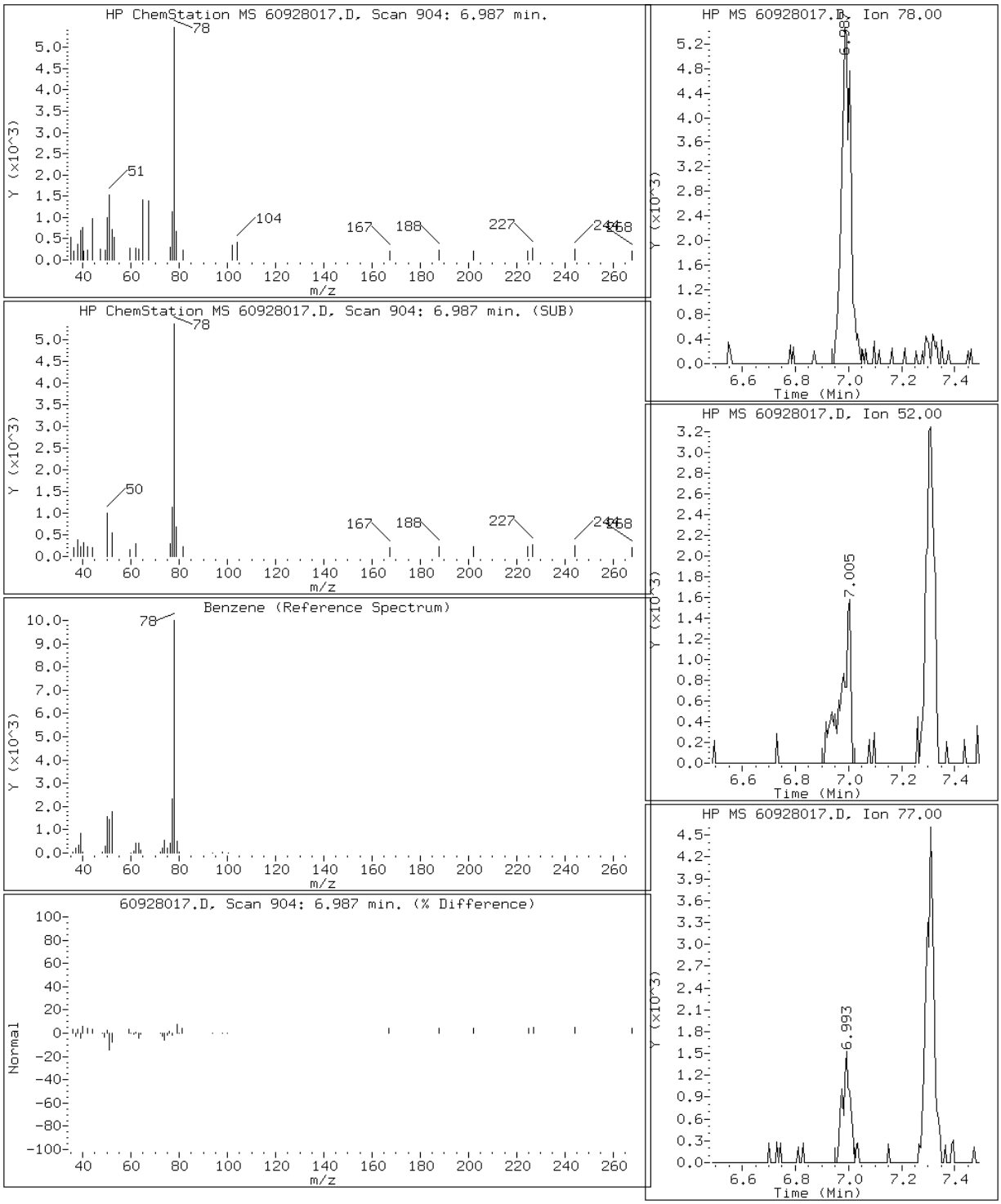
Data File: 60928017.D

Date: 28-SEP-2012 16:28

Client ID: MW-106 Instrument: hp6.i

Sample Info: 180-14634-G-8, 100x Operator: 001562

42 Benzene



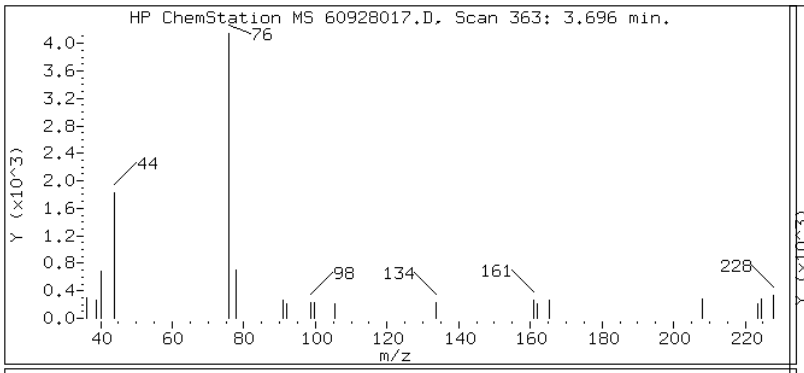
Data File: 60928017.D

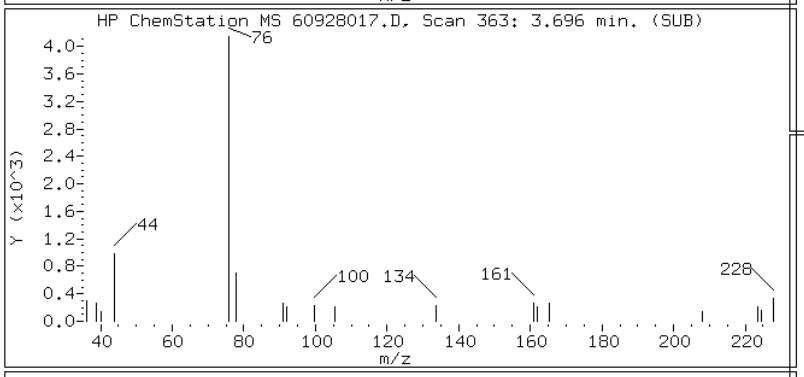
Date: 28-SEP-2012 16:28

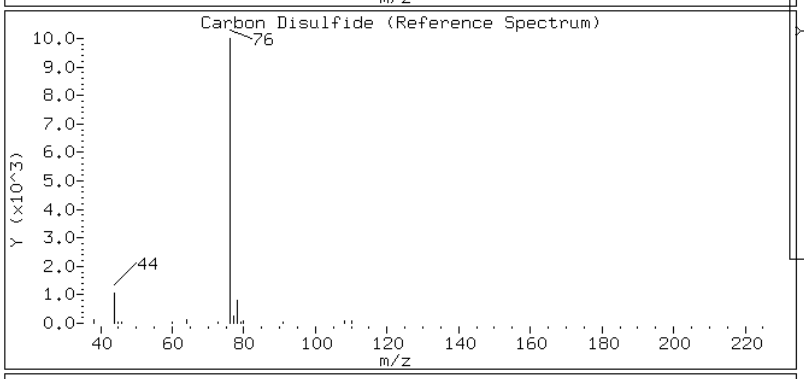
Client ID: MW-106 Instrument: hp6.i

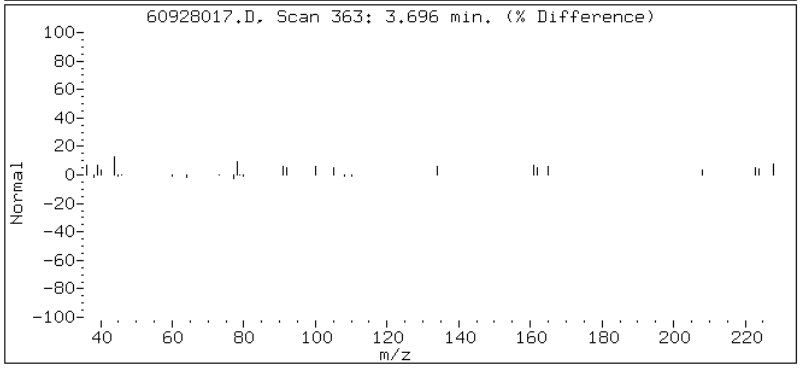
Sample Info: 180-14634-G-8, 100x Operator: 001562

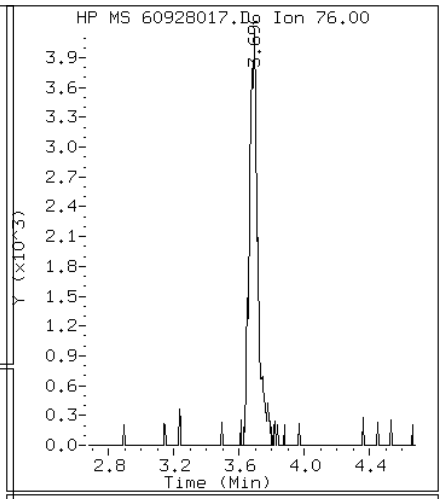
15 Carbon Disulfide

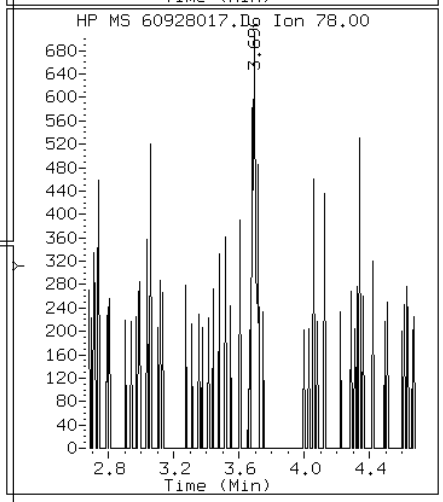












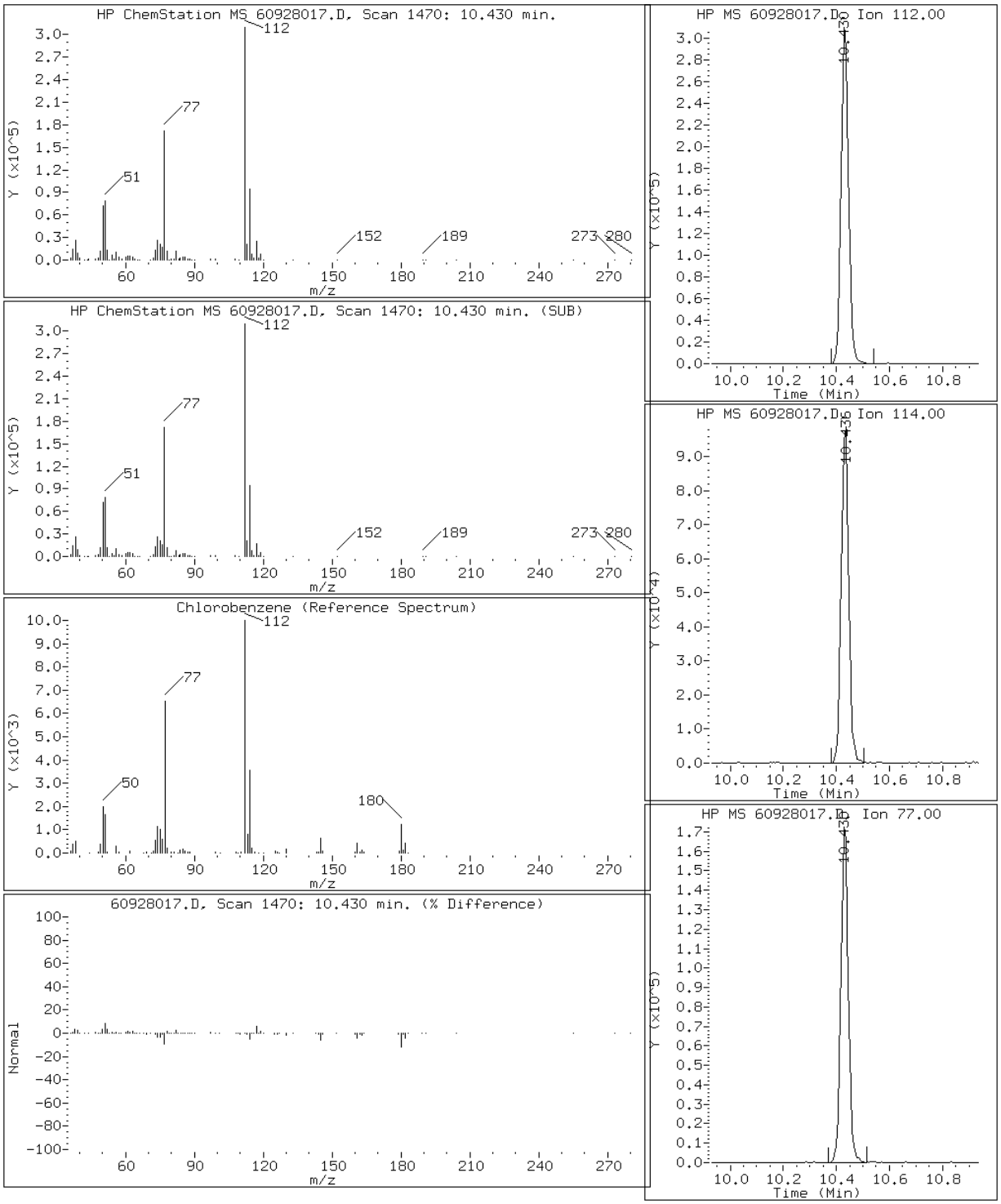
Data File: 60928017.D

Date: 28-SEP-2012 16:28

Client ID: MW-106 Instrument: hp6.i

Sample Info: 180-14634-G-8, 100x Operator: 001562

70 Chlorobenzene



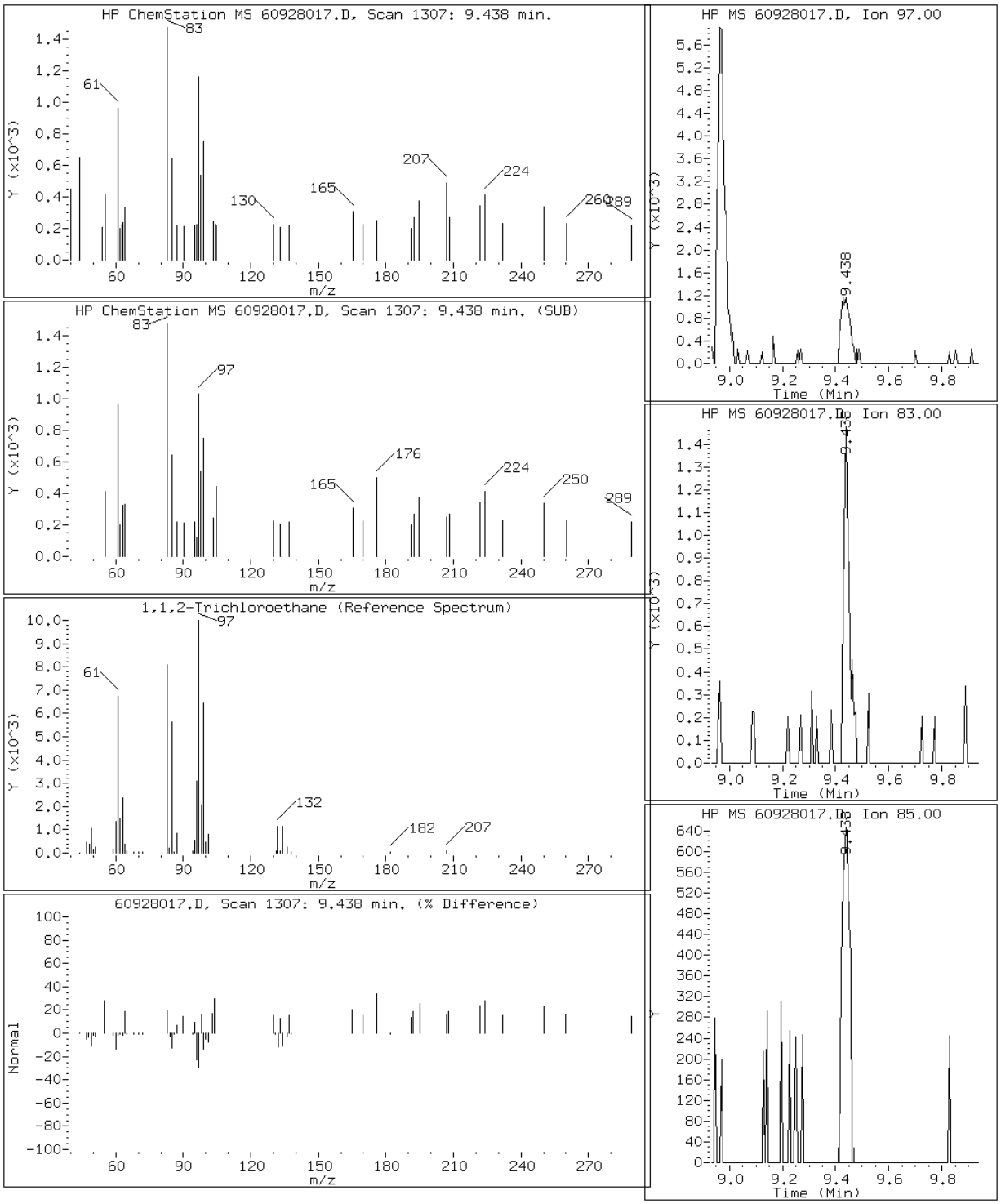
Data File: 60928017.D

Date: 28-SEP-2012 16:28

Client ID: MW-106 Instrument: hp6.i

Sample Info: 180-14634-G-8, 100x Operator: 001562

64 1,1,2-Trichloroethane



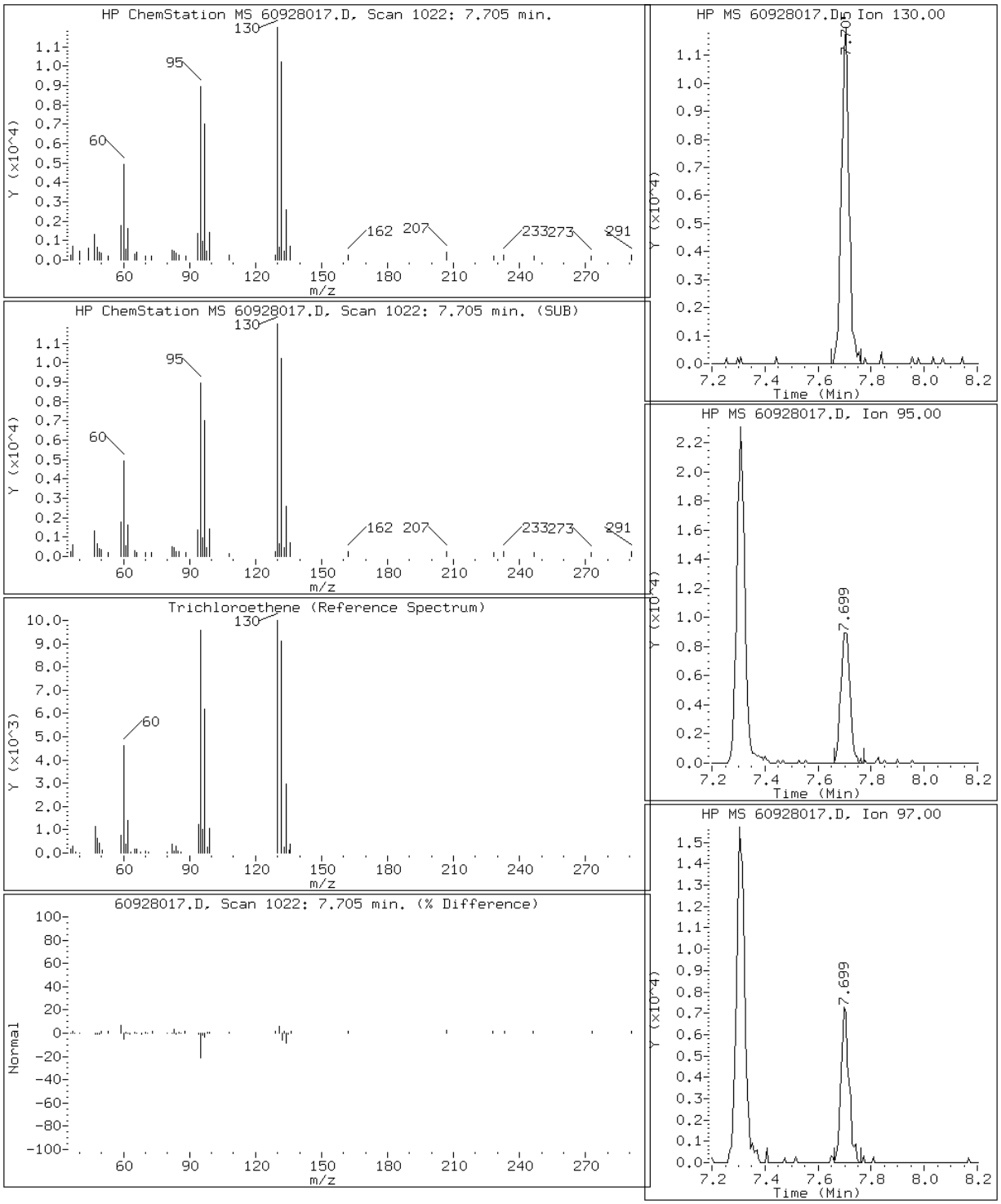
Data File: 60928017.D

Date: 28-SEP-2012 16:28

Client ID: MW-106 Instrument: hp6.i

Sample Info: 180-14634-G-8, 100x Operator: 001562

47 Trichloroethene



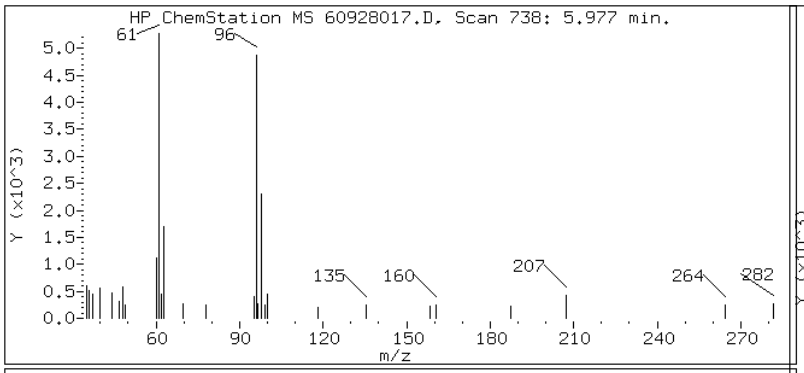
Data File: 60928017.D

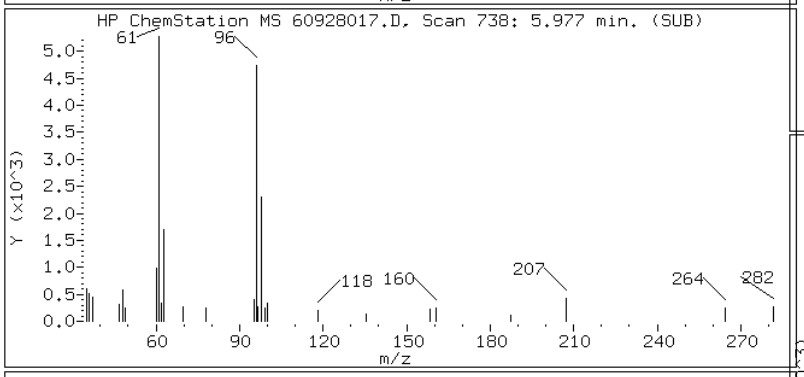
Date: 28-SEP-2012 16:28

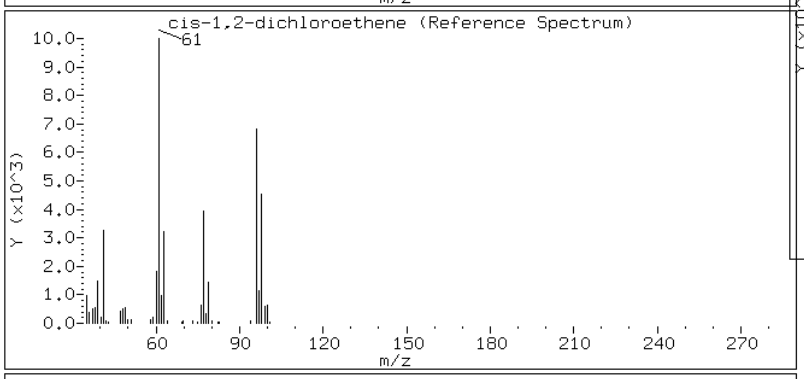
Client ID: MW-106 Instrument: hp6.i

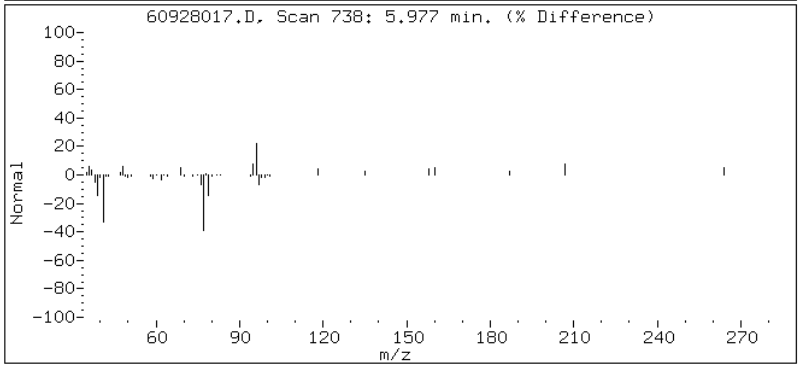
Sample Info: 180-14634-G-8, 100x Operator: 001562

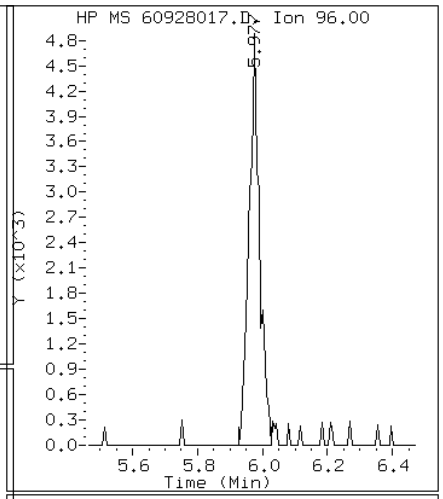
28 cis-1,2-dichloroethene

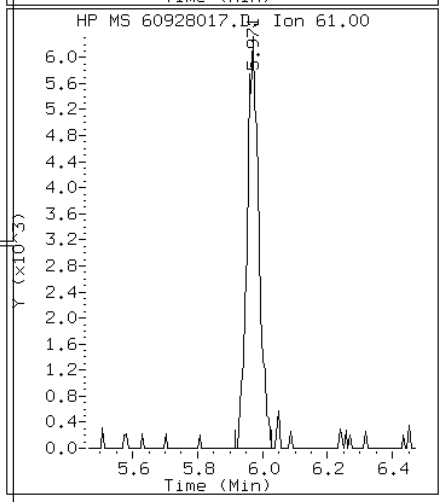












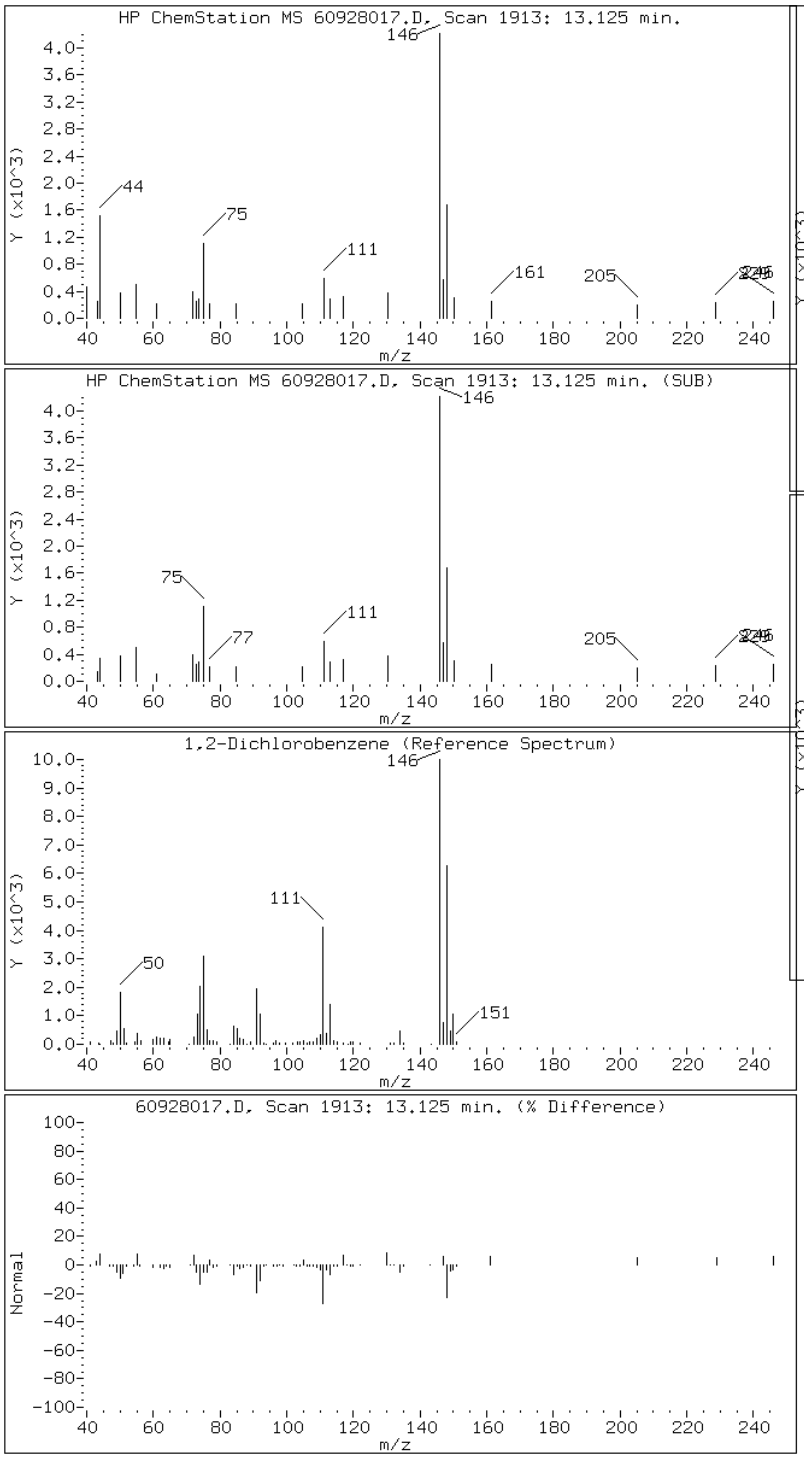
Data File: 60928017.D

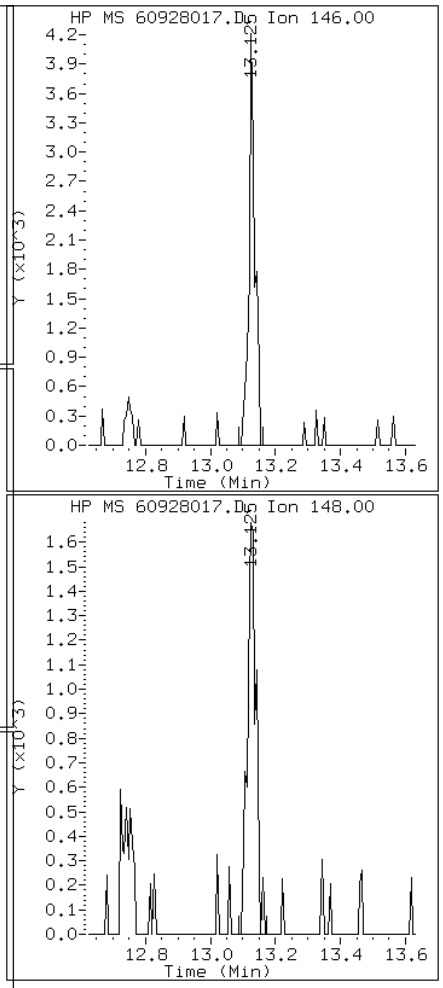
Date: 28-SEP-2012 16:28

Client ID: MW-106 Instrument: hp6.i

Sample Info: 180-14634-G-8, 100x Operator: 001562

95 1,2-Dichlorobenzene





FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-110 | Lab Sample ID: 180-14634-9

Matrix: Water | Lab File ID: 61001014.D

Analysis Method: 8260B | Date Collected: 09/19/2012 13:00

Sample wt/vol: 5(mL) | Date Analyzed: 10/01/2012 14:16

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 50323 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	5.3	*	5.0	2.5
71-43-2	Benzene	ND		1.0	0.11
75-27-4	Bromodichloromethane	ND		1.0	0.13
75-25-2	Bromoform	ND		1.0	0.19
74-83-9	Bromomethane	ND		1.0	0.31
78-93-3	2-Butanone (MEK)	ND		5.0	0.55
75-15-0	Carbon disulfide	ND		1.0	0.21
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	0.20	J	1.0	0.14
75-00-3	Chloroethane	ND		1.0	0.21
67-66-3	Chloroform	ND		1.0	0.17
124-48-1	Dibromochloromethane	ND		1.0	0.14
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.14
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.18
75-34-3	1,1-Dichloroethane	ND		1.0	0.12
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.17
78-87-5	1,2-Dichloropropane	ND		1.0	0.095
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.15
100-41-4	Ethylbenzene	ND		1.0	0.23
591-78-6	2-Hexanone	ND		5.0	0.16
75-09-2	Methylene Chloride	0.16	J	1.0	0.15
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53
100-42-5	Styrene	ND		1.0	0.097
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		1.0	0.15
108-88-3	Toluene	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.29
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.14
75-69-4	Trichlorofluoromethane	ND		1.0	0.20
75-01-4	Vinyl chloride	ND		1.0	0.23
1330-20-7	Xylenes, Total	ND		3.0	0.49
110-82-7	Cyclohexane	ND		1.0	0.25

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-110 | Lab Sample ID: 180-14634-9

Matrix: Water | Lab File ID: 61001014.D

Analysis Method: 8260B | Date Collected: 09/19/2012 13:00

Sample wt/vol: 5(mL) | Date Analyzed: 10/01/2012 14:16

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 50323 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.24
75-71-8	Dichlorodifluoromethane	ND		1.0	0.19
98-82-8	Isopropylbenzene	ND		1.0	0.16
79-20-9	Methyl acetate	ND		1.0	0.14
108-87-2	Methylcyclohexane	ND		1.0	0.26
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.18
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.15
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.11
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.21
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.27
74-87-3	Chloromethane	ND		1.0	0.28
123-91-1	1,4-Dioxane	ND		200	34

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	125		64-135
2037-26-5	Toluene-d8 (Surr)	85		71-118
460-00-4	4-Bromofluorobenzene (Surr)	91		70-118
1868-53-7	Dibromofluoromethane (Surr)	107		70-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-110 Lab Sample ID: 180-14634-9

Matrix: Water Lab File ID: 61001014.D

Analysis Method: 8260B Date Collected: 09/19/2012 13:00

Sample wt/vol: 5(mL) Date Analyzed: 10/01/2012 14:16

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 50323 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

FORM I-TIC 8260B

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6100112d.b\61001014.D
Lab Smp Id: 180-14634-G-9 Client Smp ID: MW-110
Inj Date : 01-OCT-2012 14:16
Operator : 001562 Inst ID: hp6.i
Smp Info : 180-14634-G-9
Misc Info : 180-14634-G-9
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6100112d.b\T8260bllw.m
Meth Date : 02-Oct-2012 15:43 lipayj Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 64
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-dwh2od.sub
Target Version: 4.14
Processing Host: PITPC-002

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
*	46 Fluorobenzene (IS)	96	7.310	7.303	(1.000)	464015	50.0000	
*	69 Chlorobenzene-d5	119	10.406	10.399	(1.000)	110654	50.0000	
*	92 1,4-Dichlorobenzene-d4	152	12.730	12.729	(1.000)	154367	50.0000	
$	39 Dibromofluoromethane (Surr)	113	6.561	6.554	(0.898)	100357	53.6447	53.64
$	43 1,2-Dichloroethane-d4	65	6.939	6.926	(0.949)	130360	62.5254	62.52
$	59 Toluene-d8	98	8.958	8.957	(0.861)	428614	42.7444	42.74
$	80 Bromofluorobenzene (Surr)	95	11.574	11.573	(1.112)	146319	45.6884	45.69
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
	3 Vinyl Chloride	62	Compound Not Detected.					
	4 Bromomethane	94	Compound Not Detected.					
	5 Chloroethane	64	Compound Not Detected.					
	6 Trichlorofluoromethane	101	Compound Not Detected.					
	10 1,1,2-trichloro-1,2,2-trifluor	101	Compound Not Detected.					
	12 1,1-Dichloroethene	96	Compound Not Detected.					
	15 Carbon Disulfide	76	Compound Not Detected.					
	13 Acetone	43	3.514	3.507	(0.481)	16113	26.5589	26.56
	18 Methylene Chloride	84	4.164	4.164	(0.570)	8517	0.78937	0.7894
	19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	20 Methyl tert-butyl ether	73	Compound Not Detected.					
	24 1,1-Dichloroethane	63	Compound Not Detected.					
	27 2,2-Dichloropropane	77	Compound Not Detected.					
	28 cis-1,2-dichloroethene	96	Compound Not Detected.					
M	29 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	30 Bromochloromethane	128	Compound Not Detected.					
	31 2-Butanone	43	Compound Not Detected.					
	37 Chloroform	83	Compound Not Detected.					
	38 1,1,1-Trichloroethane	97	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
	40 1,1-Dichloropropene	75	Compound Not Detected.					
	41 Carbon Tetrachloride	117	Compound Not Detected.					
	42 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	47 Trichloroethene	130	Compound Not Detected.					
	49 1,2-Dichloropropane	63	Compound Not Detected.					
	50 Dibromomethane	93	Compound Not Detected.					
	53 Bromodichloromethane	83	Compound Not Detected.					
	57 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	58 4-Methyl-2-Pentanone	43	Compound Not Detected.					
	60 Toluene	91	Compound Not Detected.					
	61 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	63 1,3-Dichloropropane	76	Compound Not Detected.					
	64 1,1,2-Trichloroethane	97	Compound Not Detected.					
	65 Tetrachloroethene	164	Compound Not Detected.					
	66 2-Hexanone	43	Compound Not Detected.					
	67 Dibromochloromethane	129	Compound Not Detected.					
	68 1,2-Dibromoethane	107	Compound Not Detected.					
	70 Chlorobenzene	112	10.437	10.430	(1.003)	7242	1.02206	1.022
	71 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	72 Ethylbenzene	106	Compound Not Detected.					
	73 m + p-Xylene	106	Compound Not Detected.					
	74 Xylene-o	106	Compound Not Detected.					
M	75 Xylenes (total)	106	Compound Not Detected.					
	76 Styrene	104	Compound Not Detected.					
	77 Bromoform	173	Compound Not Detected.					
	78 Isopropylbenzene	105	Compound Not Detected.					
	79 Bromobenzene	156	Compound Not Detected.					
	81 n-Propylbenzene	120	Compound Not Detected.					
	82 2-Chlorotoluene	126	Compound Not Detected.					
	83 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	84 1,2,3-Trichloropropane	110	Compound Not Detected.					
	85 4-Chlorotoluene	126	Compound Not Detected.					
	86 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	87 tert-Butylbenzene	119	Compound Not Detected.					
	88 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	89 sec-Butylbenzene	105	Compound Not Detected.					
	90 4-Isopropyltoluene	119	Compound Not Detected.					
	91 1,3-Dichlorobenzene	146	Compound Not Detected.					
	93 1,4-Dichlorobenzene	146	Compound Not Detected.					
	94 n-Butylbenzene	91	Compound Not Detected.					
	95 1,2-Dichlorobenzene	146	Compound Not Detected.					
	96 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
	97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	98 Hexachlorobutadiene	225	Compound Not Detected.					
	99 Naphthalene	128	Compound Not Detected.					
	100 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
	156 Methyl Acetate	43	Compound Not Detected.					
	157 Cyclohexane	56	Compound Not Detected.					
	158 Methyl Cyclohexane	83	Compound Not Detected.					
	160 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
	168 3-Chlorobenzotrifluoride	180	Compound Not Detected.					
	169 4-Chlorobenzotrifluoride	180	Compound Not Detected.					
	170 2-Chlorobenzotrifluoride	180	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ng)
171 3-Chlorotoluene	126	Compound Not Detected.					
172 3,4-Dichlorobenzotrifluoride	214	Compound Not Detected.					
173 2,4-Dichlorobenzotrifluoride	214	Compound Not Detected.					
174 2,5-Dichlorobenzotrifluoride	214	Compound Not Detected.					
175 Dichlorotoluene(2,4/2,5/2,6)	125	Compound Not Detected.					
176 Dichlorotoluene(2,3/3,4)	125	Compound Not Detected.					
177 2,4,5-Trichlorotoluene	159	Compound Not Detected.					
178 2,3,6-Trichlorotoluene	159	Compound Not Detected.					
52 1,4-Dioxane	88	Compound Not Detected.					

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6100112d.b\61001014.D
Lab Smp Id: 180-14634-G-9 Client Smp ID: MW-110
Inj Date : 01-OCT-2012 14:16
Operator : 001562 Inst ID: hp6.i
Smp Info : 180-14634-G-9
Misc Info : 180-14634-G-9
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6100112d.b\T8260bllw.m
Meth Date : 02-Oct-2012 15:43 lipayj Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 64
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-dwh2od.sub
Target Version: 4.14
Processing Host: PITPC-002

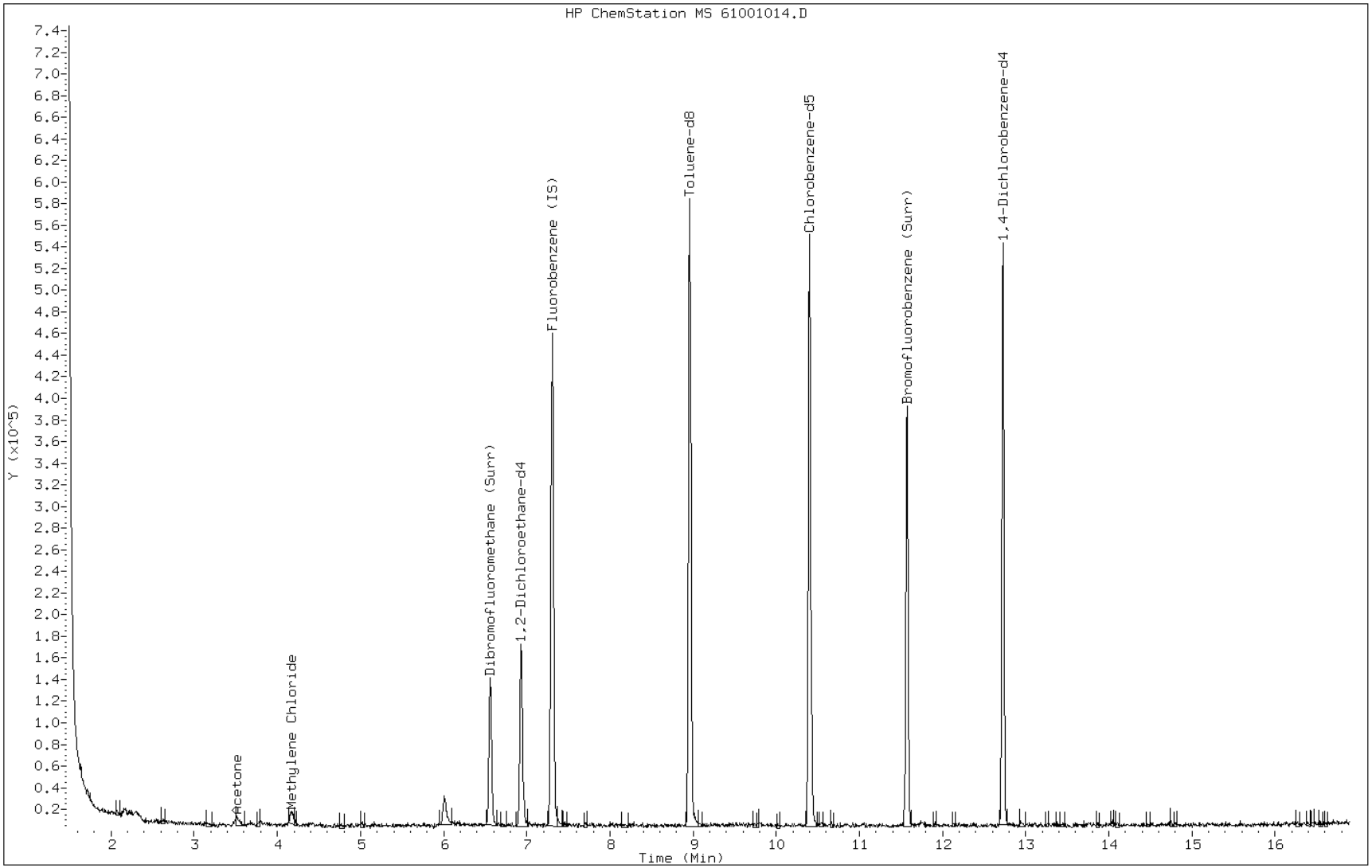
- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: 61001014.D

Date: 01-OCT-2012 14:16

Client ID: MW-110 Instrument: hp6.i

Sample Info: 180-14634-G-9 Operator: 001562



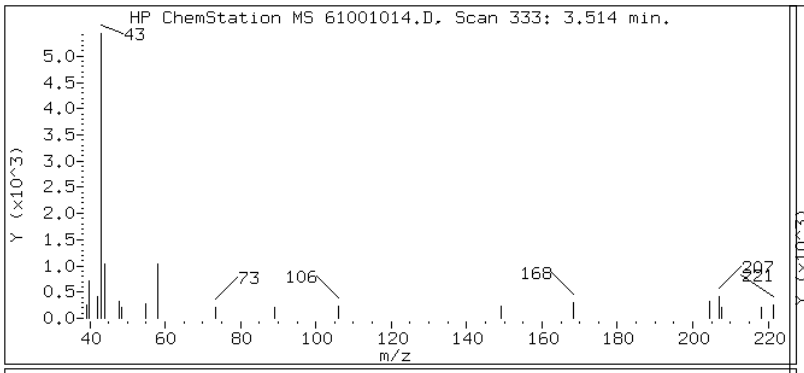
Data File: 61001014.D

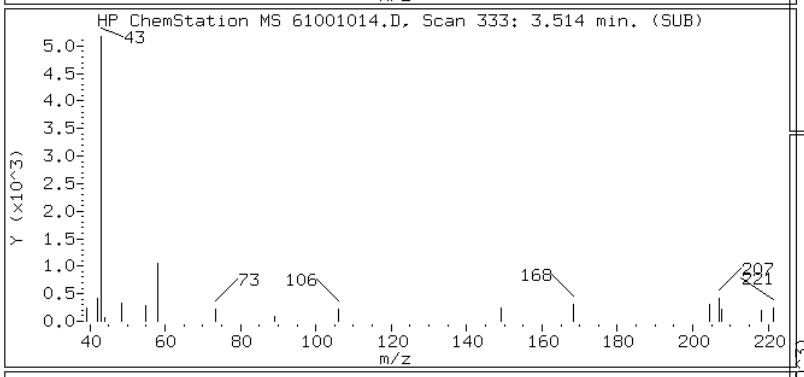
Date: 01-OCT-2012 14:16

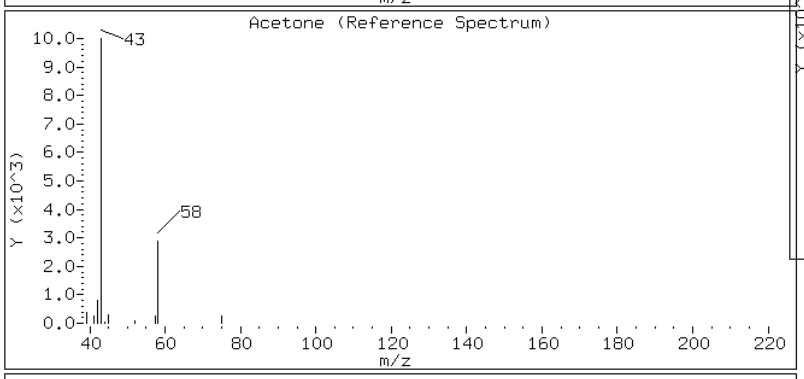
Client ID: MW-110 Instrument: hp6.i

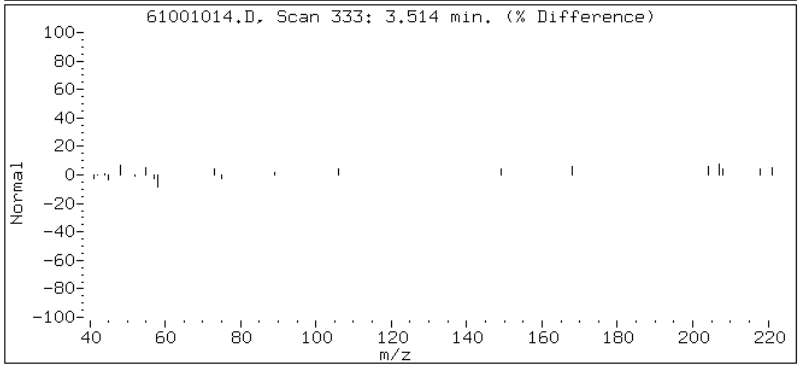
Sample Info: 180-14634-G-9 Operator: 001562

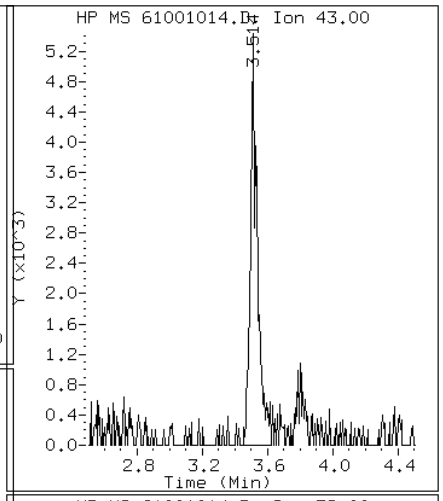
13 Acetone

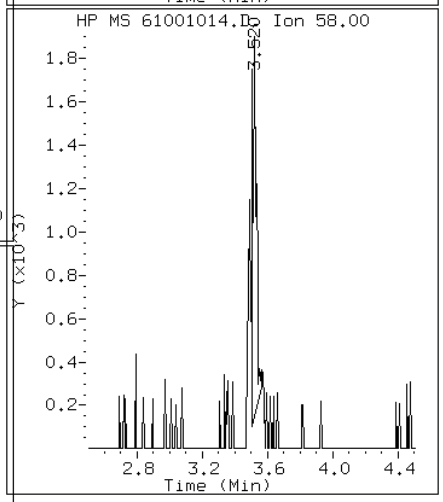












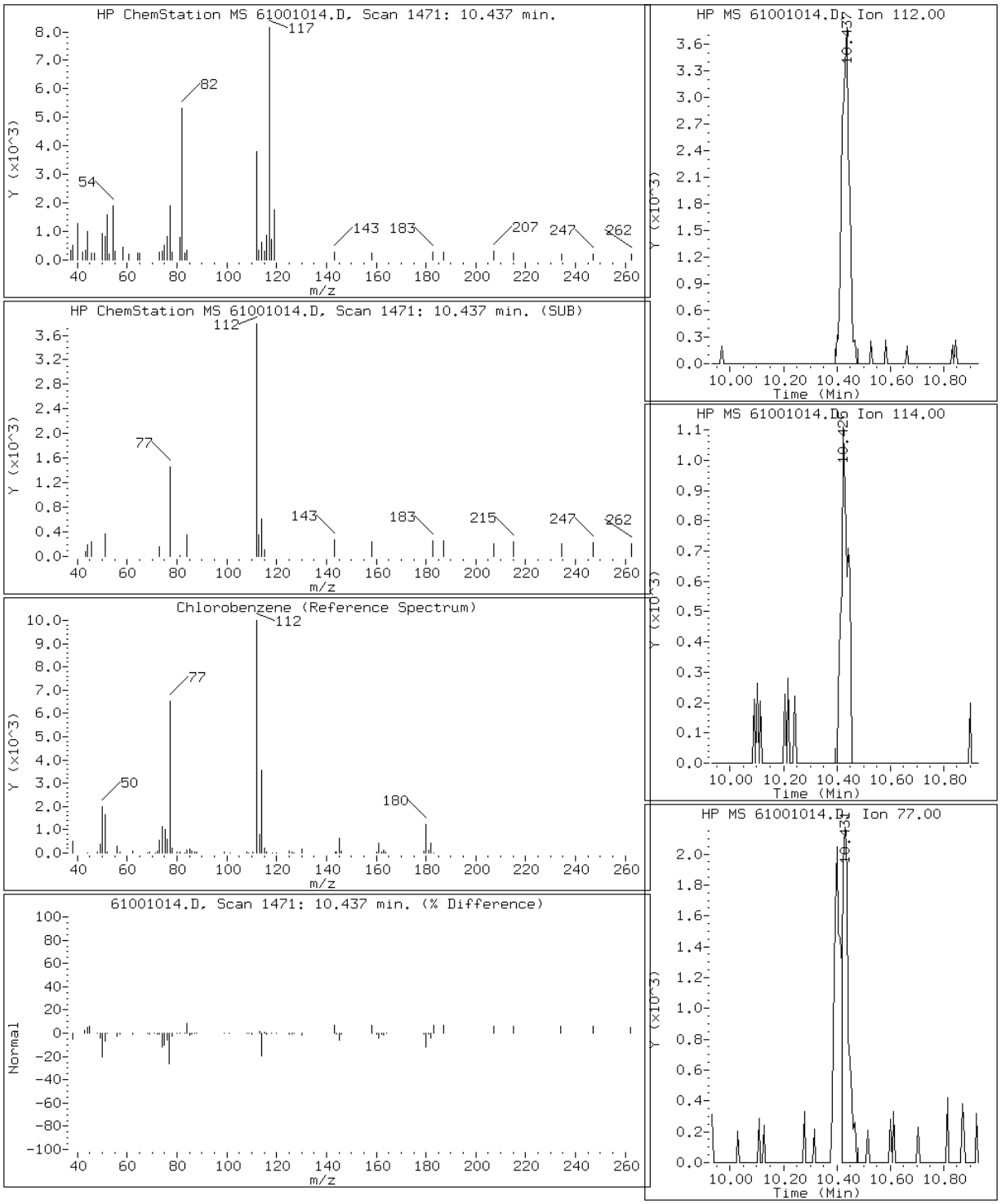
Data File: 61001014.D

Date: 01-OCT-2012 14:16

Client ID: MW-110 Instrument: hp6.i

Sample Info: 180-14634-G-9 Operator: 001562

70 Chlorobenzene



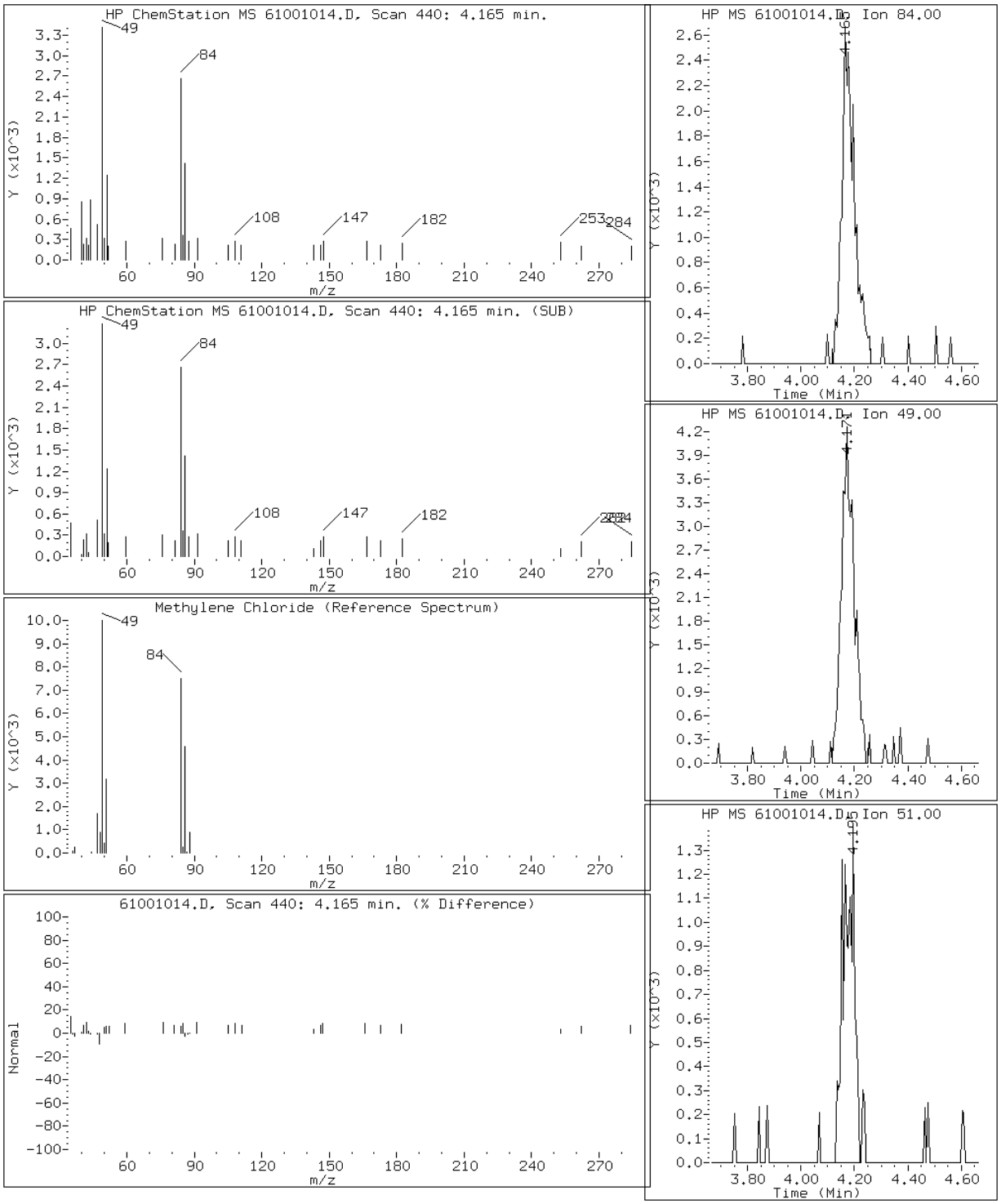
Data File: 61001014.D

Date: 01-OCT-2012 14:16

Client ID: MW-110 Instrument: hp6.i

Sample Info: 180-14634-G-9 Operator: 001562

18 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: TMP-1 | Lab Sample ID: 180-14634-10

Matrix: Water | Lab File ID: 60928018.D

Analysis Method: 8260B | Date Collected: 09/19/2012 12:05

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2012 16:52

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 50119 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	11		5.0	2.5
71-43-2	Benzene	ND		1.0	0.11
75-27-4	Bromodichloromethane	ND		1.0	0.13
75-25-2	Bromoform	ND		1.0	0.19
74-83-9	Bromomethane	ND		1.0	0.31
78-93-3	2-Butanone (MEK)	ND		5.0	0.55
75-15-0	Carbon disulfide	0.85	J B	1.0	0.21
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	ND		1.0	0.14
75-00-3	Chloroethane	ND		1.0	0.21
67-66-3	Chloroform	ND		1.0	0.17
124-48-1	Dibromochloromethane	ND		1.0	0.14
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.14
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.18
75-34-3	1,1-Dichloroethane	ND		1.0	0.12
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	0.21	J	1.0	0.17
78-87-5	1,2-Dichloropropane	ND		1.0	0.095
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.15
100-41-4	Ethylbenzene	ND		1.0	0.23
591-78-6	2-Hexanone	ND		5.0	0.16
75-09-2	Methylene Chloride	0.29	J	1.0	0.15
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53
100-42-5	Styrene	ND		1.0	0.097
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		1.0	0.15
108-88-3	Toluene	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.29
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.20
79-01-6	Trichloroethene	1.8		1.0	0.14
75-69-4	Trichlorofluoromethane	ND		1.0	0.20
75-01-4	Vinyl chloride	ND		1.0	0.23
1330-20-7	Xylenes, Total	ND		3.0	0.49
110-82-7	Cyclohexane	ND		1.0	0.25

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: TMP-1 | Lab Sample ID: 180-14634-10

Matrix: Water | Lab File ID: 60928018.D

Analysis Method: 8260B | Date Collected: 09/19/2012 12:05

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2012 16:52

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 50119 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	2.2		1.0	0.24
75-71-8	Dichlorodifluoromethane	ND		1.0	0.19
98-82-8	Isopropylbenzene	ND		1.0	0.16
79-20-9	Methyl acetate	ND		1.0	0.14
108-87-2	Methylcyclohexane	ND		1.0	0.26
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.18
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.15
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.11
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.21
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.27
74-87-3	Chloromethane	ND		1.0	0.28
123-91-1	1,4-Dioxane	ND		200	34

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	116		64-135
2037-26-5	Toluene-d8 (Surr)	87		71-118
460-00-4	4-Bromofluorobenzene (Surr)	86		70-118
1868-53-7	Dibromofluoromethane (Surr)	100		70-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Client Sample ID: TMP-1 Lab Sample ID: 180-14634-10

Matrix: Water Lab File ID: 60928018.D

Analysis Method: 8260B Date Collected: 09/19/2012 12:05

Sample wt/vol: 5(mL) Date Analyzed: 09/28/2012 16:52

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 50119 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

FORM I-TIC 8260B

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6092812d.b\60928018.D
Lab Smp Id: 180-14634-A-10 Client Smp ID: TMP-1
Inj Date : 28-SEP-2012 16:52
Operator : 001562 Inst ID: hp6.i
Smp Info : 180-14634-A-10
Misc Info : 180-14634-A-10
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6092812d.b\T8260bllw.m
Meth Date : 28-Sep-2012 18:07 lipayj Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 68
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-634.sub
Target Version: 4.14
Processing Host: PITPC-530

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 46 Fluorobenzene (IS)	96	7.305	7.305	(1.000)	531502	50.0000	
* 69 Chlorobenzene-d5	119	10.401	10.402	(1.000)	124652	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.725	12.726	(1.000)	172561	50.0000	(Q)
$ 39 Dibromofluoromethane (Surr)	113	6.562	6.563	(0.898)	107061	49.9617	49.96
$ 43 1,2-Dichloroethane-d4	65	6.934	6.934	(0.949)	138392	57.9495	57.95
$ 59 Toluene-d8	98	8.959	8.960	(0.861)	490393	43.4135	43.41
$ 80 Bromofluorobenzene (Surr)	95	11.575	11.570	(1.113)	155712	43.1613	43.16
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
10 1,1,2-trichloro-1,2,2-trifluor	101	Compound Not Detected.					
12 1,1-Dichloroethene	96	Compound Not Detected.					
15 Carbon Disulfide	76	3.691	3.680	(0.505)	28109	4.24692	4.247
13 Acetone	43	3.521	3.515	(0.482)	36640	52.7249	52.72
18 Methylene Chloride	84	4.178	4.172	(0.572)	11542	1.42563	1.426(M)
19 trans-1,2-Dichloroethene	96	4.604	4.592	(0.630)	3038	1.05559	1.056(Q)
20 Methyl tert-butyl ether	73	Compound Not Detected.					
24 1,1-Dichloroethane	63	Compound Not Detected.					
28 cis-1,2-dichloroethene	96	5.966	5.967	(0.817)	35323	11.1582	11.16
M 29 1,2-Dichloroethene (total)	96				38361	12.2138	12.21
31 2-Butanone	43	Compound Not Detected.					
37 Chloroform	83	Compound Not Detected.					
38 1,1,1-Trichloroethane	97	Compound Not Detected.					
40 1,1-Dichloropropene	75	Compound Not Detected.					
41 Carbon Tetrachloride	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ng)
	42 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	47 Trichloroethene	130	7.700	7.701	(1.054)	27201	9.20326	9.203
	49 1,2-Dichloropropane	63	Compound Not Detected.					
	53 Bromodichloromethane	83	Compound Not Detected.					
	57 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	58 4-Methyl-2-Pentanone	43	Compound Not Detected.					
	60 Toluene	91	Compound Not Detected.					
	61 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	63 1,3-Dichloropropane	76	Compound Not Detected.					
	64 1,1,2-Trichloroethane	97	Compound Not Detected.					
	65 Tetrachloroethene	164	Compound Not Detected.					
	66 2-Hexanone	43	Compound Not Detected.					
	67 Dibromochloromethane	129	Compound Not Detected.					
	68 1,2-Dibromoethane	107	Compound Not Detected.					
	70 Chlorobenzene	112	Compound Not Detected.					
	72 Ethylbenzene	106	Compound Not Detected.					
	73 m + p-Xylene	106	Compound Not Detected.					
	74 Xylene-o	106	Compound Not Detected.					
M	75 Xylenes (total)	106	Compound Not Detected.					
	76 Styrene	104	Compound Not Detected.					
	77 Bromoform	173	Compound Not Detected.					
	78 Isopropylbenzene	105	Compound Not Detected.					
	83 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	91 1,3-Dichlorobenzene	146	Compound Not Detected.					
	93 1,4-Dichlorobenzene	146	Compound Not Detected.					
	95 1,2-Dichlorobenzene	146	Compound Not Detected.					
	96 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
	97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	156 Methyl Acetate	43	Compound Not Detected.					
	157 Cyclohexane	56	Compound Not Detected.					
	158 Methyl Cyclohexane	83	Compound Not Detected.					
	52 1,4-Dioxane	88	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6092812d.b\60928018.D
Lab Smp Id: 180-14634-A-10 Client Smp ID: TMP-1
Inj Date : 28-SEP-2012 16:52
Operator : 001562 Inst ID: hp6.i
Smp Info : 180-14634-A-10
Misc Info : 180-14634-A-10
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6092812d.b\T8260bllw.m
Meth Date : 28-Sep-2012 18:07 lipayj Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 68
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-634.sub
Target Version: 4.14
Processing Host: PITPC-530

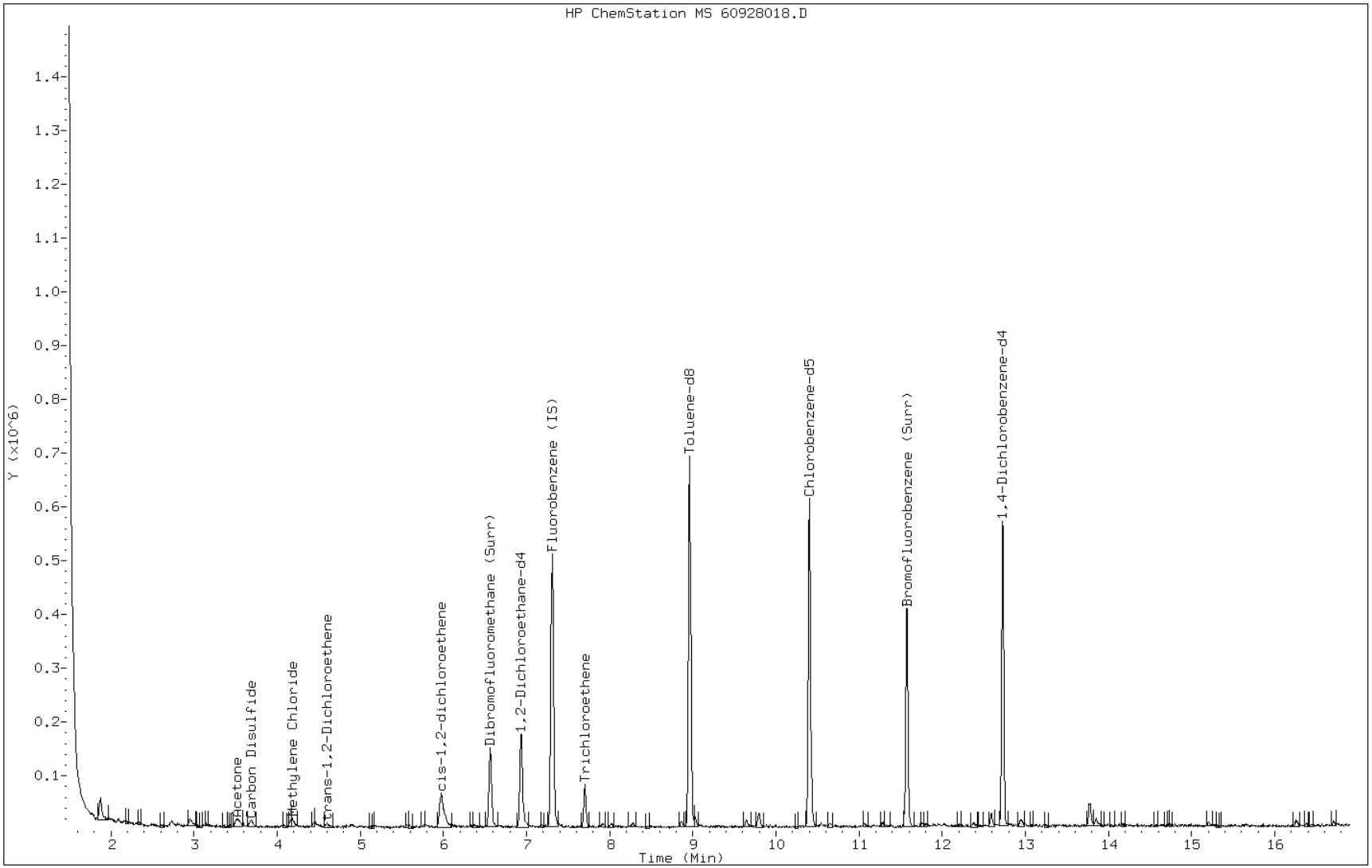
- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: 60928018.D

Date: 28-SEP-2012 16:52

Client ID: TMP-1 Instrument: hp6.i

Sample Info: 180-14634-A-10 Operator: 001562



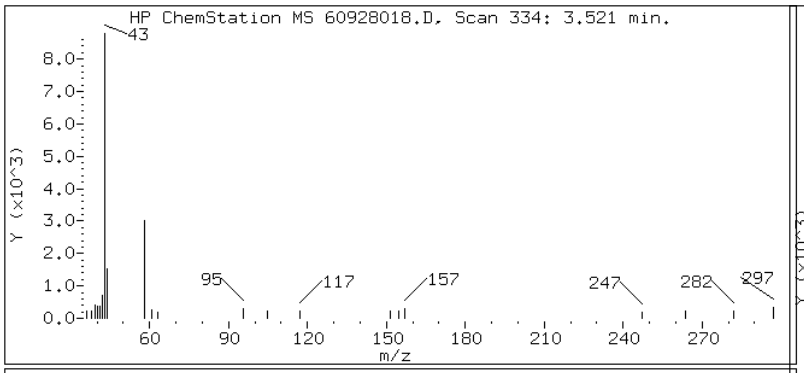
Data File: 60928018.D

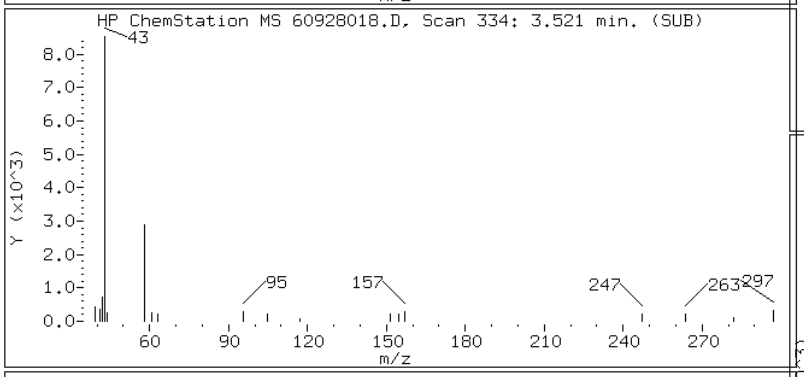
Date: 28-SEP-2012 16:52

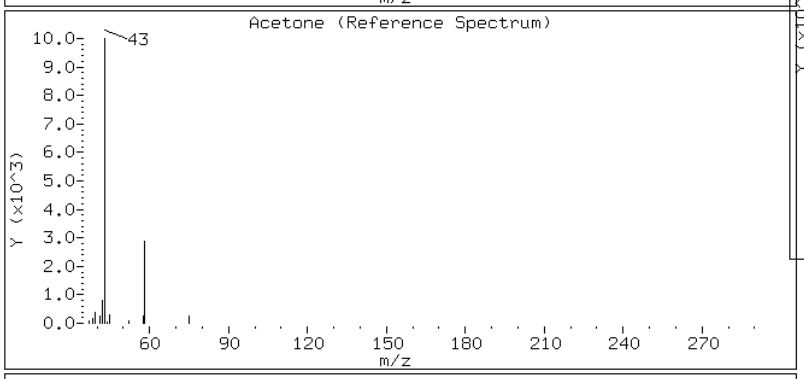
Client ID: TMP-1 Instrument: hp6.i

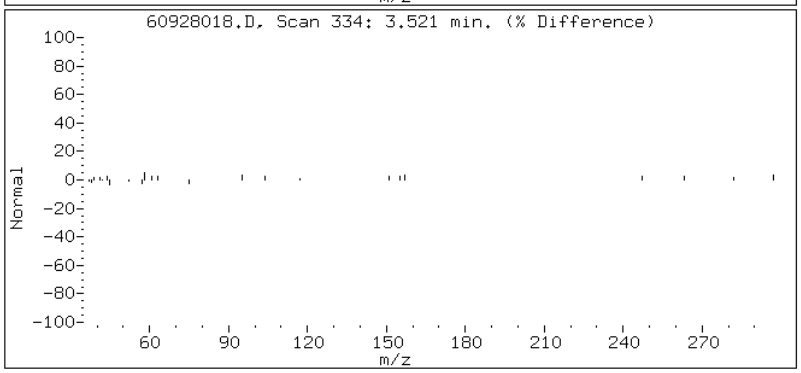
Sample Info: 180-14634-A-10 Operator: 001562

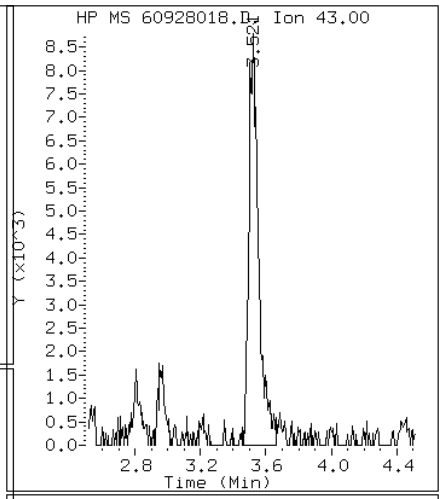
13 Acetone

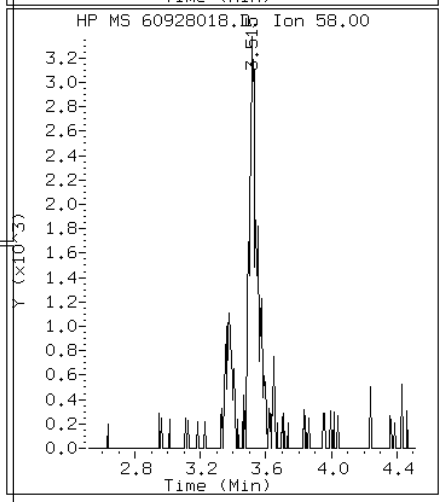












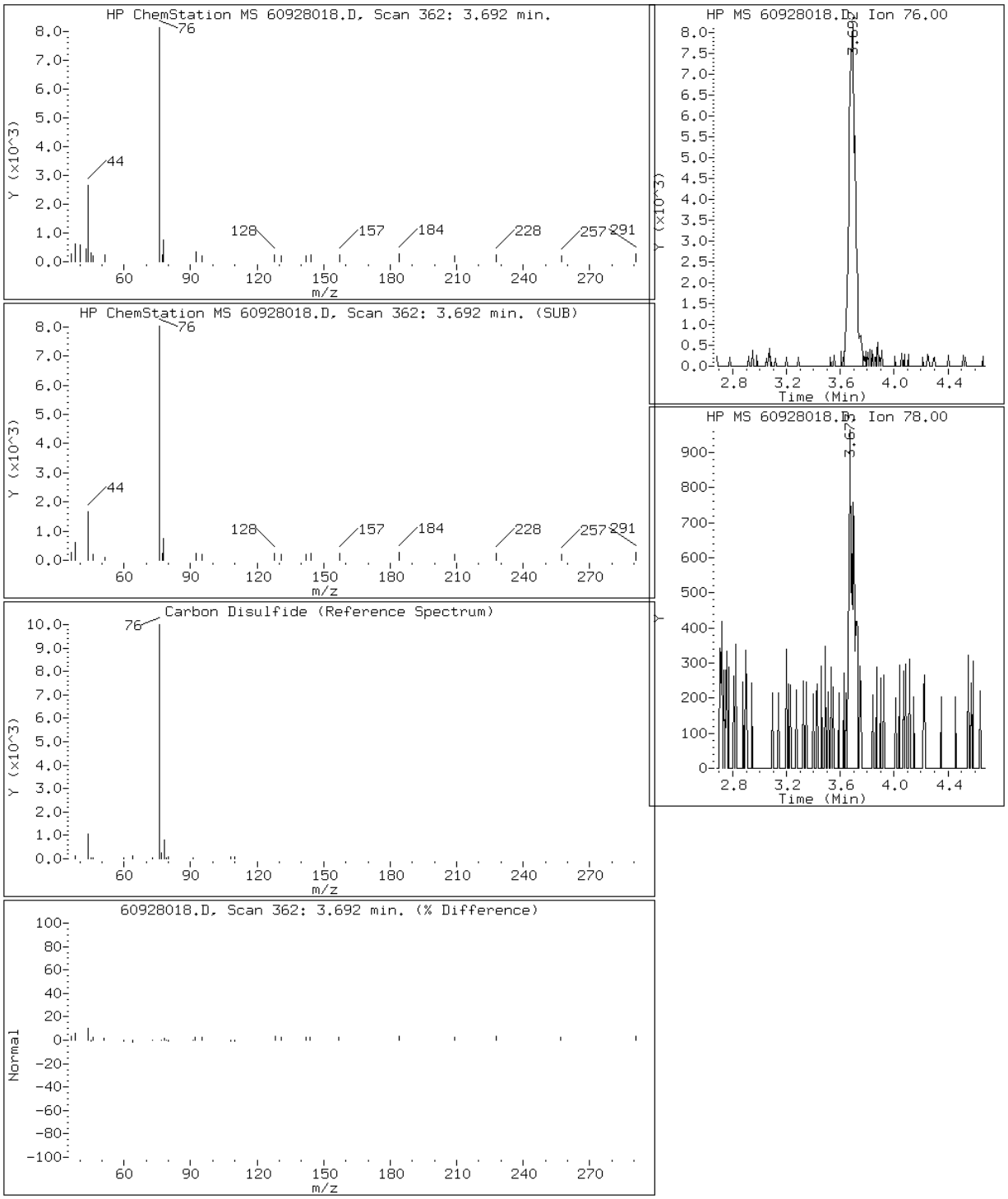
Data File: 60928018.D

Date: 28-SEP-2012 16:52

Client ID: TMP-1 Instrument: hp6.i

Sample Info: 180-14634-A-10 Operator: 001562

15 Carbon Disulfide



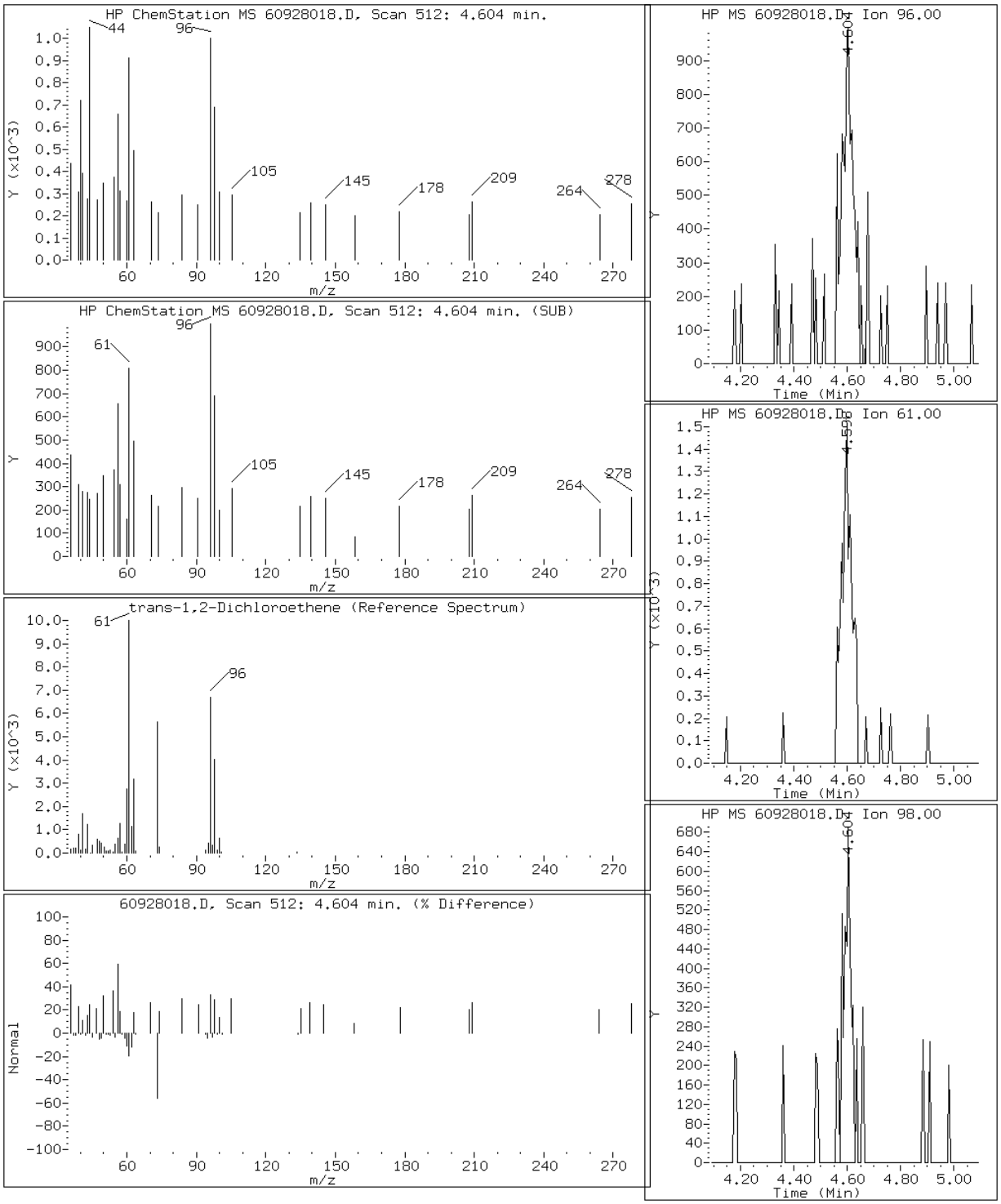
Data File: 60928018.D

Date: 28-SEP-2012 16:52

Client ID: TMP-1 Instrument: hp6.i

Sample Info: 180-14634-A-10 Operator: 001562

19 trans-1,2-Dichloroethene



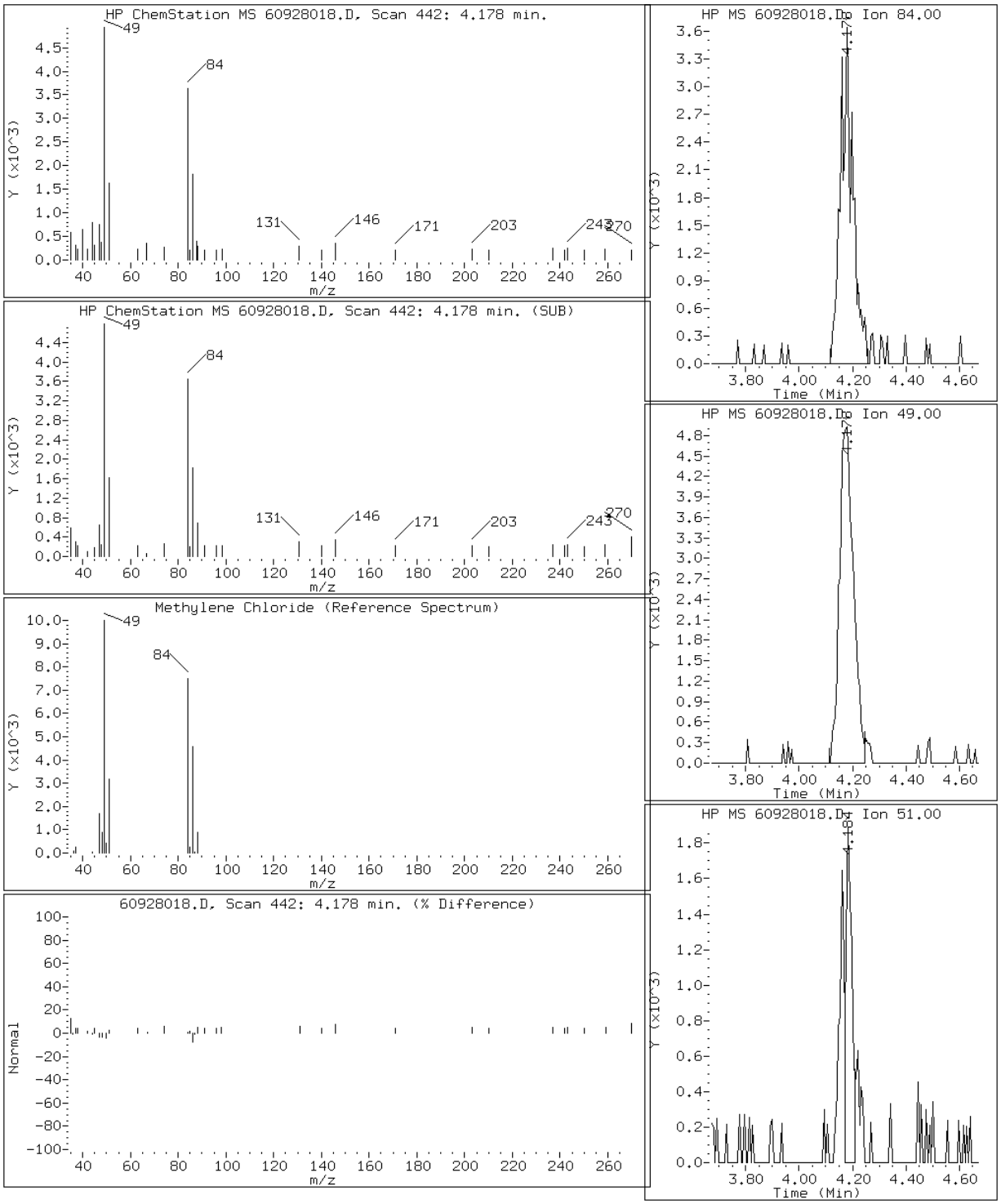
Data File: 60928018.D

Date: 28-SEP-2012 16:52

Client ID: TMP-1 Instrument: hp6.i

Sample Info: 180-14634-A-10 Operator: 001562

18 Methylene Chloride



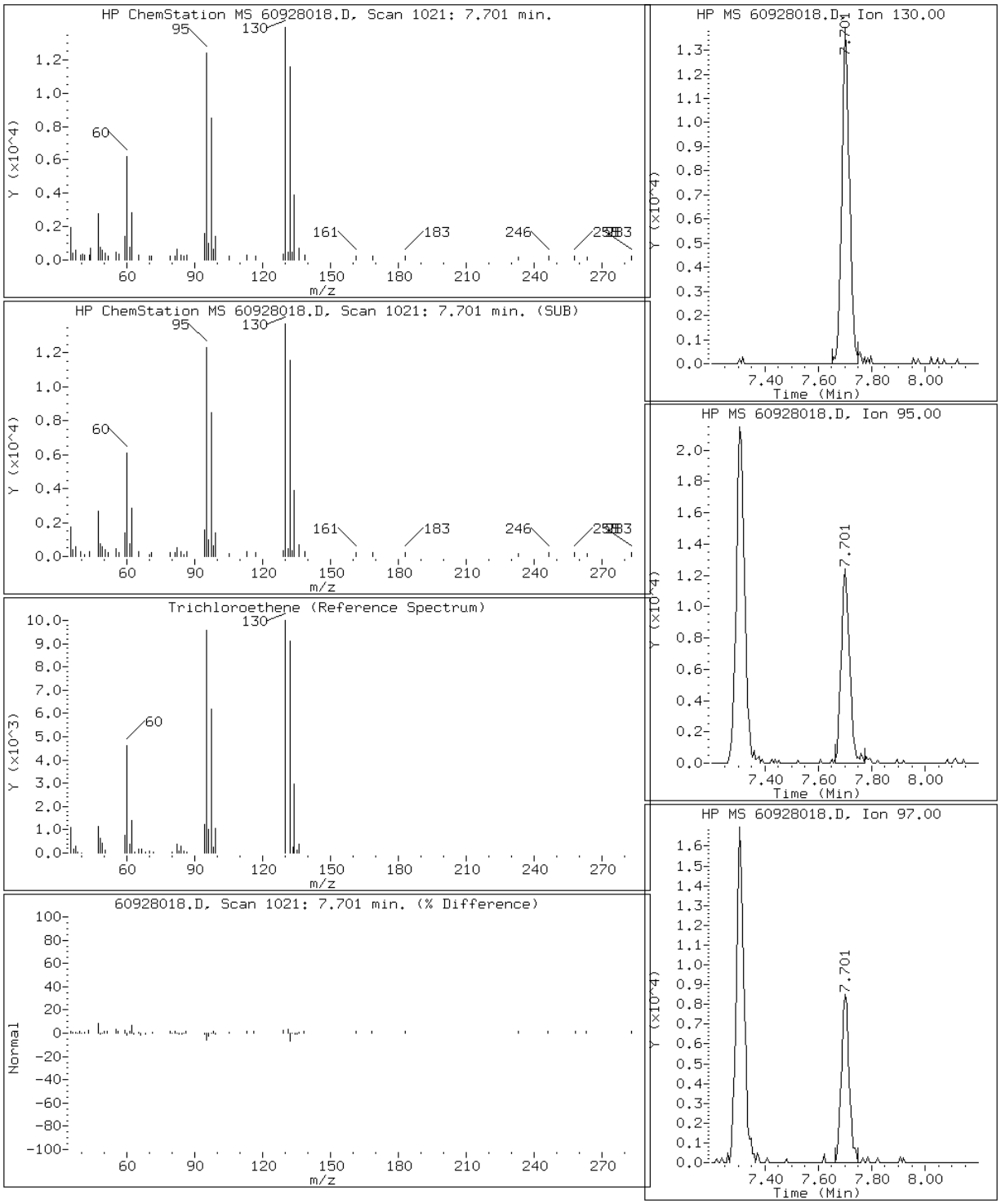
Data File: 60928018.D

Date: 28-SEP-2012 16:52

Client ID: TMP-1 Instrument: hp6.i

Sample Info: 180-14634-A-10 Operator: 001562

47 Trichloroethene



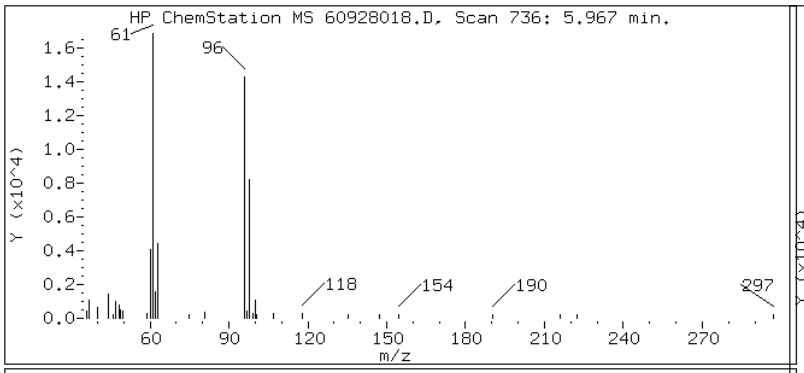
Data File: 60928018.D

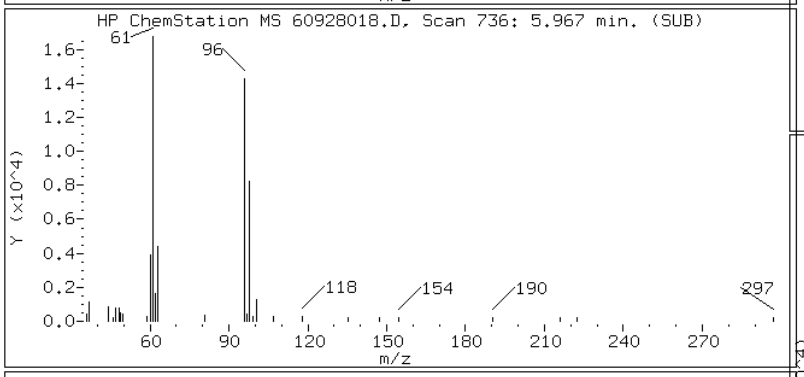
Date: 28-SEP-2012 16:52

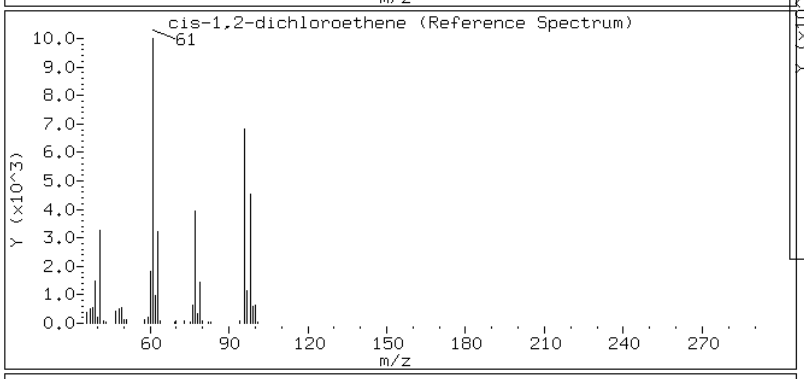
Client ID: TMP-1 Instrument: hp6.i

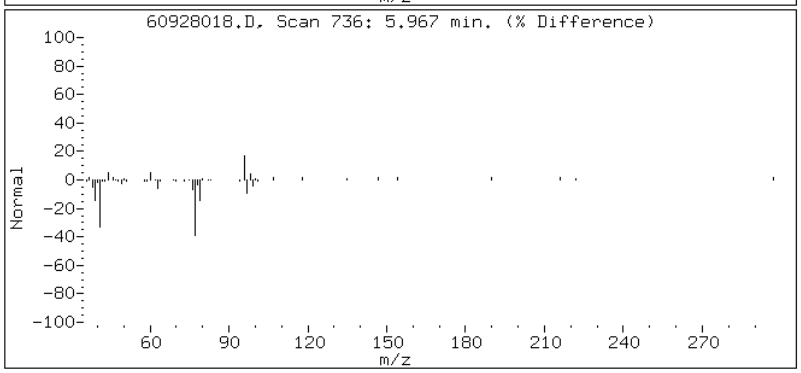
Sample Info: 180-14634-A-10 Operator: 001562

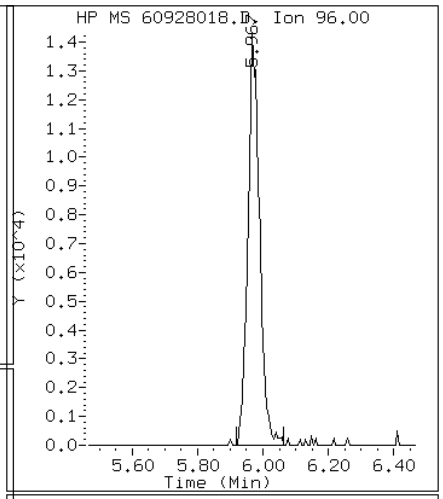
28 cis-1,2-dichloroethene

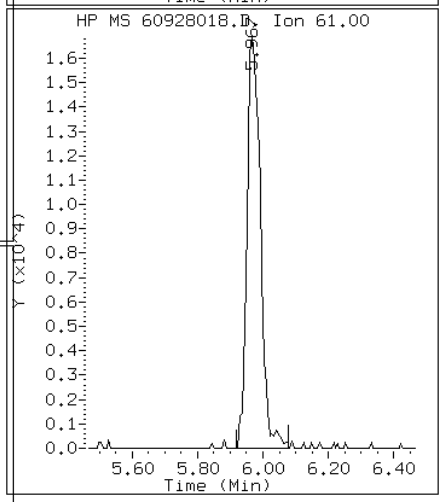












Manual Integration Report

Data File: 60928018.D
Inj. Date and Time: 28-SEP-2012 16:52
Instrument ID: hp6.i
Client ID: TMP-1
Compound: 18 Methylene Chloride
CAS #: 75-09-2
Report Date: 09/28/2012

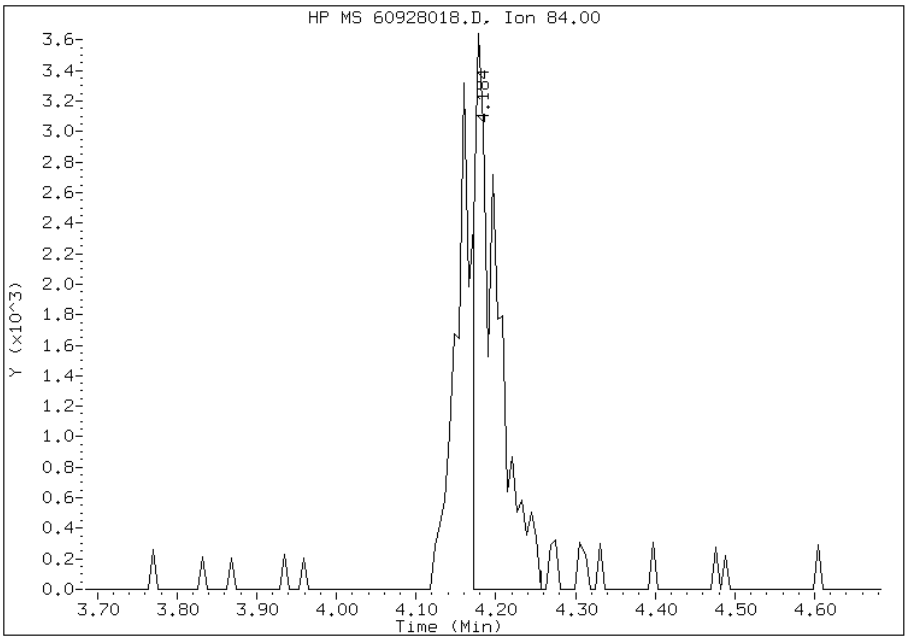
Processing Integration Results

RT: 4.18

Response: 7551

Amount: 0

Conc: 0



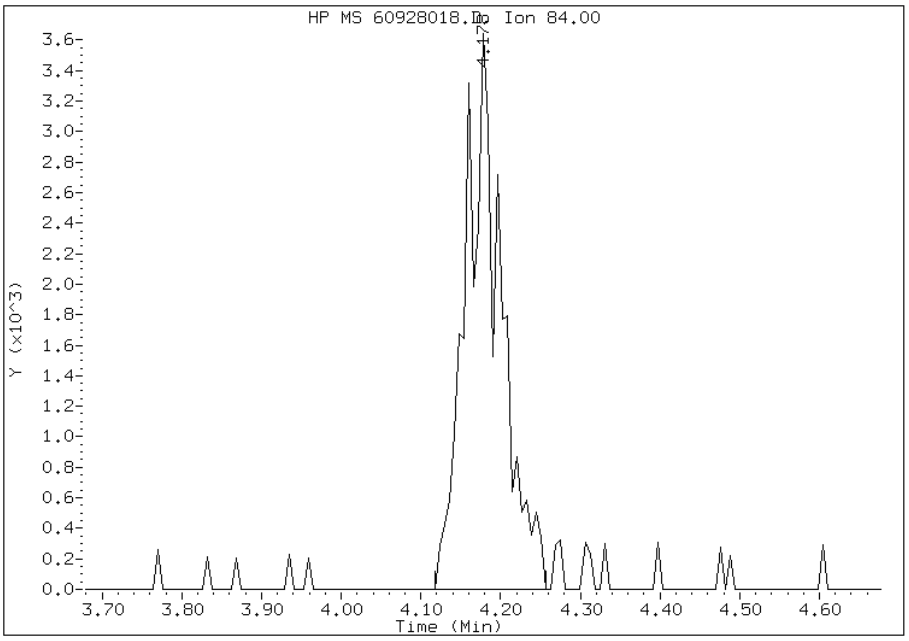
Manual Integration Results

RT: 4.18

Response: 11542

Amount: 1

Conc: 1



Manually Integrated By: lipayj
Modification Date: 28-Sep-2012 18:23
Manual Integration Reason: Peak Integrated Incorrectly

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: TMP-5 | Lab Sample ID: 180-14634-11

Matrix: Water | Lab File ID: 60928019.D

Analysis Method: 8260B | Date Collected: 09/19/2012 12:30

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2012 17:16

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 50119 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	ND		5.0	2.5
71-43-2	Benzene	ND		1.0	0.11
75-27-4	Bromodichloromethane	ND		1.0	0.13
75-25-2	Bromoform	ND		1.0	0.19
74-83-9	Bromomethane	ND		1.0	0.31
78-93-3	2-Butanone (MEK)	ND		5.0	0.55
75-15-0	Carbon disulfide	0.43	J B	1.0	0.21
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	ND		1.0	0.14
75-00-3	Chloroethane	ND		1.0	0.21
67-66-3	Chloroform	ND		1.0	0.17
124-48-1	Dibromochloromethane	ND		1.0	0.14
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.14
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.18
75-34-3	1,1-Dichloroethane	ND		1.0	0.12
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.17
78-87-5	1,2-Dichloropropane	ND		1.0	0.095
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.15
100-41-4	Ethylbenzene	ND		1.0	0.23
591-78-6	2-Hexanone	ND		5.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.15
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53
100-42-5	Styrene	ND		1.0	0.097
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		1.0	0.15
108-88-3	Toluene	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.29
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.14
75-69-4	Trichlorofluoromethane	ND		1.0	0.20
75-01-4	Vinyl chloride	ND		1.0	0.23
1330-20-7	Xylenes, Total	ND		3.0	0.49
110-82-7	Cyclohexane	ND		1.0	0.25

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: TMP-5 | Lab Sample ID: 180-14634-11

Matrix: Water | Lab File ID: 60928019.D

Analysis Method: 8260B | Date Collected: 09/19/2012 12:30

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2012 17:16

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 50119 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.24
75-71-8	Dichlorodifluoromethane	ND		1.0	0.19
98-82-8	Isopropylbenzene	ND		1.0	0.16
79-20-9	Methyl acetate	ND		1.0	0.14
108-87-2	Methylcyclohexane	ND		1.0	0.26
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.18
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.15
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.11
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.21
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.27
74-87-3	Chloromethane	ND		1.0	0.28
123-91-1	1,4-Dioxane	ND		200	34

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	116		64-135
2037-26-5	Toluene-d8 (Surr)	90		71-118
460-00-4	4-Bromofluorobenzene (Surr)	92		70-118
1868-53-7	Dibromofluoromethane (Surr)	100		70-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Client Sample ID: TMP-5 Lab Sample ID: 180-14634-11

Matrix: Water Lab File ID: 60928019.D

Analysis Method: 8260B Date Collected: 09/19/2012 12:30

Sample wt/vol: 5(mL) Date Analyzed: 09/28/2012 17:16

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 50119 Units: ug/L

Number TICs Found: 2 TIC Result Total: 2.5

CAS NO.	COMPOUND NAME	RT	RESULT	Q
124-13-0	Octanal	12.59	1.2	T J N
	Unknown	13.77	1.3	T J

FORM I-TIC 8260B

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6092812d.b\60928019.D
Lab Smp Id: 180-14634-E-11 Client Smp ID: TMP-5
Inj Date : 28-SEP-2012 17:16
Operator : 001562 Inst ID: hp6.i
Smp Info : 180-14634-E-11
Misc Info : 180-14634-E-11
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6092812d.b\T8260bllw.m
Meth Date : 28-Sep-2012 18:07 lipayj Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 69
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-634.sub
Target Version: 4.14
Processing Host: PITPC-530

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 46 Fluorobenzene (IS)	96	7.309	7.305	(1.000)	538171	50.0000	
* 69 Chlorobenzene-d5	119	10.400	10.402	(1.000)	121292	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.730	12.726	(1.000)	172874	50.0000	
$ 39 Dibromofluoromethane (Surr)	113	6.561	6.563	(0.898)	108529	50.0192	50.02
$ 43 1,2-Dichloroethane-d4	65	6.932	6.934	(0.948)	139675	57.7620	57.76
$ 59 Toluene-d8	98	8.958	8.960	(0.861)	494650	45.0034	45.00
$ 80 Bromofluorobenzene (Surr)	95	11.568	11.570	(1.112)	162316	46.2382	46.24
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
10 1,1,2-trichloro-1,2,2-trifluor	101	Compound Not Detected.					
12 1,1-Dichloroethene	96	Compound Not Detected.					
15 Carbon Disulfide	76	3.684	3.680	(0.504)	14296	2.13318	2.133
13 Acetone	43	Compound Not Detected.					
18 Methylene Chloride	84	Compound Not Detected.					
19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
20 Methyl tert-butyl ether	73	Compound Not Detected.					
24 1,1-Dichloroethane	63	Compound Not Detected.					
28 cis-1,2-dichloroethene	96	Compound Not Detected.					
M 29 1,2-Dichloroethene (total)	96	Compound Not Detected.					
31 2-Butanone	43	Compound Not Detected.					
37 Chloroform	83	Compound Not Detected.					
38 1,1,1-Trichloroethane	97	Compound Not Detected.					
40 1,1-Dichloropropene	75	Compound Not Detected.					
41 Carbon Tetrachloride	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ng)
42	Benzene	78	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
47	Trichloroethene	130	Compound Not Detected.					
49	1,2-Dichloropropane	63	Compound Not Detected.					
53	Bromodichloromethane	83	Compound Not Detected.					
57	cis-1,3-Dichloropropene	75	Compound Not Detected.					
58	4-Methyl-2-Pentanone	43	Compound Not Detected.					
60	Toluene	91	Compound Not Detected.					
61	trans-1,3-Dichloropropene	75	Compound Not Detected.					
63	1,3-Dichloropropane	76	Compound Not Detected.					
64	1,1,2-Trichloroethane	97	Compound Not Detected.					
65	Tetrachloroethene	164	Compound Not Detected.					
66	2-Hexanone	43	Compound Not Detected.					
67	Dibromochloromethane	129	Compound Not Detected.					
68	1,2-Dibromoethane	107	Compound Not Detected.					
70	Chlorobenzene	112	Compound Not Detected.					
72	Ethylbenzene	106	Compound Not Detected.					
73	m + p-Xylene	106	Compound Not Detected.					
74	Xylene-o	106	Compound Not Detected.					
M 75	Xylenes (total)	106	Compound Not Detected.					
76	Styrene	104	Compound Not Detected.					
77	Bromoform	173	Compound Not Detected.					
78	Isopropylbenzene	105	Compound Not Detected.					
83	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91	1,3-Dichlorobenzene	146	Compound Not Detected.					
93	1,4-Dichlorobenzene	146	Compound Not Detected.					
95	1,2-Dichlorobenzene	146	Compound Not Detected.					
96	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
97	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
156	Methyl Acetate	43	Compound Not Detected.					
157	Cyclohexane	56	Compound Not Detected.					
158	Methyl Cyclohexane	83	Compound Not Detected.					
52	1,4-Dioxane	88	Compound Not Detected.					

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6092812d.b\60928019.D
Lab Smp Id: 180-14634-E-11 Client Smp ID: TMP-5
Inj Date : 28-SEP-2012 17:16
Operator : 001562 Inst ID: hp6.i
Smp Info : 180-14634-E-11
Misc Info : 180-14634-E-11
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6092812d.b\T8260bllw.m
Meth Date : 28-Sep-2012 18:07 lipayj Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 69
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-634.sub
Target Version: 4.14
Processing Host: PITPC-530

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 92 1,4-Dichlorobenzene-d4	12.730	1064677	50.000

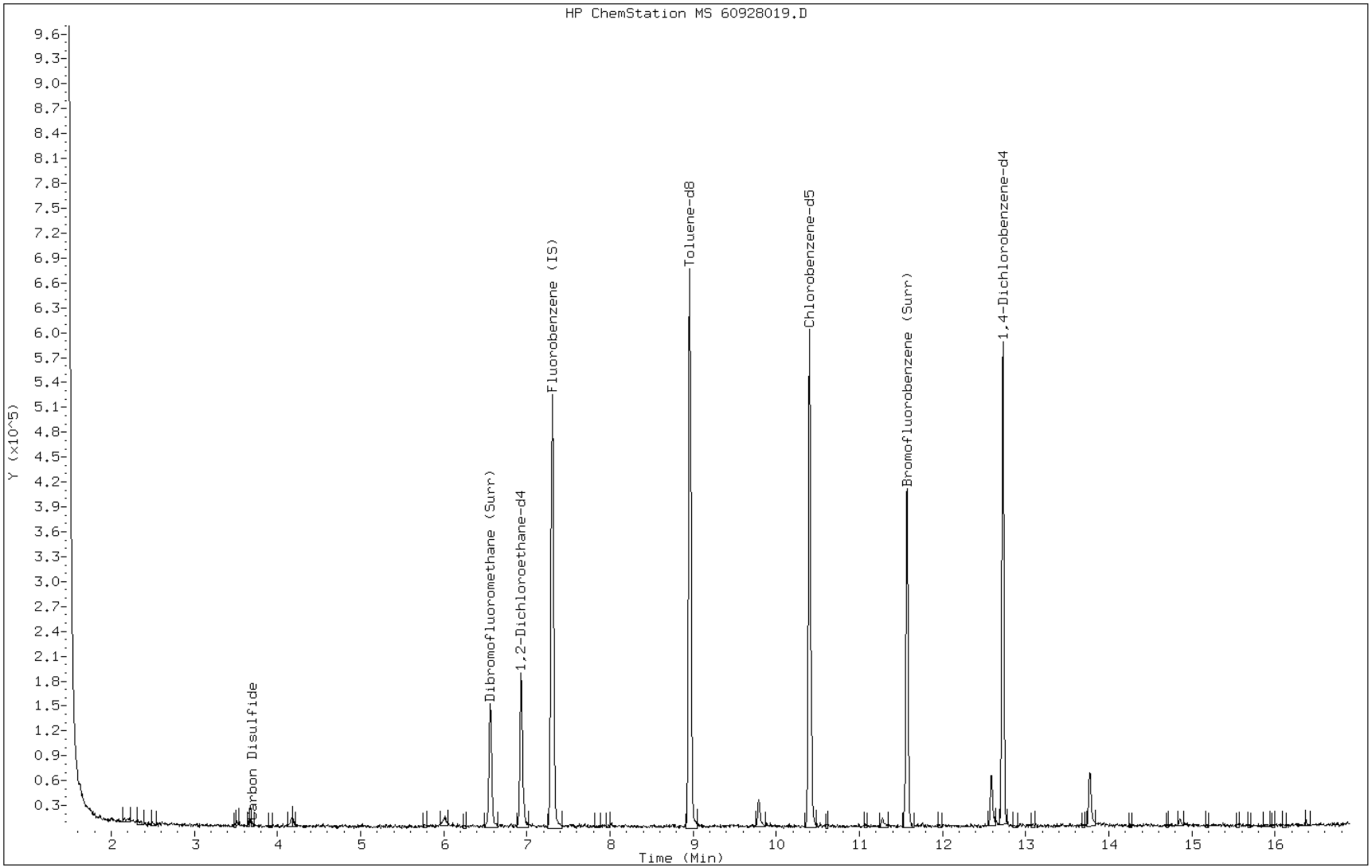
RT	AREA	CONCENTRATIONS ON-COL(ng)	FINAL(ng)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Octanal				CAS #: 124-13-0			
12.590	132219	6.20936644	6.209	91	Nist98.l	109250	92
Unknown				CAS #:			
13.771	135845	6.37961377	6.380	0		0	92

Data File: 60928019.D

Date: 28-SEP-2012 17:16

Client ID: TMP-5 Instrument: hp6.i

Sample Info: 180-14634-E-11 Operator: 001562



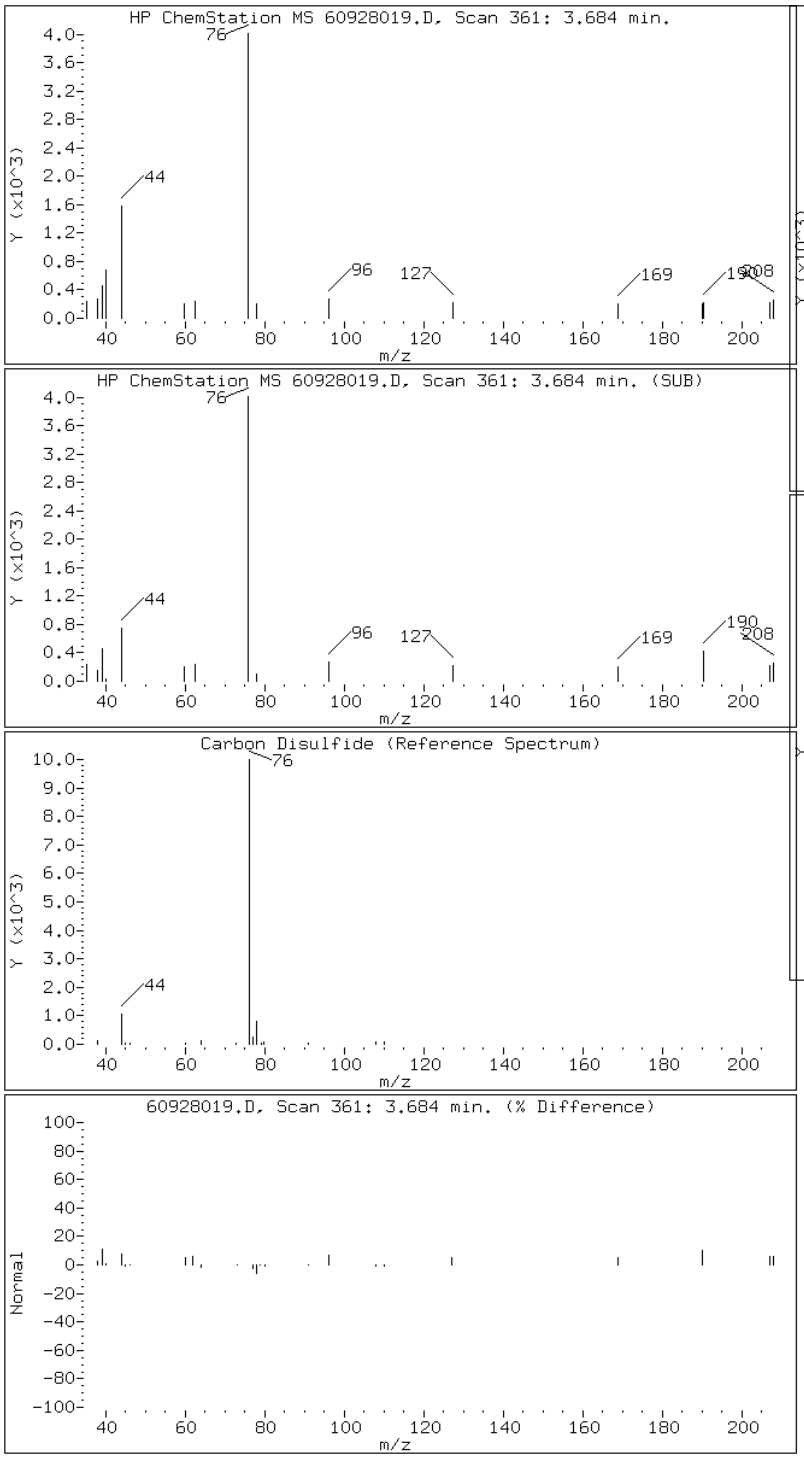
Data File: 60928019.D

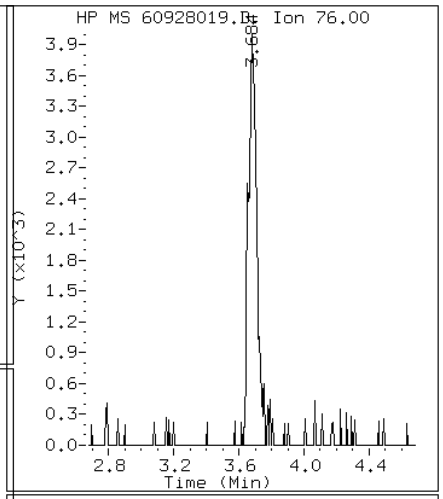
Date: 28-SEP-2012 17:16

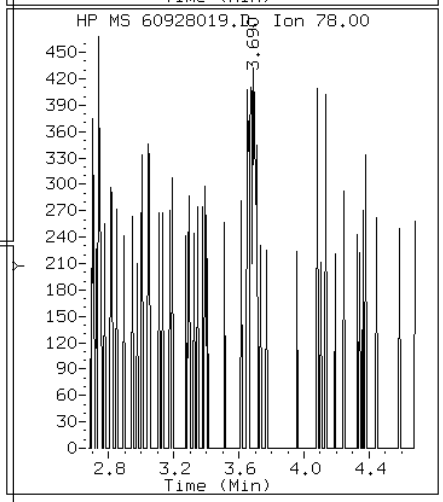
Client ID: TMP-5 Instrument: hp6.i

Sample Info: 180-14634-E-11 Operator: 001562

15 Carbon Disulfide







Data File: 60928019.D

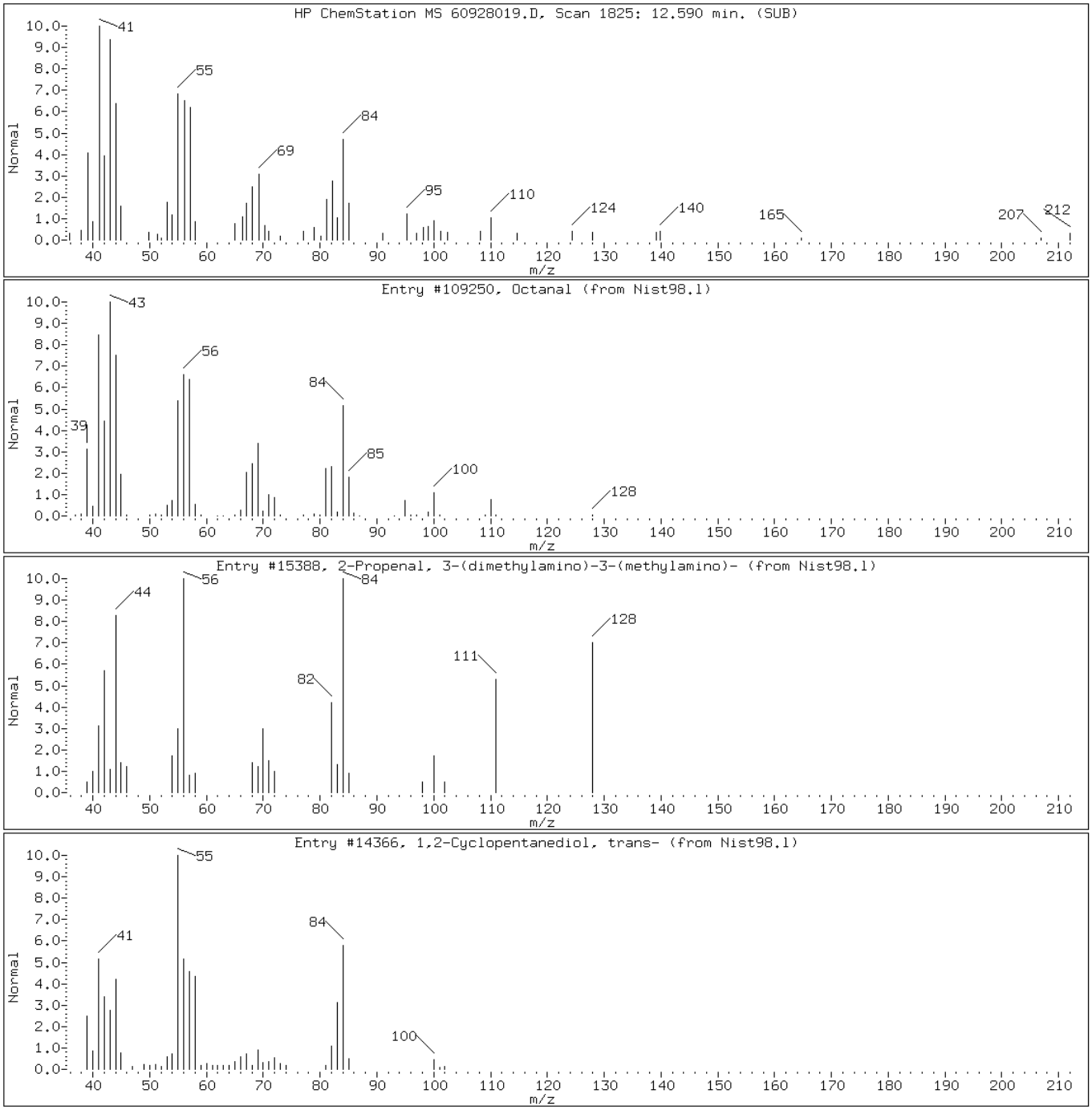
Date: 28-SEP-2012 17:16

Client ID: TMP-5 Instrument: hp6.i

Sample Info: 180-14634-E-11 Operator: 001562

Retention Time: 12.59

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Octanal	124-13-0	Nist98.l	109250	91	C8H16O	128
2-Propenal, 3-(dimethylamino)-3-(m	49582-51-6	Nist98.l	15388	59	C6H12N2O	128
1,2-Cyclopentanediol, trans-	5057-99-8	Nist98.l	14366	47	C5H10O2	102



Data File: 60928019.D

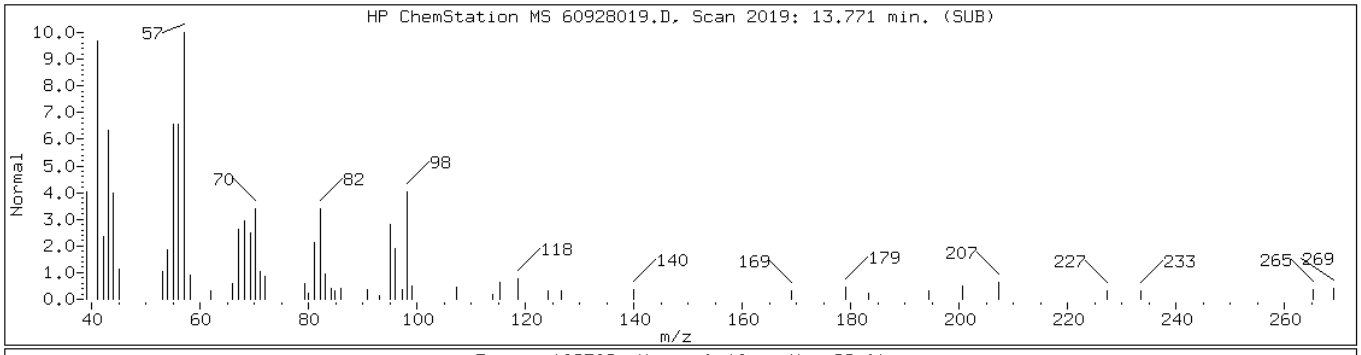
Date: 28-SEP-2012 17:16

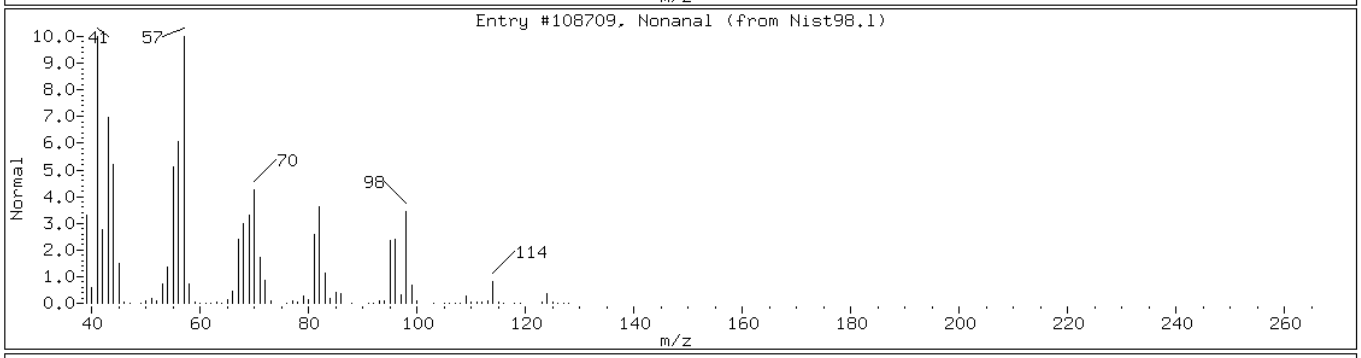
Client ID: TMP-5 Instrument: hp6.i

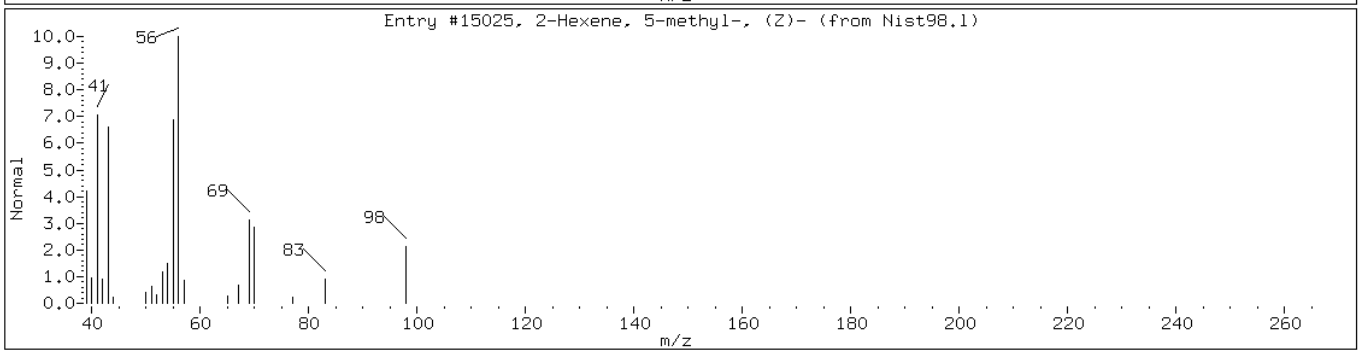
Sample Info: 180-14634-E-11 Operator: 001562

Retention Time: 13.77

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Nonanal	124-19-6	Nist98.l	108709	80	C9H18O	142
2-Hexene, 5-methyl-, (Z)-	13151-17-2	Nist98.l	15025	35	C7H14	98







FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: FB-2 | Lab Sample ID: 180-14634-12

Matrix: Water | Lab File ID: 60928013.D

Analysis Method: 8260B | Date Collected: 09/19/2012 11:30

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2012 14:51

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 50119 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	9.9		5.0	2.5
71-43-2	Benzene	ND		1.0	0.11
75-27-4	Bromodichloromethane	ND		1.0	0.13
75-25-2	Bromoform	ND		1.0	0.19
74-83-9	Bromomethane	ND		1.0	0.31
78-93-3	2-Butanone (MEK)	1.5	J	5.0	0.55
75-15-0	Carbon disulfide	0.47	J B	1.0	0.21
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	ND		1.0	0.14
75-00-3	Chloroethane	ND		1.0	0.21
67-66-3	Chloroform	ND		1.0	0.17
124-48-1	Dibromochloromethane	ND		1.0	0.14
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.14
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.18
75-34-3	1,1-Dichloroethane	ND		1.0	0.12
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.17
78-87-5	1,2-Dichloropropane	ND		1.0	0.095
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.15
100-41-4	Ethylbenzene	ND		1.0	0.23
591-78-6	2-Hexanone	ND		5.0	0.16
75-09-2	Methylene Chloride	0.26	J	1.0	0.15
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53
100-42-5	Styrene	ND		1.0	0.097
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		1.0	0.15
108-88-3	Toluene	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.29
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.14
75-69-4	Trichlorofluoromethane	ND		1.0	0.20
75-01-4	Vinyl chloride	ND		1.0	0.23
1330-20-7	Xylenes, Total	ND		3.0	0.49
110-82-7	Cyclohexane	ND		1.0	0.25

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: FB-2 | Lab Sample ID: 180-14634-12

Matrix: Water | Lab File ID: 60928013.D

Analysis Method: 8260B | Date Collected: 09/19/2012 11:30

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2012 14:51

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 50119 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.24
75-71-8	Dichlorodifluoromethane	ND		1.0	0.19
98-82-8	Isopropylbenzene	ND		1.0	0.16
79-20-9	Methyl acetate	ND		1.0	0.14
108-87-2	Methylcyclohexane	ND		1.0	0.26
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.18
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.15
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.11
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.21
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.27
74-87-3	Chloromethane	ND		1.0	0.28
123-91-1	1,4-Dioxane	ND		200	34

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	116		64-135
2037-26-5	Toluene-d8 (Surr)	90		71-118
460-00-4	4-Bromofluorobenzene (Surr)	90		70-118
1868-53-7	Dibromofluoromethane (Surr)	100		70-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Client Sample ID: FB-2 Lab Sample ID: 180-14634-12

Matrix: Water Lab File ID: 60928013.D

Analysis Method: 8260B Date Collected: 09/19/2012 11:30

Sample wt/vol: 5(mL) Date Analyzed: 09/28/2012 14:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 50119 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

FORM I-TIC 8260B

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6092812d.b\60928013.D
Lab Smp Id: 180-14634-E-12 Client Smp ID: FB-2
Inj Date : 28-SEP-2012 14:51
Operator : 001562 Inst ID: hp6.i
Smp Info : 180-14634-E-12
Misc Info : 180-14634-E-12
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6092812d.b\T8260bllw.m
Meth Date : 28-Sep-2012 12:38 fergusond Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 63
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-634.sub
Target Version: 4.14
Processing Host: PITPC-530

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 46 Fluorobenzene (IS)	96	7.306	7.305	(1.000)	539964	50.0000	
* 69 Chlorobenzene-d5	119	10.403	10.402	(1.000)	121144	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.727	12.726	(1.000)	170080	50.0000	(Q)
$ 39 Dibromofluoromethane (Surr)	113	6.558	6.563	(0.898)	108470	49.8260	49.82
$ 43 1,2-Dichloroethane-d4	65	6.935	6.934	(0.949)	140901	58.0755	58.08
$ 59 Toluene-d8	98	8.961	8.960	(0.861)	492459	44.8588	44.86
$ 80 Bromofluorobenzene (Surr)	95	11.571	11.570	(1.112)	157681	44.9727	44.97
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
10 1,1,2-trichloro-1,2,2-trifluor	101	Compound Not Detected.					
12 1,1-Dichloroethene	96	Compound Not Detected.					
15 Carbon Disulfide	76	3.687	3.680	(0.505)	15659	2.32880	2.329
13 Acetone	43	3.528	3.515	(0.483)	35112	49.7343	49.73
18 Methylene Chloride	84	4.167	4.172	(0.570)	11330	1.28689	1.287
19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
20 Methyl tert-butyl ether	73	Compound Not Detected.					
24 1,1-Dichloroethane	63	Compound Not Detected.					
27 2,2-Dichloropropane	77	Compound Not Detected.					
28 cis-1,2-dichloroethene	96	Compound Not Detected.					
M 29 1,2-Dichloroethene (total)	96	Compound Not Detected.					
30 Bromochloromethane	128	Compound Not Detected.					
31 2-Butanone	43	6.023	6.016	(0.824)	9855	7.72980	7.730
37 Chloroform	83	Compound Not Detected.					
38 1,1,1-Trichloroethane	97	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ng)
	40 1,1-Dichloropropene	75	Compound Not Detected.					
	41 Carbon Tetrachloride	117	Compound Not Detected.					
	42 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	47 Trichloroethene	130	Compound Not Detected.					
	49 1,2-Dichloropropane	63	Compound Not Detected.					
	50 Dibromomethane	93	Compound Not Detected.					
	53 Bromodichloromethane	83	Compound Not Detected.					
	57 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	58 4-Methyl-2-Pentanone	43	Compound Not Detected.					
	60 Toluene	91	Compound Not Detected.					
	61 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	63 1,3-Dichloropropane	76	Compound Not Detected.					
	64 1,1,2-Trichloroethane	97	Compound Not Detected.					
	65 Tetrachloroethene	164	Compound Not Detected.					
	66 2-Hexanone	43	Compound Not Detected.					
	67 Dibromochloromethane	129	Compound Not Detected.					
	68 1,2-Dibromoethane	107	Compound Not Detected.					
	70 Chlorobenzene	112	Compound Not Detected.					
	71 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	72 Ethylbenzene	106	Compound Not Detected.					
	73 m + p-Xylene	106	Compound Not Detected.					
	74 Xylene-o	106	Compound Not Detected.					
M	75 Xylenes (total)	106	Compound Not Detected.					
	76 Styrene	104	Compound Not Detected.					
	77 Bromoform	173	Compound Not Detected.					
	78 Isopropylbenzene	105	Compound Not Detected.					
	83 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	88 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	91 1,3-Dichlorobenzene	146	Compound Not Detected.					
	93 1,4-Dichlorobenzene	146	Compound Not Detected.					
	95 1,2-Dichlorobenzene	146	Compound Not Detected.					
	96 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
	97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	156 Methyl Acetate	43	Compound Not Detected.					
	157 Cyclohexane	56	Compound Not Detected.					
	158 Methyl Cyclohexane	83	Compound Not Detected.					
	52 1,4-Dioxane	88	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6092812d.b\60928013.D
Lab Smp Id: 180-14634-E-12 Client Smp ID: FB-2
Inj Date : 28-SEP-2012 14:51
Operator : 001562 Inst ID: hp6.i
Smp Info : 180-14634-E-12
Misc Info : 180-14634-E-12
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6092812d.b\T8260bllw.m
Meth Date : 28-Sep-2012 12:38 fergusond Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 63
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-634.sub
Target Version: 4.14
Processing Host: PITPC-530

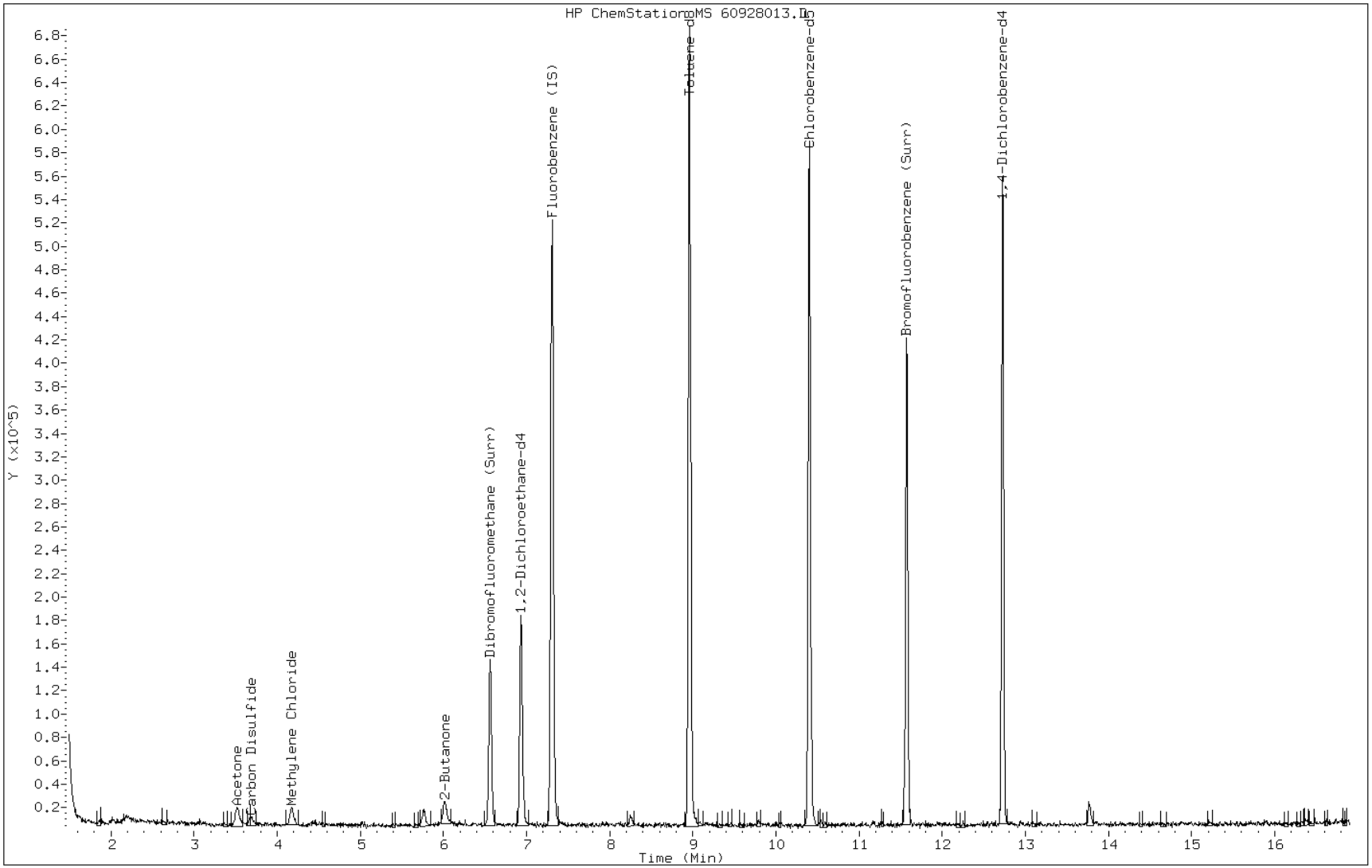
- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: 60928013.D

Date: 28-SEP-2012 14:51

Client ID: FB-2 Instrument: hp6.i

Sample Info: 180-14634-E-12 Operator: 001562



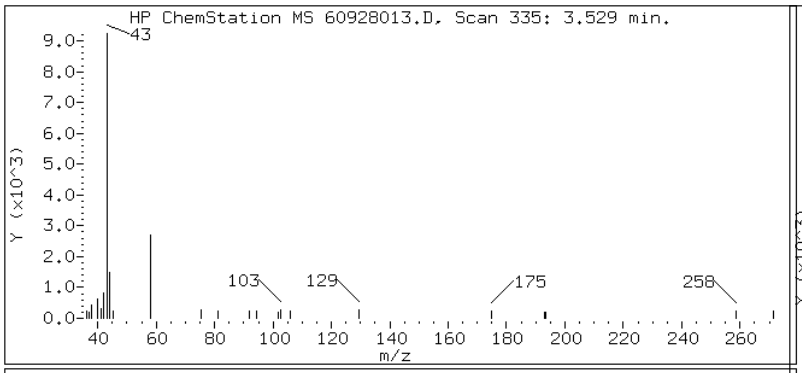
Data File: 60928013.D

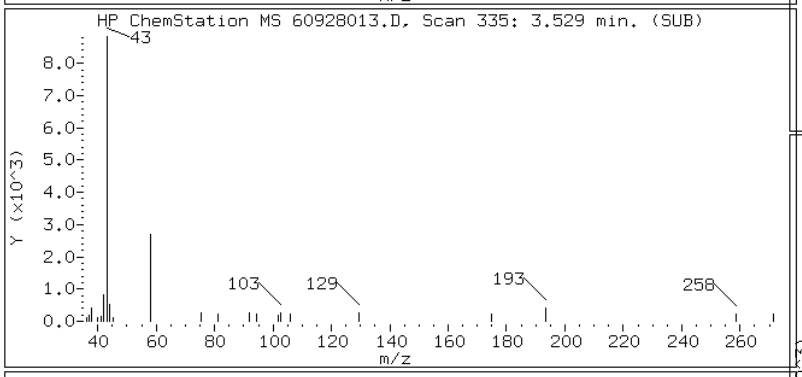
Date: 28-SEP-2012 14:51

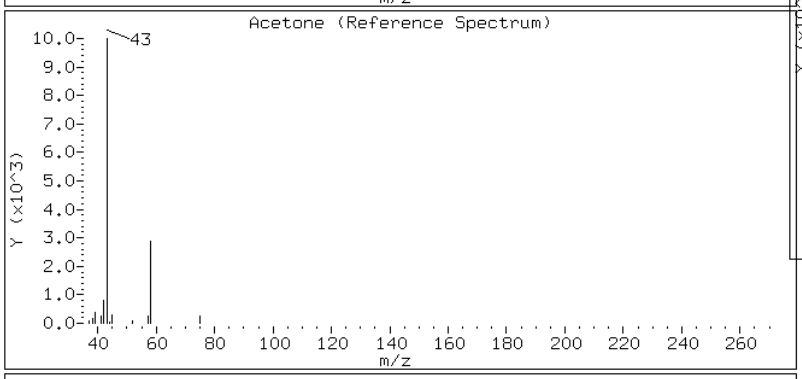
Client ID: FB-2 Instrument: hp6.i

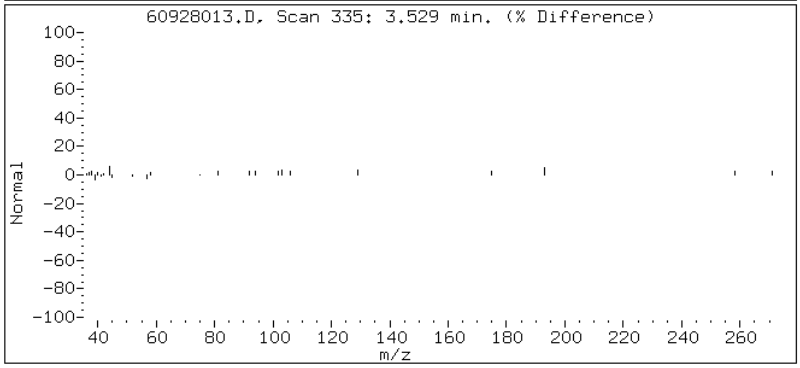
Sample Info: 180-14634-E-12 Operator: 001562

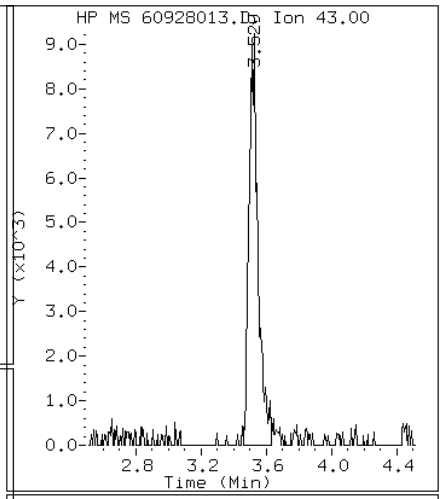
13 Acetone

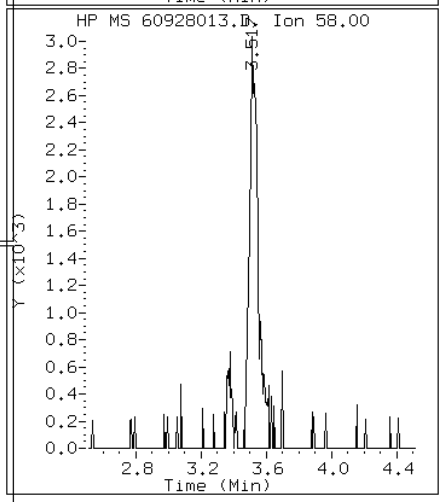












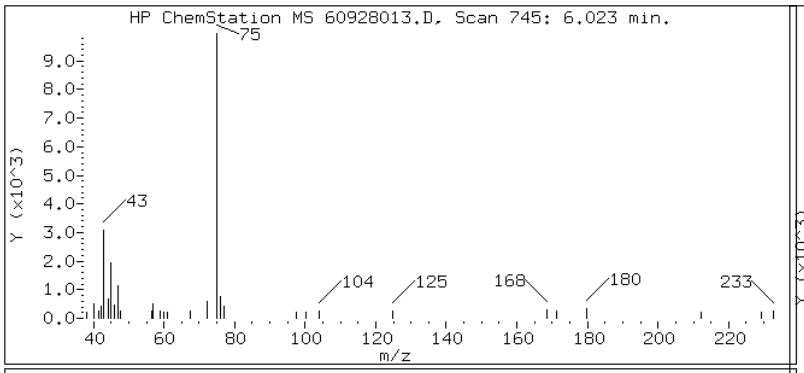
Data File: 60928013.D

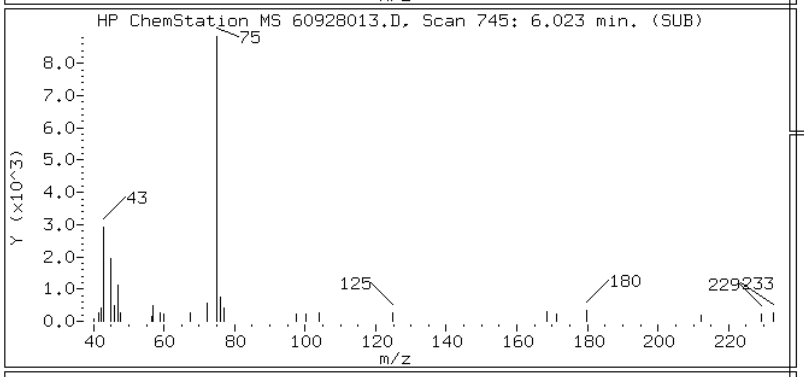
Date: 28-SEP-2012 14:51

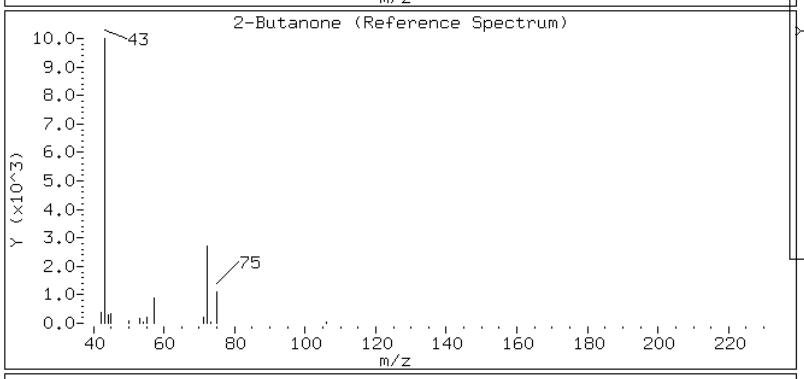
Client ID: FB-2 Instrument: hp6.i

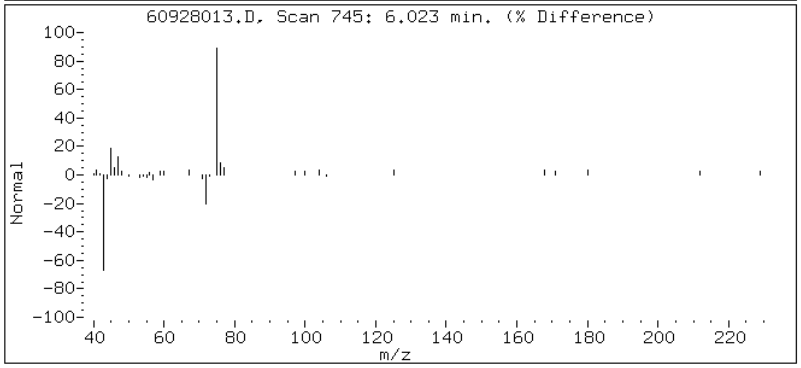
Sample Info: 180-14634-E-12 Operator: 001562

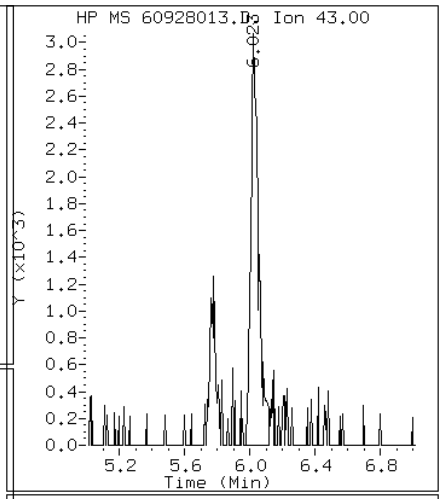
31 2-Butanone

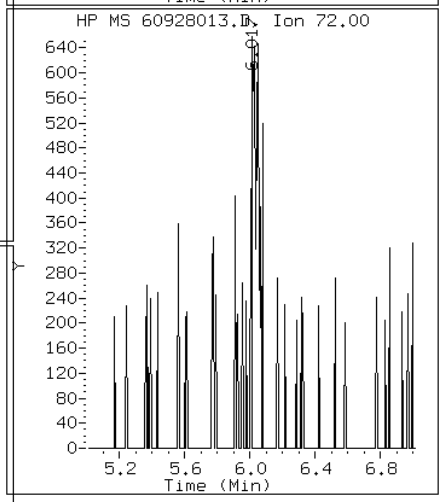












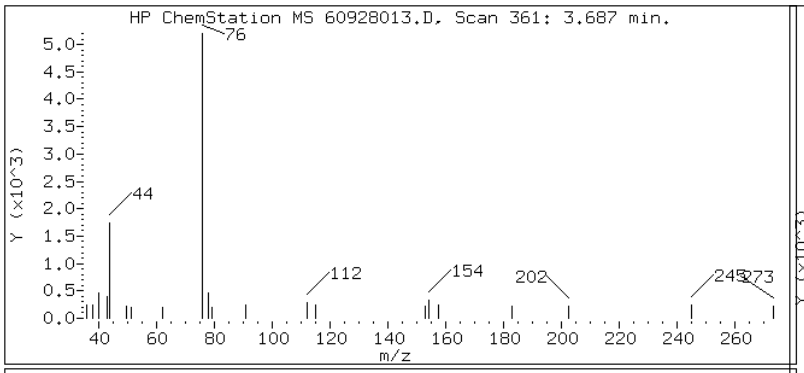
Data File: 60928013.D

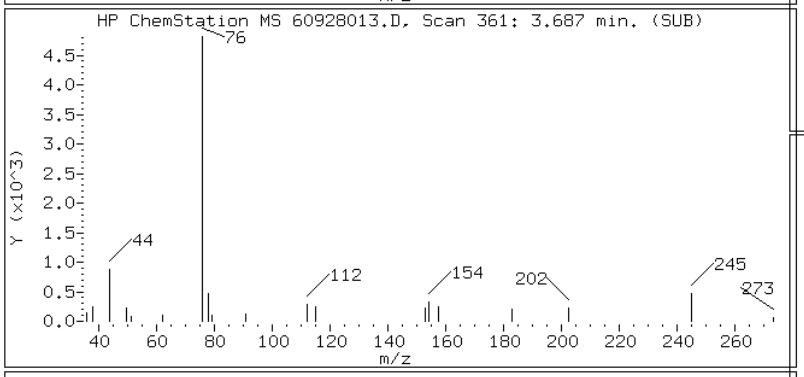
Date: 28-SEP-2012 14:51

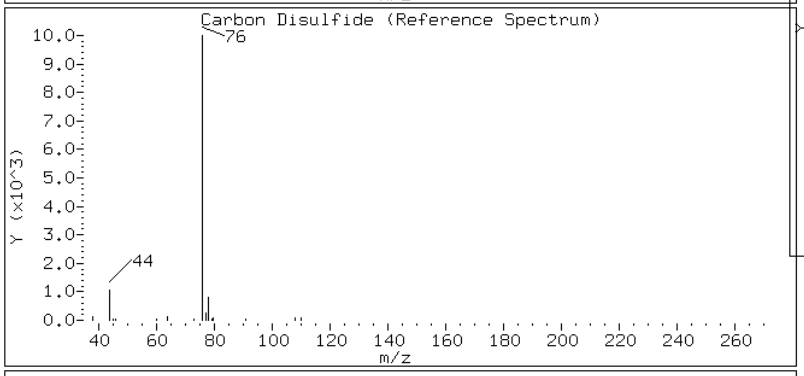
Client ID: FB-2 Instrument: hp6.i

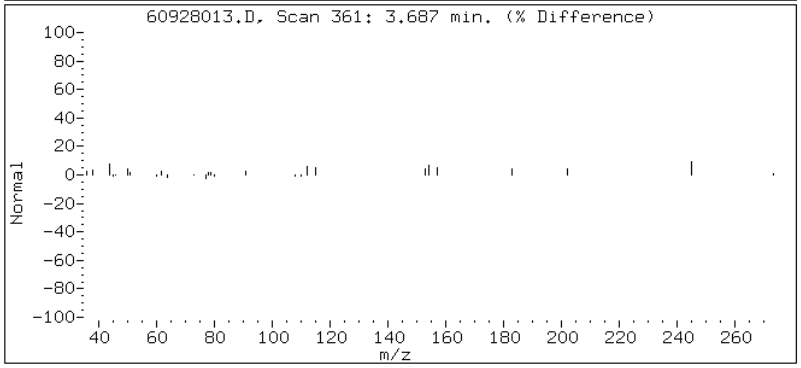
Sample Info: 180-14634-E-12 Operator: 001562

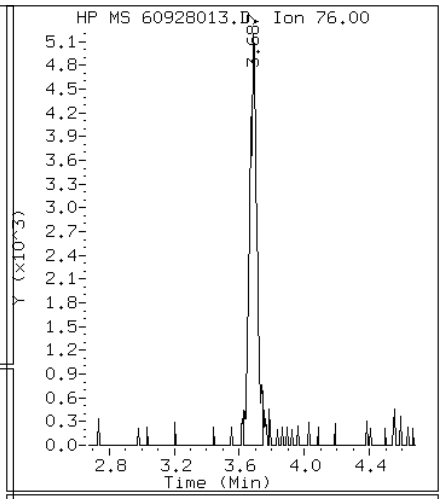
15 Carbon Disulfide

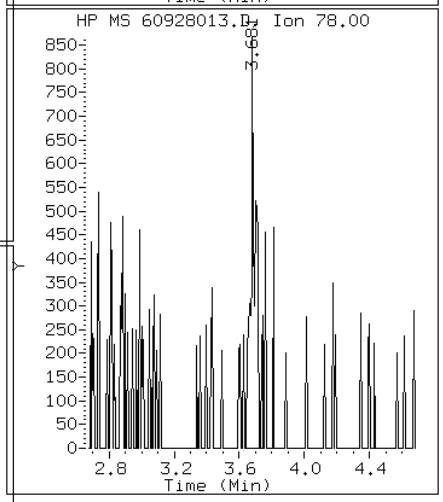












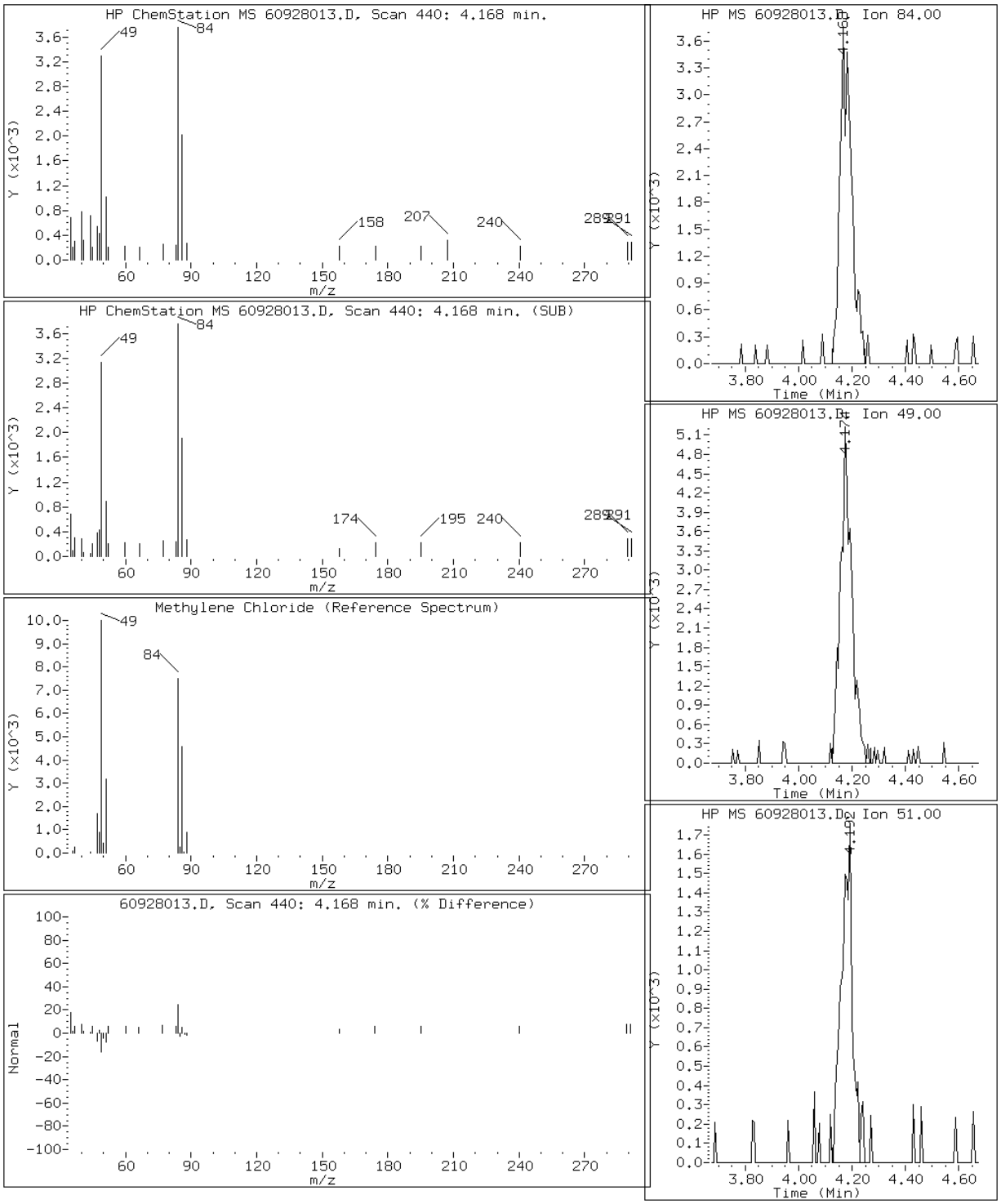
Data File: 60928013.D

Date: 28-SEP-2012 14:51

Client ID: FB-2 Instrument: hp6.i

Sample Info: 180-14634-E-12 Operator: 001562

18 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: TMP-3 | Lab Sample ID: 180-14634-13

Matrix: Water | Lab File ID: 60928020.D

Analysis Method: 8260B | Date Collected: 09/19/2012 14:20

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2012 17:40

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 50119 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	6.7		5.0	2.5
71-43-2	Benzene	ND		1.0	0.11
75-27-4	Bromodichloromethane	ND		1.0	0.13
75-25-2	Bromoform	ND		1.0	0.19
74-83-9	Bromomethane	ND		1.0	0.31
78-93-3	2-Butanone (MEK)	0.91	J	5.0	0.55
75-15-0	Carbon disulfide	0.49	J B	1.0	0.21
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	ND		1.0	0.14
75-00-3	Chloroethane	ND		1.0	0.21
67-66-3	Chloroform	ND		1.0	0.17
124-48-1	Dibromochloromethane	ND		1.0	0.14
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.14
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.18
75-34-3	1,1-Dichloroethane	ND		1.0	0.12
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.17
78-87-5	1,2-Dichloropropane	ND		1.0	0.095
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.15
100-41-4	Ethylbenzene	ND		1.0	0.23
591-78-6	2-Hexanone	ND		5.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.15
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53
100-42-5	Styrene	ND		1.0	0.097
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		1.0	0.15
108-88-3	Toluene	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.29
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.14
75-69-4	Trichlorofluoromethane	ND		1.0	0.20
75-01-4	Vinyl chloride	ND		1.0	0.23
1330-20-7	Xylenes, Total	ND		3.0	0.49
110-82-7	Cyclohexane	ND		1.0	0.25

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: TMP-3 | Lab Sample ID: 180-14634-13

Matrix: Water | Lab File ID: 60928020.D

Analysis Method: 8260B | Date Collected: 09/19/2012 14:20

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2012 17:40

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 50119 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.24
75-71-8	Dichlorodifluoromethane	ND		1.0	0.19
98-82-8	Isopropylbenzene	ND		1.0	0.16
79-20-9	Methyl acetate	ND		1.0	0.14
108-87-2	Methylcyclohexane	ND		1.0	0.26
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.18
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.15
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.11
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.21
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.27
74-87-3	Chloromethane	ND		1.0	0.28
123-91-1	1,4-Dioxane	ND		200	34

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	119		64-135
2037-26-5	Toluene-d8 (Surr)	91		71-118
460-00-4	4-Bromofluorobenzene (Surr)	89		70-118
1868-53-7	Dibromofluoromethane (Surr)	101		70-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Client Sample ID: TMP-3 Lab Sample ID: 180-14634-13

Matrix: Water Lab File ID: 60928020.D

Analysis Method: 8260B Date Collected: 09/19/2012 14:20

Sample wt/vol: 5(mL) Date Analyzed: 09/28/2012 17:40

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 50119 Units: ug/L

Number TICs Found: 1 TIC Result Total: 1

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	8.02	1.0	T J

FORM I-TIC 8260B

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6092812d.b\60928020.D
Lab Smp Id: 180-14634-E-13 Client Smp ID: TMP-3
Inj Date : 28-SEP-2012 17:40
Operator : 001562 Inst ID: hp6.i
Smp Info : 180-14634-E-13
Misc Info : 180-14634-E-13
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6092812d.b\T8260bllw.m
Meth Date : 28-Sep-2012 18:07 lipayj Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 70
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-634.sub
Target Version: 4.14
Processing Host: PITPC-530

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 46 Fluorobenzene (IS)	96	7.308	7.305	(1.000)	517096	50.0000	
* 69 Chlorobenzene-d5	119	10.405	10.402	(1.000)	119478	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.729	12.726	(1.000)	164729	50.0000	
$ 39 Dibromofluoromethane (Surr)	113	6.560	6.563	(0.898)	105347	50.5315	50.53
$ 43 1,2-Dichloroethane-d4	65	6.937	6.934	(0.949)	137801	59.3096	59.31
$ 59 Toluene-d8	98	8.963	8.960	(0.861)	491036	45.3529	45.35
$ 80 Bromofluorobenzene (Surr)	95	11.573	11.570	(1.112)	153862	44.4954	44.50
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
10 1,1,2-trichloro-1,2,2-trifluor	101	Compound Not Detected.					
12 1,1-Dichloroethene	96	Compound Not Detected.					
15 Carbon Disulfide	76	3.683	3.680	(0.504)	15905	2.46999	2.470
13 Acetone	43	3.525	3.515	(0.482)	22782	33.6966	33.70
18 Methylene Chloride	84	Compound Not Detected.					
19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
20 Methyl tert-butyl ether	73	Compound Not Detected.					
24 1,1-Dichloroethane	63	Compound Not Detected.					
28 cis-1,2-dichloroethene	96	Compound Not Detected.					
M 29 1,2-Dichloroethene (total)	96	Compound Not Detected.					
31 2-Butanone	43	6.037	6.016	(0.826)	5547	4.54321	4.543
37 Chloroform	83	Compound Not Detected.					
38 1,1,1-Trichloroethane	97	Compound Not Detected.					
40 1,1-Dichloropropene	75	Compound Not Detected.					
41 Carbon Tetrachloride	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ng)
42	Benzene	78	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
47	Trichloroethene	130	Compound Not Detected.					
49	1,2-Dichloropropane	63	Compound Not Detected.					
53	Bromodichloromethane	83	Compound Not Detected.					
57	cis-1,3-Dichloropropene	75	Compound Not Detected.					
58	4-Methyl-2-Pentanone	43	Compound Not Detected.					
60	Toluene	91	Compound Not Detected.					
61	trans-1,3-Dichloropropene	75	Compound Not Detected.					
63	1,3-Dichloropropane	76	Compound Not Detected.					
64	1,1,2-Trichloroethane	97	Compound Not Detected.					
65	Tetrachloroethene	164	Compound Not Detected.					
66	2-Hexanone	43	Compound Not Detected.					
67	Dibromochloromethane	129	Compound Not Detected.					
68	1,2-Dibromoethane	107	Compound Not Detected.					
70	Chlorobenzene	112	Compound Not Detected.					
72	Ethylbenzene	106	Compound Not Detected.					
73	m + p-Xylene	106	Compound Not Detected.					
74	Xylene-o	106	Compound Not Detected.					
M 75	Xylenes (total)	106	Compound Not Detected.					
76	Styrene	104	Compound Not Detected.					
77	Bromoform	173	Compound Not Detected.					
78	Isopropylbenzene	105	Compound Not Detected.					
83	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
91	1,3-Dichlorobenzene	146	Compound Not Detected.					
93	1,4-Dichlorobenzene	146	Compound Not Detected.					
95	1,2-Dichlorobenzene	146	Compound Not Detected.					
96	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
97	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
156	Methyl Acetate	43	Compound Not Detected.					
157	Cyclohexane	56	Compound Not Detected.					
158	Methyl Cyclohexane	83	Compound Not Detected.					
52	1,4-Dioxane	88	Compound Not Detected.					

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6092812d.b\60928020.D
Lab Smp Id: 180-14634-E-13 Client Smp ID: TMP-3
Inj Date : 28-SEP-2012 17:40
Operator : 001562 Inst ID: hp6.i
Smp Info : 180-14634-E-13
Misc Info : 180-14634-E-13
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6092812d.b\T8260bllw.m
Meth Date : 28-Sep-2012 18:07 lipayj Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 70
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-634.sub
Target Version: 4.14
Processing Host: PITPC-530

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 46 Fluorobenzene (IS)	7.309	1114448	50.000

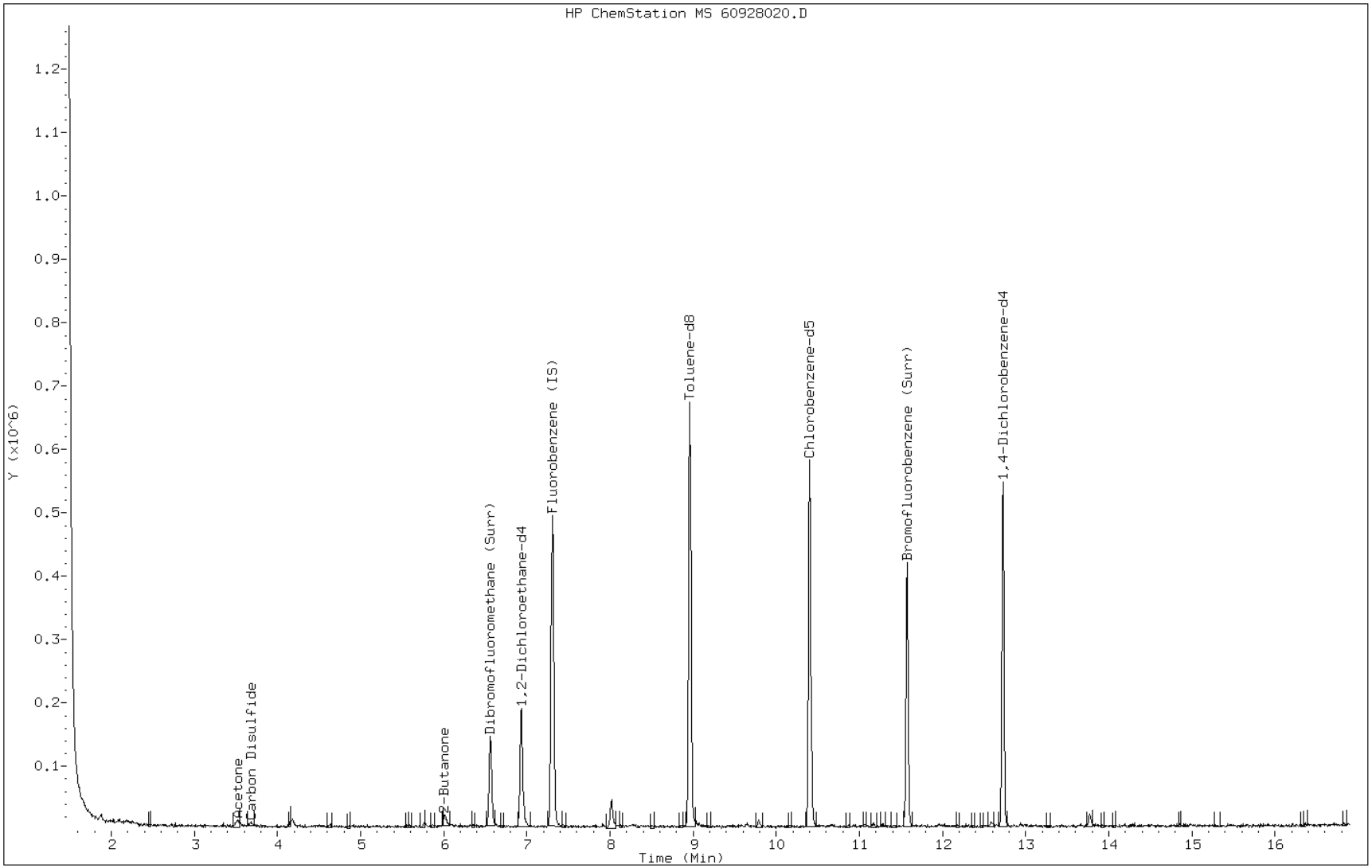
	CONCENTRATIONS			QUANT			
RT	AREA	ON-COL(ng)	FINAL(ng)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown					CAS #:		
8.021	111872	5.01915479	5.019	0		0	46

Data File: 60928020.D

Date: 28-SEP-2012 17:40

Client ID: TMP-3 Instrument: hp6.i

Sample Info: 180-14634-E-13 Operator: 001562



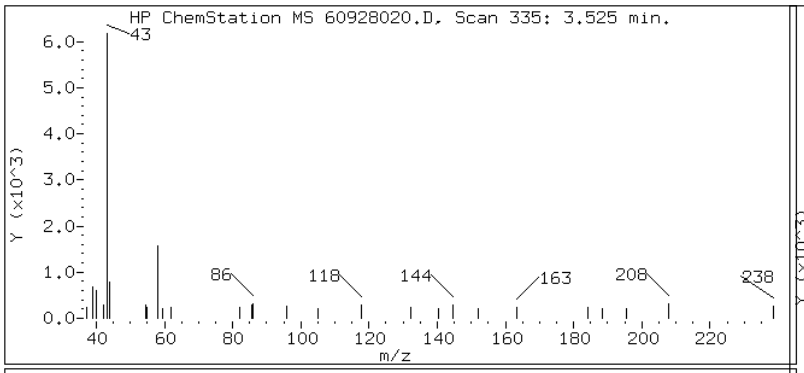
Data File: 60928020.D

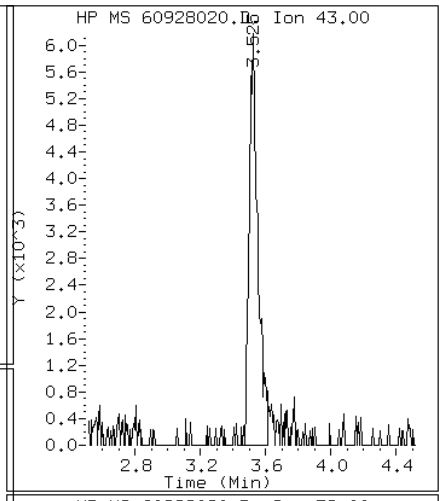
Date: 28-SEP-2012 17:40

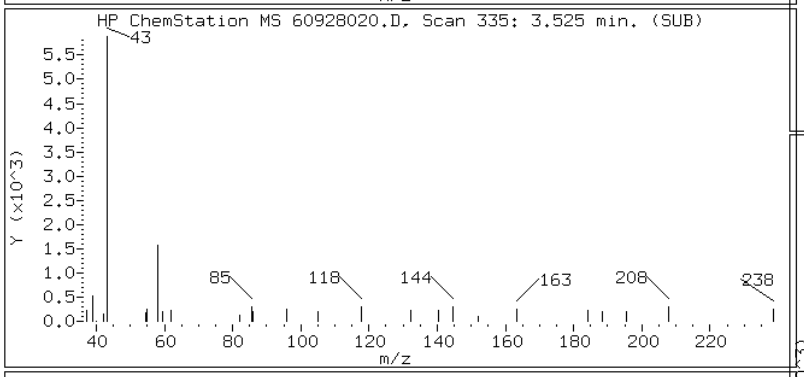
Client ID: TMP-3 Instrument: hp6.i

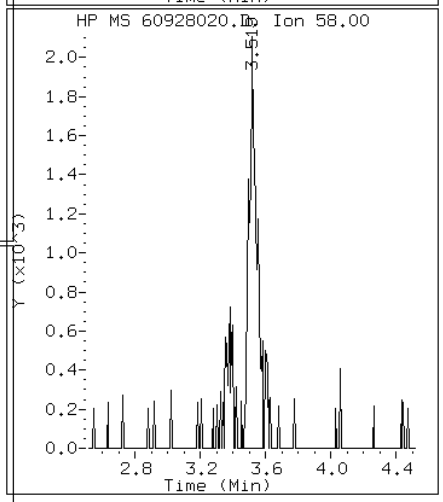
Sample Info: 180-14634-E-13 Operator: 001562

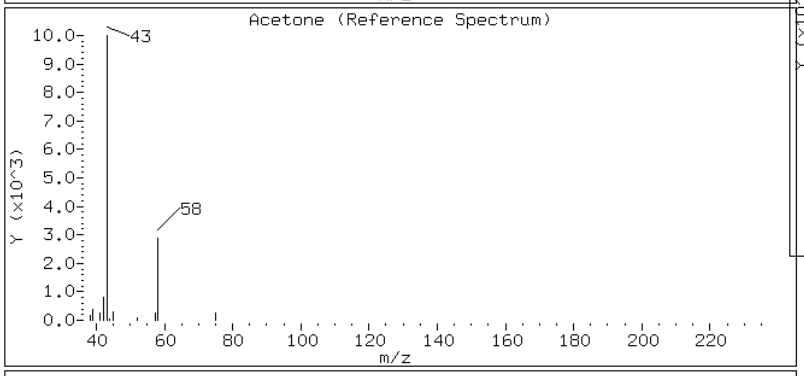
13 Acetone

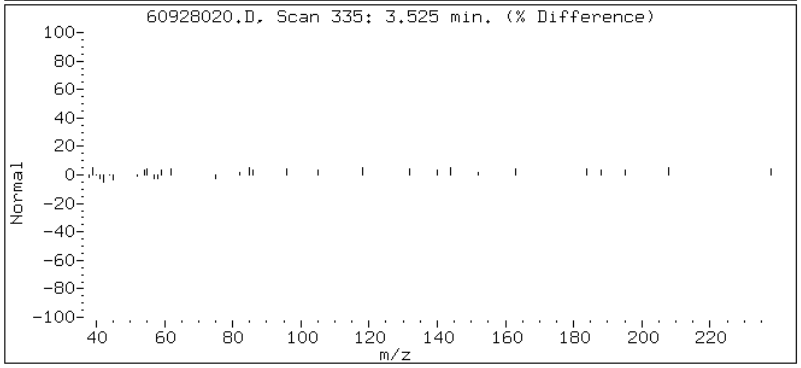












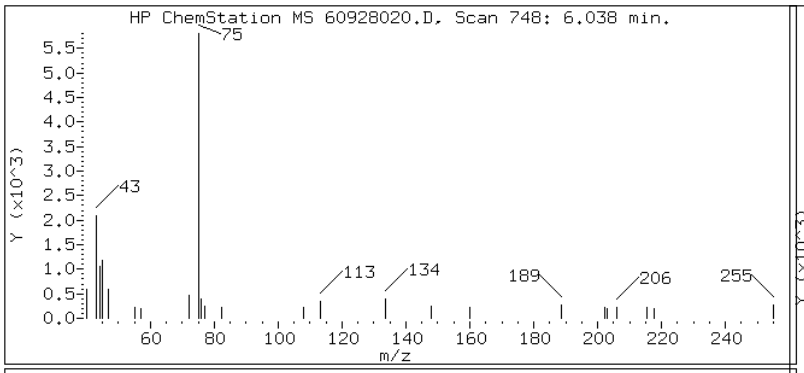
Data File: 60928020.D

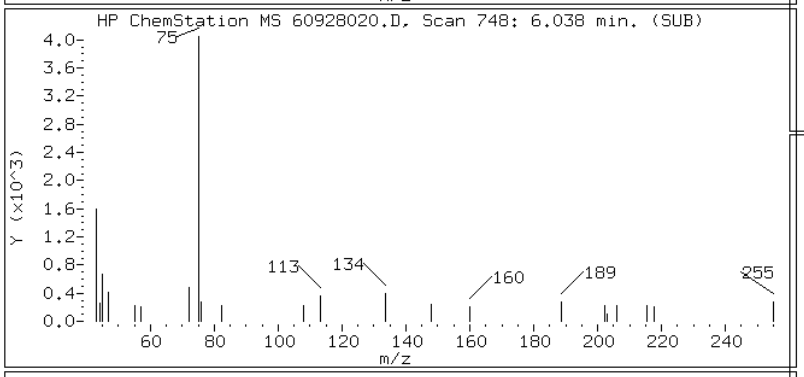
Date: 28-SEP-2012 17:40

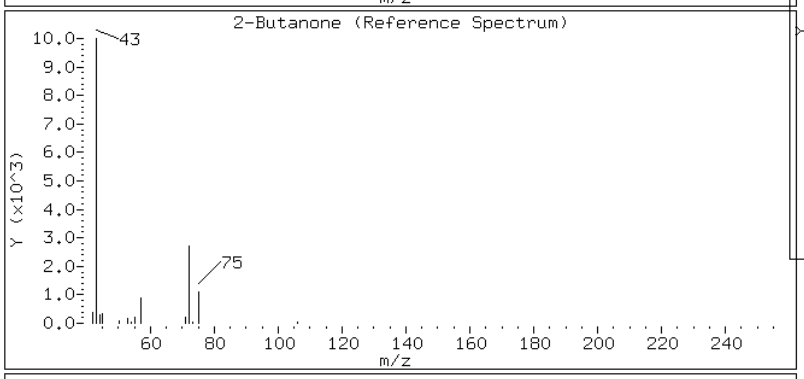
Client ID: TMP-3 Instrument: hp6.i

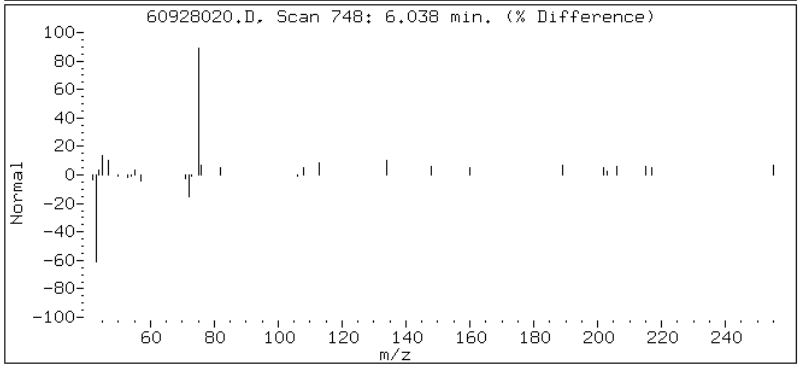
Sample Info: 180-14634-E-13 Operator: 001562

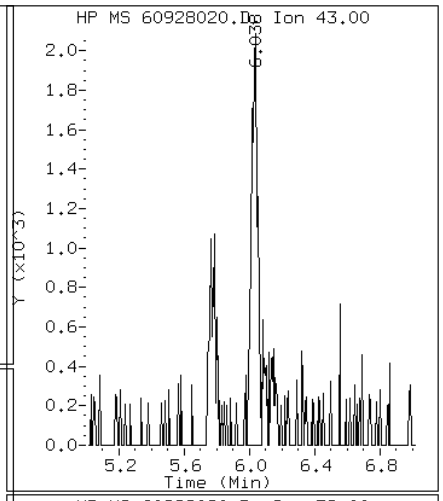
31 2-Butanone

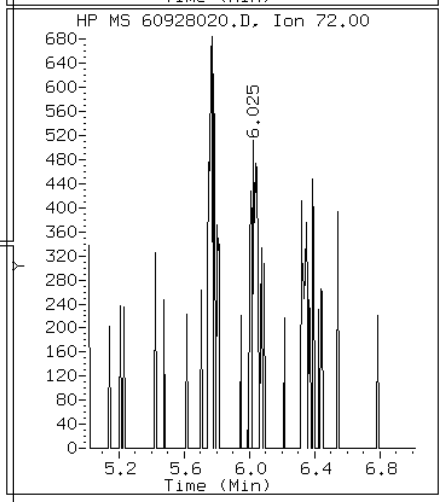












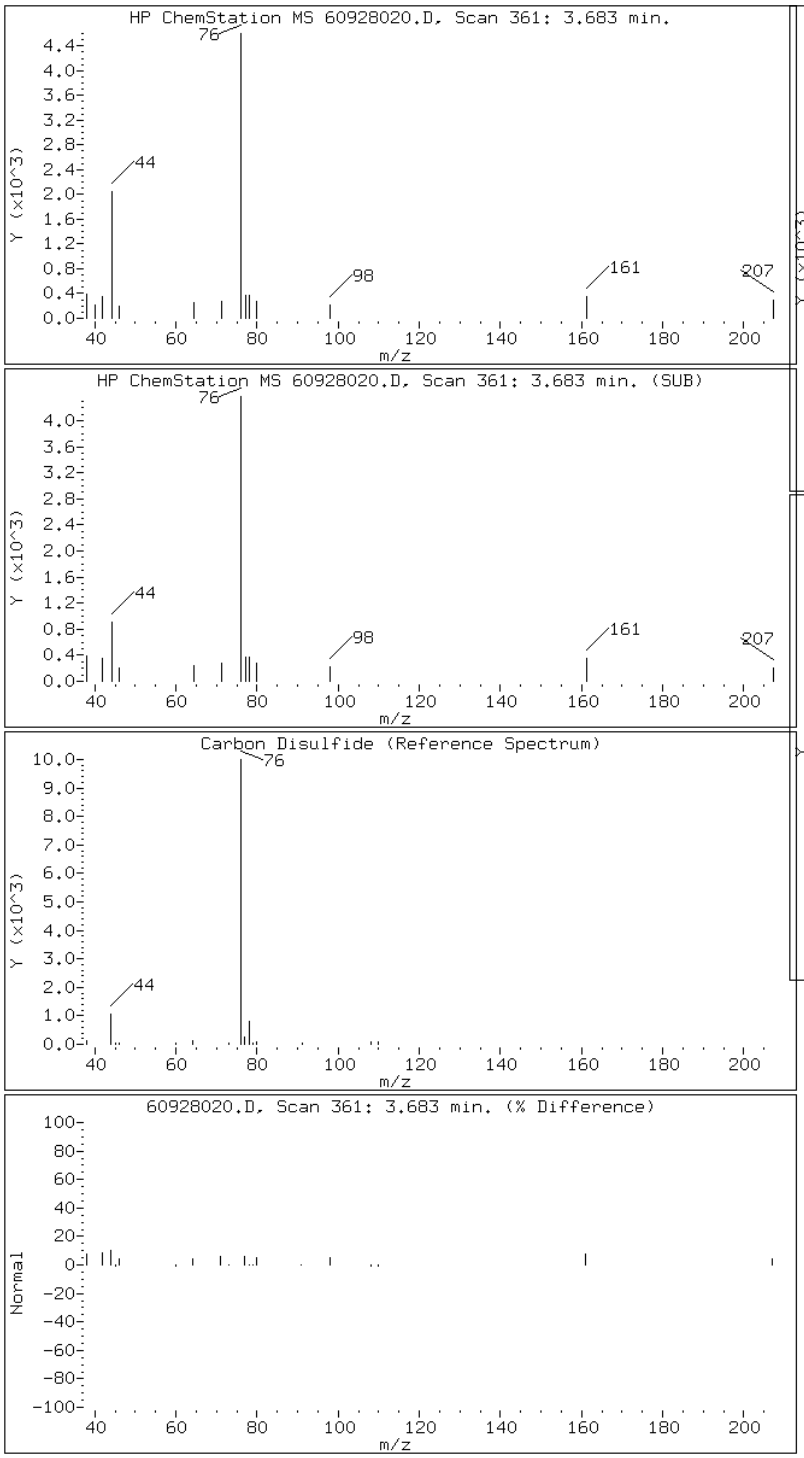
Data File: 60928020.D

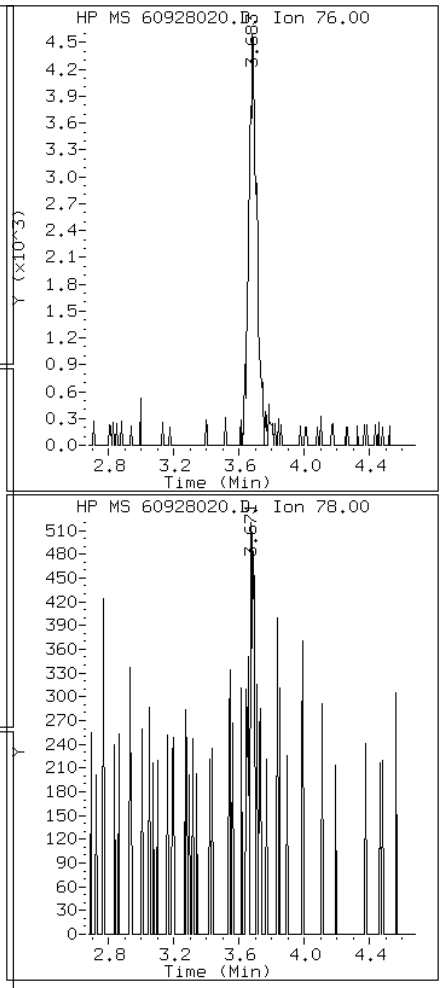
Date: 28-SEP-2012 17:40

Client ID: TMP-3 Instrument: hp6.i

Sample Info: 180-14634-E-13 Operator: 001562

15 Carbon Disulfide





Data File: 60928020.D

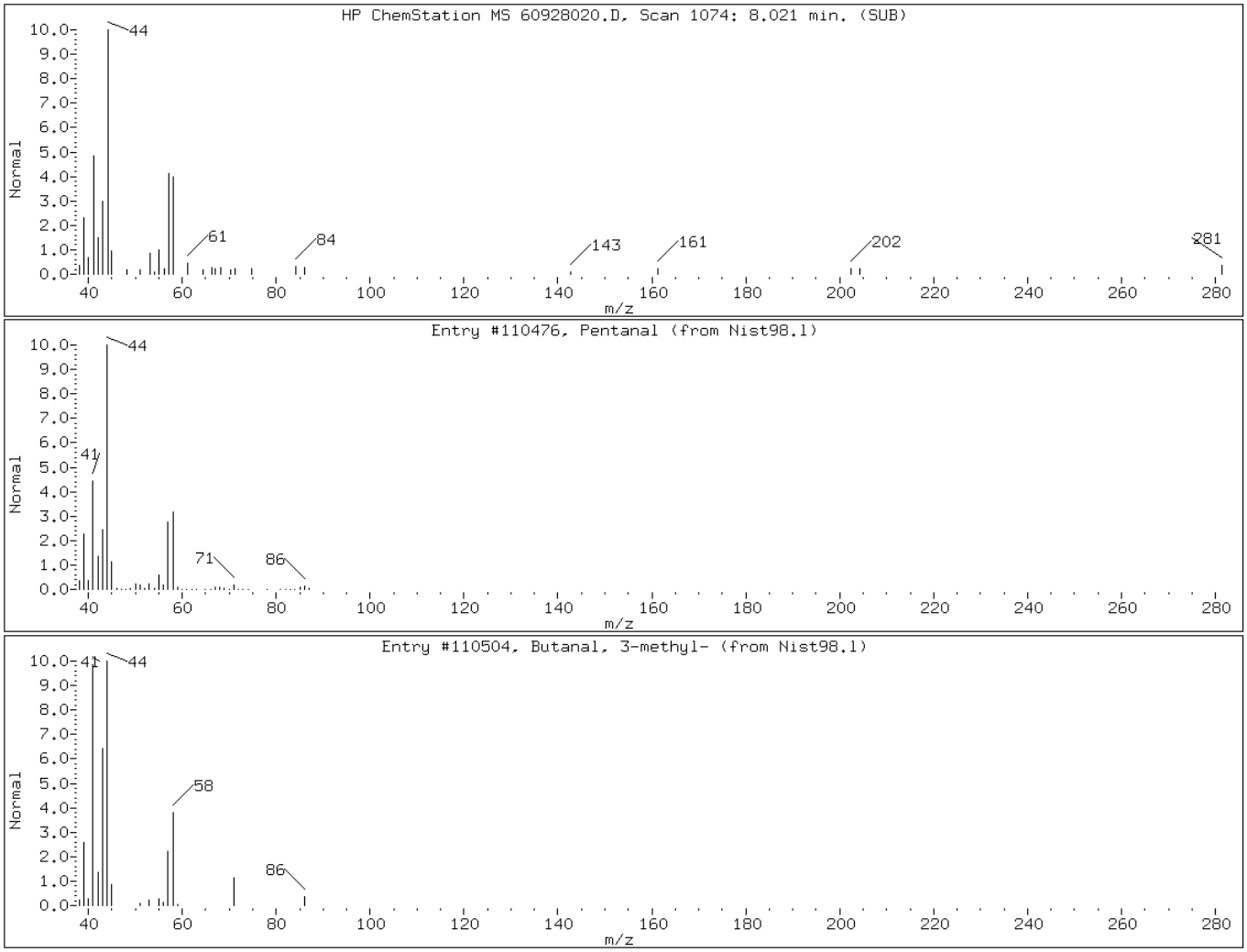
Date: 28-SEP-2012 17:40

Client ID: TMP-3 Instrument: hp6.i

Sample Info: 180-14634-E-13 Operator: 001562

Retention Time: 8.02

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Pentanal	110-62-3	Nist98.l	110476	78	C5H10O	86
Butanal, 3-methyl-	590-86-3	Nist98.l	110504	78	C5H10O	86



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 48202

SDG No.:

Instrument ID: HP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2012 14:47 Calibration End Date: 09/12/2012 18:08 Calibration ID: 6627

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-48202/8	60912017.D
Level 2	IC 180-48202/2	60912009.D
Level 3	ICIS 180-48202/3	60912010.D
Level 4	IC 180-48202/4	60912011.D
Level 5	IC 180-48202/5	60912012.D
Level 6	IC 180-48202/6	60912013.D
Level 7	IC 180-48202/7	60912014.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.2309 0.2826	0.2412 0.2697	0.2403	0.2450	0.2642	Ave		0.2534				7.4		15.0			
Chloromethane	0.4136 0.4078	0.3785 0.3860	0.3717	0.3797	0.3885	Ave		0.3894			0.1000	4.0		15.0			
Vinyl chloride	0.2736 0.3275	0.2923 0.3179	0.3068	0.3064	0.3183	Ave		0.3061				6.0		15.0			
Bromomethane	0.1446 0.0979	0.0950 0.0968	0.0984	0.0940	0.0941	Qua	-0.050	11.183	-2.049					15.0	0.9997		0.9900
Chloroethane	0.1292 0.1351	0.1208 0.1283	0.1278	0.1236	0.1312	Ave		0.1280				3.7		15.0			
Trichlorofluoromethane	0.2936 0.3234	0.3003 0.3013	0.3028	0.2887	0.3304	Ave		0.3058				5.0		15.0			
1,1-Dichloroethene	0.2862 0.2758	0.2464 0.2653	0.2398	0.2489	0.2625	Ave		0.2607				6.4		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2549 0.2566	0.2230 0.2548	0.2240	0.2352	0.2531	Ave		0.2431				6.3		15.0			
Acetone	0.0847 0.0625	0.0613 0.0575	0.0657	0.0586	0.0672	Ave		0.0654				14.1		15.0			
Carbon disulfide	0.6106 0.6820	0.5684 0.6767	0.5688	0.6085	0.6435	Ave		0.6226				7.5		15.0			
Acetonitrile	0.0172 0.0126	0.0144 0.0105	0.0132	0.0123	0.0144	Ave		0.0135				15.6	*	15.0			
Methyl acetate	0.2147 0.2246	0.1918 0.2203	0.2035	0.2078	0.2026	Ave		0.2093				5.4		15.0			
Methylene Chloride	0.6613 0.2856	0.2694 0.2723	0.2540	0.2760	0.2829	Qua	-0.054	3.7920	-0.139					15.0	0.9969		0.9900
trans-1,2-Dichloroethene	0.2752 0.2870	0.2524 0.2848	0.2532	0.2670	0.2755	Ave		0.2707				5.1		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 48202

SDG No.:

Instrument ID: HP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2012 14:47 Calibration End Date: 09/12/2012 18:08 Calibration ID: 6627

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methyl tert-butyl ether	0.7460 0.7091	0.6268 0.6895	0.6313	0.6983	0.6926	Ave		0.6848				6.2		15.0			
1,1-Dichloroethane	0.4759 0.5173	0.4437 0.5019	0.4530	0.4934	0.4970	Ave		0.4832			0.1000	5.6		15.0			
2,2-Dichloropropane	0.2258 0.2553	0.2141 0.2565	0.2335	0.2327	0.2304	Ave		0.2355				6.5		15.0			
cis-1,2-Dichloroethene	0.3245 0.3075	0.2742 0.3010	0.2737	0.3024	0.3013	Ave		0.2978				6.1		15.0			
2-Butanone (MEK)	0.1515 0.1180	0.1053 0.1116	0.1110	0.1120	0.1169	Ave		0.1181				13.0		15.0			
Bromochloromethane	0.1284 0.1266	0.1066 0.1191	0.1106	0.1233	0.1207	Ave		0.1193				6.8		15.0			
Chloroform	0.4079 0.4083	0.3634 0.3936	0.3562	0.3974	0.3967	Ave		0.3891				5.4		30.0			
1,1,1-Trichloroethane	0.3033 0.3399	0.2912 0.3409	0.2982	0.3079	0.3221	Ave		0.3148				6.3		15.0			
Cyclohexane	0.5962 0.6510	0.5809 0.6420	0.5754	0.6044	0.6329	Ave		0.6119				4.9		15.0			
Carbon tetrachloride	0.2254 0.2751	0.2242 0.2729	0.2251	0.2390	0.2509	Ave		0.2447				9.1		15.0			
1,1-Dichloropropene	0.3804 0.4082	0.3414 0.4027	0.3526	0.3729	0.3984	Ave		0.3795				6.8		15.0			
Benzene	1.1358 1.1887	1.0466 1.1440	1.0640	1.1434	1.1643	Ave		1.1267				4.6		15.0			
1,2-Dichloroethane	0.3071 0.3135	0.2762 0.3045	0.2749	0.3117	0.3057	Ave		0.2991				5.5		15.0			
Trichloroethene	0.2846 0.2985	0.2462 0.2956	0.2611	0.2759	0.2843	Ave		0.2780				6.8		15.0			
Methylcyclohexane	0.4468 0.5357	0.4561 0.5273	0.4776	0.4892	0.5188	Ave		0.4931				7.1		15.0			
1,2-Dichloropropane	0.2530 0.2851	0.2473 0.2800	0.2515	0.2674	0.2800	Ave		0.2663				5.9		30.0			
Dibromomethane	0.1467 0.1365	0.1214 0.1335	0.1204	0.1326	0.1319	Ave		0.1319				6.8		15.0			
Bromodichloromethane	0.2073 0.2686	0.2086 0.2608	0.2195	0.2453	0.2456	Ave		0.2365				10.5		15.0			
cis-1,3-Dichloropropene	0.3021 0.3836	0.2897 0.3738	0.3045	0.3509	0.3600	Ave		0.3378				11.3		15.0			
4-Methyl-2-pentanone (MIBK)	1.4422 1.2277	1.2143 1.2216	1.1429	1.2635	1.2603	Ave		1.2532				7.4		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 48202

SDG No.:

Instrument ID: HP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2012 14:47 Calibration End Date: 09/12/2012 18:08 Calibration ID: 6627

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Toluene	5.6612 5.2982	5.1121 5.0358	5.0112	5.4305	5.5433	Ave		5.3428				4.7		30.0			
trans-1,3-Dichloropropene	1.2883 1.4272	1.1777 1.3642	1.1670	1.3417	1.3964	Ave		1.3089				7.9		15.0			
1,1,2-Trichloroethane	1.0144 0.9269	0.8805 0.8950	0.8560	0.9666	0.9601	Ave		0.9285				6.0		15.0			
Tetrachloroethene	0.8475 0.9192	0.8351 0.9033	0.8460	0.8884	0.9688	Ave		0.8869				5.4		15.0			
1,3-Dichloropropane	2.0213 1.6922	1.5636 1.6043	1.5634	1.7130	1.7424	Ave		1.7000				9.4		15.0			
2-Hexanone	0.9396 0.8625	0.8552 0.8504	0.8281	0.8998	0.9247	Ave		0.8801				4.7		15.0			
Dibromochloromethane	0.5250 0.7133	0.5332 0.7102	0.5682	0.6546	0.6871	Ave		0.6274				13.2		15.0			
1,2-Dibromoethane (EDB)	0.9976 0.8925	0.8023 0.8367	0.8115	0.8848	0.8959	Ave		0.8744				7.6		15.0			
3-Chlorobenzotrifluoride	2.3348 1.8754	1.7057 1.8969	1.9285	1.9057	1.9611	Ave		1.9440				9.8		15.0			
Chlorobenzene	3.3411 3.2585	3.0731 3.1133	3.0197	3.2227	3.3838	Ave		3.2017			0.3000	4.3		15.0			
4-Chlorobenzotrifluoride	2.1625 1.7583	1.6288 1.6889	1.7834	1.6797	1.7793	Ave		1.7830				9.9		15.0			
1,1,1,2-Tetrachloroethane	0.8713 0.9041	0.7684 0.8896	0.7941	0.8656	0.8986	Ave		0.8559				6.2		15.0			
Ethylbenzene	1.8368 1.9485	1.8627 1.9136	1.8703	1.9297	2.0294	Ave		1.9130				3.4		30.0			
m-Xylene & p-Xylene	2.3905 2.2847	2.2691 2.2467	2.2391	2.3152	2.4416	Ave		2.3124				3.3		15.0			
o-Xylene	2.3655 2.2621	2.1904 2.2648	2.1796	2.2686	2.3627	Ave		2.2706				3.2		15.0			
Styrene	3.5762 3.5741	3.3061 3.5130	3.3739	3.5944	3.7152	Ave		3.5218				4.0		15.0			
Bromoform	0.3852 0.3655	0.2709 0.3749	0.2777	0.3154	0.3322	Ave		0.3317			0.1000	13.9		15.0			
2-Chlorobenzotrifluoride	2.0982 1.6321	1.6402 1.7573	1.7102	1.6349	1.7568	Ave		1.7471				9.4		15.0			
Isopropylbenzene	5.3931 5.2516	5.2889 5.3531	5.2567	5.3094	5.6295	Ave		5.3546				2.5		15.0			
1,1,2,2-Tetrachloroethane	1.0941 1.0307	0.8402 0.9409	0.8765	0.9553	0.9981	Ave		0.9623			0.3000	9.1		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 48202

SDG No.:

Instrument ID: HP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2012 14:47 Calibration End Date: 09/12/2012 18:08 Calibration ID: 6627

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Bromobenzene	0.9374 0.9960	0.8037 0.8912	0.8752	0.9386	0.9594	Ave		0.9145				6.9		15.0			
1,2,3-Trichloropropane	0.3369 0.3166	0.2644 0.2813	0.2794	0.3092	0.3018	Ave		0.2985				8.4		15.0			
N-Propylbenzene	1.2288 1.3581	1.1322 1.2742	1.1730	1.2571	1.3515	Ave		1.2535				6.7		15.0			
2-Chlorotoluene	1.0921 1.0954	0.9336 0.9869	0.9351	1.0233	1.1017	Ave		1.0240				7.3		15.0			
3-Chlorotoluene	1.1877 1.0936	1.0479 1.0426	1.0332	1.0388	1.0824	Ave		1.0752				5.1		15.0			
1,3,5-Trimethylbenzene	3.1702 3.4420	3.0430 3.2468	3.0796	3.1860	3.5114	Ave		3.2399				5.4		15.0			
4-Chlorotoluene	1.0771 1.1965	1.0379 1.1245	0.9636	1.1663	1.2058	Ave		1.1102				8.0		15.0			
tert-Butylbenzene	2.8367 2.9567	2.7064 2.8660	2.7100	2.7048	3.0756	Ave		2.8366				5.0		15.0			
1,2,4-Trimethylbenzene	3.0171 3.3083	3.0497 3.2518	3.0423	3.1437	3.3889	Ave		3.1717				4.6		15.0			
3,4-Dichlorobenzotrifluoride	1.0406 0.8471	0.7982 0.8695	0.8166	0.7917	0.8910	Ave		0.8649				9.9		15.0			
sec-Butylbenzene	3.7251 4.0164	3.7455 3.9686	3.6565	3.6612	4.2050	Ave		3.8540				5.5		15.0			
1,3-Dichlorobenzene	1.6207 1.7266	1.4952 1.6730	1.4850	1.6153	1.7085	Ave		1.6177				6.0		15.0			
4-Isopropyltoluene	2.9626 3.2532	2.9952 3.2900	2.9754	2.9791	3.4112	Ave		3.1238				6.0		15.0			
1,4-Dichlorobenzene	1.7993 1.7341	1.5585 1.7138	1.5418	1.6195	1.7357	Ave		1.6718				5.9		15.0			
2,4-Dichlorobenzotrifluoride	0.9076 0.6786	0.6629 0.7596	0.6528	0.6643	0.7171	Ave		0.7204				12.6		15.0			
2,5-Dichlorobenzotrifluoride	1.0344 0.8328	0.7269 0.8482	0.7878	0.7282	0.8716	Ave		0.8328				12.6		15.0			
n-Butylbenzene	2.3117 2.7309	2.3716 2.8029	2.3416	2.4230	2.7720	Ave		2.5362				8.7		15.0			
1,2-Dichlorobenzene	1.5196 1.5131	1.3301 1.5539	1.3533	1.4257	1.5259	Ave		1.4602				6.2		15.0			
1,2-Dibromo-3-Chloropropane	0.1030 0.1242	0.1028 0.1407	0.0973	0.1023	0.1124	Ave		0.1118				13.9		15.0			
2,4- & 2,5- & 2,6- Dichlorotoluene	1.0652 0.9904	0.8879 1.1016	0.8979	0.8903	0.9507	Ave		0.9691				9.0					

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 48202

SDG No.:

Instrument ID: HP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2012 14:47 Calibration End Date: 09/12/2012 18:08 Calibration ID: 6627

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,3,5-Trichlorobenzene	0.8774 0.7879	0.6858 0.8809	0.7078	0.6897	0.7395	Ave		0.7670				11.0		15.0			
2,3- & 3,4- Dichlorotoluene	0.9980 0.9612	0.8518 1.0842	0.8609	0.8591	0.8765	Ave		0.9274				9.7					
1,2,4-Trichlorobenzene	0.6629 0.7167	0.6098 0.7875	0.5537	0.6296	0.6217	Ave		0.6546				11.7		15.0			
Hexachlorobutadiene	0.2560 0.2300	0.2227 0.2635	0.2134	0.2196	0.2215	Ave		0.2324				8.4		15.0			
Naphthalene	2.0967 2.0822	1.7193 2.2512	1.6416	1.8568	1.7728	Ave		1.9172				11.9		15.0			
1,2,3-Trichlorobenzene	0.5824 0.5769	0.4758 0.6057	0.4655	0.4963	0.4706	Ave		0.5247				11.6		15.0			
2,4,5-Trichlorotoluene	0.3340 0.2927	0.2158 0.2782	0.2200	0.2351	0.2283	Ave		0.2577				17.4	*	15.0			
2,3,6-Trichlorotoluene	0.2283 0.2296	0.1832 0.2153	0.1808	0.1902	0.1805	Ave		0.2011				11.2		15.0			
Dibromofluoromethane (Surr)	0.2168 0.2107	0.1824 0.2193	0.1834	0.1947	0.2038	Ave		0.2016				7.5					
1,2-Dichloroethane-d4 (Surr)	0.2491 0.2313	0.1957 0.2412	0.2082	0.2166	0.2304	Ave		0.2247				8.4		15.0			
Toluene-d8 (Surr)	5.4233 4.4104	4.2825 4.4048	4.2411	4.2878	4.6668	Ave		4.5520				10.0		15.0			
4-Bromofluorobenzene (Surr)	1.8039 1.3826	1.3292 1.4591	1.3498	1.3585	1.4465	Ave		1.4471				11.4		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 48202

SDG No.:

Instrument ID: HP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2012 14:47 Calibration End Date: 09/12/2012 18:08 Calibration ID: 6627

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-48202/8	60912017.D
Level 2	IC 180-48202/2	60912009.D
Level 3	ICIS 180-48202/3	60912010.D
Level 4	IC 180-48202/4	60912011.D
Level 5	IC 180-48202/5	60912012.D
Level 6	IC 180-48202/6	60912013.D
Level 7	IC 180-48202/7	60912014.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	10332 488409	70893 542843	142578	195848	274476	5.00 175	25.0 200	50.0	75.0	100
Chloromethane	FB	Ave	18507 704891	111222 776870	220492	303604	403727	5.00 175	25.0 200	50.0	75.0	100
Vinyl chloride	FB	Ave	12240 566135	85890 639845	181985	244955	330748	5.00 175	25.0 200	50.0	75.0	100
Bromomethane	FB	Qua	6471 169128	27929 194862	58379	75171	97735	5.00 175	25.0 200	50.0	75.0	100
Chloroethane	FB	Ave	5782 233498	35488 258221	75842	98845	136292	5.00 175	25.0 200	50.0	75.0	100
Trichlorofluoromethane	FB	Ave	13135 558966	88260 606380	179649	230836	343283	5.00 175	25.0 200	50.0	75.0	100
1,1-Dichloroethene	FB	Ave	12803 476673	72400 533938	142280	199033	272754	5.00 175	25.0 200	50.0	75.0	100
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	11406 443524	65532 512764	132910	188024	262956	5.00 175	25.0 200	50.0	75.0	100
Acetone	FB	Ave	18959 216055	36041 231563	77992	93655	139696	25.0 350	50.0 400	100	150	200
Carbon disulfide	FB	Ave	27321 1178745	167031 1361966	337428	486538	668639	5.00 175	25.0 200	50.0	75.0	100
Acetonitrile	FB	Ave	15435 436255	84837 423661	157185	196860	299375	100 3500	500 4000	1000	1500	2000
Methyl acetate	FB	Ave	9606 388210	56367 443376	120700	166170	210520	5.00 175	25.0 200	50.0	75.0	100
Methylene Chloride	FB	Qua	29586 493644	79170 548142	150693	220637	293926	5.00 175	25.0 200	50.0	75.0	100
trans-1,2-Dichloroethene	FB	Ave	12315 495989	74183 573287	150191	213485	286313	5.00 175	25.0 200	50.0	75.0	100
Methyl tert-butyl ether	FB	Ave	33377 1225680	184198 1387887	374540	558287	719684	5.00 175	25.0 200	50.0	75.0	100

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 48202

SDG No.:

Instrument ID: HP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2012 14:47 Calibration End Date: 09/12/2012 18:08 Calibration ID: 6627

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,1-Dichloroethane	FB	Ave	21293 894132	130400 1010182	268727	394461	516407	5.00 175	25.0 200	50.0	75.0	100
2,2-Dichloropropane	FB	Ave	10103 441230	62907 516339	138538	186087	239423	5.00 175	25.0 200	50.0	75.0	100
cis-1,2-Dichloroethene	FB	Ave	14519 531513	80582 605871	162360	241800	313041	5.00 175	25.0 200	50.0	75.0	100
2-Butanone (MEK)	FB	Ave	33896 408022	61916 449196	131699	179130	242930	25.0 350	50.0 400	100	150	200
Bromochloromethane	FB	Ave	5743 218847	31317 239642	65617	98601	125445	5.00 175	25.0 200	50.0	75.0	100
Chloroform	FB	Ave	18252 705658	106781 792217	211312	317722	412228	5.00 175	25.0 200	50.0	75.0	100
1,1,1-Trichloroethane	FB	Ave	13569 587543	85563 686160	176883	246168	334725	5.00 175	25.0 200	50.0	75.0	100
Cyclohexane	FB	Ave	26673 1125216	170710 1292260	341392	483277	657668	5.00 175	25.0 200	50.0	75.0	100
Carbon tetrachloride	FB	Ave	10084 475471	65889 549330	133571	191073	260728	5.00 175	25.0 200	50.0	75.0	100
1,1-Dichloropropene	FB	Ave	17018 705542	100330 810608	209174	298185	413967	5.00 175	25.0 200	50.0	75.0	100
Benzene	FB	Ave	50817 2054510	307543 2302499	631248	914206	1209848	5.00 175	25.0 200	50.0	75.0	100
1,2-Dichloroethane	FB	Ave	13741 541880	81169 612832	163096	249232	317638	5.00 175	25.0 200	50.0	75.0	100
Trichloroethene	FB	Ave	12734 515969	72340 595005	154912	220595	295450	5.00 175	25.0 200	50.0	75.0	100
Methylcyclohexane	FB	Ave	19989 925870	134036 1061344	283348	391118	539058	5.00 175	25.0 200	50.0	75.0	100
1,2-Dichloropropane	FB	Ave	11318 492841	72664 563546	149199	213767	290905	5.00 175	25.0 200	50.0	75.0	100
Dibromomethane	FB	Ave	6565 235884	35663 268675	71435	106053	137104	5.00 175	25.0 200	50.0	75.0	100
Bromodichloromethane	FB	Ave	9273 464245	61304 524853	130227	196098	255188	5.00 175	25.0 200	50.0	75.0	100
cis-1,3-Dichloropropene	FB	Ave	13518 662959	85123 752290	180629	280570	374023	5.00 175	25.0 200	50.0	75.0	100
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	62719 946664	146773 1117662	285046	427226	559436	25.0 350	50.0 400	100	150	200
Toluene	CBZ	Ave	49240 2042653	308954 2303722	624935	918112	1230287	5.00 175	25.0 200	50.0	75.0	100
trans-1,3-Dichloropropene	CBZ	Ave	11205 550237	71173 624075	145532	226829	309917	5.00 175	25.0 200	50.0	75.0	100

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 48202

SDG No.:

Instrument ID: HP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2012 14:47 Calibration End Date: 09/12/2012 18:08 Calibration ID: 6627

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,1,2-Trichloroethane	CBZ	Ave	8823 357345	53211 409444	106750	163424	213096	5.00 175	25.0 200	50.0	75.0	100
Tetrachloroethene	CBZ	Ave	7371 354374	50471 413241	105506	150202	215028	5.00 175	25.0 200	50.0	75.0	100
1,3-Dichloropropane	CBZ	Ave	17581 652418	94498 733928	194962	289603	386719	5.00 175	25.0 200	50.0	75.0	100
2-Hexanone	CBZ	Ave	40863 665086	103366 778099	206549	304265	410439	25.0 350	50.0 400	100	150	200
Dibromochloromethane	CBZ	Ave	4566 275013	32225 324876	70855	110675	152498	5.00 175	25.0 200	50.0	75.0	100
1,2-Dibromoethane (EDB)	CBZ	Ave	8677 344078	48486 382744	101198	149586	198827	5.00 175	25.0 200	50.0	75.0	100
3-Chlorobenzotrifluoride	CBZ	Ave	20308 723045	103084 867770	240495	322181	435254	5.00 175	25.0 200	50.0	75.0	100
Chlorobenzene	CBZ	Ave	29060 1256269	185724 1424248	376578	544839	750997	5.00 175	25.0 200	50.0	75.0	100
4-Chlorobenzotrifluoride	CBZ	Ave	18809 677889	98436 772639	222403	283979	394892	5.00 175	25.0 200	50.0	75.0	100
1,1,1,2-Tetrachloroethane	CBZ	Ave	7578 348558	46438 406950	99024	146336	199441	5.00 175	25.0 200	50.0	75.0	100
Ethylbenzene	CBZ	Ave	15976 751206	112576 875425	233241	326251	450400	5.00 175	25.0 200	50.0	75.0	100
m-Xylene & p-Xylene	CBZ	Ave	41585 1761665	274263 2055647	558454	782826	1083787	10.0 350	50.0 400	100	150	200
o-Xylene	CBZ	Ave	20575 872145	132377 1036104	271816	383544	524386	5.00 175	25.0 200	50.0	75.0	100
Styrene	CBZ	Ave	31105 1377961	199804 1607120	420744	607695	824560	5.00 175	25.0 200	50.0	75.0	100
Bromoform	CBZ	Ave	3350 140903	16374 171507	34635	53318	73736	5.00 175	25.0 200	50.0	75.0	100
2-Chlorobenzotrifluoride	CBZ	Ave	18250 629221	99126 803913	213277	276410	389911	5.00 175	25.0 200	50.0	75.0	100
Isopropylbenzene	CBZ	Ave	46908 2024706	319635 2448908	655551	897634	1249414	5.00 175	25.0 200	50.0	75.0	100
1,1,2,2-Tetrachloroethane	DCB	Ave	11928 436621	64040 539216	134336	193520	260789	5.00 175	25.0 200	50.0	75.0	100
Bromobenzene	DCB	Ave	10219 421918	61258 510743	134136	190147	250683	5.00 175	25.0 200	50.0	75.0	100
1,2,3-Trichloropropane	DCB	Ave	3673 134104	20156 161218	42824	62631	78868	5.00 175	25.0 200	50.0	75.0	100
N-Propylbenzene	DCB	Ave	13396 575312	86293 730182	179773	254657	353132	5.00 175	25.0 200	50.0	75.0	100

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 48202

SDG No.:

Instrument ID: HP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2012 14:47 Calibration End Date: 09/12/2012 18:08 Calibration ID: 6627

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
2-Chlorotoluene	DCB	Ave	11906 464036	71160 565588	143322	207295	287851	5.00 175	25.0 200	50.0	75.0	100
3-Chlorotoluene	DCB	Ave	12948 463301	79869 597507	158350	210444	282814	5.00 175	25.0 200	50.0	75.0	100
1,3,5-Trimethylbenzene	DCB	Ave	34561 1458130	231940 1860630	471995	645407	917483	5.00 175	25.0 200	50.0	75.0	100
4-Chlorotoluene	DCB	Ave	11742 506861	79105 644437	147683	236272	315044	5.00 175	25.0 200	50.0	75.0	100
tert-Butylbenzene	DCB	Ave	30925 1252530	206281 1642397	415351	547927	803593	5.00 175	25.0 200	50.0	75.0	100
1,2,4-Trimethylbenzene	DCB	Ave	32892 1401507	232446 1863511	466276	636834	885474	5.00 175	25.0 200	50.0	75.0	100
3,4-Dichlorobenzotrifluoride	DCB	Ave	11344 358848	60839 498287	125151	160384	232792	5.00 175	25.0 200	50.0	75.0	100
sec-Butylbenzene	DCB	Ave	40610 1701474	285480 2274299	560407	741670	1098710	5.00 175	25.0 200	50.0	75.0	100
1,3-Dichlorobenzene	DCB	Ave	17668 731437	113965 958719	227601	327210	446411	5.00 175	25.0 200	50.0	75.0	100
4-Isopropyltoluene	DCB	Ave	32297 1378154	228294 1885412	456023	603493	891292	5.00 175	25.0 200	50.0	75.0	100
1,4-Dichlorobenzene	DCB	Ave	19615 734614	118790 982130	236301	328062	453498	5.00 175	25.0 200	50.0	75.0	100
2,4-Dichlorobenzotrifluoride	DCB	Ave	9894 287473	50524 435285	100045	134579	187367	5.00 175	25.0 200	50.0	75.0	100
2,5-Dichlorobenzotrifluoride	DCB	Ave	11277 352803	55403 486081	120742	147521	227726	5.00 175	25.0 200	50.0	75.0	100
n-Butylbenzene	DCB	Ave	25201 1156875	180766 1606247	358881	490840	724272	5.00 175	25.0 200	50.0	75.0	100
1,2-Dichlorobenzene	DCB	Ave	16566 640988	101384 890510	207420	288815	398685	5.00 175	25.0 200	50.0	75.0	100
1,2-Dibromo-3-Chloropropane	DCB	Ave	1123 52625	7836 80659	14909	20725	29358	5.00 175	25.0 200	50.0	75.0	100
2,4- & 2,5- & 2,6- Dichlorotoluene	DCB	Ave	34838 1258666	203025 1893870	412872	541028	745198	15.0 525	75.0 600	150	225	300
1,3,5-Trichlorobenzene	DCB	Ave	9565 333790	52270 504810	108476	139717	193210	5.00 175	25.0 200	50.0	75.0	100
2,3- & 3,4- Dichlorotoluene	DCB	Ave	21760 814399	129842 1242617	263881	348048	458038	10.0 350	50.0 400	100	150	200
1,2,4-Trichlorobenzene	DCB	Ave	7227 303611	46480 451281	84870	127545	162451	5.00 175	25.0 200	50.0	75.0	100
Hexachlorobutadiene	DCB	Ave	2791 97442	16973 151012	32700	44478	57868	5.00 175	25.0 200	50.0	75.0	100

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 48202

SDG No.:

Instrument ID: HP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2012 14:47 Calibration End Date: 09/12/2012 18:08 Calibration ID: 6627

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Naphthalene	DCB	Ave	22858 882088	131043 1290112	251594	376134	463209	5.00 175	25.0 200	50.0	75.0	100
1,2,3-Trichlorobenzene	DCB	Ave	6349 244408	36266 347091	71345	100545	122963	5.00 175	25.0 200	50.0	75.0	100
2,4,5-Trichlorotoluene	DCB	Ave	3641 124011	16449 159418	33711	47630	59656	5.00 175	25.0 200	50.0	75.0	100
2,3,6-Trichlorotoluene	DCB	Ave	2489 97249	13965 123378	27710	38531	47152	5.00 175	25.0 200	50.0	75.0	100
Dibromofluoromethane (Surr)	FB	Ave	9701 364125	53605 441342	108820	155633	211801	5.00 175	25.0 200	50.0	75.0	100
1,2-Dichloroethane-d4 (Surr)	FB	Ave	11147 399856	57506 485501	123508	173213	239411	5.00 175	25.0 200	50.0	75.0	100
Toluene-d8 (Surr)	CBZ	Ave	47171 1700396	258814 2015055	528897	724920	1035756	5.00 175	25.0 200	50.0	75.0	100
4-Bromofluorobenzene (Surr)	CBZ	Ave	15690 533033	80331 667503	168332	229683	321047	5.00 175	25.0 200	50.0	75.0	100

Curve Type Legend:

Ave = Average ISTD
Qua = Quadratic ISTD

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6091212d.b\60912009.D
Lab Smp Id: IC 5 Client Smp ID: IC 5
Inj Date : 12-SEP-2012 14:47
Operator : 001562 Inst ID: hp6.i
Smp Info : IC, 5
Misc Info : T6091212d.b,T8260bllw.m,1-dwh2o.sub
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6091212d.b\T8260bllw.m
Meth Date : 12-Sep-2012 15:56 hp6.i Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 58 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-dwh2o.sub
Target Version: 4.14
Processing Host: PITPC-530

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
* 46 Fluorobenzene (IS)	96	7.303	7.303	(1.000)	587720	50.0000	
* 69 Chlorobenzene-d5	119	10.400	10.400	(1.000)	120871	50.0000	(Q)
* 92 1,4-Dichlorobenzene-d4	152	12.724	12.724	(1.000)	152440	50.0000	(Q)
$ 39 Dibromofluoromethane (Surr)	113	6.561	6.561	(0.898)	53605	25.0000	0.0000(Q)
$ 43 1,2-Dichloroethane-d4	65	6.932	6.932	(0.949)	57506	25.0000	0.0000(Q)
$ 59 Toluene-d8	98	8.958	8.958	(0.861)	258814	25.0000	0.0000(Q)
$ 80 Bromofluorobenzene (Surr)	95	11.568	11.568	(1.112)	80331	25.0000	0.0000(Q)
1 Dichlorodifluoromethane	85	1.603	1.603	(0.220)	70893	25.0000	0.0000(Q)
2 Chloromethane	50	1.767	1.767	(0.242)	111222	25.0000	0.0000(Q)
3 Vinyl Chloride	62	1.901	1.901	(0.260)	85890	25.0000	0.0000(Q)
4 Bromomethane	94	2.272	2.272	(0.311)	27929	25.0000	0.0000(Q)
5 Chloroethane	64	2.418	2.418	(0.331)	35488	25.0000	0.0000
6 Trichlorofluoromethane	101	2.735	2.735	(0.374)	88260	25.0000	0.0000(Q)
10 1,1,2-trichloro-1,2,2-trifluor	101	3.452	3.452	(0.473)	65532	25.0000	0.0000(Q)
12 1,1-Dichloroethene	96	3.410	3.410	(0.467)	72400	25.0000	0.0000(Q)
15 Carbon Disulfide	76	3.678	3.678	(0.504)	167031	25.0000	0.0000(Q)
13 Acetone	43	3.519	3.519	(0.482)	36041	50.0000	0.0000(Q)
17 Acetonitrile	40	3.957	3.957	(0.542)	84837	500.000	0.0000
18 Methylene Chloride	84	4.170	4.170	(0.571)	79170	25.0000	0.0000(Q)
19 trans-1,2-Dichloroethene	96	4.596	4.596	(0.629)	74183	25.0000	0.0000(Q)
20 Methyl tert-butyl ether	73	4.620	4.620	(0.633)	184198	25.0000	0.0000(Q)
24 1,1-Dichloroethane	63	5.204	5.204	(0.713)	130400	25.0000	0.0000(Q)
27 2,2-Dichloropropane	77	5.959	5.959	(0.816)	62907	25.0000	0.0000(Q)
28 cis-1,2-dichloroethene	96	5.971	5.971	(0.818)	80582	25.0000	0.0000(Q)
M 29 1,2-Dichloroethene (total)	96				154765	50.0000	0.0000
30 Bromochloromethane	128	6.257	6.257	(0.857)	31317	25.0000	0.0000(Q)
31 2-Butanone	43	6.020	6.020	(0.824)	61916	50.0000	0.0000(Q)
37 Chloroform	83	6.379	6.379	(0.873)	106781	25.0000	0.0000(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	38 1,1,1-Trichloroethane	97	6.561	6.561	(0.898)	85563	25.0000	0.0000(Q)
	40 1,1-Dichloropropene	75	6.756	6.756	(0.925)	100330	25.0000	0.0000(Q)
	41 Carbon Tetrachloride	117	6.750	6.750	(0.924)	65889	25.0000	0.0000(Q)
	42 Benzene	78	6.987	6.987	(0.957)	307543	25.0000	0.0000(Q)
	45 1,2-Dichloroethane	62	7.011	7.011	(0.960)	81169	25.0000	0.0000(Q)
	47 Trichloroethene	130	7.699	7.699	(1.054)	72340	25.0000	0.0000(Q)
	49 1,2-Dichloropropane	63	7.942	7.942	(1.087)	72664	25.0000	0.0000(Q)
	50 Dibromomethane	93	8.058	8.058	(1.103)	35663	25.0000	0.0000(Q)
	53 Bromodichloromethane	83	8.234	8.234	(1.127)	61304	25.0000	0.0000(Q)
	57 cis-1,3-Dichloropropene	75	8.690	8.690	(1.190)	85123	25.0000	0.0000(Q)
	58 4-Methyl-2-Pentanone	43	8.855	8.855	(0.851)	146773	50.0000	0.0000(Q)
	60 Toluene	91	9.025	9.025	(0.868)	308954	25.0000	0.0000(Q)
	61 trans-1,3-Dichloropropene	75	9.256	9.256	(0.890)	71173	25.0000	0.0000(Q)
	63 1,3-Dichloropropane	76	9.603	9.603	(0.923)	94498	25.0000	0.0000(Q)
	64 1,1,2-Trichloroethane	97	9.439	9.439	(0.908)	53211	25.0000	0.0000(Q)
	65 Tetrachloroethene	164	9.578	9.578	(0.921)	50471	25.0000	0.0000(Q)
	66 2-Hexanone	43	9.688	9.688	(0.932)	103366	50.0000	0.0000(Q)
	67 Dibromochloromethane	129	9.828	9.828	(0.945)	32225	25.0000	0.0000(Q)
	68 1,2-Dibromoethane	107	9.943	9.943	(0.956)	48486	25.0000	0.0000(Q)
	70 Chlorobenzene	112	10.430	10.430	(1.003)	185724	25.0000	0.0000(Q)
	71 1,1,1,2-Tetrachloroethane	131	10.509	10.509	(1.011)	46438	25.0000	0.0000(Q)
	72 Ethylbenzene	106	10.540	10.540	(1.013)	112576	25.0000	0.0000(Q)
	73 m + p-Xylene	106	10.655	10.655	(1.025)	274263	50.0000	0.0000(Q)
	74 Xylene-o	106	11.051	11.051	(1.063)	132377	25.0000	0.0000(Q)
M	75 Xylenes (total)	106				406640	75.0000	0.0000
	76 Styrene	104	11.063	11.063	(1.064)	199804	25.0000	0.0000(Q)
	77 Bromoform	173	11.251	11.251	(1.082)	16374	25.0000	0.0000(Q)
	78 Isopropylbenzene	105	11.416	11.416	(1.098)	319635	25.0000	0.0000(Q)
	79 Bromobenzene	156	11.720	11.720	(0.921)	61258	25.0000	0.0000(Q)
	81 n-Propylbenzene	120	11.829	11.829	(0.930)	86293	25.0000	0.0000(Q)
	82 2-Chlorotoluene	126	11.915	11.915	(0.936)	71160	25.0000	0.0000(Q)
	83 1,1,2,2-Tetrachloroethane	83	11.714	11.714	(0.921)	64040	25.0000	0.0000(Q)
	84 1,2,3-Trichloropropane	110	11.756	11.756	(0.924)	20156	25.0000	0.0000(Q)
	85 4-Chlorotoluene	126	12.018	12.018	(0.945)	79105	25.0000	0.0000(Q)
	86 1,3,5-Trimethylbenzene	105	12.000	12.000	(0.943)	231940	25.0000	0.0000(Q)
	87 tert-Butylbenzene	119	12.328	12.328	(0.969)	206281	25.0000	0.0000(Q)
	88 1,2,4-Trimethylbenzene	105	12.371	12.371	(0.972)	232446	25.0000	0.0000(Q)
	89 sec-Butylbenzene	105	12.547	12.547	(0.986)	285480	25.0000	0.0000(Q)
	90 4-Isopropyltoluene	119	12.687	12.687	(0.997)	228294	25.0000	0.0000(Q)
	91 1,3-Dichlorobenzene	146	12.657	12.657	(0.995)	113965	25.0000	0.0000(Q)
	93 1,4-Dichlorobenzene	146	12.748	12.748	(1.002)	118790	25.0000	0.0000(Q)
	94 n-Butylbenzene	91	13.101	13.101	(1.030)	180766	25.0000	0.0000(Q)
	95 1,2-Dichlorobenzene	146	13.125	13.125	(1.032)	101384	25.0000	0.0000(Q)
	96 1,2-Dibromo-3-chloropropane	157	13.910	13.910	(1.093)	7836	25.0000	0.0000(Q)
	97 1,2,4-Trichlorobenzene	180	14.737	14.737	(1.158)	46480	25.0000	0.0000(Q)
	98 Hexachlorobutadiene	225	14.908	14.908	(1.172)	16973	25.0000	0.0000(Q)
	99 Naphthalene	128	14.987	14.987	(1.178)	131043	25.0000	0.0000
	100 1,2,3-Trichlorobenzene	180	15.236	15.236	(1.197)	36266	25.0000	0.0000(Q)
	156 Methyl Acetate	43	4.055	4.055	(0.555)	56367	25.0000	0.0000(Q)
	157 Cyclohexane	56	6.622	6.622	(0.907)	170710	25.0000	0.0000(Q)
	158 Methyl Cyclohexane	83	7.893	7.893	(1.081)	134036	25.0000	0.0000(Q)
	160 1,3,5-Trichlorobenzene	180	14.117	14.117	(1.109)	52270	25.0000	0.0000(Q)
	168 3-Chlorobenzotrifluoride	180	10.406	10.406	(1.001)	103084	25.0000	0.0000(Q)
	169 4-Chlorobenzotrifluoride	180	10.461	10.461	(1.006)	98436	25.0000	0.0000(Q)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
170 2-Chlorobenzotrifluoride	180	11.312	11.312	(1.088)	99126	25.0000	0.0000(Q)
171 3-Chlorotoluene	126	11.975	11.975	(0.941)	79869	25.0000	0.0000(Q)
172 3,4-Dichlorobenzotrifluoride	214	12.438	12.438	(0.978)	60839	25.0000	0.0000(Q)
173 2,4-Dichlorobenzotrifluoride	214	12.797	12.797	(1.006)	50524	25.0000	0.0000(Q)
174 2,5-Dichlorobenzotrifluoride	214	12.845	12.845	(1.010)	55403	25.0000	0.0000(Q)
175 Dichlorotoluene(2,4/2,5/2,6)	125	14.050	14.050	(1.104)	203025	75.0000	0.0000(Q)
176 Dichlorotoluene(2,3/3,4)	125	14.470	14.470	(1.137)	129842	50.0000	0.0000(Q)
177 2,4,5-Trichlorotoluene	159	16.112	16.112	(1.266)	16449	25.0000	0.0000(Q)
178 2,3,6-Trichlorotoluene	159	16.234	16.234	(1.276)	13965	25.0000	0.0000(Q)

QC Flag Legend

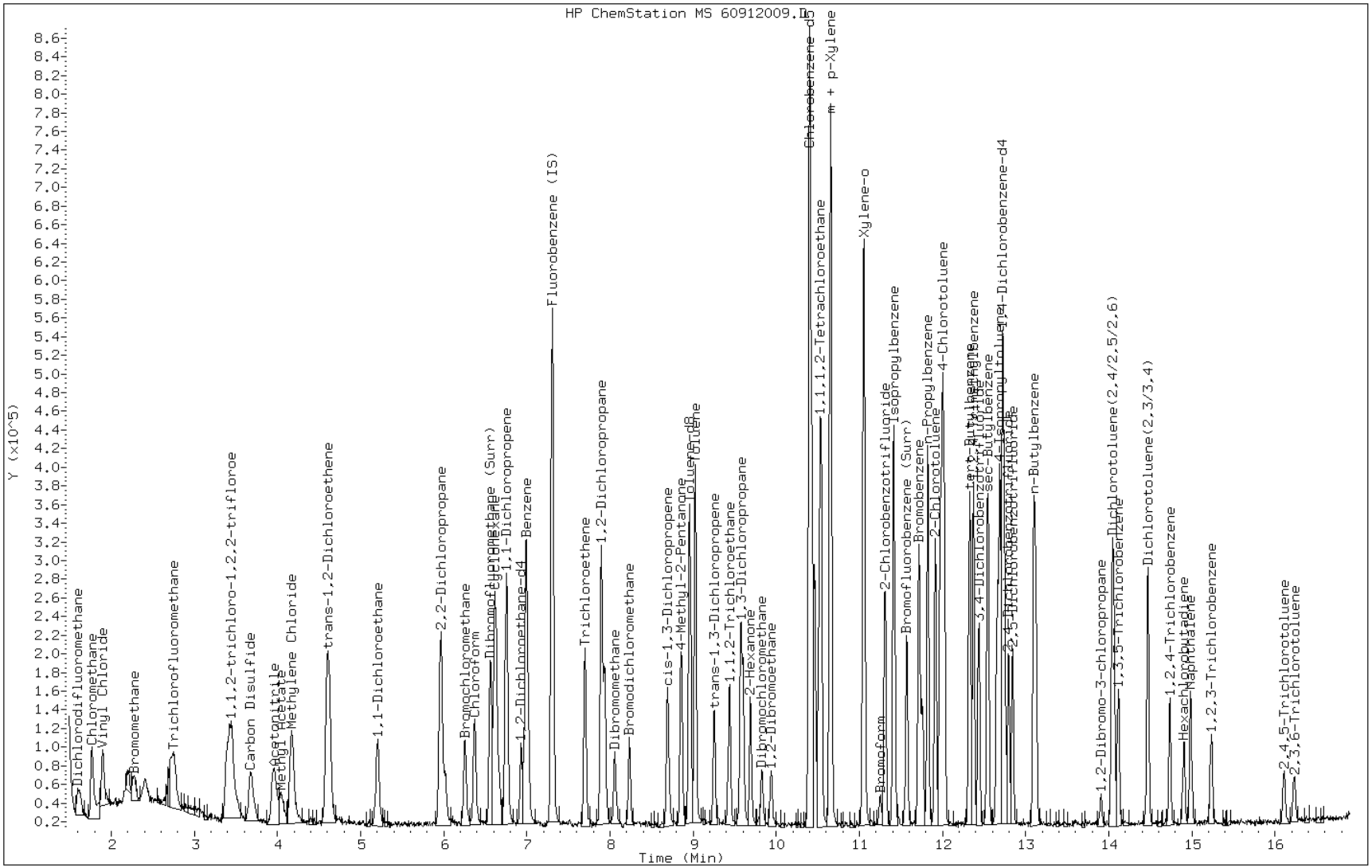
Q - Qualifier signal failed the ratio test.

Data File: 60912009.D

Date: 12-SEP-2012 14:47

Client ID: IC 5 Instrument: hp6.i

Sample Info: IC, 5 Operator: 001562



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VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6091212d.b\60912010.D
Lab Smp Id: ICIS Client Smp ID: ICIS
Inj Date : 12-SEP-2012 15:11
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Cal Date : 12-SEP-2012 14:47 Cal File: 60912009.D
Als bottle: 59 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-dwh2o.sub
Target Version: 4.14
Processing Host: PITPC-530

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 46 Fluorobenzene (IS)	96	7.306	7.306	(1.000)	593264	50.0000	
* 69 Chlorobenzene-d5	119	10.402	10.402	(1.000)	124707	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.726	12.726	(1.000)	153265	50.0000	
$ 39 Dibromofluoromethane (Surr)	113	6.557	6.557	(0.898)	108820	50.0000	50.28
$ 43 1,2-Dichloroethane-d4	65	6.934	6.934	(0.949)	123508	50.0000	53.19
$ 59 Toluene-d8	98	8.960	8.960	(0.861)	528897	50.0000	49.52
$ 80 Bromofluorobenzene (Surr)	95	11.564	11.564	(1.112)	168332	50.0000	50.78
1 Dichlorodifluoromethane	85	1.605	1.605	(0.220)	142578	50.0000	49.81
2 Chloromethane	50	1.757	1.757	(0.241)	220492	50.0000	49.10
3 Vinyl Chloride	62	1.897	1.897	(0.260)	181985	50.0000	52.48
4 Bromomethane	94	2.262	2.262	(0.310)	58379	50.0000	51.77
5 Chloroethane	64	2.396	2.396	(0.328)	75842	50.0000	52.93
6 Trichlorofluoromethane	101	2.725	2.725	(0.373)	179649	50.0000	50.41
10 1,1,2-trichloro-1,2,2-trifluor	101	3.443	3.443	(0.471)	132910	50.0000	50.23
12 1,1-Dichloroethene	96	3.388	3.388	(0.464)	142280	50.0000	48.67
15 Carbon Disulfide	76	3.680	3.680	(0.504)	337428	50.0000	50.03
13 Acetone	43	3.509	3.509	(0.480)	77992	100.000	107.2
17 Acetonitrile	40	3.954	3.954	(0.541)	157185	1000.00	917.7
18 Methylene Chloride	84	4.166	4.166	(0.570)	150693	50.0000	47.14
19 trans-1,2-Dichloroethene	96	4.592	4.592	(0.629)	150191	50.0000	50.14
20 Methyl tert-butyl ether	73	4.617	4.617	(0.632)	374540	50.0000	50.36
24 1,1-Dichloroethane	63	5.201	5.201	(0.712)	268727	50.0000	51.04
27 2,2-Dichloropropane	77	5.955	5.955	(0.815)	138538	50.0000	54.54
28 cis-1,2-dichloroethene	96	5.973	5.973	(0.818)	162360	50.0000	49.90
M 29 1,2-Dichloroethene (total)	96				312551	100.000	100.0
30 Bromochloromethane	128	6.259	6.259	(0.857)	65617	50.0000	51.89
31 2-Butanone	43	6.016	6.016	(0.823)	131699	100.000	105.4
37 Chloroform	83	6.375	6.375	(0.873)	211312	50.0000	49.01

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	38 1,1,1-Trichloroethane	97	6.563	6.563	(0.898)	176883	50.0000	51.20
	40 1,1-Dichloropropene	75	6.758	6.758	(0.925)	209174	50.0000	51.63
	41 Carbon Tetrachloride	117	6.746	6.746	(0.923)	133571	50.0000	50.21
	42 Benzene	78	6.989	6.989	(0.957)	631248	50.0000	50.83
	45 1,2-Dichloroethane	62	7.020	7.020	(0.961)	163096	50.0000	49.76
	47 Trichloroethene	130	7.701	7.701	(1.054)	154912	50.0000	53.04
	49 1,2-Dichloropropane	63	7.938	7.938	(1.087)	149199	50.0000	50.85
	50 Dibromomethane	93	8.060	8.060	(1.103)	71435	50.0000	49.61
	53 Bromodichloromethane	83	8.230	8.230	(1.127)	130227	50.0000	52.61
	57 cis-1,3-Dichloropropene	75	8.693	8.693	(1.190)	180629	50.0000	52.55
	58 4-Methyl-2-Pentanone	43	8.857	8.857	(0.851)	285046	100.000	94.12
	60 Toluene	91	9.027	9.027	(0.868)	624935	50.0000	49.01
	61 trans-1,3-Dichloropropene	75	9.252	9.252	(0.889)	145532	50.0000	49.55
	63 1,3-Dichloropropane	76	9.605	9.605	(0.923)	194962	50.0000	49.99
	64 1,1,2-Trichloroethane	97	9.435	9.435	(0.907)	106750	50.0000	48.61
	65 Tetrachloroethene	164	9.575	9.575	(0.920)	105506	50.0000	50.65
	66 2-Hexanone	43	9.690	9.690	(0.932)	206549	100.000	96.84
	67 Dibromochloromethane	129	9.830	9.830	(0.945)	70855	50.0000	53.28
	68 1,2-Dibromoethane	107	9.940	9.940	(0.956)	101198	50.0000	50.57
	70 Chlorobenzene	112	10.426	10.426	(1.002)	376578	50.0000	49.13
	71 1,1,1,2-Tetrachloroethane	131	10.512	10.512	(1.011)	99024	50.0000	51.67
	72 Ethylbenzene	106	10.536	10.536	(1.013)	233241	50.0000	50.20
	73 m + p-Xylene	106	10.658	10.658	(1.025)	558454	100.000	98.68
	74 Xylene-o	106	11.047	11.047	(1.062)	271816	50.0000	49.75
M	75 Xylenes (total)	106				830270	150.000	148.4
	76 Styrene	104	11.065	11.065	(1.064)	420744	50.0000	51.02
	77 Bromoform	173	11.254	11.254	(1.082)	34635	50.0000	51.25
	78 Isopropylbenzene	105	11.418	11.418	(1.098)	655551	50.0000	49.70
	79 Bromobenzene	156	11.722	11.722	(0.921)	134136	50.0000	54.45
	81 n-Propylbenzene	120	11.826	11.826	(0.929)	179773	50.0000	51.80
	82 2-Chlorotoluene	126	11.917	11.917	(0.936)	143322	50.0000	50.08
	83 1,1,2,2-Tetrachloroethane	83	11.716	11.716	(0.921)	134336	50.0000	52.16
	84 1,2,3-Trichloropropane	110	11.759	11.759	(0.924)	42824	50.0000	52.83
	85 4-Chlorotoluene	126	12.020	12.020	(0.945)	147683	50.0000	46.42
	86 1,3,5-Trimethylbenzene	105	11.996	11.996	(0.943)	471995	50.0000	50.60
	87 tert-Butylbenzene	119	12.324	12.324	(0.968)	415351	50.0000	50.07
	88 1,2,4-Trimethylbenzene	105	12.373	12.373	(0.972)	466276	50.0000	49.88
	89 sec-Butylbenzene	105	12.550	12.550	(0.986)	560407	50.0000	48.81
	90 4-Isopropyltoluene	119	12.689	12.689	(0.997)	456023	50.0000	49.67
	91 1,3-Dichlorobenzene	146	12.659	12.659	(0.995)	227601	50.0000	49.66
	93 1,4-Dichlorobenzene	146	12.750	12.750	(1.002)	236301	50.0000	49.46
	94 n-Butylbenzene	91	13.103	13.103	(1.030)	358881	50.0000	49.37
	95 1,2-Dichlorobenzene	146	13.127	13.127	(1.032)	207420	50.0000	50.87
	96 1,2-Dibromo-3-chloropropane	157	13.900	13.900	(1.092)	14909	50.0000	47.31
	97 1,2,4-Trichlorobenzene	180	14.733	14.733	(1.158)	84870	50.0000	45.40
	98 Hexachlorobutadiene	225	14.904	14.904	(1.171)	32700	50.0000	47.90
	99 Naphthalene	128	14.989	14.989	(1.178)	251594	50.0000	47.74
	100 1,2,3-Trichlorobenzene	180	15.238	15.238	(1.197)	71345	50.0000	48.92
	156 Methyl Acetate	43	4.045	4.045	(0.554)	120700	50.0000	53.03
	157 Cyclohexane	56	6.618	6.618	(0.906)	341392	50.0000	49.53
	158 Methyl Cyclohexane	83	7.896	7.896	(1.081)	283348	50.0000	52.36
	160 1,3,5-Trichlorobenzene	180	14.113	14.113	(1.109)	108476	50.0000	51.60
	168 3-Chlorobenzotrifluoride	180	10.408	10.408	(1.001)	240495	50.0000	56.53
	169 4-Chlorobenzotrifluoride	180	10.463	10.463	(1.006)	222403	50.0000	54.75

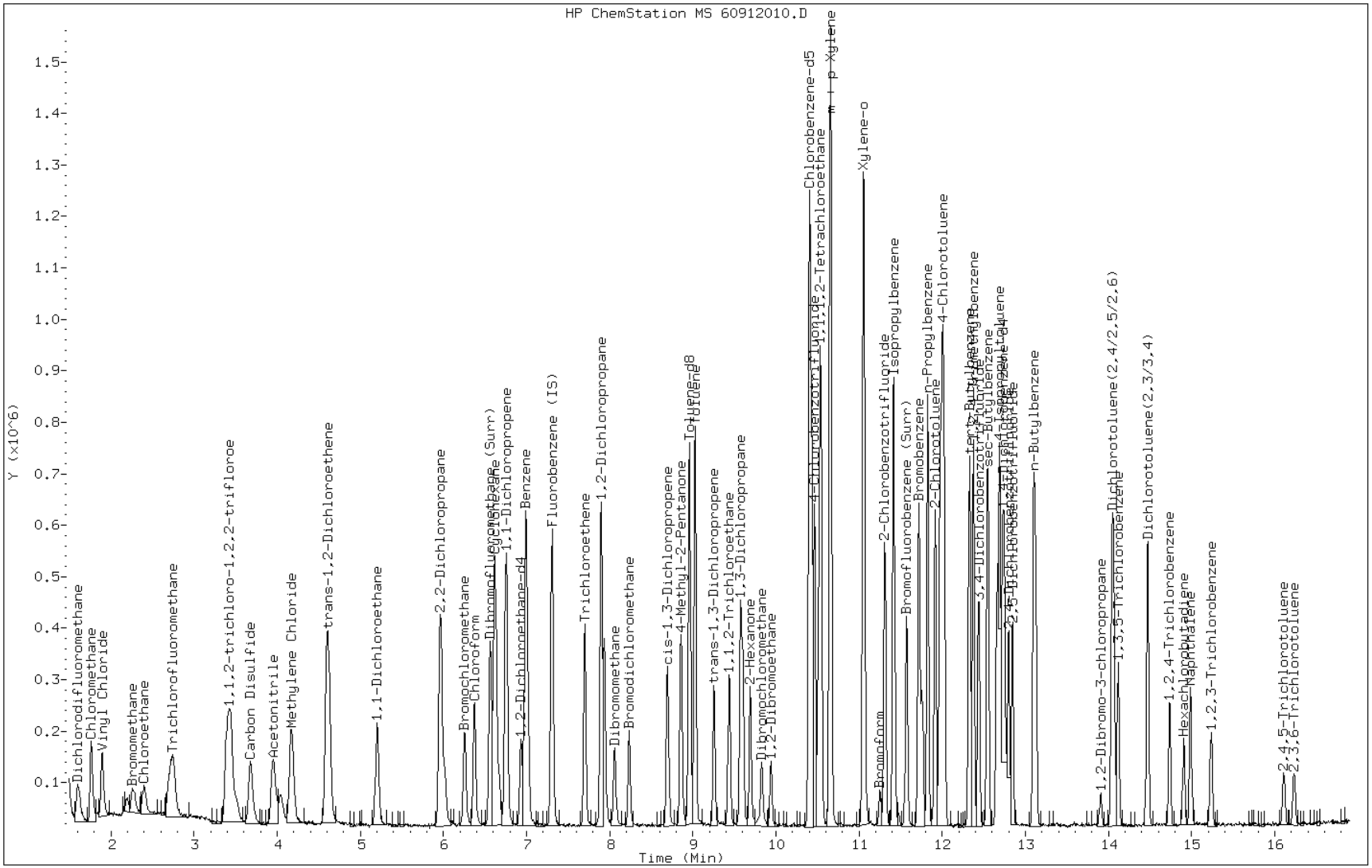
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
170 2-Chlorobenzotrifluoride	180	11.315	11.315	(1.088)	213277	50.0000	52.13
171 3-Chlorotoluene	126	11.978	11.978	(0.941)	158350	50.0000	49.30
172 3,4-Dichlorobenzotrifluoride	214	12.440	12.440	(0.978)	125151	50.0000	51.15
173 2,4-Dichlorobenzotrifluoride	214	12.799	12.799	(1.006)	100045	50.0000	49.24
174 2,5-Dichlorobenzotrifluoride	214	12.848	12.848	(1.010)	120742	50.0000	54.19
175 Dichlorotoluene(2,4/2,5/2,6)	125	14.052	14.052	(1.104)	412872	150.000	151.7
176 Dichlorotoluene(2,3/3,4)	125	14.472	14.472	(1.137)	263881	100.000	101.1
177 2,4,5-Trichlorotoluene	159	16.108	16.108	(1.266)	33711	50.0000	50.96
178 2,3,6-Trichlorotoluene	159	16.230	16.230	(1.275)	27710	50.0000	49.34

Data File: 60912010.D

Date: 12-SEP-2012 15:11

Client ID: ICIS | Instrument: hp6.i

Sample Info: ICIS, 10 | Operator: 001562



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VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6091212d.b\60912011.D
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Inj Date : 12-SEP-2012 15:35
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Meth Date : 12-Sep-2012 15:56 hp6.i Quant Type: ISTD
Cal Date : 12-SEP-2012 15:11 Cal File: 60912010.D
Als bottle: 60 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-dwh2o.sub
Target Version: 4.14
Processing Host: PITPC-530

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 46 Fluorobenzene (IS)	96	7.308	7.308	(1.000)	533023	50.0000	
* 69 Chlorobenzene-d5	119	10.399	10.399	(1.000)	112710	50.0000	(M)
* 92 1,4-Dichlorobenzene-d4	152	12.722	12.722	(1.000)	135050	50.0000	
$ 39 Dibromofluoromethane (Surr)	113	6.560	6.560	(0.898)	155633	75.0000	79.81
$ 43 1,2-Dichloroethane-d4	65	6.931	6.931	(0.948)	173213	75.0000	80.46
$ 59 Toluene-d8	98	8.957	8.957	(0.861)	724920	75.0000	75.46
$ 80 Bromofluorobenzene (Surr)	95	11.567	11.567	(1.112)	229683	75.0000	76.06
1 Dichlorodifluoromethane	85	1.602	1.602	(0.219)	195848	75.0000	76.30
2 Chloromethane	50	1.766	1.766	(0.242)	303604	75.0000	75.93
3 Vinyl Chloride	62	1.894	1.894	(0.259)	244955	75.0000	76.72
4 Bromomethane	94	2.277	2.277	(0.312)	75171	75.0000	72.90
5 Chloroethane	64	2.405	2.405	(0.329)	98845	75.0000	74.59
6 Trichlorofluoromethane	101	2.727	2.727	(0.373)	230836	75.0000	71.80
10 1,1,2-trichloro-1,2,2-trifluor	101	3.445	3.445	(0.471)	188024	75.0000	78.91
12 1,1-Dichloroethene	96	3.397	3.397	(0.465)	199033	75.0000	76.80
15 Carbon Disulfide	76	3.676	3.676	(0.503)	486538	75.0000	80.27
13 Acetone	43	3.518	3.518	(0.481)	93655	150.000	138.3
17 Acetonitrile	40	3.950	3.950	(0.541)	196860	1500.00	1334
18 Methylene Chloride	84	4.175	4.175	(0.571)	220637	75.0000	79.08
19 trans-1,2-Dichloroethene	96	4.595	4.595	(0.629)	213485	75.0000	79.22
20 Methyl tert-butyl ether	73	4.619	4.619	(0.632)	558287	75.0000	83.25
24 1,1-Dichloroethane	63	5.203	5.203	(0.712)	394461	75.0000	82.53
27 2,2-Dichloropropane	77	5.952	5.952	(0.814)	186087	75.0000	78.00
28 cis-1,2-dichloroethene	96	5.970	5.970	(0.817)	241800	75.0000	82.80
M 29 1,2-Dichloroethene (total)	96				455285	150.000	162.0
30 Bromochloromethane	128	6.256	6.256	(0.856)	98601	75.0000	85.18
31 2-Butanone	43	6.018	6.018	(0.824)	179130	150.000	155.3
37 Chloroform	83	6.377	6.377	(0.873)	317722	75.0000	82.84

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	38 1,1,1-Trichloroethane	97	6.566	6.566	(0.898)	246168	75.0000	78.37
	40 1,1-Dichloropropene	75	6.755	6.755	(0.924)	298185	75.0000	80.61
	41 Carbon Tetrachloride	117	6.755	6.755	(0.924)	191073	75.0000	79.77
	42 Benzene	78	6.992	6.992	(0.957)	914206	75.0000	81.26
	45 1,2-Dichloroethane	62	7.016	7.016	(0.960)	249232	75.0000	84.84
	47 Trichloroethene	130	7.698	7.698	(1.053)	220595	75.0000	81.58
	49 1,2-Dichloropropane	63	7.941	7.941	(1.087)	213767	75.0000	80.41
	50 Dibromomethane	93	8.063	8.063	(1.103)	106053	75.0000	82.29
	53 Bromodichloromethane	83	8.233	8.233	(1.127)	196098	75.0000	85.93
	57 cis-1,3-Dichloropropene	75	8.695	8.695	(1.190)	280570	75.0000	88.59
	58 4-Methyl-2-Pentanone	43	8.853	8.853	(0.851)	427226	150.000	160.8
	60 Toluene	91	9.024	9.024	(0.868)	918112	75.0000	80.46
	61 trans-1,3-Dichloropropene	75	9.255	9.255	(0.890)	226829	75.0000	85.83
	63 1,3-Dichloropropane	76	9.602	9.602	(0.923)	289603	75.0000	82.17
	64 1,1,2-Trichloroethane	97	9.437	9.437	(0.908)	163424	75.0000	83.50
	65 Tetrachloroethene	164	9.571	9.571	(0.920)	150202	75.0000	79.27
	66 2-Hexanone	43	9.693	9.693	(0.932)	304265	150.000	160.4
	67 Dibromochloromethane	129	9.827	9.827	(0.945)	110675	75.0000	89.16
	68 1,2-Dibromoethane	107	9.942	9.942	(0.956)	149586	75.0000	82.24
	70 Chlorobenzene	112	10.429	10.429	(1.003)	544839	75.0000	79.34
	71 1,1,1,2-Tetrachloroethane	131	10.514	10.514	(1.011)	146336	75.0000	83.10
	72 Ethylbenzene	106	10.539	10.539	(1.013)	326251	75.0000	77.54
	73 m + p-Xylene	106	10.654	10.654	(1.025)	782826	150.000	154.1
	74 Xylene-o	106	11.050	11.050	(1.063)	383544	75.0000	77.87
M	75 Xylenes (total)	106				1166370	225.000	231.9
	76 Styrene	104	11.062	11.062	(1.064)	607695	75.0000	80.71
	77 Bromoform	173	11.256	11.256	(1.082)	53318	75.0000	86.22
	78 Isopropylbenzene	105	11.415	11.415	(1.098)	897634	75.0000	75.52
	79 Bromobenzene	156	11.725	11.725	(0.922)	190147	75.0000	83.86
	81 n-Propylbenzene	120	11.822	11.822	(0.929)	254657	75.0000	81.80
	82 2-Chlorotoluene	126	11.913	11.913	(0.936)	207295	75.0000	82.14
	83 1,1,2,2-Tetrachloroethane	83	11.713	11.713	(0.921)	193520	75.0000	83.47
	84 1,2,3-Trichloropropane	110	11.761	11.761	(0.924)	62631	75.0000	85.27
	85 4-Chlorotoluene	126	12.023	12.023	(0.945)	236272	75.0000	87.41
	86 1,3,5-Trimethylbenzene	105	11.999	11.999	(0.943)	645407	75.0000	78.06
	87 tert-Butylbenzene	119	12.327	12.327	(0.969)	547927	75.0000	74.91
	88 1,2,4-Trimethylbenzene	105	12.376	12.376	(0.973)	636834	75.0000	77.41
	89 sec-Butylbenzene	105	12.546	12.546	(0.986)	741670	75.0000	74.19
	90 4-Isopropyltoluene	119	12.692	12.692	(0.998)	603493	75.0000	74.84
	91 1,3-Dichlorobenzene	146	12.662	12.662	(0.995)	327210	75.0000	81.30
	93 1,4-Dichlorobenzene	146	12.747	12.747	(1.002)	328062	75.0000	78.35
	94 n-Butylbenzene	91	13.100	13.100	(1.030)	490840	75.0000	77.11
	95 1,2-Dichlorobenzene	146	13.124	13.124	(1.032)	288815	75.0000	79.69
	96 1,2-Dibromo-3-chloropropane	157	13.909	13.909	(1.093)	20725	75.0000	76.70
	97 1,2,4-Trichlorobenzene	180	14.736	14.736	(1.158)	127545	75.0000	81.17
	98 Hexachlorobutadiene	225	14.906	14.906	(1.172)	44478	75.0000	75.53
	99 Naphthalene	128	14.986	14.986	(1.178)	376134	75.0000	82.87
	100 1,2,3-Trichlorobenzene	180	15.235	15.235	(1.197)	100545	75.0000	79.09
	156 Methyl Acetate	43	4.047	4.047	(0.554)	166170	75.0000	78.87
	157 Cyclohexane	56	6.621	6.621	(0.906)	483277	75.0000	78.41
	158 Methyl Cyclohexane	83	7.898	7.898	(1.081)	391118	75.0000	78.58
	160 1,3,5-Trichlorobenzene	180	14.116	14.116	(1.109)	139717	75.0000	74.24
	168 3-Chlorobenzotrifluoride	180	10.405	10.405	(1.001)	322181	75.0000	78.66
	169 4-Chlorobenzotrifluoride	180	10.466	10.466	(1.006)	283979	75.0000	73.84

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
170 2-Chlorobenzotrifluoride	180	11.311	11.311	(1.088)	276410	75.0000	73.20
171 3-Chlorotoluene	126	11.974	11.974	(0.941)	210444	75.0000	74.88
172 3,4-Dichlorobenzotrifluoride	214	12.443	12.443	(0.978)	160384	75.0000	73.54
173 2,4-Dichlorobenzotrifluoride	214	12.795	12.795	(1.006)	134579	75.0000	75.74
174 2,5-Dichlorobenzotrifluoride	214	12.844	12.844	(1.010)	147521	75.0000	72.12
175 Dichlorotoluene(2,4/2,5/2,6)	125	14.043	14.043	(1.104)	541028	225.000	224.3
176 Dichlorotoluene(2,3/3,4)	125	14.468	14.468	(1.137)	348048	150.000	150.5
177 2,4,5-Trichlorotoluene	159	16.111	16.111	(1.266)	47630	75.0000	80.94
178 2,3,6-Trichlorotoluene	159	16.233	16.233	(1.276)	38531	75.0000	78.38

QC Flag Legend

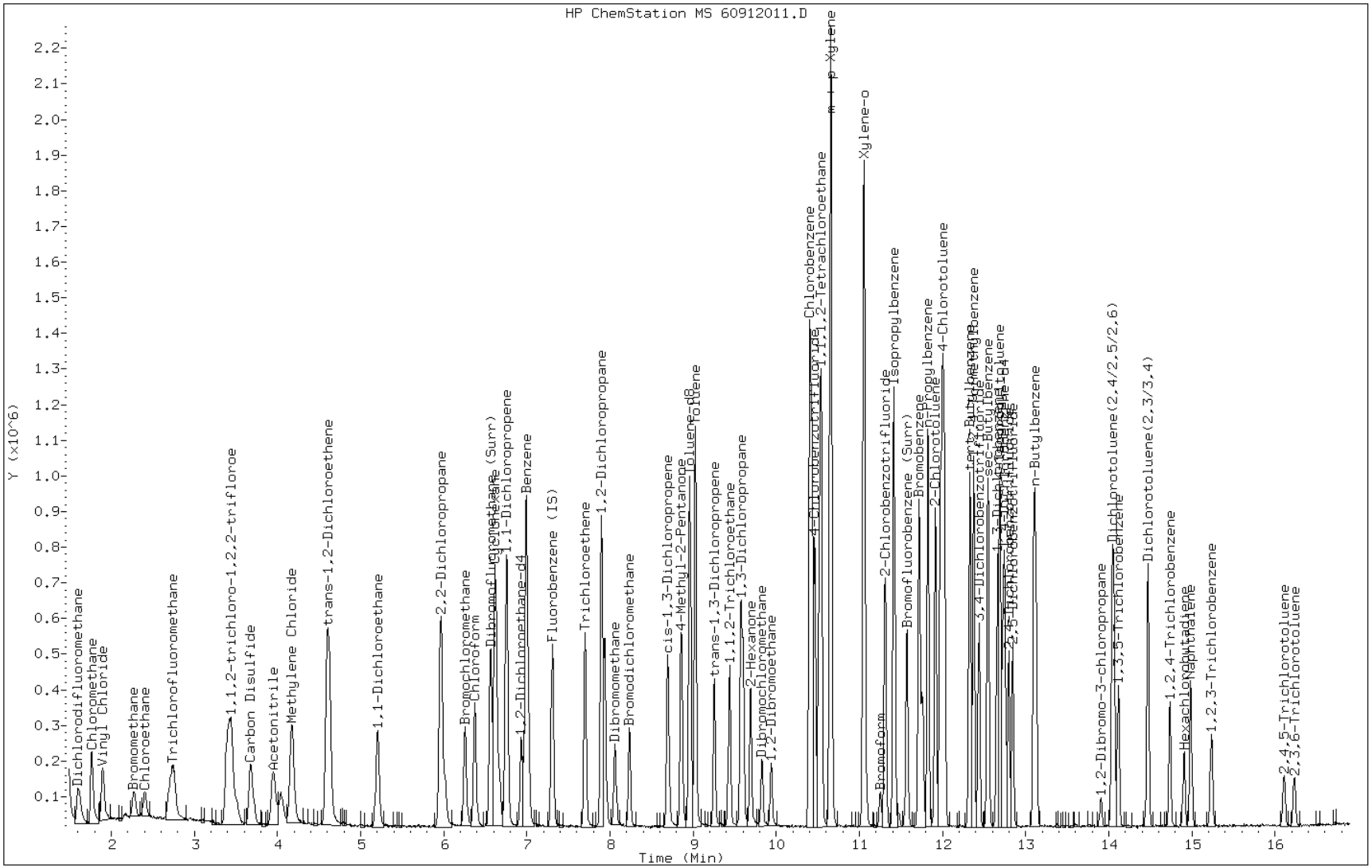
M - Compound response manually integrated.

Data File: 60912011.D

Date: 12-SEP-2012 15:35

Client ID: IC 15 Instrument: hp6.i

Sample Info: IC, 15 Operator: 001562



Manual Integration Report

Data File: 60912011.D
Inj. Date and Time: 12-SEP-2012 15:35
Instrument ID: hp6.i
Client ID: IC 15
Compound: 69 Chlorobenzene-d5
CAS #:
Report Date: 09/12/2012

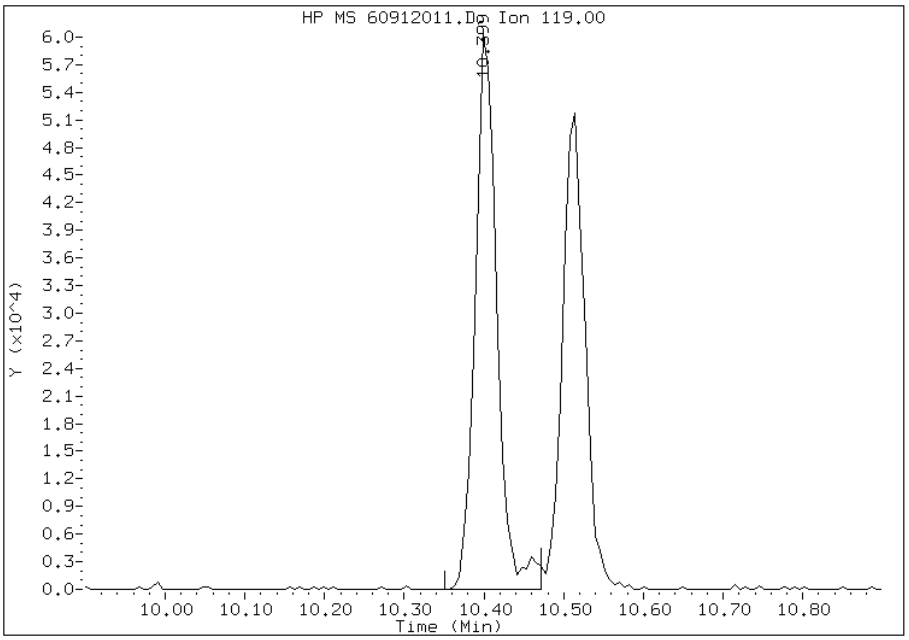
Processing Integration Results

RT: 10.40

Response: 117148

Amount: 50

Conc: 50



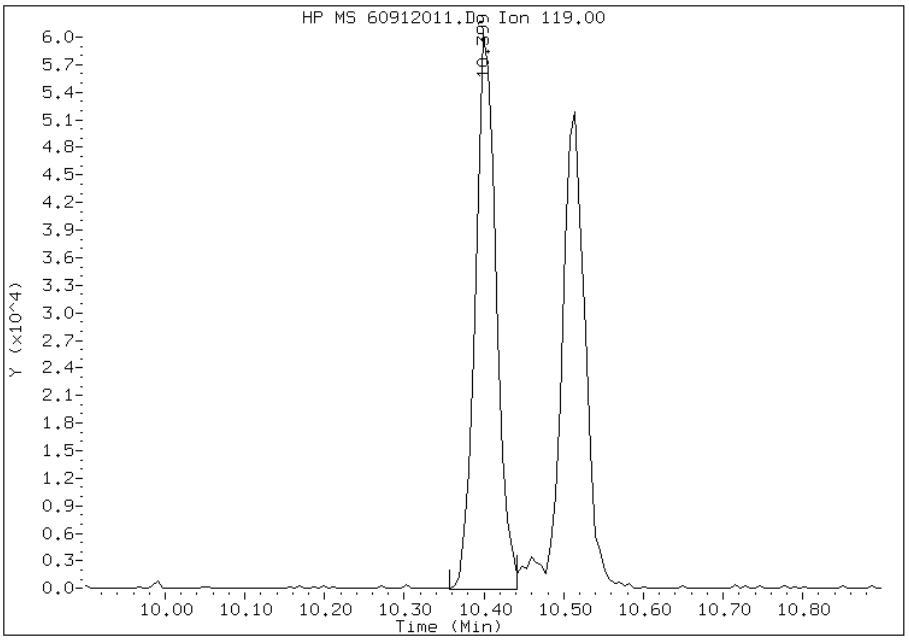
Manual Integration Results

RT: 10.40

Response: 112710

Amount: 50

Conc: 50



Manually Integrated By: lipayj
Modification Date: 12-Sep-2012 15:53
Manual Integration Reason: Peak Integrated Incorrectly

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6091212d.b\60912012.D
Lab Smp Id: IC 20 Client Smp ID: IC 20
Inj Date : 12-SEP-2012 15:59
Operator : 403808 Inst ID: hp6.i
Smp Info : IC, 20
Misc Info : T6091212d.b,T8260bllw.m,1-dwh2o.sub
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6091212d.b\T8260bllw.m
Meth Date : 12-Sep-2012 16:17 hp6.i Quant Type: ISTD
Cal Date : 12-SEP-2012 15:35 Cal File: 60912011.D
Als bottle: 61 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-dwh2o.sub
Target Version: 4.14
Processing Host: PITPC-530

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 46 Fluorobenzene (IS)	96	7.303	7.303	(1.000)	519543	50.0000	
* 69 Chlorobenzene-d5	119	10.400	10.400	(1.000)	110971	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.724	12.724	(1.000)	130642	50.0000	
$ 39 Dibromofluoromethane (Surr)	113	6.561	6.561	(0.898)	211801	100.000	109.1
$ 43 1,2-Dichloroethane-d4	65	6.932	6.932	(0.949)	239411	100.000	111.4
$ 59 Toluene-d8	98	8.958	8.958	(0.861)	1035756	100.000	109.3
$ 80 Bromofluorobenzene (Surr)	95	11.568	11.568	(1.112)	321047	100.000	107.5
1 Dichlorodifluoromethane	85	1.609	1.609	(0.220)	274476	100.000	109.1
2 Chloromethane	50	1.767	1.767	(0.242)	403727	100.000	103.2
3 Vinyl Chloride	62	1.901	1.901	(0.260)	330748	100.000	105.5
4 Bromomethane	94	2.266	2.266	(0.310)	97735	100.000	98.16
5 Chloroethane	64	2.412	2.412	(0.330)	136292	100.000	105.7
6 Trichlorofluoromethane	101	2.735	2.735	(0.374)	343283	100.000	111.1
10 1,1,2-trichloro-1,2,2-trifluor	101	3.459	3.459	(0.474)	262956	100.000	111.3
12 1,1-Dichloroethene	96	3.410	3.410	(0.467)	272754	100.000	107.1
15 Carbon Disulfide	76	3.678	3.678	(0.504)	668639	100.000	110.6
13 Acetone	43	3.513	3.513	(0.481)	139696	200.000	217.3
17 Acetonitrile	40	3.951	3.951	(0.541)	299375	2000.00	2161
18 Methylene Chloride	84	4.170	4.170	(0.571)	293926	100.000	106.2
19 trans-1,2-Dichloroethene	96	4.590	4.590	(0.629)	286313	100.000	107.0
20 Methyl tert-butyl ether	73	4.620	4.620	(0.633)	719684	100.000	106.2
24 1,1-Dichloroethane	63	5.198	5.198	(0.712)	516407	100.000	107.2
27 2,2-Dichloropropane	77	5.953	5.953	(0.815)	239423	100.000	101.6
28 cis-1,2-dichloroethene	96	5.965	5.965	(0.817)	313041	100.000	106.3
M 29 1,2-Dichloroethene (total)	96				599354	200.000	213.3
30 Bromochloromethane	128	6.257	6.257	(0.857)	125445	100.000	106.4
31 2-Butanone	43	6.014	6.014	(0.823)	242930	200.000	213.6
37 Chloroform	83	6.373	6.373	(0.873)	412228	100.000	106.6

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	38 1,1,1-Trichloroethane	97	6.561	6.561	(0.898)	334725	100.000	107.7
	40 1,1-Dichloropropene	75	6.756	6.756	(0.925)	413967	100.000	112.0
	41 Carbon Tetrachloride	117	6.750	6.750	(0.924)	260728	100.000	109.4
	42 Benzene	78	6.987	6.987	(0.957)	1209848	100.000	107.3
	45 1,2-Dichloroethane	62	7.017	7.017	(0.961)	317638	100.000	106.3
	47 Trichloroethene	130	7.699	7.699	(1.054)	295450	100.000	108.9
	49 1,2-Dichloropropane	63	7.936	7.936	(1.087)	290905	100.000	109.6
	50 Dibromomethane	93	8.058	8.058	(1.103)	137104	100.000	105.7
	53 Bromodichloromethane	83	8.234	8.234	(1.127)	255188	100.000	109.4
	57 cis-1,3-Dichloropropene	75	8.690	8.690	(1.190)	374023	100.000	114.3
	58 4-Methyl-2-Pentanone	43	8.855	8.855	(0.851)	559436	200.000	208.8
	60 Toluene	91	9.025	9.025	(0.868)	1230287	100.000	106.9
	61 trans-1,3-Dichloropropene	75	9.256	9.256	(0.890)	309917	100.000	113.6
	63 1,3-Dichloropropane	76	9.603	9.603	(0.923)	386719	100.000	108.0
	64 1,1,2-Trichloroethane	97	9.439	9.439	(0.908)	213096	100.000	106.6
	65 Tetrachloroethene	164	9.572	9.572	(0.920)	215028	100.000	113.1
	66 2-Hexanone	43	9.688	9.688	(0.932)	410439	200.000	214.8
	67 Dibromochloromethane	129	9.828	9.828	(0.945)	152498	100.000	117.4
	68 1,2-Dibromoethane	107	9.944	9.944	(0.956)	198827	100.000	107.6
	70 Chlorobenzene	112	10.430	10.430	(1.003)	750997	100.000	109.0
	71 1,1,1,2-Tetrachloroethane	131	10.509	10.509	(1.011)	199441	100.000	111.0
	72 Ethylbenzene	106	10.540	10.540	(1.013)	450400	100.000	107.5
	73 m + p-Xylene	106	10.655	10.655	(1.025)	1083787	200.000	214.7
	74 Xylene-o	106	11.051	11.051	(1.063)	524386	100.000	106.8
M	75 Xylenes (total)	106				1608173	300.000	321.5
	76 Styrene	104	11.063	11.063	(1.064)	824560	100.000	108.5
	77 Bromoform	173	11.251	11.251	(1.082)	73736	100.000	115.4
	78 Isopropylbenzene	105	11.416	11.416	(1.098)	1249414	100.000	106.5
	79 Bromobenzene	156	11.726	11.726	(0.922)	250683	100.000	110.0
	81 n-Propylbenzene	120	11.823	11.823	(0.929)	353132	100.000	113.8
	82 2-Chlorotoluene	126	11.915	11.915	(0.936)	287851	100.000	114.3
	83 1,1,2,2-Tetrachloroethane	83	11.714	11.714	(0.921)	260789	100.000	112.1
	84 1,2,3-Trichloropropane	110	11.756	11.756	(0.924)	78868	100.000	106.2
	85 4-Chlorotoluene	126	12.024	12.024	(0.945)	315044	100.000	114.2
	86 1,3,5-Trimethylbenzene	105	12.000	12.000	(0.943)	917483	100.000	113.2
	87 tert-Butylbenzene	119	12.328	12.328	(0.969)	803593	100.000	113.6
	88 1,2,4-Trimethylbenzene	105	12.377	12.377	(0.973)	885474	100.000	110.1
	89 sec-Butylbenzene	105	12.547	12.547	(0.986)	1098710	100.000	114.0
	90 4-Isopropyltoluene	119	12.687	12.687	(0.997)	891292	100.000	114.3
	91 1,3-Dichlorobenzene	146	12.663	12.663	(0.995)	446411	100.000	111.5
	93 1,4-Dichlorobenzene	146	12.748	12.748	(1.002)	453498	100.000	110.3
	94 n-Butylbenzene	91	13.101	13.101	(1.030)	724272	100.000	116.5
	95 1,2-Dichlorobenzene	146	13.125	13.125	(1.032)	398685	100.000	111.4
	96 1,2-Dibromo-3-chloropropane	157	13.904	13.904	(1.093)	29358	100.000	111.5
	97 1,2,4-Trichlorobenzene	180	14.737	14.737	(1.158)	162451	100.000	104.0
	98 Hexachlorobutadiene	225	14.902	14.902	(1.171)	57868	100.000	101.3
	99 Naphthalene	128	14.987	14.987	(1.178)	463209	100.000	101.9
	100 1,2,3-Trichlorobenzene	180	15.236	15.236	(1.197)	122963	100.000	98.20
	156 Methyl Acetate	43	4.043	4.043	(0.554)	210520	100.000	100.8
	157 Cyclohexane	56	6.616	6.616	(0.906)	657668	100.000	107.8
	158 Methyl Cyclohexane	83	7.899	7.899	(1.082)	539058	100.000	109.4
	160 1,3,5-Trichlorobenzene	180	14.117	14.117	(1.109)	193210	100.000	106.5
	168 3-Chlorobenzotrifluoride	180	10.406	10.406	(1.001)	435254	100.000	106.2
	169 4-Chlorobenzotrifluoride	180	10.461	10.461	(1.006)	394892	100.000	104.8

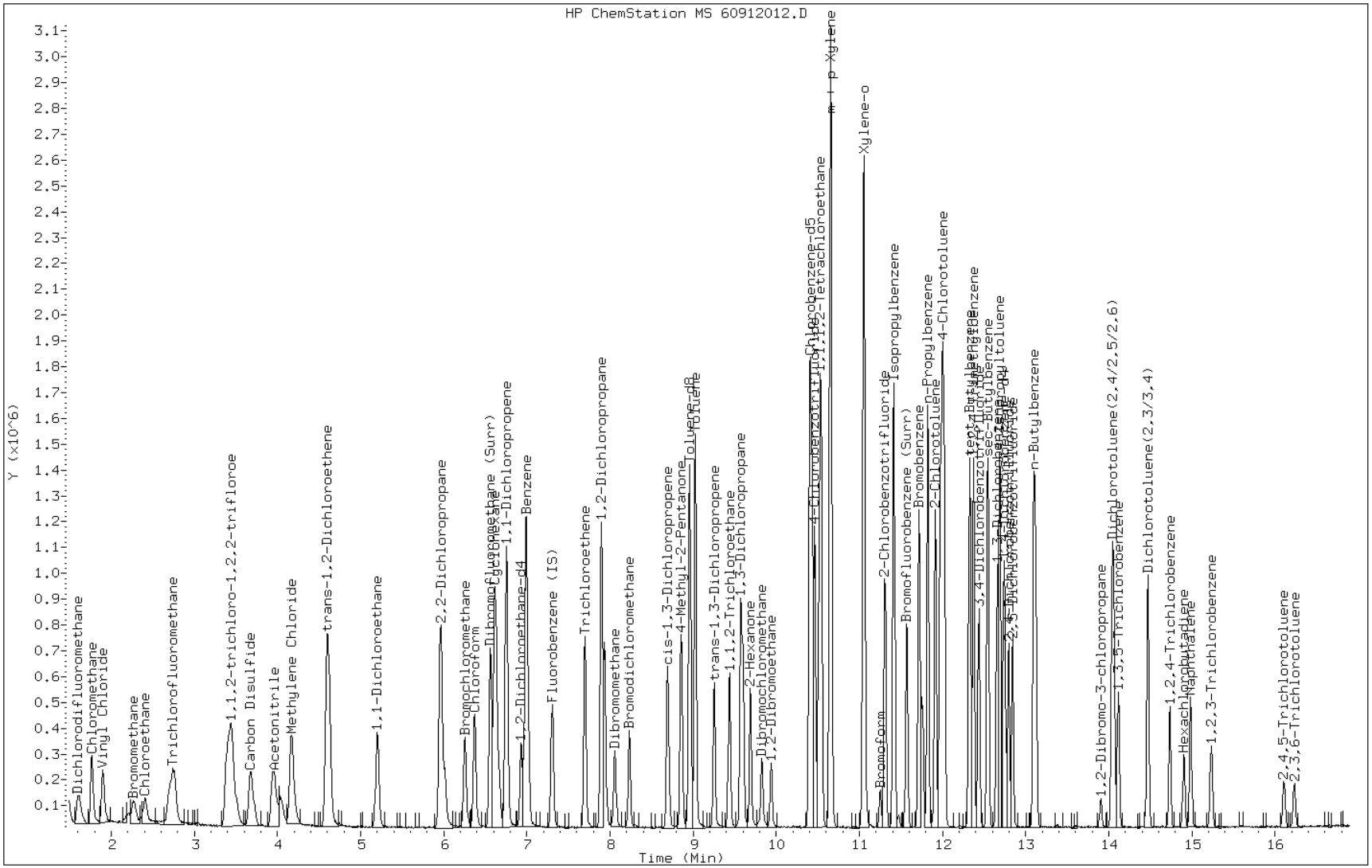
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
170 2-Chlorobenzotrifluoride	180	11.312	11.312	(1.088)	389911	100.000	105.7
171 3-Chlorotoluene	126	11.975	11.975	(0.941)	282814	100.000	104.1
172 3,4-Dichlorobenzotrifluoride	214	12.438	12.438	(0.978)	232792	100.000	111.1
173 2,4-Dichlorobenzotrifluoride	214	12.797	12.797	(1.006)	187367	100.000	108.6
174 2,5-Dichlorobenzotrifluoride	214	12.845	12.845	(1.010)	227726	100.000	116.6
175 Dichlorotoluene(2,4/2,5/2,6)	125	14.050	14.050	(1.104)	745198	300.000	319.7
176 Dichlorotoluene(2,3/3,4)	125	14.470	14.470	(1.137)	458038	200.000	204.5
177 2,4,5-Trichlorotoluene	159	16.106	16.106	(1.266)	59656	100.000	102.1
178 2,3,6-Trichlorotoluene	159	16.234	16.234	(1.276)	47152	100.000	97.68

Data File: 60912012.D

Date: 12-SEP-2012 15:59

Client ID: IC 20 Instrument: hp6.i

Sample Info: IC, 20 Operator: 403808



TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6091212d.b\60912013.D
Lab Smp Id: IC 35 Client Smp ID: IC 35
Inj Date : 12-SEP-2012 16:23
Operator : 403808 Inst ID: hp6.i
Smp Info : IC, 35
Misc Info : T6091212d.b,T8260bllw.m,1-dwh2o.sub
Comment :
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Meth Date : 12-Sep-2012 16:42 hp6.i Quant Type: ISTD
Cal Date : 12-SEP-2012 15:59 Cal File: 60912012.D
Als bottle: 62 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-dwh2o.sub
Target Version: 4.14
Processing Host: PITPC-530

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 46 Fluorobenzene (IS)	96	7.305	7.305	(1.000)	493829	50.0000	
* 69 Chlorobenzene-d5	119	10.401	10.401	(1.000)	110154	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.725	12.725	(1.000)	121037	50.0000	(Q)
$ 39 Dibromofluoromethane (Surr)	113	6.557	6.557	(0.898)	364125	175.000	192.9
$ 43 1,2-Dichloroethane-d4	65	6.934	6.934	(0.949)	399856	175.000	190.3
$ 59 Toluene-d8	98	8.959	8.959	(0.861)	1700396	175.000	176.6
$ 80 Bromofluorobenzene (Surr)	95	11.569	11.569	(1.112)	533033	175.000	176.5
1 Dichlorodifluoromethane	85	1.611	1.611	(0.221)	488409	175.000	199.7
2 Chloromethane	50	1.763	1.763	(0.241)	704891	175.000	188.0
3 Vinyl Chloride	62	1.909	1.909	(0.261)	566135	175.000	187.4
4 Bromomethane	94	2.274	2.274	(0.311)	169128	175.000	179.5
5 Chloroethane	64	2.402	2.402	(0.329)	233498	175.000	187.8
6 Trichlorofluoromethane	101	2.730	2.730	(0.374)	558966	175.000	185.2
10 1,1,2-trichloro-1,2,2-trifluor	101	3.448	3.448	(0.472)	443524	175.000	192.0
12 1,1-Dichloroethene	96	3.399	3.399	(0.465)	476673	175.000	193.5
15 Carbon Disulfide	76	3.685	3.685	(0.505)	1178745	175.000	199.8
13 Acetone	43	3.509	3.509	(0.480)	216055	350.000	346.1
17 Acetonitrile	40	3.947	3.947	(0.540)	436255	3500.00	3248
18 Methylene Chloride	84	4.178	4.178	(0.572)	493644	175.000	184.7
19 trans-1,2-Dichloroethene	96	4.598	4.598	(0.629)	495989	175.000	191.6
20 Methyl tert-butyl ether	73	4.622	4.622	(0.633)	1225680	175.000	187.4
24 1,1-Dichloroethane	63	5.206	5.206	(0.713)	894132	175.000	191.9
27 2,2-Dichloropropane	77	5.960	5.960	(0.816)	441230	175.000	196.2
28 cis-1,2-dichloroethene	96	5.973	5.973	(0.818)	531513	175.000	186.9
M 29 1,2-Dichloroethene (total)	96				1027502	350.000	378.6
30 Bromochloromethane	128	6.258	6.258	(0.857)	218847	175.000	192.2
31 2-Butanone	43	6.015	6.015	(0.823)	408022	350.000	371.1
37 Chloroform	83	6.374	6.374	(0.873)	705658	175.000	188.8

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	38 1,1,1-Trichloroethane	97	6.563	6.563	(0.898)	587543	175.000	195.1
	40 1,1-Dichloropropene	75	6.757	6.757	(0.925)	705542	175.000	195.0
	41 Carbon Tetrachloride	117	6.751	6.751	(0.924)	475471	175.000	205.0
	42 Benzene	78	6.988	6.988	(0.957)	2054510	175.000	188.3
	45 1,2-Dichloroethane	62	7.019	7.019	(0.961)	541880	175.000	187.8
	47 Trichloroethene	130	7.700	7.700	(1.054)	515969	175.000	195.7
	49 1,2-Dichloropropane	63	7.937	7.937	(1.087)	492841	175.000	190.8
	50 Dibromomethane	93	8.059	8.059	(1.103)	235884	175.000	188.7
	53 Bromodichloromethane	83	8.236	8.236	(1.127)	464245	175.000	204.6
	57 cis-1,3-Dichloropropene	75	8.692	8.692	(1.190)	662959	175.000	205.7
	58 4-Methyl-2-Pentanone	43	8.856	8.856	(0.851)	946664	350.000	352.1
	60 Toluene	91	9.026	9.026	(0.868)	2042653	175.000	175.8
	61 trans-1,3-Dichloropropene	75	9.251	9.251	(0.889)	550237	175.000	196.6
	63 1,3-Dichloropropane	76	9.604	9.604	(0.923)	652418	175.000	180.0
	64 1,1,2-Trichloroethane	97	9.440	9.440	(0.908)	357345	175.000	177.1
	65 Tetrachloroethene	164	9.574	9.574	(0.920)	354374	175.000	181.8
	66 2-Hexanone	43	9.689	9.689	(0.932)	665086	350.000	344.2
	67 Dibromochloromethane	129	9.829	9.829	(0.945)	275013	175.000	204.4
	68 1,2-Dibromoethane	107	9.945	9.945	(0.956)	344078	175.000	184.0
	70 Chlorobenzene	112	10.432	10.432	(1.003)	1256269	175.000	179.6
	71 1,1,1,2-Tetrachloroethane	131	10.511	10.511	(1.011)	348558	175.000	190.2
	72 Ethylbenzene	106	10.535	10.535	(1.013)	751206	175.000	177.3
	73 m + p-Xylene	106	10.657	10.657	(1.025)	1761665	350.000	345.2
	74 Xylene-o	106	11.046	11.046	(1.062)	872145	175.000	175.9
M	75 Xylenes (total)	106				2633810	525.000	521.2
	76 Styrene	104	11.064	11.064	(1.064)	1377961	175.000	178.8
	77 Bromoform	173	11.253	11.253	(1.082)	140903	175.000	213.8
	78 Isopropylbenzene	105	11.417	11.417	(1.098)	2024706	175.000	171.1
	79 Bromobenzene	156	11.721	11.721	(0.921)	421918	175.000	194.9
	81 n-Propylbenzene	120	11.825	11.825	(0.929)	575312	175.000	193.5
	82 2-Chlorotoluene	126	11.916	11.916	(0.936)	464036	175.000	192.0
	83 1,1,2,2-Tetrachloroethane	83	11.715	11.715	(0.921)	436621	175.000	196.6
	84 1,2,3-Trichloropropane	110	11.758	11.758	(0.924)	134104	175.000	191.9
	85 4-Chlorotoluene	126	12.019	12.019	(0.945)	506861	175.000	191.5
	86 1,3,5-Trimethylbenzene	105	12.001	12.001	(0.943)	1458130	175.000	187.9
	87 tert-Butylbenzene	119	12.330	12.330	(0.969)	1252530	175.000	184.8
	88 1,2,4-Trimethylbenzene	105	12.372	12.372	(0.972)	1401507	175.000	183.4
	89 sec-Butylbenzene	105	12.549	12.549	(0.986)	1701474	175.000	184.1
	90 4-Isopropyltoluene	119	12.689	12.689	(0.997)	1378154	175.000	184.2
	91 1,3-Dichlorobenzene	146	12.664	12.664	(0.995)	731437	175.000	191.7
	93 1,4-Dichlorobenzene	146	12.749	12.749	(1.002)	734614	175.000	188.0
	94 n-Butylbenzene	91	13.102	13.102	(1.030)	1156875	175.000	192.9
	95 1,2-Dichlorobenzene	146	13.127	13.127	(1.032)	640988	175.000	188.0
	96 1,2-Dibromo-3-chloropropane	157	13.905	13.905	(1.093)	52625	175.000	209.6
	97 1,2,4-Trichlorobenzene	180	14.739	14.739	(1.158)	303611	175.000	207.7
	98 Hexachlorobutadiene	225	14.903	14.903	(1.171)	97442	175.000	183.6
	99 Naphthalene	128	14.988	14.988	(1.178)	882088	175.000	208.5
	100 1,2,3-Trichlorobenzene	180	15.232	15.232	(1.197)	244408	175.000	211.6
	156 Methyl Acetate	43	4.044	4.044	(0.554)	388210	175.000	195.1
	157 Cyclohexane	56	6.617	6.617	(0.906)	1125216	175.000	190.4
	158 Methyl Cyclohexane	83	7.895	7.895	(1.081)	925870	175.000	193.1
	160 1,3,5-Trichlorobenzene	180	14.118	14.118	(1.109)	333790	175.000	195.4
	168 3-Chlorobenzotrifluoride	180	10.407	10.407	(1.001)	723045	175.000	175.0
	169 4-Chlorobenzotrifluoride	180	10.462	10.462	(1.006)	677889	175.000	179.1

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
170 2-Chlorobenzotrifluoride	180	11.314	11.314	(1.088)	629221	175.000	169.4
171 3-Chlorotoluene	126	11.971	11.971	(0.941)	463301	175.000	182.2
172 3,4-Dichlorobenzotrifluoride	214	12.439	12.439	(0.978)	358848	175.000	179.8
173 2,4-Dichlorobenzotrifluoride	214	12.798	12.798	(1.006)	287473	175.000	176.1
174 2,5-Dichlorobenzotrifluoride	214	12.847	12.847	(1.010)	352803	175.000	187.2
175 Dichlorotoluene(2,4/2,5/2,6)	125	14.051	14.051	(1.104)	1258666	525.000	573.4
176 Dichlorotoluene(2,3/3,4)	125	14.471	14.471	(1.137)	814399	350.000	390.3
177 2,4,5-Trichlorotoluene	159	16.108	16.108	(1.266)	124011	175.000	227.9
178 2,3,6-Trichlorotoluene	159	16.235	16.235	(1.276)	97249	175.000	218.7

QC Flag Legend

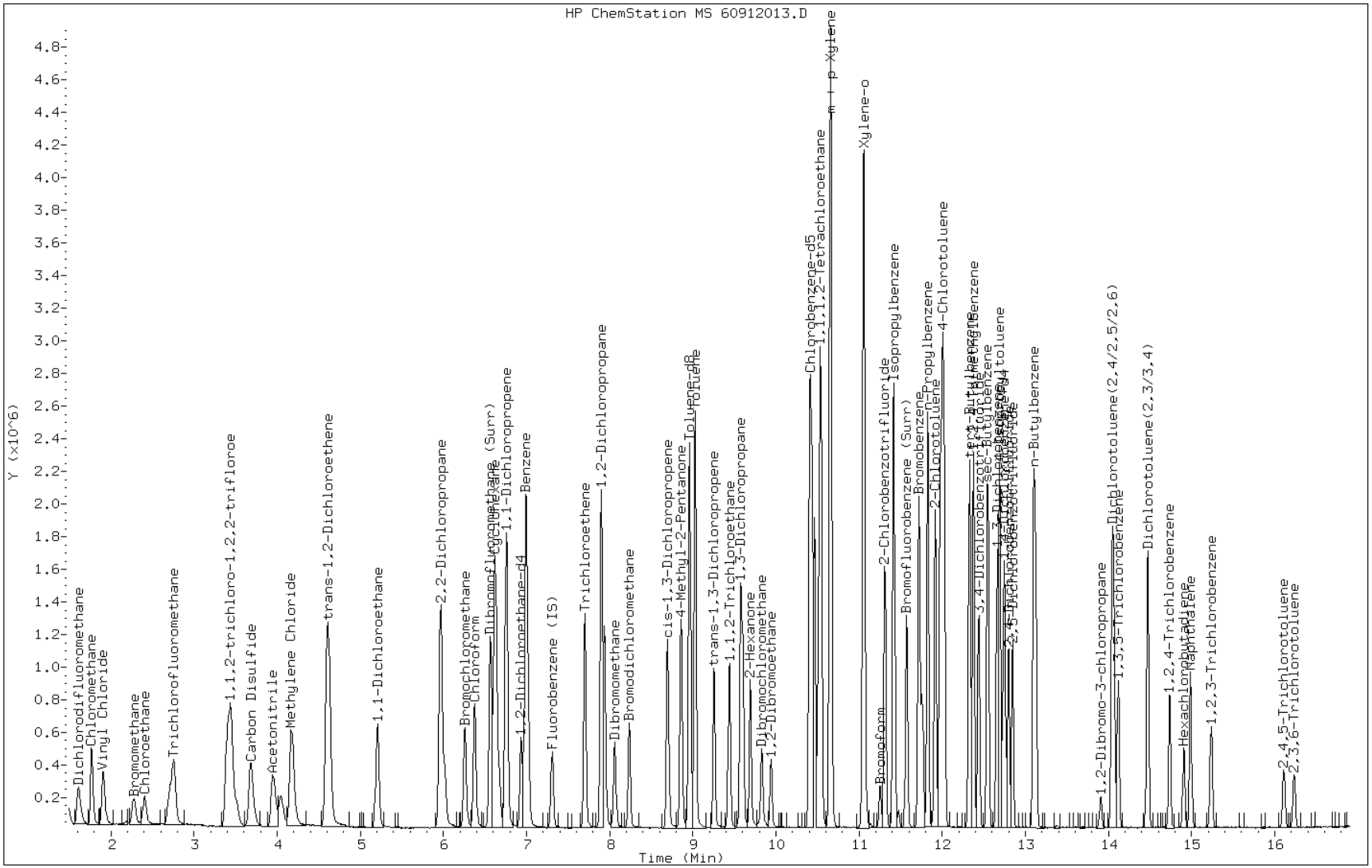
Q - Qualifier signal failed the ratio test.

Data File: 60912013.D

Date: 12-SEP-2012 16:23

Client ID: IC 35 Instrument: hp6.i

Sample Info: IC, 35 Operator: 403808



TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6091212d.b\60912014.D
Lab Smp Id: IC 40 Client Smp ID: IC 40
Inj Date : 12-SEP-2012 16:47
Operator : 403808 Inst ID: hp6.i
Smp Info : IC, 40
Misc Info : T6091212d.b,T8260bllw.m,1-dwh2o.sub
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6091212d.b\T8260bllw.m
Meth Date : 12-Sep-2012 22:58 hp6.i Quant Type: ISTD
Cal Date : 12-SEP-2012 18:08 Cal File: 60912017.D
Als bottle: 63 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-dwh2o.sub
Target Version: 4.14
Processing Host: PITPC-530

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 46 Fluorobenzene (IS)	96	7.304	7.309	(1.000)	503189	50.0000	
* 69 Chlorobenzene-d5	119	10.401	10.405	(1.000)	114368	50.0000	(Q)
* 92 1,4-Dichlorobenzene-d4	152	12.725	12.723	(1.000)	143267	50.0000	(Q)
$ 39 Dibromofluoromethane (Surr)	113	6.562	6.561	(0.898)	441342	200.000	217.5
$ 43 1,2-Dichloroethane-d4	65	6.933	6.932	(0.949)	485501	200.000	214.7
$ 59 Toluene-d8	98	8.959	8.957	(0.861)	2015055	200.000	194.4
$ 80 Bromofluorobenzene (Surr)	95	11.569	11.573	(1.112)	667503	200.000	201.7
1 Dichlorodifluoromethane	85	1.604	1.609	(0.220)	542843	200.000	212.8
2 Chloromethane	50	1.762	1.767	(0.241)	776870	200.000	198.2
3 Vinyl Chloride	62	1.902	1.901	(0.260)	639845	200.000	207.7
4 Bromomethane	94	2.267	2.278	(0.310)	194862	200.000	198.7
5 Chloroethane	64	2.401	2.412	(0.329)	258221	200.000	200.4
6 Trichlorofluoromethane	101	2.717	2.728	(0.372)	606380	200.000	197.0
10 1,1,2-trichloro-1,2,2-trifluor	101	3.441	3.446	(0.471)	512764	200.000	209.6
12 1,1-Dichloroethene	96	3.399	3.397	(0.465)	533938	200.000	203.5
15 Carbon Disulfide	76	3.673	3.683	(0.503)	1361966	200.000	217.4
13 Acetone	43	3.514	3.513	(0.481)	231563	400.000	352.0
17 Acetonitrile	40	3.946	3.957	(0.540)	423661	4000.00	3109
18 Methylene Chloride	84	4.165	4.182	(0.570)	548142	200.000	195.6
19 trans-1,2-Dichloroethene	96	4.591	4.596	(0.629)	573287	200.000	210.4
20 Methyl tert-butyl ether	73	4.622	4.620	(0.633)	1387887	200.000	201.4
24 1,1-Dichloroethane	63	5.199	5.210	(0.712)	1010182	200.000	207.7
27 2,2-Dichloropropane	77	5.960	5.952	(0.816)	516339	200.000	217.9
28 cis-1,2-dichloroethene	96	5.966	5.964	(0.817)	605871	200.000	202.2
M 29 1,2-Dichloroethene (total)	96				1179158	400.000	412.6
30 Bromochloromethane	128	6.258	6.263	(0.857)	239642	200.000	199.6
31 2-Butanone	43	6.015	6.019	(0.823)	449196	400.000	378.1
37 Chloroform	83	6.374	6.378	(0.873)	792217	200.000	202.3

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	38 1,1,1-Trichloroethane	97	6.562	6.561	(0.898)	686160	200.000	216.6
	40 1,1-Dichloropropene	75	6.757	6.755	(0.925)	810608	200.000	212.2
	41 Carbon Tetrachloride	117	6.751	6.749	(0.924)	549330	200.000	223.1
	42 Benzene	78	6.988	6.986	(0.957)	2302499	200.000	203.1
	45 1,2-Dichloroethane	62	7.018	7.017	(0.961)	612832	200.000	203.6
	47 Trichloroethene	130	7.700	7.698	(1.054)	595005	200.000	212.6
	49 1,2-Dichloropropane	63	7.937	7.935	(1.087)	563546	200.000	210.3
	50 Dibromomethane	93	8.059	8.057	(1.103)	268675	200.000	202.4
	53 Bromodichloromethane	83	8.235	8.234	(1.127)	524853	200.000	220.5
	57 cis-1,3-Dichloropropene	75	8.691	8.696	(1.190)	752290	200.000	221.3
	58 4-Methyl-2-Pentanone	43	8.856	8.854	(0.851)	1117662	400.000	389.9
	60 Toluene	91	9.026	9.024	(0.868)	2303722	200.000	190.1
	61 trans-1,3-Dichloropropene	75	9.257	9.256	(0.890)	624075	200.000	208.4
	63 1,3-Dichloropropane	76	9.604	9.602	(0.923)	733928	200.000	188.7
	64 1,1,2-Trichloroethane	97	9.440	9.432	(0.908)	409444	200.000	192.8
	65 Tetrachloroethene	164	9.573	9.572	(0.920)	413241	200.000	203.7
	66 2-Hexanone	43	9.689	9.688	(0.932)	778099	400.000	386.5
	67 Dibromochloromethane	129	9.829	9.827	(0.945)	324876	200.000	226.4
	68 1,2-Dibromoethane	107	9.939	9.943	(0.956)	382744	200.000	191.4
	70 Chlorobenzene	112	10.431	10.430	(1.003)	1424248	200.000	194.5
	71 1,1,1,2-Tetrachloroethane	131	10.516	10.515	(1.011)	406950	200.000	207.8
	72 Ethylbenzene	106	10.541	10.539	(1.013)	875425	200.000	200.1
	73 m + p-Xylene	106	10.656	10.655	(1.025)	2055647	400.000	388.6
	74 Xylene-o	106	11.052	11.050	(1.063)	1036104	200.000	199.5
M	75 Xylenes (total)	106				3091751	600.000	588.1
	76 Styrene	104	11.064	11.062	(1.064)	1607120	200.000	199.5
	77 Bromoform	173	11.253	11.251	(1.082)	171507	200.000	226.0
	78 Isopropylbenzene	105	11.417	11.415	(1.098)	2448908	200.000	199.9
	79 Bromobenzene	156	11.721	11.725	(0.921)	510743	200.000	194.9
	81 n-Propylbenzene	120	11.824	11.823	(0.929)	730182	200.000	203.3(Q)
	82 2-Chlorotoluene	126	11.916	11.914	(0.936)	565588	200.000	192.8
	83 1,1,2,2-Tetrachloroethane	83	11.715	11.713	(0.921)	539216	200.000	195.6
	84 1,2,3-Trichloropropane	110	11.757	11.762	(0.924)	161218	200.000	188.5
	85 4-Chlorotoluene	126	12.019	12.024	(0.945)	644437	200.000	202.6(Q)
	86 1,3,5-Trimethylbenzene	105	12.001	11.999	(0.943)	1860630	200.000	200.4
	87 tert-Butylbenzene	119	12.329	12.328	(0.969)	1642397	200.000	202.1
	88 1,2,4-Trimethylbenzene	105	12.378	12.376	(0.973)	1863511	200.000	205.0
	89 sec-Butylbenzene	105	12.548	12.547	(0.986)	2274299	200.000	205.9
	90 4-Isopropyltoluene	119	12.688	12.687	(0.997)	1885412	200.000	210.6
	91 1,3-Dichlorobenzene	146	12.658	12.662	(0.995)	958719	200.000	206.8
	93 1,4-Dichlorobenzene	146	12.749	12.747	(1.002)	982130	200.000	205.0
	94 n-Butylbenzene	91	13.102	13.100	(1.030)	1606247	200.000	221.0
	95 1,2-Dichlorobenzene	146	13.126	13.125	(1.032)	890510	200.000	212.8
	96 1,2-Dibromo-3-chloropropane	157	13.905	13.903	(1.093)	80659	200.000	251.7
	97 1,2,4-Trichlorobenzene	180	14.738	14.737	(1.158)	451281	200.000	240.6
	98 Hexachlorobutadiene	225	14.909	14.907	(1.172)	151012	200.000	226.8
	99 Naphthalene	128	14.988	14.986	(1.178)	1290112	200.000	234.8
	100 1,2,3-Trichlorobenzene	180	15.231	15.236	(1.197)	347091	200.000	230.8
	156 Methyl Acetate	43	4.038	4.054	(0.553)	443376	200.000	210.5
	157 Cyclohexane	56	6.617	6.621	(0.906)	1292260	200.000	209.9
	158 Methyl Cyclohexane	83	7.894	7.899	(1.081)	1061344	200.000	213.9
	160 1,3,5-Trichlorobenzene	180	14.112	14.116	(1.109)	504810	200.000	229.7
	168 3-Chlorobenzotrifluoride	180	10.407	10.405	(1.001)	867770	200.000	195.2
	169 4-Chlorobenzotrifluoride	180	10.462	10.466	(1.006)	772639	200.000	189.4

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
170 2-Chlorobenzotrifluoride	180	11.313	11.312	(1.088)	803913	200.000	201.2
171 3-Chlorotoluene	126	11.976	11.975	(0.941)	597507	200.000	193.9
172 3,4-Dichlorobenzotrifluoride	214	12.439	12.437	(0.978)	498287	200.000	201.0
173 2,4-Dichlorobenzotrifluoride	214	12.798	12.796	(1.006)	435285	200.000	210.9
174 2,5-Dichlorobenzotrifluoride	214	12.846	12.845	(1.010)	486081	200.000	203.7
175 Dichlorotoluene(2,4/2,5/2,6)	125	14.051	14.049	(1.104)	1893870	600.000	682.0
176 Dichlorotoluene(2,3/3,4)	125	14.471	14.469	(1.137)	1242617	400.000	467.6
177 2,4,5-Trichlorotoluene	159	16.113	16.106	(1.266)	159418	200.000	215.9
178 2,3,6-Trichlorotoluene	159	16.229	16.233	(1.275)	123378	200.000	214.1

QC Flag Legend

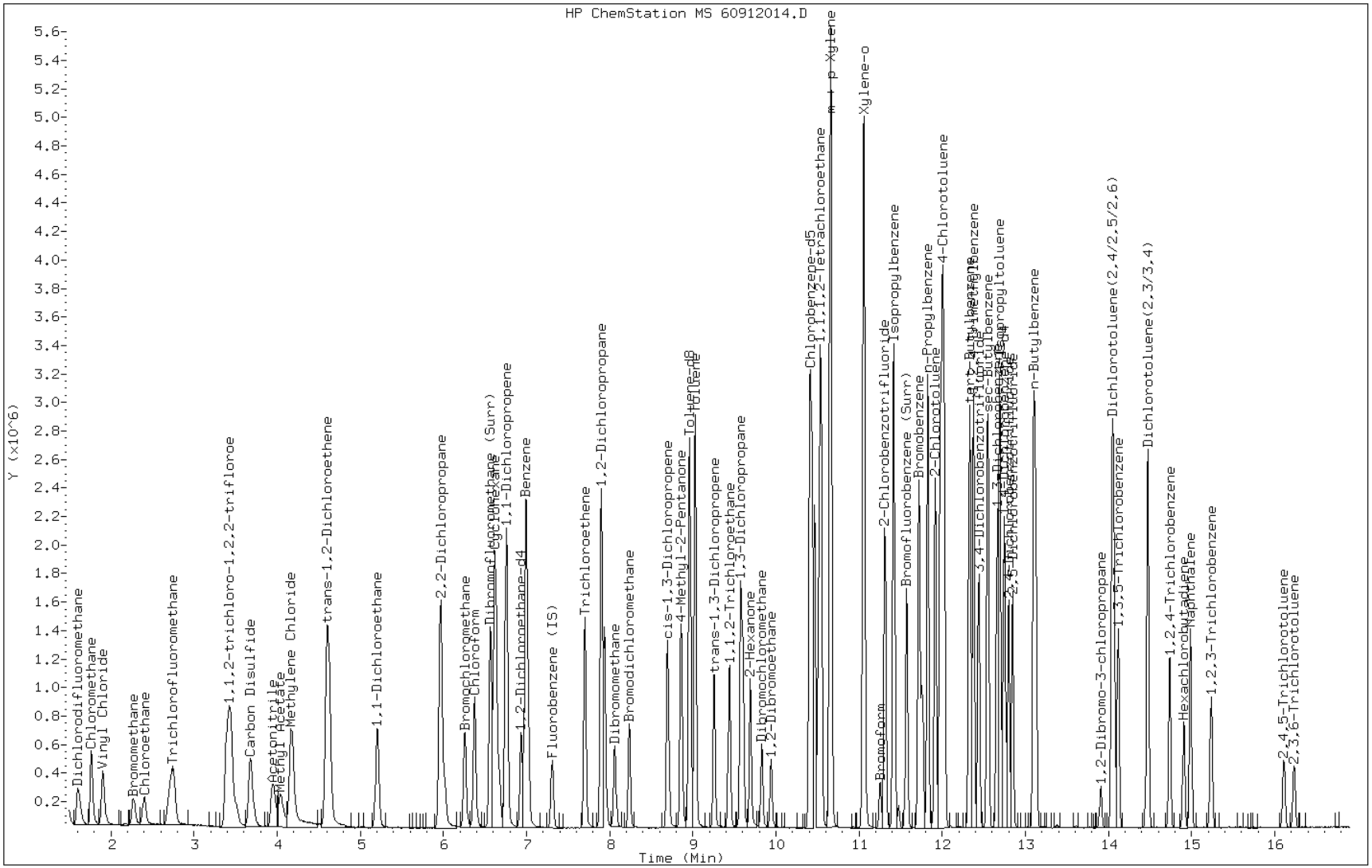
Q - Qualifier signal failed the ratio test.

Data File: 60912014.D

Date: 12-SEP-2012 16:47

Client ID: IC 40 Instrument: hp6.i

Sample Info: IC, 40 Operator: 403808



TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6091212d.b\60912017.D
Lab Smp Id: IC 1 Client Smp ID: IC 1
Inj Date : 12-SEP-2012 18:08
Operator : 403808 Inst ID: hp6.i
Smp Info : IC
Misc Info : T6091212d.b,T8260bllw.m,1-dwh2o.sub
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6091212d.b\T8260bllw.m
Meth Date : 12-Sep-2012 19:18 hp6.i Quant Type: ISTD
Cal Date : 12-SEP-2012 18:59 Cal File: 60912018.D
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-dwh2o.sub
Target Version: 4.14
Processing Host: PITPC-530

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 46 Fluorobenzene (IS)	96	7.306	7.306	(1.000)	447416	50.0000	
* 69 Chlorobenzene-d5	119	10.402	10.402	(1.000)	86978	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.726	12.726	(1.000)	109017	50.0000	
$ 39 Dibromofluoromethane (Surr)	113	6.557	6.557	(0.898)	9701	5.00000	5.332
$ 43 1,2-Dichloroethane-d4	65	6.935	6.935	(0.949)	11147	5.00000	5.388
$ 59 Toluene-d8	98	8.960	8.960	(0.861)	47171	5.00000	5.843
$ 80 Bromofluorobenzene (Surr)	95	11.570	11.570	(1.112)	15690	5.00000	6.217
1 Dichlorodifluoromethane	85	1.605	1.605	(0.220)	10332	5.00000	4.425
2 Chloromethane	50	1.757	1.757	(0.241)	18507	5.00000	5.104
3 Vinyl Chloride	62	1.885	1.885	(0.258)	12240	5.00000	4.316
4 Bromomethane	94	2.262	2.262	(0.310)	6471	5.00000	6.755
5 Chloroethane	64	2.402	2.402	(0.329)	5782	5.00000	4.882
6 Trichlorofluoromethane	101	2.731	2.731	(0.374)	13135	5.00000	4.769
10 1,1,2-trichloro-1,2,2-trifluor	101	3.437	3.437	(0.470)	11406	5.00000	5.198(Q)
12 1,1-Dichloroethene	96	3.394	3.394	(0.465)	12803	5.00000	5.409(Q)
15 Carbon Disulfide	76	3.674	3.674	(0.503)	27321	5.00000	4.724
13 Acetone	43	3.510	3.510	(0.480)	18959	25.0000	32.39
17 Acetonitrile	40	3.966	3.966	(0.543)	15435	100.000	126.8(M)
18 Methylene Chloride	84	4.173	4.173	(0.571)	29586	5.00000	10.10
19 trans-1,2-Dichloroethene	96	4.592	4.592	(0.629)	12315	5.00000	4.959
20 Methyl tert-butyl ether	73	4.617	4.617	(0.632)	33377	5.00000	5.504
24 1,1-Dichloroethane	63	5.195	5.195	(0.711)	21293	5.00000	4.846
27 2,2-Dichloropropane	77	5.961	5.961	(0.816)	10103	5.00000	4.734
28 cis-1,2-dichloroethene	96	5.967	5.967	(0.817)	14519	5.00000	5.362
M 29 1,2-Dichloroethene (total)	96				26834	10.0000	10.32
30 Bromochloromethane	128	6.253	6.253	(0.856)	5743	5.00000	5.332
31 2-Butanone	43	6.016	6.016	(0.823)	33896	25.0000	32.37
37 Chloroform	83	6.375	6.375	(0.873)	18252	5.00000	5.220

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	38 1,1,1-Trichloroethane	97	6.563	6.563	(0.898)	13569	5.00000	4.766
	40 1,1-Dichloropropene	75	6.752	6.752	(0.924)	17018	5.00000	4.848
	41 Carbon Tetrachloride	117	6.752	6.752	(0.924)	10084	5.00000	4.585
	42 Benzene	78	6.989	6.989	(0.957)	50817	5.00000	4.958
	45 1,2-Dichloroethane	62	7.020	7.020	(0.961)	13741	5.00000	5.044
	47 Trichloroethene	130	7.701	7.701	(1.054)	12734	5.00000	5.042
	49 1,2-Dichloropropane	63	7.932	7.932	(1.086)	11318	5.00000	4.650(Q)
	50 Dibromomethane	93	8.054	8.054	(1.102)	6565	5.00000	5.534(Q)
	53 Bromodichloromethane	83	8.230	8.230	(1.127)	9273	5.00000	4.280
	57 cis-1,3-Dichloropropene	75	8.693	8.693	(1.190)	13518	5.00000	4.389
	58 4-Methyl-2-Pentanone	43	8.857	8.857	(0.851)	62719	25.0000	28.72
	60 Toluene	91	9.027	9.027	(0.868)	49240	5.00000	5.206
	61 trans-1,3-Dichloropropene	75	9.246	9.246	(0.889)	11205	5.00000	4.837
	63 1,3-Dichloropropane	76	9.599	9.599	(0.923)	17581	5.00000	5.888
	64 1,1,2-Trichloroethane	97	9.435	9.435	(0.907)	8823	5.00000	5.356
	65 Tetrachloroethene	164	9.575	9.575	(0.920)	7371	5.00000	4.581
	66 2-Hexanone	43	9.690	9.690	(0.932)	40863	25.0000	26.21
	67 Dibromochloromethane	129	9.824	9.824	(0.944)	4566	5.00000	4.090
	68 1,2-Dibromoethane	107	9.940	9.940	(0.956)	8677	5.00000	5.648
	70 Chlorobenzene	112	10.426	10.426	(1.002)	29060	5.00000	5.084
	71 1,1,1,2-Tetrachloroethane	131	10.512	10.512	(1.011)	7578	5.00000	5.103
	72 Ethylbenzene	106	10.536	10.536	(1.013)	15976	5.00000	4.670
	73 m + p-Xylene	106	10.652	10.652	(1.024)	41585	10.0000	10.06
	74 Xylene-o	106	11.047	11.047	(1.062)	20575	5.00000	5.140
M	75 Xylenes (total)	106				62160	15.0000	15.20
	76 Styrene	104	11.059	11.059	(1.063)	31105	5.00000	4.979
	77 Bromoform	173	11.254	11.254	(1.082)	3350	5.00000	6.196(Q)
	78 Isopropylbenzene	105	11.418	11.418	(1.098)	46908	5.00000	4.918
	79 Bromobenzene	156	11.722	11.722	(0.921)	10219	5.00000	5.049
	81 n-Propylbenzene	120	11.826	11.826	(0.929)	13396	5.00000	4.882(Q)
	82 2-Chlorotoluene	126	11.917	11.917	(0.936)	11906	5.00000	5.314
	83 1,1,2,2-Tetrachloroethane	83	11.710	11.710	(0.920)	11928	5.00000	5.737
	84 1,2,3-Trichloropropane	110	11.759	11.759	(0.924)	3673	5.00000	5.564
	85 4-Chlorotoluene	126	12.020	12.020	(0.945)	11742	5.00000	4.823(Q)
	86 1,3,5-Trimethylbenzene	105	11.996	11.996	(0.943)	34561	5.00000	4.843
	87 tert-Butylbenzene	119	12.324	12.324	(0.968)	30925	5.00000	4.913
	88 1,2,4-Trimethylbenzene	105	12.373	12.373	(0.972)	32892	5.00000	4.634
	89 sec-Butylbenzene	105	12.543	12.543	(0.986)	40610	5.00000	4.698
	90 4-Isopropyltoluene	119	12.689	12.689	(0.997)	32297	5.00000	4.649
	91 1,3-Dichlorobenzene	146	12.659	12.659	(0.995)	17668	5.00000	4.914
	93 1,4-Dichlorobenzene	146	12.750	12.750	(1.002)	19615	5.00000	5.318
	94 n-Butylbenzene	91	13.097	13.097	(1.029)	25201	5.00000	4.458
	95 1,2-Dichlorobenzene	146	13.127	13.127	(1.032)	16566	5.00000	5.117
	96 1,2-Dibromo-3-chloropropane	157	13.906	13.906	(1.093)	1123	5.00000	4.515(Q)
	97 1,2,4-Trichlorobenzene	180	14.734	14.734	(1.158)	7227	5.00000	4.973
	98 Hexachlorobutadiene	225	14.910	14.910	(1.172)	2791	5.00000	5.250
	99 Naphthalene	128	14.989	14.989	(1.178)	22858	5.00000	5.452
	100 1,2,3-Trichlorobenzene	180	15.232	15.232	(1.197)	6349	5.00000	5.593
	156 Methyl Acetate	43	4.051	4.051	(0.555)	9606	5.00000	4.994
	157 Cyclohexane	56	6.618	6.618	(0.906)	26673	5.00000	4.722
	158 Methyl Cyclohexane	83	7.902	7.902	(1.082)	19989	5.00000	4.424
	160 1,3,5-Trichlorobenzene	180	14.119	14.119	(1.109)	9565	5.00000	5.703
	168 3-Chlorobenzotrifluoride	180	10.408	10.408	(1.001)	20308	5.00000	5.978
	169 4-Chlorobenzotrifluoride	180	10.463	10.463	(1.006)	18809	5.00000	6.068

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
170 2-Chlorobenzotrifluoride	180	11.309	11.309	(1.087)	18250	5.00000	6.071
171 3-Chlorotoluene	126	11.978	11.978	(0.941)	12948	5.00000	5.521
172 3,4-Dichlorobenzotrifluoride	214	12.440	12.440	(0.978)	11344	5.00000	6.059
173 2,4-Dichlorobenzotrifluoride	214	12.793	12.793	(1.005)	9894	5.00000	6.337
174 2,5-Dichlorobenzotrifluoride	214	12.848	12.848	(1.010)	11277	5.00000	6.284
175 Dichlorotoluene(2,4/2,5/2,6)	125	14.052	14.052	(1.104)	34838	15.0000	16.37
176 Dichlorotoluene(2,3/3,4)	125	14.472	14.472	(1.137)	21760	10.0000	10.76
177 2,4,5-Trichlorotoluene	159	16.108	16.108	(1.266)	3641	5.00000	6.675(Q)
178 2,3,6-Trichlorotoluene	159	16.224	16.224	(1.275)	2489	5.00000	5.393

QC Flag Legend

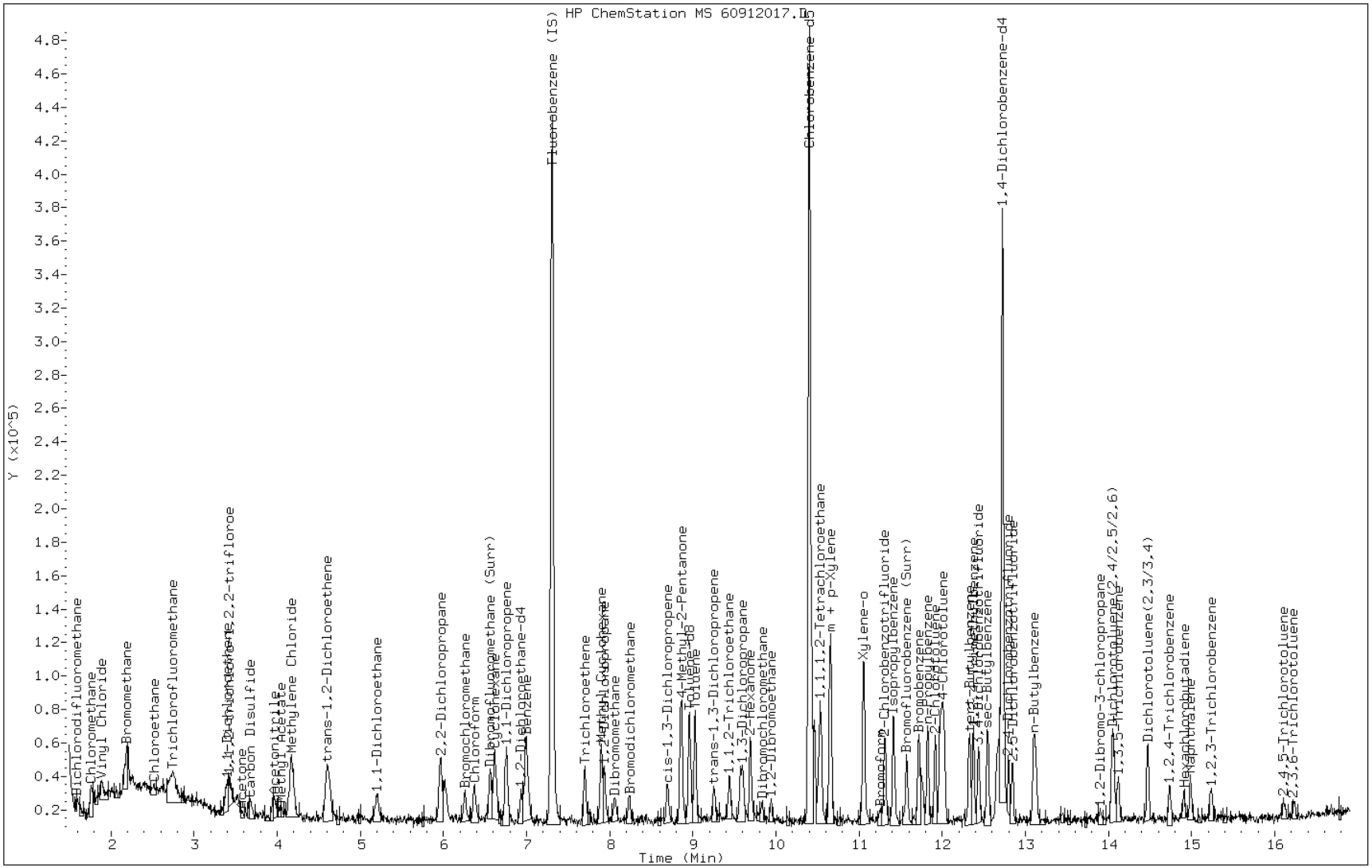
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: 60912017.D

Date: 12-SEP-2012 18:08

Client ID: IC 1 Instrument: hp6.i

Sample Info: IC Operator: 403808



Manual Integration Report

Data File: 60912017.D
Inj. Date and Time: 12-SEP-2012 18:08
Instrument ID: hp6.i
Client ID: IC 1
Compound: 17 Acetonitrile
CAS #: 75-05-8
Report Date: 09/12/2012

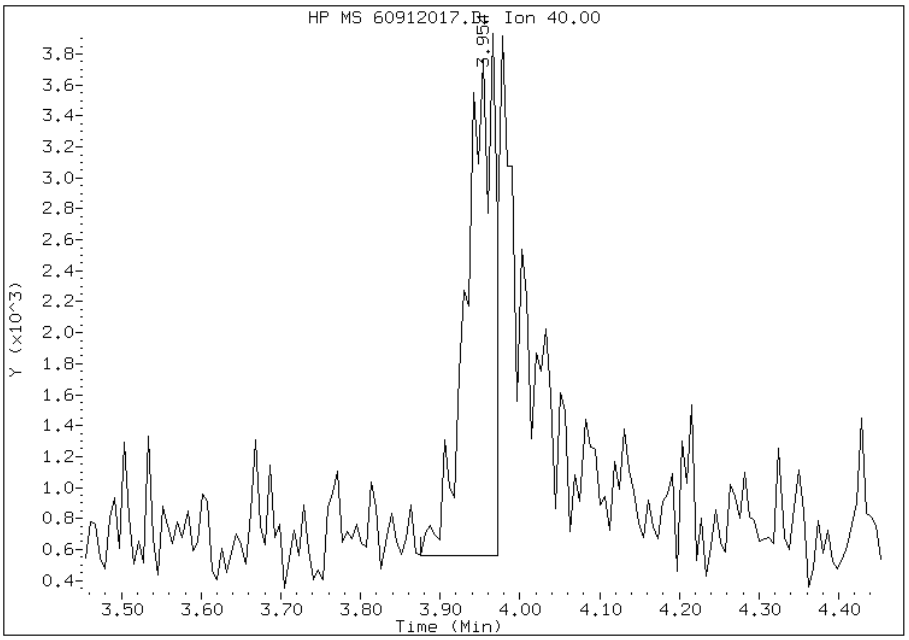
Processing Integration Results

RT: 3.95

Response: 8443

Amount: 68

Conc: 68



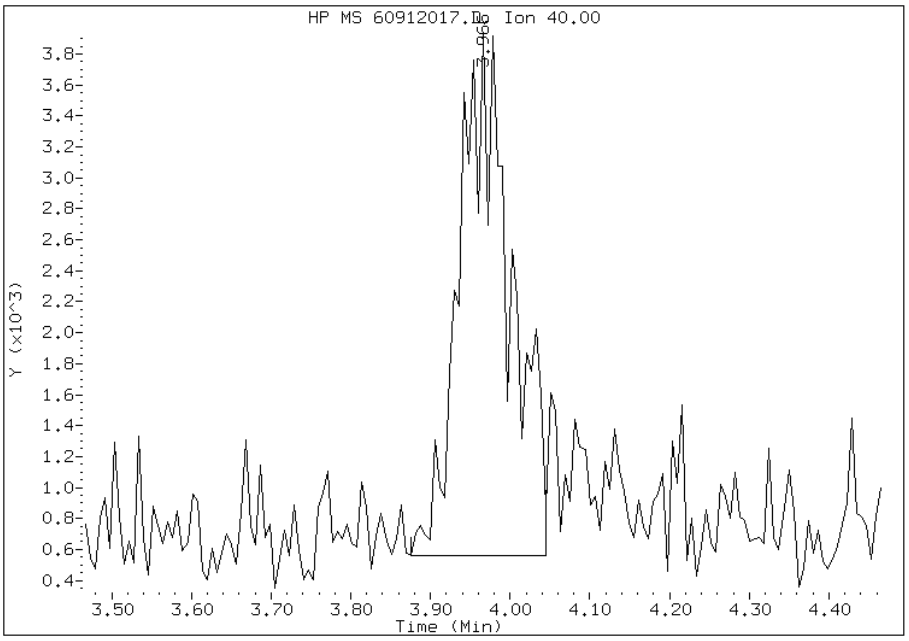
Manual Integration Results

RT: 3.97

Response: 15435

Amount: 127

Conc: 127



Manually Integrated By: lipayj
Modification Date: 12-Sep-2012 18:25
Manual Integration Reason: Peak Integrated Incorrectly

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 48350

SDG No.:

Instrument ID: HP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/13/2012 09:45 Calibration End Date: 09/13/2012 12:57 Calibration ID: 6647

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-48350/8	60913012.D
Level 2	IC 180-48350/2	60913004.D
Level 3	ICIS 180-48350/3	60913005.D
Level 4	IC 180-48350/4	60913006.D
Level 5	IC 180-48350/5	60913007.D
Level 6	IC 180-48350/6	60913008.D
Level 7	IC 180-48350/7	60913009.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acrolein	0.0240 0.0298	0.0240 0.0210	0.0218	0.0267	0.0303	Ave		0.0254				14.5		15.0			
Iodomethane	0.3121 0.3249	0.3374 0.3106	0.3506	0.3243	0.3344	Ave		0.3278				4.3		15.0			
Allyl chloride	0.1142 0.1435	0.1396 0.1404	0.1439	0.1409	0.1437	Ave		0.1380				7.7		15.0			
Acrylonitrile	0.1035 0.1095	0.1105 0.1004	0.1143	0.1088	0.1107	Ave		0.1082				4.4		15.0			
Vinyl acetate	0.3832 0.5092	0.4271 0.4675	0.4737	0.4523	0.4976	Ave		0.4587				9.4		15.0			
Chloroprene	0.4149 0.4906	0.4711 0.4646	0.5122	0.4733	0.4994	Ave		0.4752				6.6		15.0			
Propionitrile	0.0429 0.0373	0.0356 0.0359	0.0404	0.0369	0.0380	Ave		0.0381				6.9		15.0			
Methacrylonitrile	0.1725 0.1641	0.1492 0.1545	0.1605	0.1581	0.1672	Ave		0.1609				4.9		15.0			
Isobutyl alcohol	0.0064 0.0068	0.0068 0.0068	0.0075	0.0069	0.0066	Ave		0.0068				4.9		15.0			
Methyl methacrylate	0.1952 0.2226	0.1872 0.1789	0.1995	0.2043	0.2153	Ave		0.2004				7.6		15.0			
1,4-Dioxane	0.0027 0.0020	0.0023 0.0020	0.0027	0.0023	0.0021	Ave		0.0023				12.2		15.0			
2-Chloroethyl vinyl ether	0.1290 0.1632	0.1376 0.1460	0.1463	0.1482	0.1581	Ave		0.1469				7.9		15.0			
Ethyl methacrylate	1.1900 1.4816	1.2679 1.1694	1.3376	1.3602	1.4578	Ave		1.3235				9.2		15.0			
trans-1,4-Dichloro-2-butene	0.2503 0.2778	0.2261 +++++	0.2508	0.2571	0.2725	Ave		0.2558				7.2		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 48350

SDG No.:

Instrument ID: HP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/13/2012 09:45 Calibration End Date: 09/13/2012 12:57 Calibration ID: 6647

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-48350/8	60913012.D
Level 2	IC 180-48350/2	60913004.D
Level 3	ICIS 180-48350/3	60913005.D
Level 4	IC 180-48350/4	60913006.D
Level 5	IC 180-48350/5	60913007.D
Level 6	IC 180-48350/6	60913008.D
Level 7	IC 180-48350/7	60913009.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Acrolein	FB	Ave	25237 69251	31497 57655	32862	48155	62026	100 225	125 250	150	175	200
Iodomethane	FB	Ave	16399 586355	88457 682912	176209	251020	342796	5.00 175	25.0 200	50.0	75.0	100
Allyl chloride	FB	Ave	6003 259026	36595 308674	72328	109082	147317	5.00 175	25.0 200	50.0	75.0	100
Acrylonitrile	FB	Ave	108762 254000	144882 275851	172315	196543	226907	100 225	125 250	150	175	200
Vinyl acetate	FB	Ave	20137 919048	111971 1027780	238100	350032	510080	5.00 175	25.0 200	50.0	75.0	100
Chloroprene	FB	Ave	21805 885468	123511 1021417	257430	366327	511862	5.00 175	25.0 200	50.0	75.0	100
Propionitrile	FB	Ave	4509 134696	18642 157862	40606	57084	77908	10.0 350	50.0 400	100	150	200
Methacrylonitrile	FB	Ave	9067 296209	39110 339598	80685	122361	171385	5.00 175	25.0 200	50.0	75.0	100
Isobutyl alcohol	FB	Ave	13532 489513	70951 601296	150734	213874	271079	200 7000	1000 8000	2000	3000	4000
Methyl methacrylate	FB	Ave	10256 401793	49079 393338	100260	158090	220656	5.00 175	25.0 200	50.0	75.0	100
1,4-Dioxane	FB	Ave	28686 734393	119216 894807	267060	358489	437170	1000 35000	5000 40000	10000	15000	20000
2-Chloroethyl vinyl ether	FB	Ave	13563 588977	72139 641944	147029	229387	324204	10.0 350	50.0 400	100	150	200
Ethyl methacrylate	CBZ	Ave	12433 534546	64447 496556	132276	204091	289448	5.00 175	25.0 200	50.0	75.0	100
trans-1,4-Dichloro-2-butene	DCB	Ave	3171 120787	14454 +++++	30972	48703	65506	5.00 175	25.0 +++++	50.0	75.0	100

Curve Type Legend:
Ave = Average ISTD

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6091312d8.b\60913004.D
Lab Smp Id: IC Client Smp ID: IC Appix 5
Inj Date : 13-SEP-2012 09:45
Operator : 001562 Inst ID: hp6.i
Smp Info : IC, Appix 5
Misc Info : T6091312d8.b,T8260bllw.m,1-appix.sub
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6091312d8.b\T8260bllw.m
Meth Date : 13-Sep-2012 17:55 hp6.i Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 54 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-appix.sub
Target Version: 4.14
Processing Host: PITPC-530

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
* 46 Fluorobenzene (IS)	96	7.309	7.309	(1.000)	524374	50.0000	
* 69 Chlorobenzene-d5	119	10.399	10.399	(1.000)	101659	50.0000	(Q)
* 92 1,4-Dichlorobenzene-d4	152	12.723	12.723	(1.000)	127883	50.0000	(Q)
11 Acrolein	56	3.269	3.269	(0.447)	31497	125.000	0.0000(M)
14 Iodomethane	142	3.598	3.598	(0.492)	88457	25.0000	0.0000(Q)
22 Acrylonitrile	53	4.583	4.583	(0.627)	144882	125.000	0.0000(Q)
16 3-Chloro-1-propene	76	3.969	3.969	(0.543)	36595	25.0000	0.0000(QM)
26 2-Chloro-1,3-butadiene	53	5.326	5.326	(0.729)	123511	25.0000	0.0000(Q)
32 Vinyl Acetate	43	5.326	5.326	(0.729)	111971	25.0000	0.0000(Q)
34 Propionitrile	54	6.092	6.092	(0.834)	18642	50.0000	0.0000(Q)
36 Methacrylonitrile	41	6.269	6.269	(0.858)	39110	25.0000	0.0000(Q)
44 Isobutanol	41	6.968	6.968	(0.953)	70951	1000.00	0.0000(QM)
51 Methyl methacrylate	41	8.081	8.081	(1.106)	49079	25.0000	0.0000(Q)
52 1,4-Dioxane	88	8.087	8.087	(1.107)	119216	5000.00	0.0000(QM)
56 2-Chloroethyl vinyl ether	63	8.550	8.550	(1.170)	72139	50.0000	0.0000(Q)
179 Ethyl methacrylate	69	9.347	9.347	(0.899)	64447	25.0000	0.0000(Q)
159 trans-1,4-Dichloro-2-butene	53	11.768	11.768	(0.925)	14454	25.0000	0.0000

QC Flag Legend

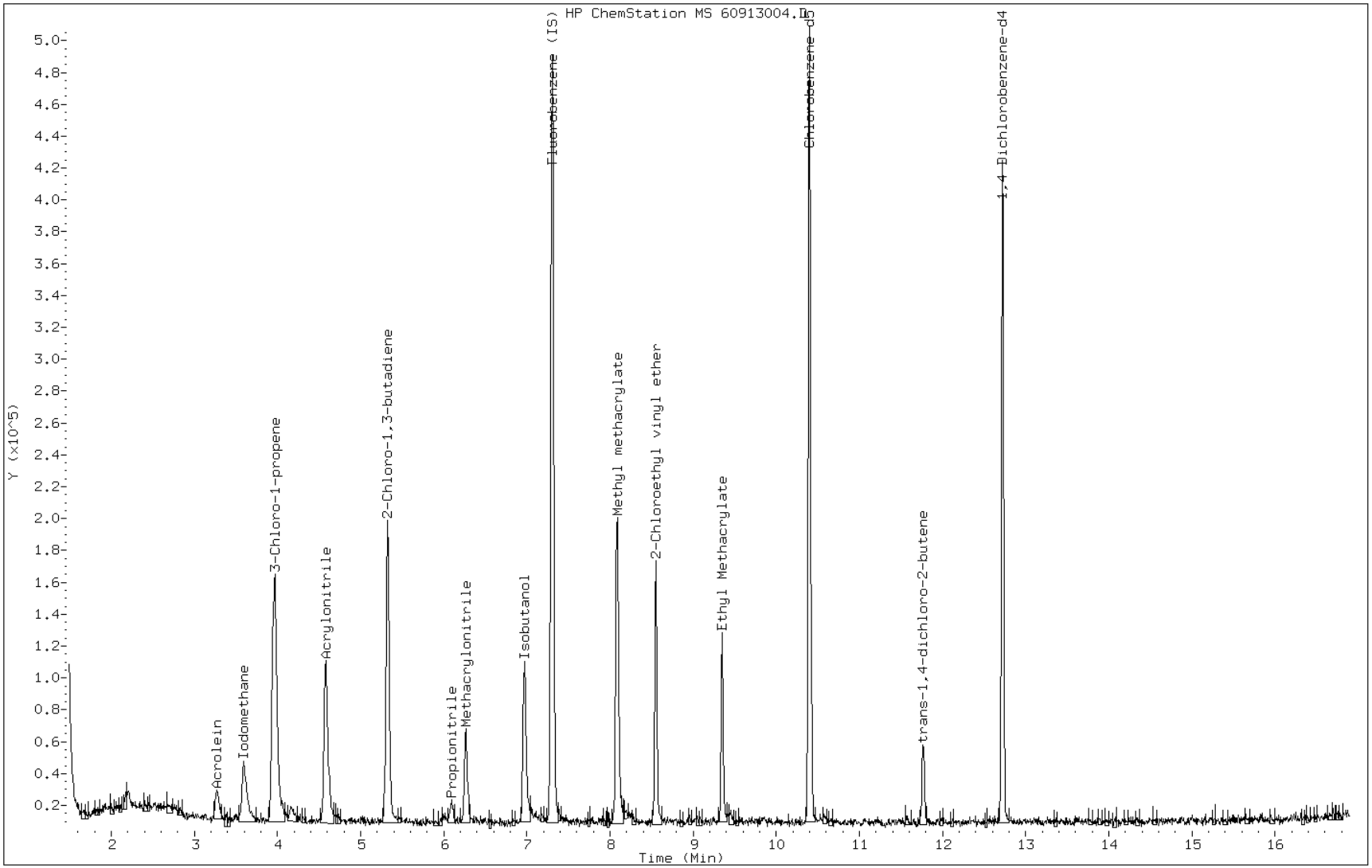
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: 60913004.D

Date: 13-SEP-2012 09:45

Client ID: IC Appix 5 Instrument: hp6.i

Sample Info: IC, Appix 5 Operator: 001562



Manual Integration Report

Data File: 60913004.D
Inj. Date and Time: 13-SEP-2012 09:45
Instrument ID: hp6.i
Client ID: IC Appix 5
Compound: 11 Acrolein
CAS #: 107-02-8
Report Date: 09/13/2012

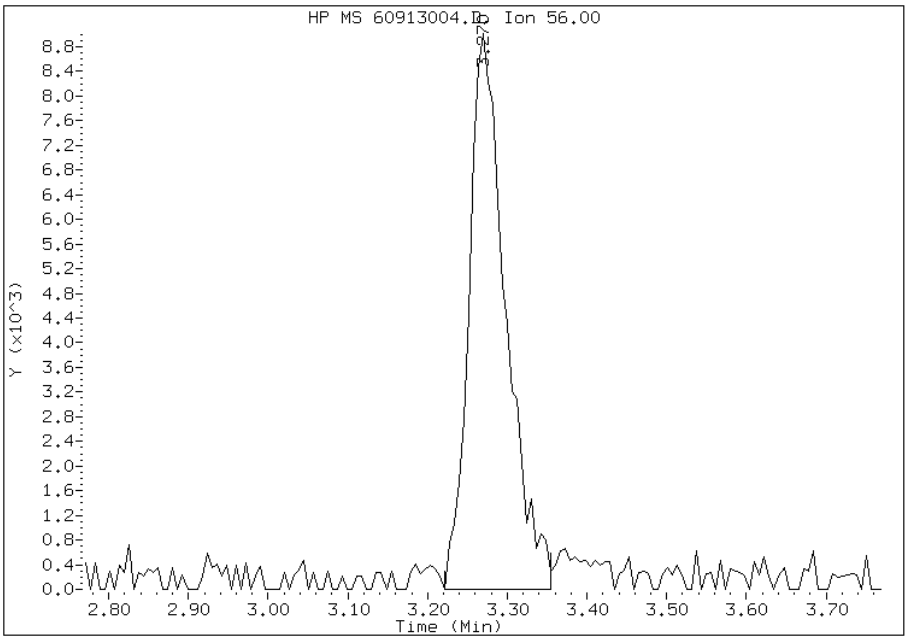
Processing Integration Results

RT: 3.27

Response: 29407

Amount: 147

Conc: 147



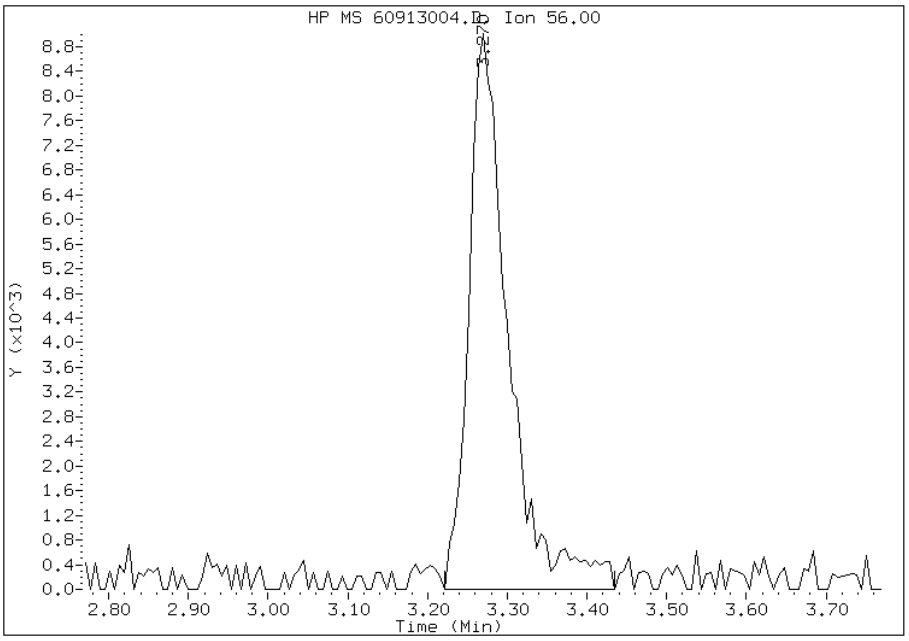
Manual Integration Results

RT: 3.27

Response: 31497

Amount: 0

Conc: 0



Manually Integrated By: fergusond
Modification Date: 13-Sep-2012 11:47
Manual Integration Reason:

Manual Integration Report

Data File: 60913004.D
Inj. Date and Time: 13-SEP-2012 09:45
Instrument ID: hp6.i
Client ID: IC Appix 5
Compound: 16 3-Chloro-1-propene
CAS #: 107-05-1
Report Date: 09/13/2012

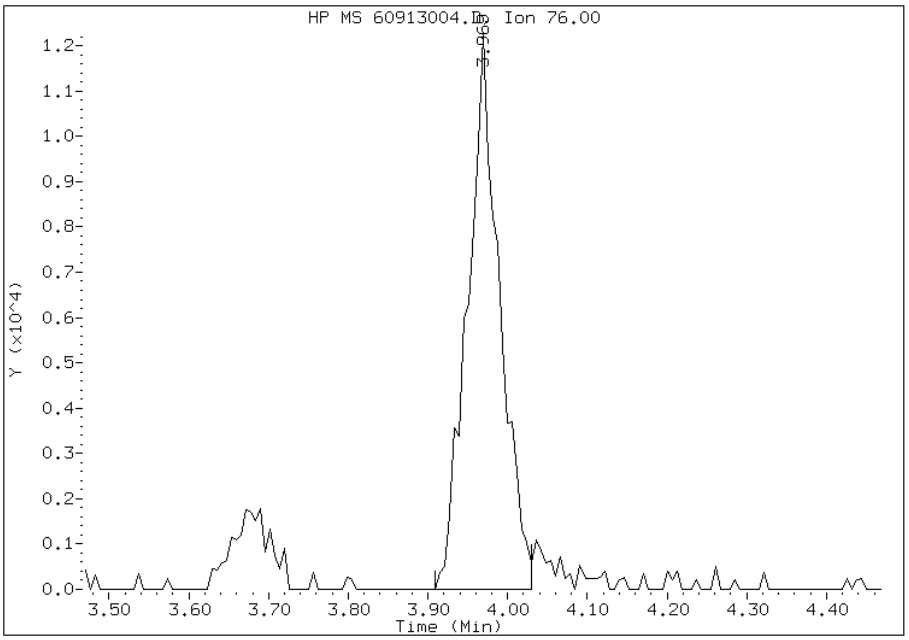
Processing Integration Results

RT: 3.97

Response: 34855

Amount: 23

Conc: 23



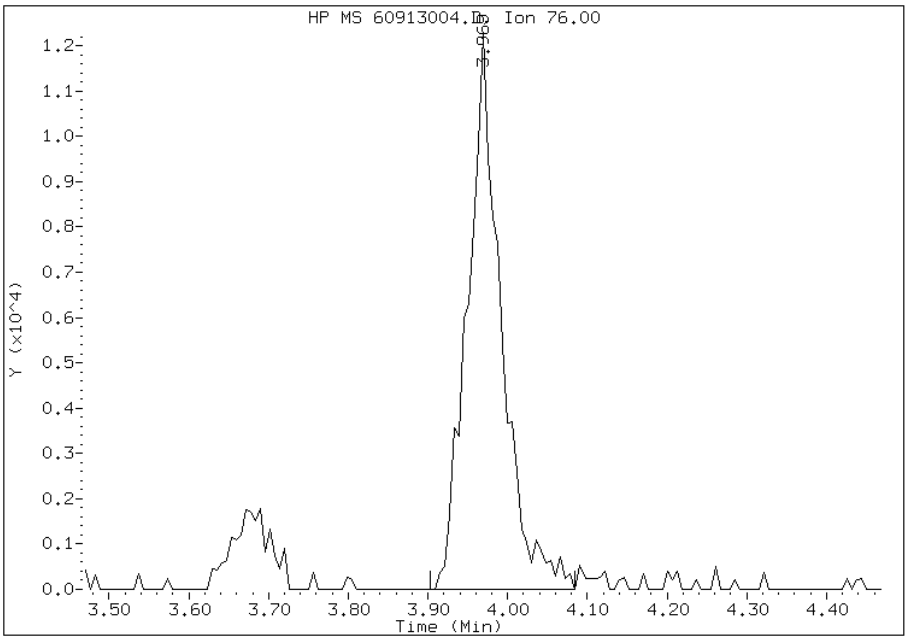
Manual Integration Results

RT: 3.97

Response: 36595

Amount: 0

Conc: 0



Manually Integrated By: fergusond
Modification Date: 13-Sep-2012 11:48
Manual Integration Reason: Peak Integrated Incorrectly

Manual Integration Report

Data File: 60913004.D
Inj. Date and Time: 13-SEP-2012 09:45
Instrument ID: hp6.i
Client ID: IC Appix 5
Compound: 44 Isobutanol
CAS #: 78-83-1
Report Date: 09/13/2012

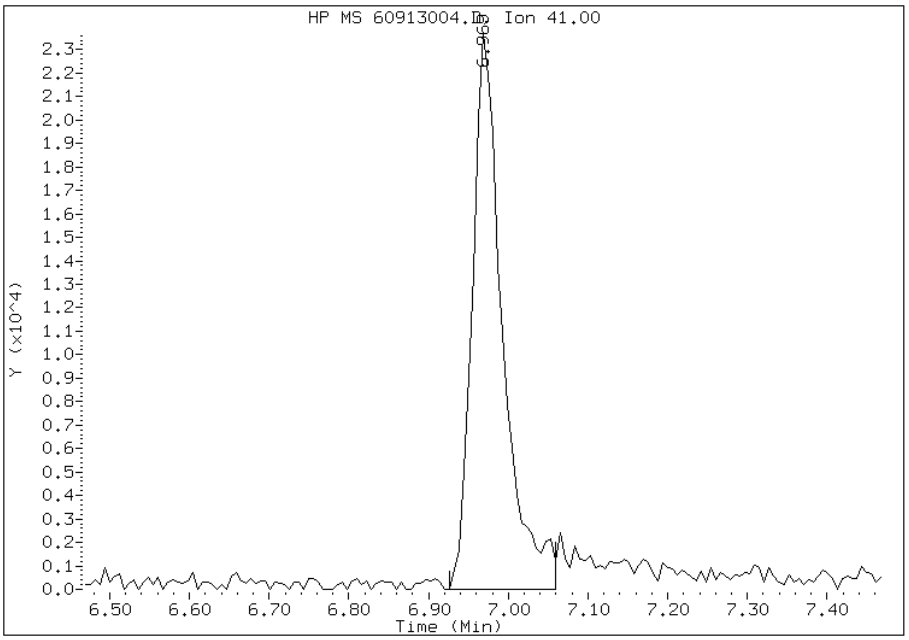
Processing Integration Results

RT: 6.97

Response: 63696

Amount: 841

Conc: 841



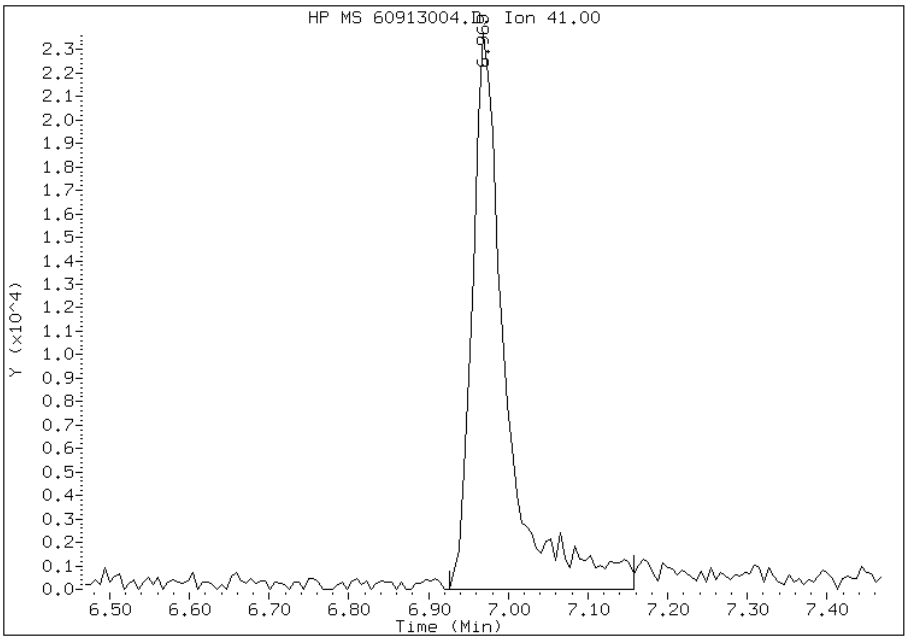
Manual Integration Results

RT: 6.97

Response: 70951

Amount: 0

Conc: 0



Manually Integrated By: fergusond
Modification Date: 13-Sep-2012 11:48
Manual Integration Reason: Peak Integrated Incorrectly

Manual Integration Report

Data File: 60913004.D
Inj. Date and Time: 13-SEP-2012 09:45
Instrument ID: hp6.i
Client ID: IC Appix 5
Compound: 52 1,4-Dioxane
CAS #: 123-91-1
Report Date: 09/13/2012

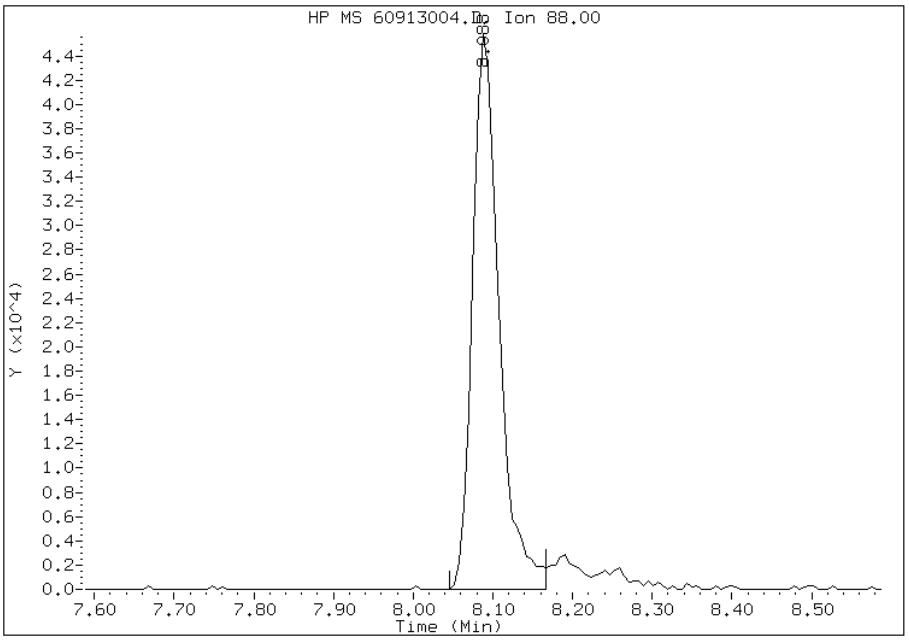
Processing Integration Results

RT: 8.09

Response: 107753

Amount: 4319

Conc: 4319



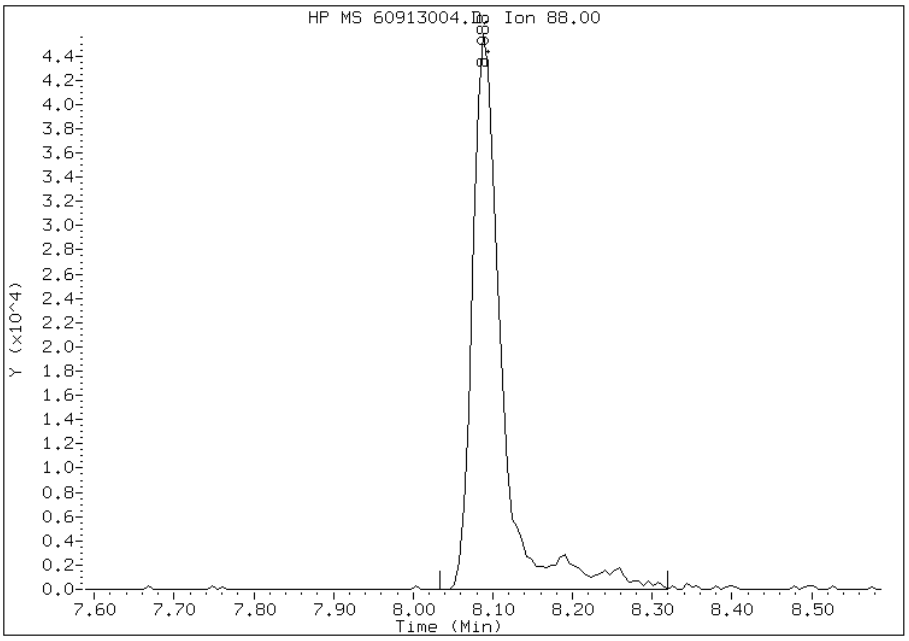
Manual Integration Results

RT: 8.09

Response: 119216

Amount: 0

Conc: 0



Manually Integrated By: fergusond
Modification Date: 13-Sep-2012 11:49
Manual Integration Reason: Peak Integrated Incorrectly

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6091312d8.b\60913005.D
Lab Smp Id: ICIS Client Smp ID: ICIS Appix
Inj Date : 13-SEP-2012 10:08
Operator : 001562 Inst ID: hp6.i
Smp Info : ICIS, Appix 10
Misc Info : T6091312d8.b,T8260bllw.m,1-appix.sub
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6091312d8.b\T8260bllw.m
Meth Date : 13-Sep-2012 17:55 hp6.i Quant Type: ISTD
Cal Date : 13-SEP-2012 09:45 Cal File: 60913004.D
Als bottle: 55 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-appix.sub
Target Version: 4.14
Processing Host: PITPC-530

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
* 46 Fluorobenzene (IS)	96	7.309	7.309	(1.000)	502606	50.0000	
* 69 Chlorobenzene-d5	119	10.400	10.400	(1.000)	98894	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.724	12.724	(1.000)	123506	50.0000	
11 Acrolein	56	3.276	3.276	(0.448)	32862	150.000	136.1(M)
14 Iodomethane	142	3.592	3.592	(0.492)	176209	50.0000	51.96
22 Acrylonitrile	53	4.584	4.584	(0.627)	172315	150.000	155.1
16 3-Chloro-1-propene	76	3.970	3.970	(0.543)	72328	50.0000	51.55(Q)
26 2-Chloro-1,3-butadiene	53	5.326	5.326	(0.729)	257430	50.0000	54.36
32 Vinyl Acetate	43	5.320	5.320	(0.728)	238100	50.0000	55.46
34 Propionitrile	54	6.093	6.093	(0.834)	40606	100.000	113.6
36 Methacrylonitrile	41	6.269	6.269	(0.858)	80685	50.0000	53.81
44 Isobutanol	41	6.969	6.969	(0.953)	150734	2000.00	2216(M)
51 Methyl methacrylate	41	8.082	8.082	(1.106)	100260	50.0000	53.28
52 1,4-Dioxane	88	8.094	8.094	(1.107)	267060	10000.0	11680
56 2-Chloroethyl vinyl ether	63	8.550	8.550	(1.170)	147029	100.000	106.3
179 Ethyl methacrylate	69	9.347	9.347	(0.899)	132276	50.0000	52.75
159 trans-1,4-Dichloro-2-butene	53	11.769	11.769	(0.925)	30972	50.0000	55.47

QC Flag Legend

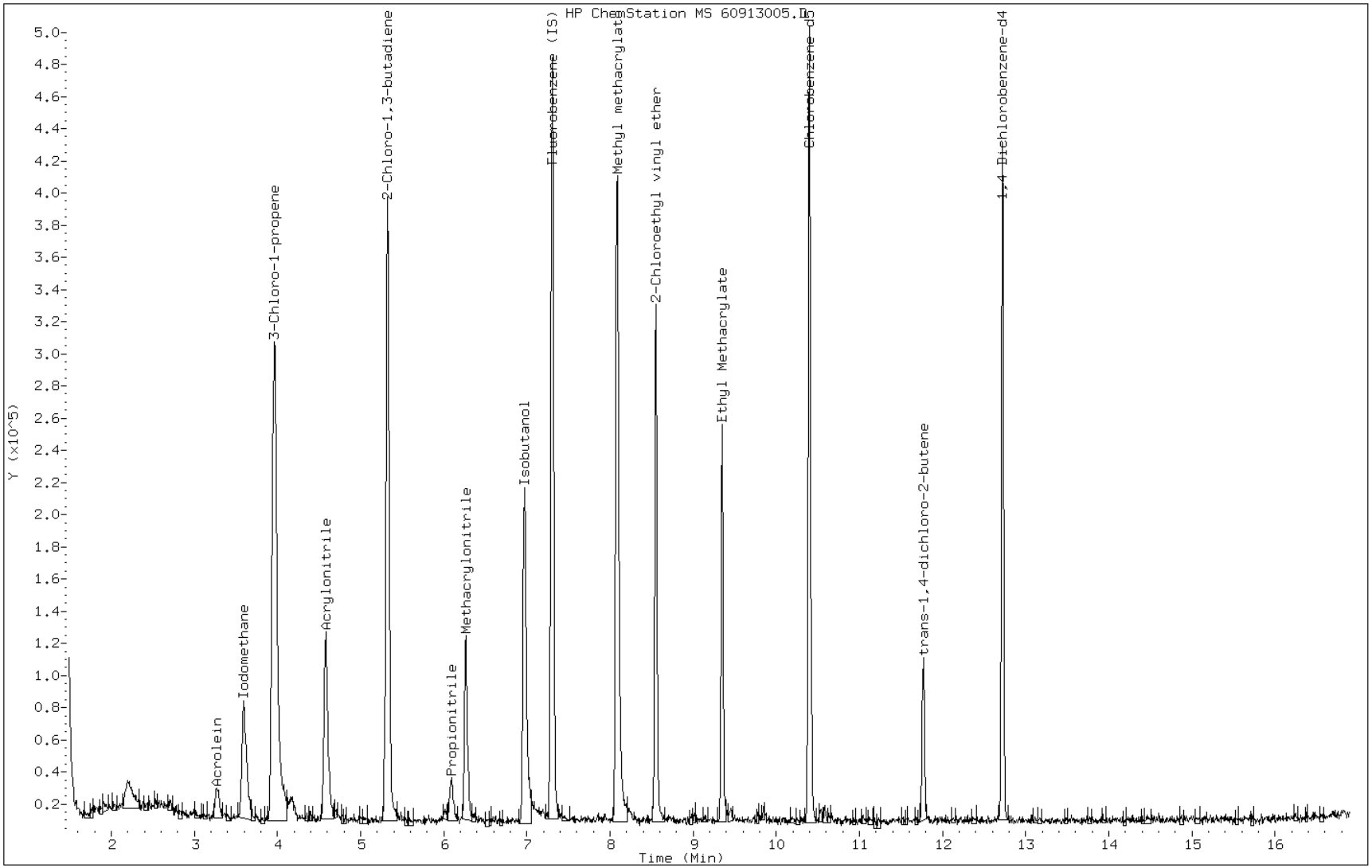
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: 60913005.D

Date: 13-SEP-2012 10:08

Client ID: ICIS Appix | Instrument: hp6.i

Sample Info: ICIS, Appix 10 | Operator: 001562



Manual Integration Report

Data File: 60913005.D
Inj. Date and Time: 13-SEP-2012 10:08
Instrument ID: hp6.i
Client ID: ICIS Appix
Compound: 11 Acrolein
CAS #: 107-02-8
Report Date: 09/13/2012

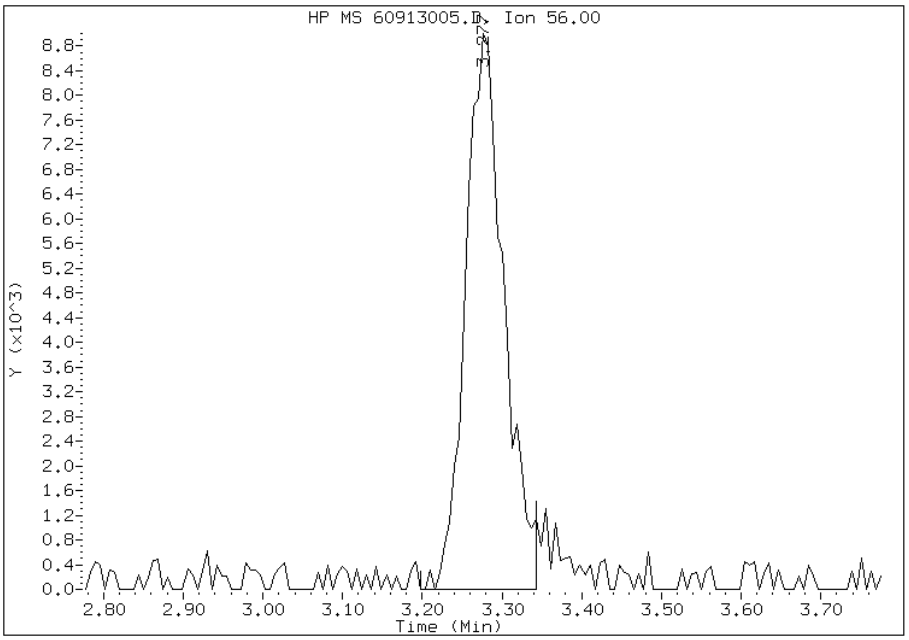
Processing Integration Results

RT: 3.28

Response: 30733

Amount: 155

Conc: 155



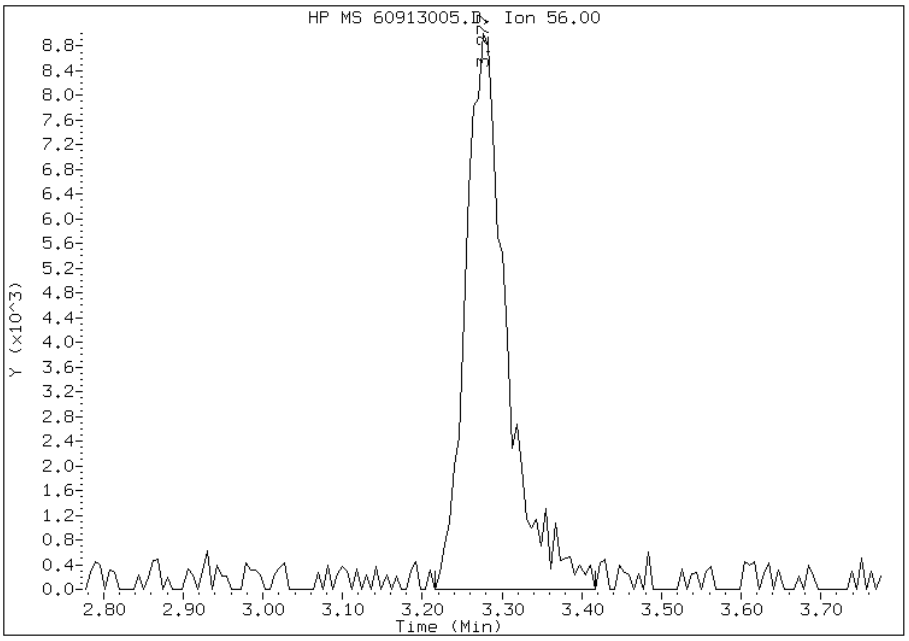
Manual Integration Results

RT: 3.28

Response: 32862

Amount: 136

Conc: 136



Manually Integrated By: fergusond
Modification Date: 13-Sep-2012 11:50
Manual Integration Reason: Peak Integrated Incorrectly

Manual Integration Report

Data File: 60913005.D
Inj. Date and Time: 13-SEP-2012 10:08
Instrument ID: hp6.i
Client ID: ICIS Appix
Compound: 44 Isobutanol
CAS #: 78-83-1
Report Date: 09/13/2012

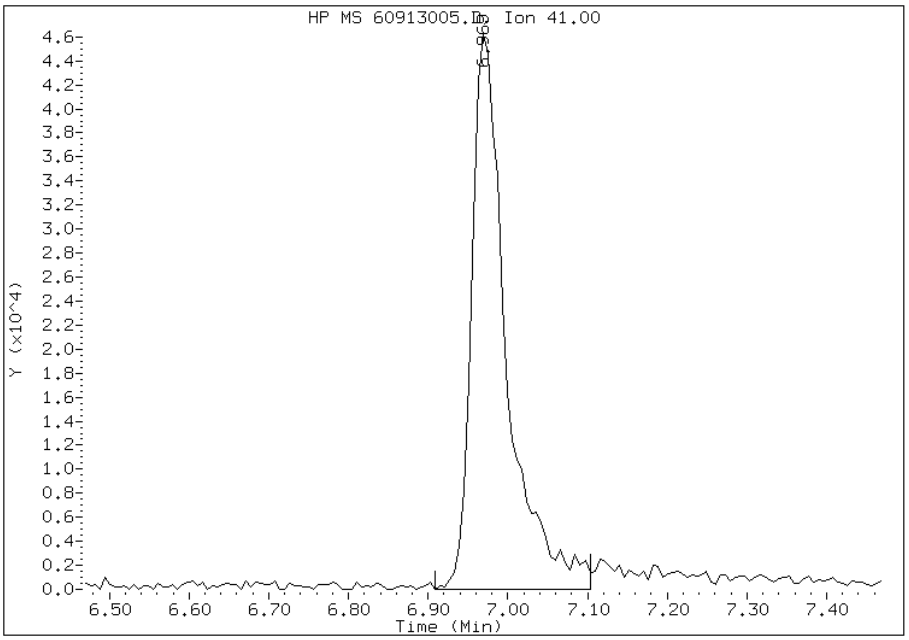
Processing Integration Results

RT: 6.97

Response: 143344

Amount: 1948

Conc: 1948



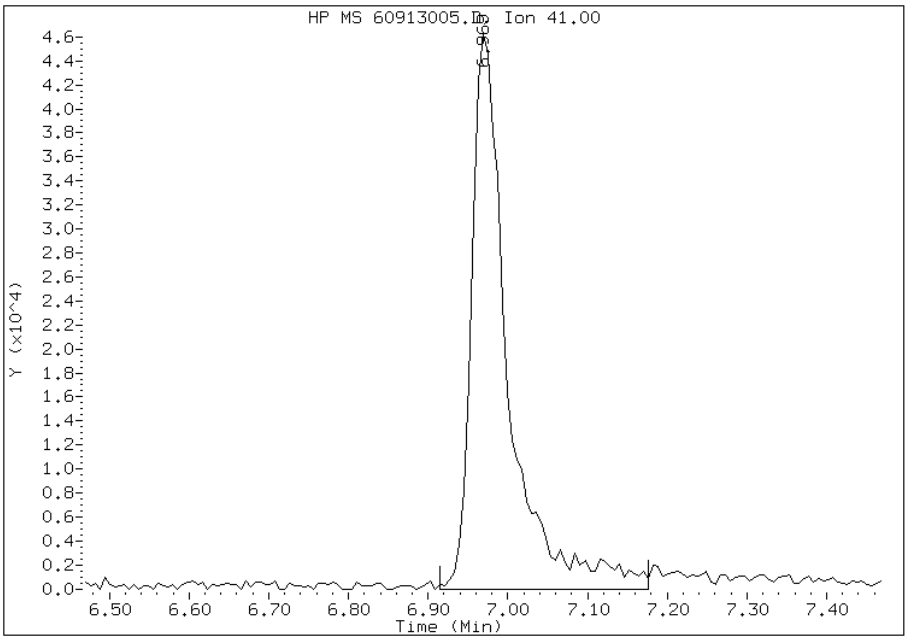
Manual Integration Results

RT: 6.97

Response: 150734

Amount: 2216

Conc: 2216



Manually Integrated By: fergusond
Modification Date: 13-Sep-2012 11:50
Manual Integration Reason: Peak Integrated Incorrectly

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6091312d8.b\60913006.D
Lab Smp Id: IC Client Smp ID: IC Appix 15
Inj Date : 13-SEP-2012 10:32
Operator : 001562 Inst ID: hp6.i
Smp Info : IC, Appix 15
Misc Info : T6091312d8.b,T8260bllw.m,1-appix.sub
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6091312d8.b\T8260bllw.m
Meth Date : 13-Sep-2012 17:55 hp6.i Quant Type: ISTD
Cal Date : 13-SEP-2012 10:08 Cal File: 60913005.D
Als bottle: 56 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-appix.sub
Target Version: 4.14
Processing Host: PITPC-530

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 46 Fluorobenzene (IS)	96	7.309	7.309	(1.000)	515953	50.0000	
* 69 Chlorobenzene-d5	119	10.399	10.399	(1.000)	100028	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.723	12.723	(1.000)	126291	50.0000	
11 Acrolein	56	3.269	3.269	(0.447)	48155	175.000	203.7
14 Iodomethane	142	3.598	3.598	(0.492)	251020	75.0000	70.72
22 Acrylonitrile	53	4.577	4.577	(0.626)	196543	175.000	169.4
16 3-Chloro-1-propene	76	3.969	3.969	(0.543)	109082	75.0000	74.58(Q)
26 2-Chloro-1,3-butadiene	53	5.325	5.325	(0.729)	366327	75.0000	72.21
32 Vinyl Acetate	43	5.319	5.319	(0.728)	350032	75.0000	75.31
34 Propionitrile	54	6.098	6.098	(0.834)	57084	150.000	145.7
36 Methacrylonitrile	41	6.262	6.262	(0.857)	122361	75.0000	76.58
44 Isobutanol	41	6.968	6.968	(0.953)	213874	3000.00	2906(M)
51 Methyl methacrylate	41	8.081	8.081	(1.106)	158090	75.0000	79.24
52 1,4-Dioxane	88	8.087	8.087	(1.107)	358489	15000.0	14090(M)
56 2-Chloroethyl vinyl ether	63	8.550	8.550	(1.170)	229387	150.000	156.6
179 Ethyl methacrylate	69	9.353	9.353	(0.899)	204091	75.0000	78.31
159 trans-1,4-Dichloro-2-butene	53	11.768	11.768	(0.925)	48703	75.0000	80.88

QC Flag Legend

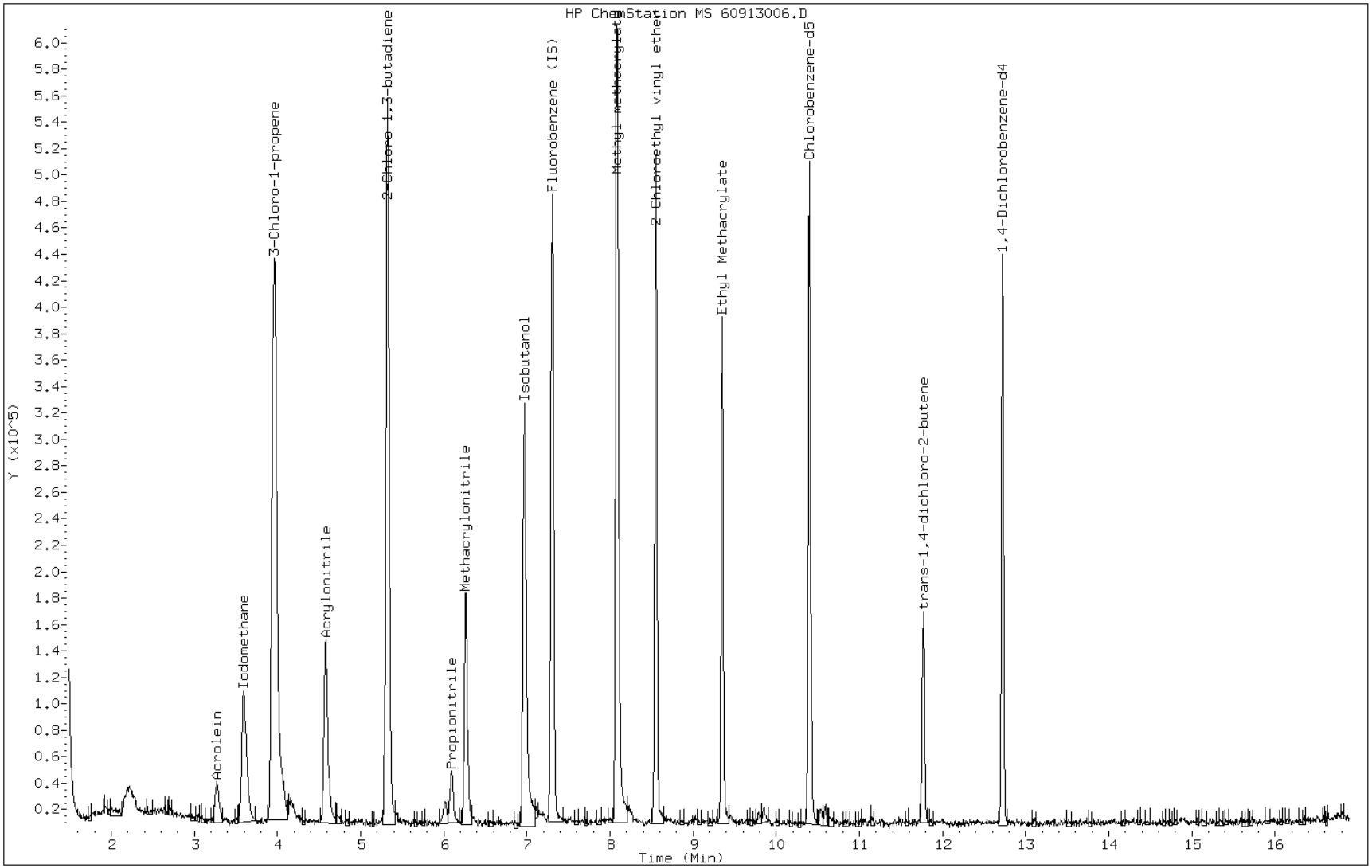
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: 60913006.D

Date: 13-SEP-2012 10:32

Client ID: IC Appix 15 Instrument: hp6.i

Sample Info: IC, Appix 15 Operator: 001562



Manual Integration Report

Data File: 60913006.D
Inj. Date and Time: 13-SEP-2012 10:32
Instrument ID: hp6.i
Client ID: IC Appix 15
Compound: 44 Isobutanol
CAS #: 78-83-1
Report Date: 09/13/2012

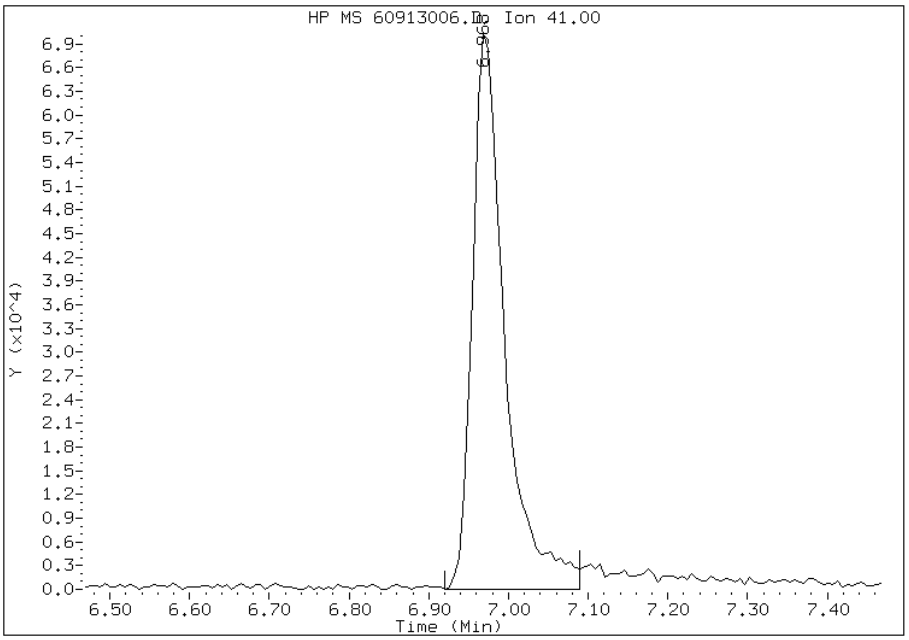
Processing Integration Results

RT: 6.97

Response: 201358

Amount: 2496

Conc: 2496



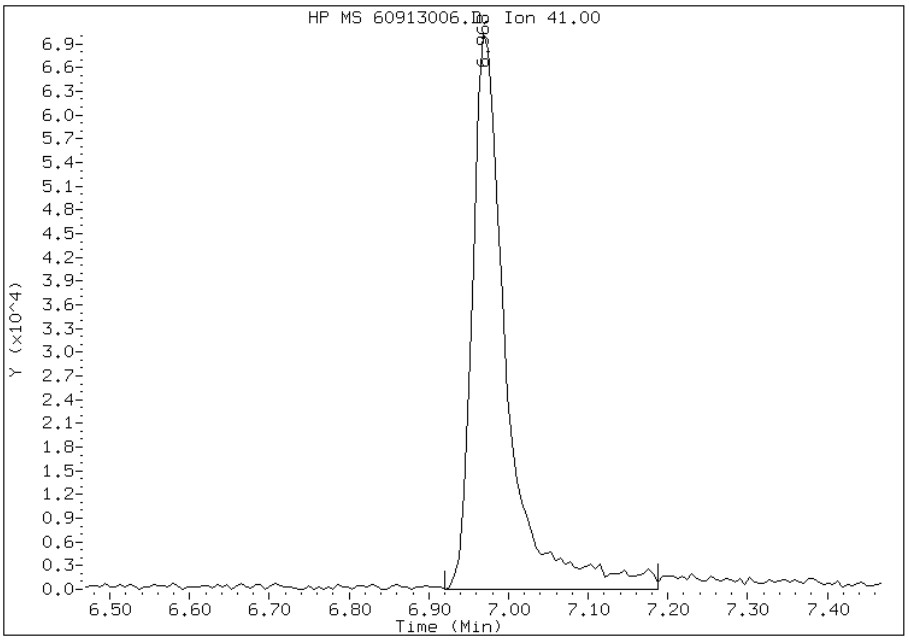
Manual Integration Results

RT: 6.97

Response: 213874

Amount: 2906

Conc: 2906



Manually Integrated By: fergusond
Modification Date: 13-Sep-2012 11:51
Manual Integration Reason: Peak Integrated Incorrectly

Manual Integration Report

Data File: 60913006.D
Inj. Date and Time: 13-SEP-2012 10:32
Instrument ID: hp6.i
Client ID: IC Appix 15
Compound: 52 1,4-Dioxane
CAS #: 123-91-1
Report Date: 09/13/2012

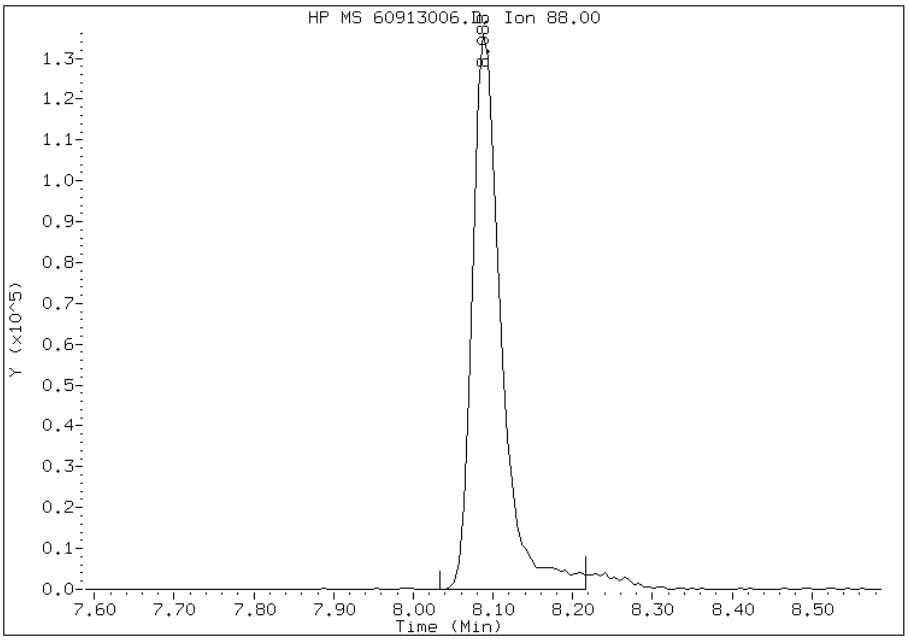
Processing Integration Results

RT: 8.09

Response: 346607

Amount: 13936

Conc: 13936



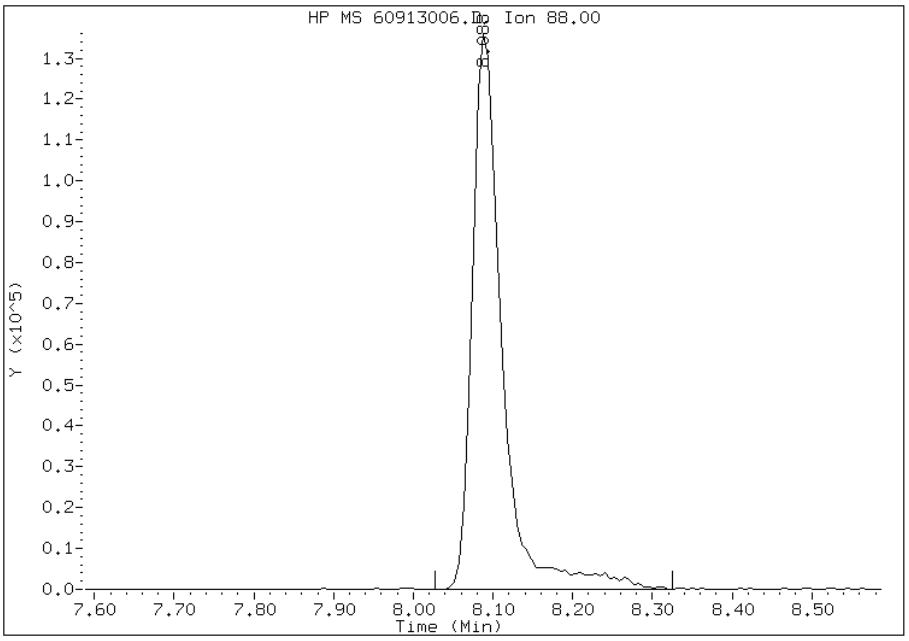
Manual Integration Results

RT: 8.09

Response: 358489

Amount: 14093

Conc: 14093



Manually Integrated By: fergusond
Modification Date: 13-Sep-2012 11:51
Manual Integration Reason: Peak Integrated Incorrectly

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6091312d8.b\60913007.D
Lab Smp Id: IC Client Smp ID: IC Appix 20
Inj Date : 13-SEP-2012 10:55
Operator : 001562 Inst ID: hp6.i
Smp Info : IC, Appix 20
Misc Info : T6091312d8.b,T8260bllw.m,1-appix.sub
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6091312d8.b\T8260bllw.m
Meth Date : 13-Sep-2012 17:55 hp6.i Quant Type: ISTD
Cal Date : 13-SEP-2012 10:32 Cal File: 60913006.D
Als bottle: 57 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-appix.sub
Target Version: 4.14
Processing Host: PITPC-530

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 46 Fluorobenzene (IS)	96	7.308	7.308	(1.000)	512520	50.0000	
* 69 Chlorobenzene-d5	119	10.398	10.398	(1.000)	99277	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.722	12.722	(1.000)	120183	50.0000	
11 Acrolein	56	3.268	3.268	(0.447)	62026	200.000	250.4
14 Iodomethane	142	3.603	3.603	(0.493)	342796	100.000	99.10
22 Acrylonitrile	53	4.582	4.582	(0.627)	226907	200.000	199.0
16 3-Chloro-1-propene	76	3.968	3.968	(0.543)	147317	100.000	101.6(Q)
26 2-Chloro-1,3-butadiene	53	5.325	5.325	(0.729)	511862	100.000	102.8
32 Vinyl Acetate	43	5.325	5.325	(0.729)	510080	100.000	110.3
34 Propionitrile	54	6.091	6.091	(0.834)	77908	200.000	202.1
36 Methacrylonitrile	41	6.274	6.274	(0.858)	171385	100.000	107.2
44 Isobutanol	41	6.973	6.973	(0.954)	271079	4000.00	3747
51 Methyl methacrylate	41	8.080	8.080	(1.106)	220656	100.000	109.3
52 1,4-Dioxane	88	8.086	8.086	(1.107)	437170	20000.0	17660
56 2-Chloroethyl vinyl ether	63	8.549	8.549	(1.170)	324204	200.000	219.6
179 Ethyl methacrylate	69	9.352	9.352	(0.899)	289448	100.000	110.3
159 trans-1,4-Dichloro-2-butene	53	11.767	11.767	(0.925)	65506	100.000	111.4

QC Flag Legend

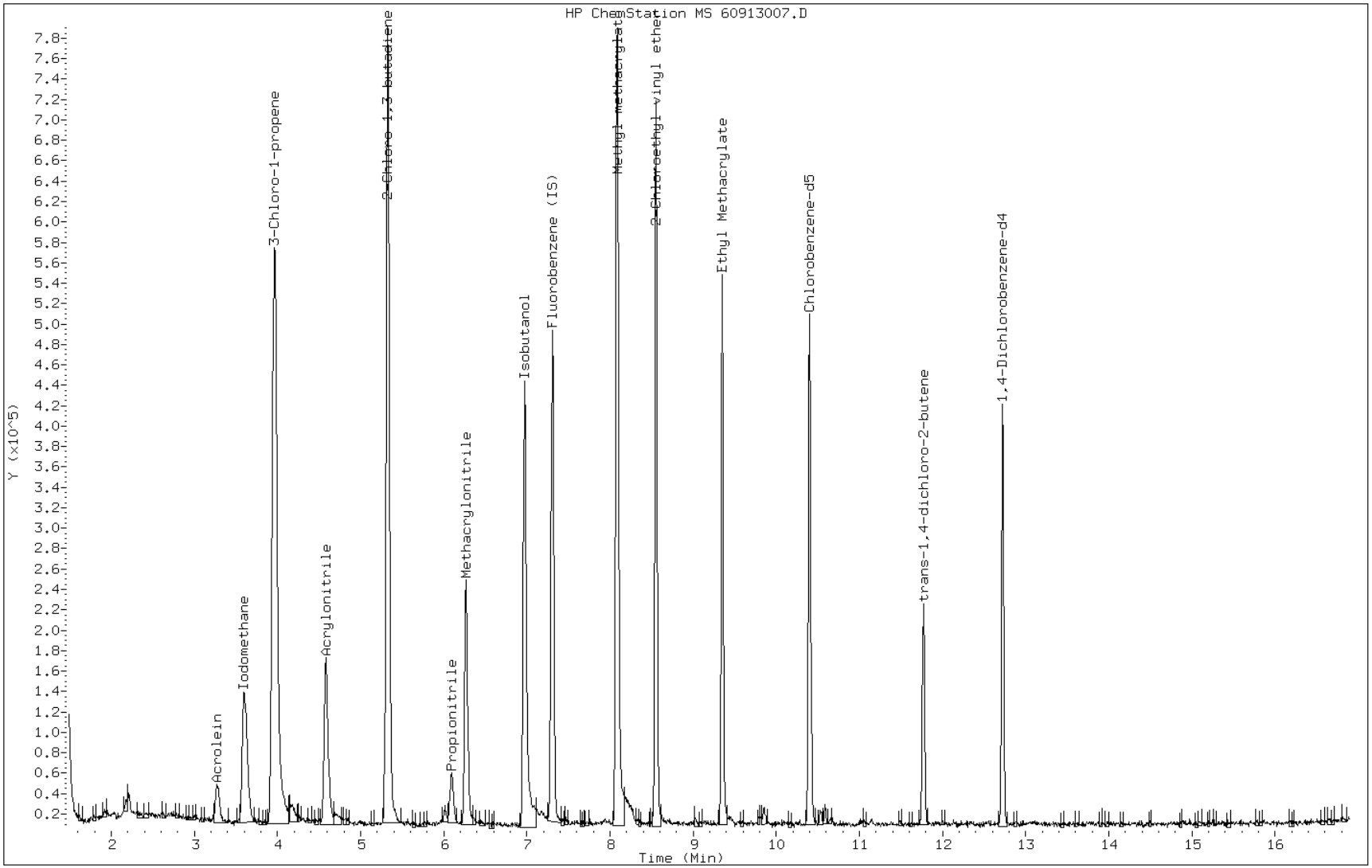
Q - Qualifier signal failed the ratio test.

Data File: 60913007.D

Date: 13-SEP-2012 10:55

Client ID: IC Appix 20 Instrument: hp6.i

Sample Info: IC, Appix 20 Operator: 001562



TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6091312d8.b\60913008.D
Lab Smp Id: IC Client Smp ID: IC APPIX 35
Inj Date : 13-SEP-2012 11:20
Operator : 001562 Inst ID: hp6.i
Smp Info : IC, Appix 35
Misc Info : T6091312d8.b,T8260bllw.m,1-appix.sub
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6091312d8.b\T8260bllw.m
Meth Date : 13-Sep-2012 17:55 hp6.i Quant Type: ISTD
Cal Date : 13-SEP-2012 10:55 Cal File: 60913007.D
Als bottle: 58 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-appix.sub
Target Version: 4.14
Processing Host: PITPC-530

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 46 Fluorobenzene (IS)	96	7.306	7.306	(1.000)	515692	50.0000	
* 69 Chlorobenzene-d5	119	10.402	10.402	(1.000)	103083	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.726	12.726	(1.000)	124207	50.0000	
11 Acrolein	56	3.266	3.266	(0.447)	69251	225.000	261.4
14 Iodomethane	142	3.595	3.595	(0.492)	586355	175.000	168.8
22 Acrylonitrile	53	4.586	4.586	(0.628)	254000	225.000	221.7
16 3-Chloro-1-propene	76	3.966	3.966	(0.543)	259026	175.000	176.8(Q)
26 2-Chloro-1,3-butadiene	53	5.328	5.328	(0.729)	885468	175.000	175.6
32 Vinyl Acetate	43	5.316	5.316	(0.728)	919048	175.000	192.6
34 Propionitrile	54	6.089	6.089	(0.833)	134696	350.000	346.3
36 Methacrylonitrile	41	6.265	6.265	(0.858)	296209	175.000	180.9
44 Isobutanol	41	6.971	6.971	(0.954)	489513	7000.00	6833
51 Methyl methacrylate	41	8.078	8.078	(1.106)	401793	175.000	193.3
52 1,4-Dioxane	88	8.084	8.084	(1.107)	734393	35000.0	30370
56 2-Chloroethyl vinyl ether	63	8.553	8.553	(1.171)	588977	350.000	387.0
179 Ethyl methacrylate	69	9.350	9.350	(0.899)	534546	175.000	191.2
159 trans-1,4-Dichloro-2-butene	53	11.771	11.771	(0.925)	120787	175.000	193.2

QC Flag Legend

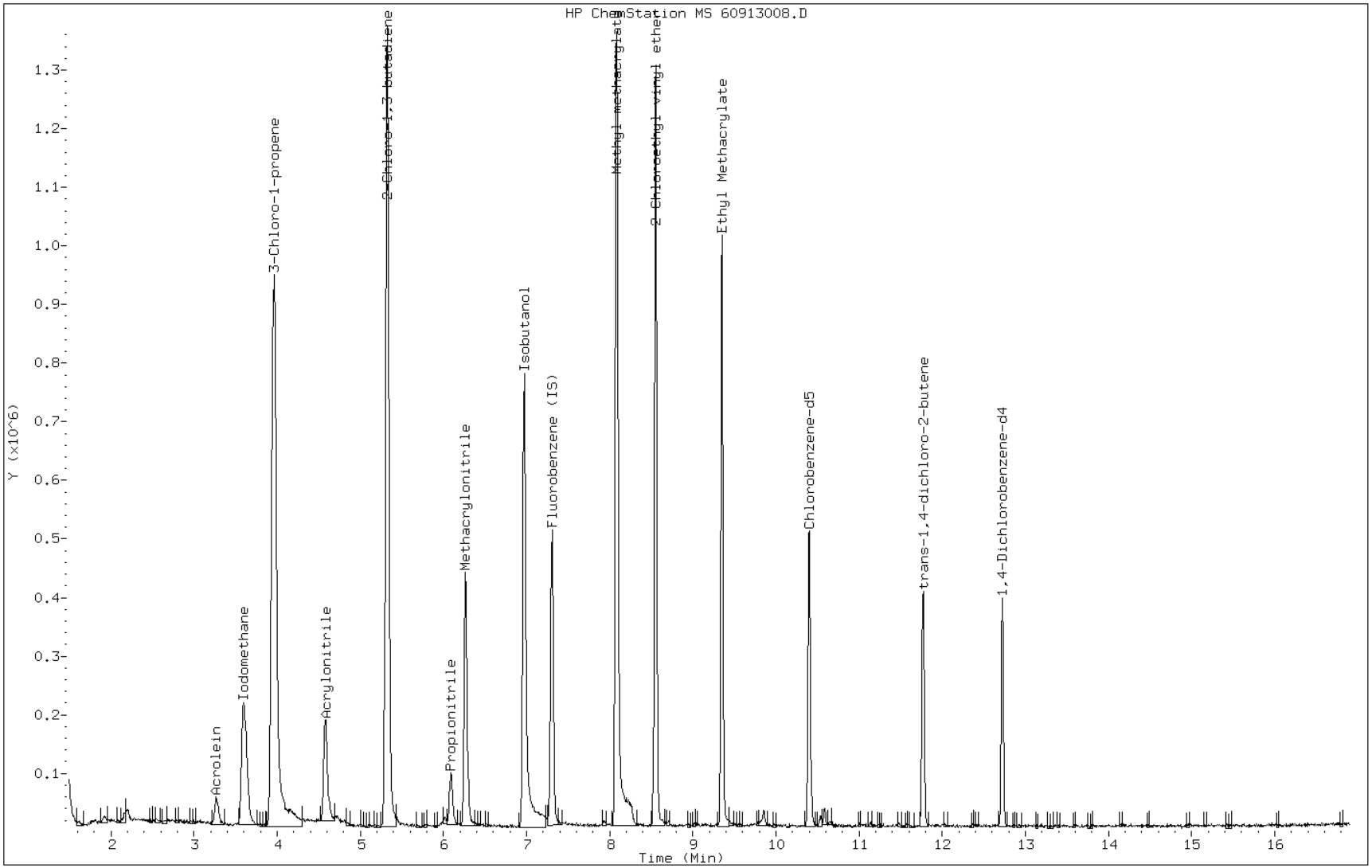
Q - Qualifier signal failed the ratio test.

Data File: 60913008.D

Date: 13-SEP-2012 11:20

Client ID: IC APPIX 35 Instrument: hp6.i

Sample Info: IC, Appix 35 Operator: 001562



TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6091312d8.b\60913009.D
Lab Smp Id: IC Client Smp ID: IC Appix 40
Inj Date : 13-SEP-2012 11:45
Operator : 001562 Inst ID: hp6.i
Smp Info : IC, Appix 40
Misc Info : T6091312d8.b,T8260bllw.m,1-appix.sub
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6091312d8.b\T8260bllw.m
Meth Date : 13-Sep-2012 17:55 hp6.i Quant Type: ISTD
Cal Date : 13-SEP-2012 11:20 Cal File: 60913008.D
Als bottle: 59 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-appix.sub
Target Version: 4.14
Processing Host: PITPC-530

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 46 Fluorobenzene (IS)	96	7.304	7.304	(1.000)	549594	50.0000	
* 69 Chlorobenzene-d5	119	10.400	10.400	(1.000)	106155	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.724	12.724	(1.000)	131891	50.0000	
11 Acrolein	56	3.270	3.270	(0.448)	57655	250.000	197.8
14 Iodomethane	142	3.593	3.593	(0.492)	682912	200.000	185.8
22 Acrylonitrile	53	4.578	4.578	(0.627)	275851	250.000	226.6
16 3-Chloro-1-propene	76	3.964	3.964	(0.543)	308674	200.000	197.3(Q)
26 2-Chloro-1,3-butadiene	53	5.320	5.320	(0.728)	1021417	200.000	189.9
32 Vinyl Acetate	43	5.320	5.320	(0.728)	1027780	200.000	198.1
34 Propionitrile	54	6.087	6.087	(0.833)	157862	400.000	381.7
36 Methacrylonitrile	41	6.263	6.263	(0.858)	339598	200.000	193.3
44 Isobutanol	41	6.969	6.969	(0.954)	601296	8000.00	7914
51 Methyl methacrylate	41	8.082	8.082	(1.107)	393338	200.000	173.9
52 1,4-Dioxane	88	8.088	8.088	(1.107)	894807	40000.0	35660
56 2-Chloroethyl vinyl ether	63	8.551	8.551	(1.171)	641944	400.000	387.6
179 Ethyl methacrylate	69	9.348	9.348	(0.899)	496556	200.000	169.4
159 trans-1,4-Dichloro-2-butene	53	11.769	11.769	(0.925)	138148	200.000	203.9

QC Flag Legend

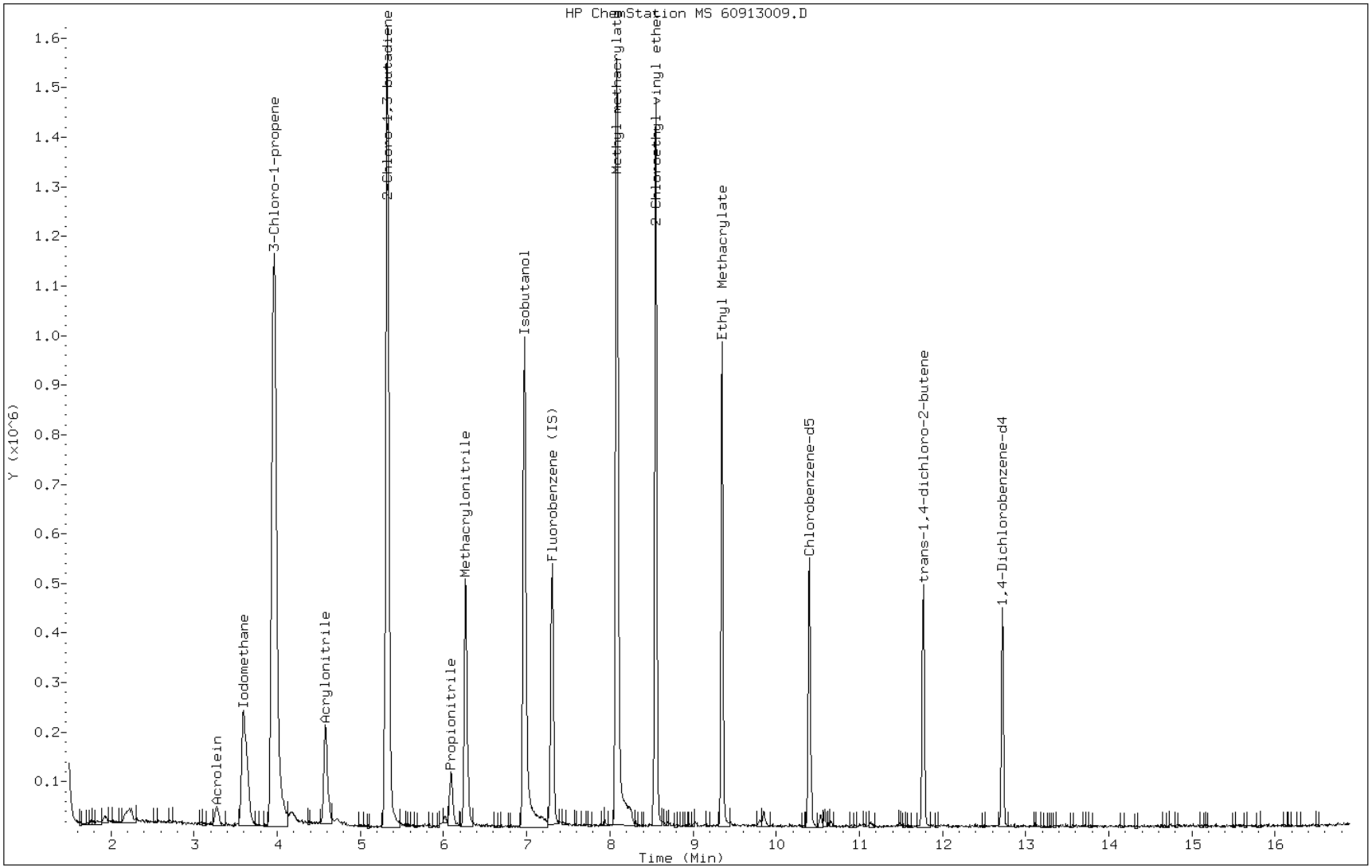
Q - Qualifier signal failed the ratio test.

Data File: 60913009.D

Date: 13-SEP-2012 11:45

Client ID: IC Appix 40 Instrument: hp6.i

Sample Info: IC, Appix 40 Operator: 001562



TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6091312d8.b\60913012.D
Lab Smp Id: IC Client Smp ID: IC Appix 1
Inj Date : 13-SEP-2012 12:57
Operator : 001562 Inst ID: hp6.i
Smp Info : IC, Appix 1
Misc Info : T6091312d8.b,T8260bllw.m,1-appix.sub
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6091312d8.b\T8260bllw.m
Meth Date : 13-Sep-2012 17:55 hp6.i Quant Type: ISTD
Cal Date : 13-SEP-2012 11:45 Cal File: 60913009.D
Als bottle: 62 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-appix.sub
Target Version: 4.14
Processing Host: PITPC-530

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 46 Fluorobenzene (IS)	96	7.306	7.306	(1.000)	525496	50.0000	
* 69 Chlorobenzene-d5	119	10.402	10.402	(1.000)	104476	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.726	12.726	(1.000)	126705	50.0000	
11 Acrolein	56	3.272	3.272	(0.448)	25237	100.000	93.82
14 Iodomethane	142	3.607	3.607	(0.494)	16399	5.00000	4.723
22 Acrylonitrile	53	4.586	4.586	(0.628)	108762	100.000	94.92
16 3-Chloro-1-propene	76	3.966	3.966	(0.543)	6003	5.00000	4.022(Q)
26 2-Chloro-1,3-butadiene	53	5.323	5.323	(0.729)	21805	5.00000	4.276
32 Vinyl Acetate	43	5.323	5.323	(0.729)	20137	5.00000	4.066
34 Propionitrile	54	6.095	6.095	(0.834)	4509	10.0000	11.49(M)
36 Methacrylonitrile	41	6.272	6.272	(0.858)	9067	5.00000	5.428
44 Isobutanol	41	6.965	6.965	(0.953)	13532	200.000	186.6(QM)
51 Methyl methacrylate	41	8.084	8.084	(1.107)	10256	5.00000	4.848
52 1,4-Dioxane	88	8.097	8.097	(1.108)	28686	1000.00	1218(M)
56 2-Chloroethyl vinyl ether	63	8.559	8.559	(1.172)	13563	10.0000	8.610
179 Ethyl methacrylate	69	9.350	9.350	(0.899)	12433	5.00000	4.421
159 trans-1,4-Dichloro-2-butene	53	11.771	11.771	(0.925)	3171	5.00000	4.872

QC Flag Legend

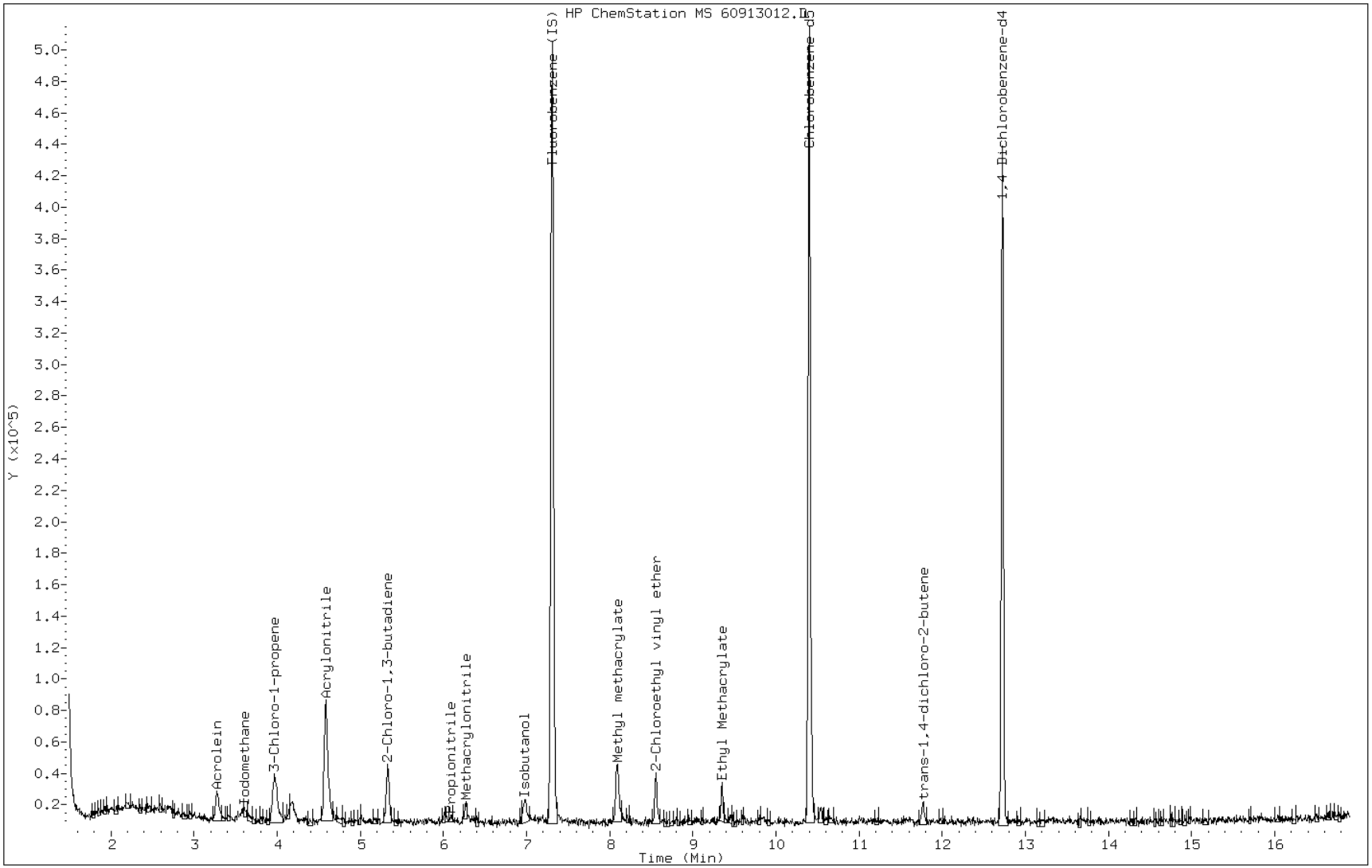
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: 60913012.D

Date: 13-SEP-2012 12:57

Client ID: IC Appix 1 Instrument: hp6.i

Sample Info: IC, Appix 1 Operator: 001562



Manual Integration Report

Data File: 60913012.D
Inj. Date and Time: 13-SEP-2012 12:57
Instrument ID: hp6.i
Client ID: IC Appix 1
Compound: 34 Propionitrile
CAS #: 107-12-0
Report Date: 09/13/2012

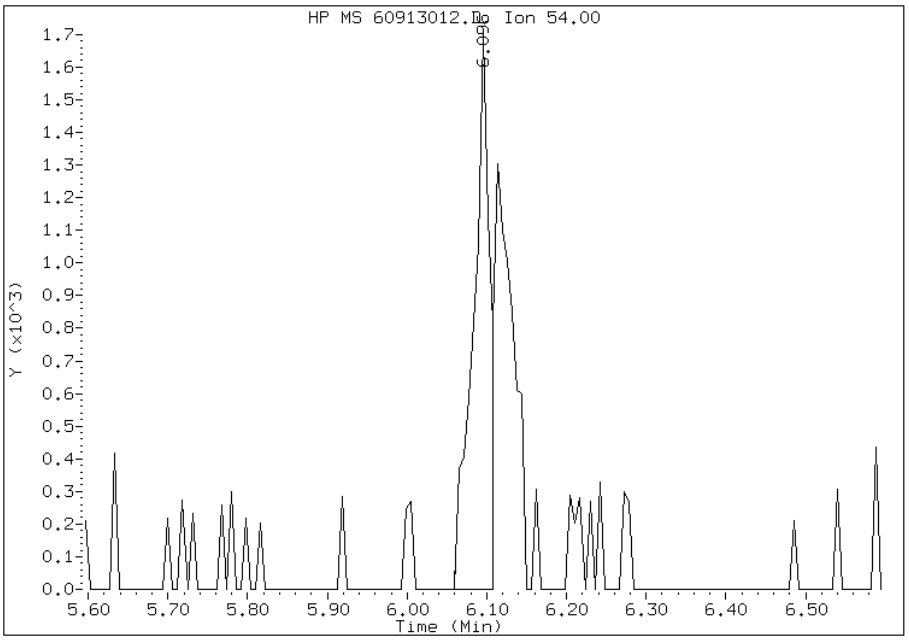
Processing Integration Results

RT: 6.10

Response: 2515

Amount: 7

Conc: 7



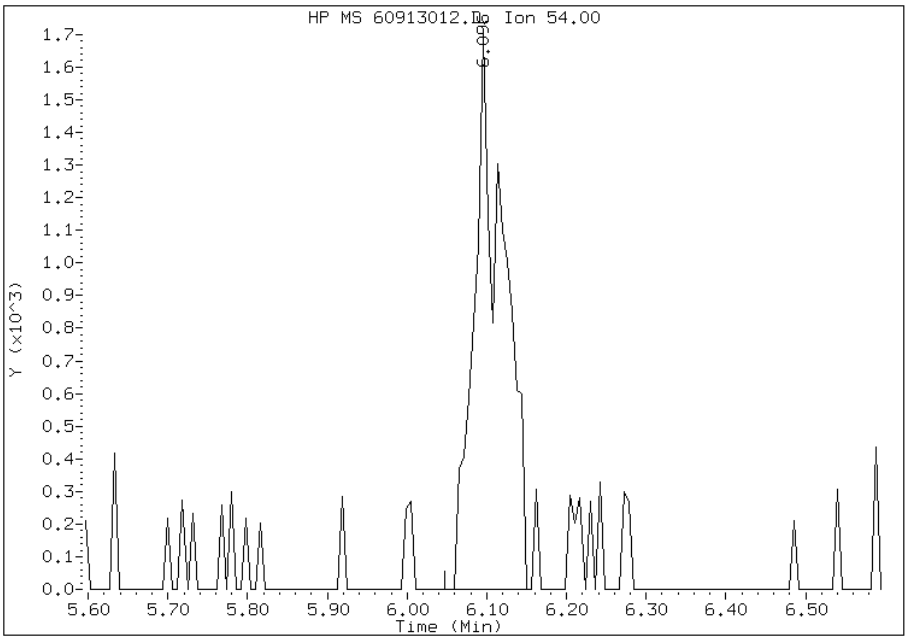
Manual Integration Results

RT: 6.10

Response: 4509

Amount: 11

Conc: 11



Manually Integrated By: fergusond
Modification Date: 13-Sep-2012 13:17
Manual Integration Reason:

Manual Integration Report

Data File: 60913012.D
Inj. Date and Time: 13-SEP-2012 12:57
Instrument ID: hp6.i
Client ID: IC Appix 1
Compound: 44 Isobutanol
CAS #: 78-83-1
Report Date: 09/13/2012

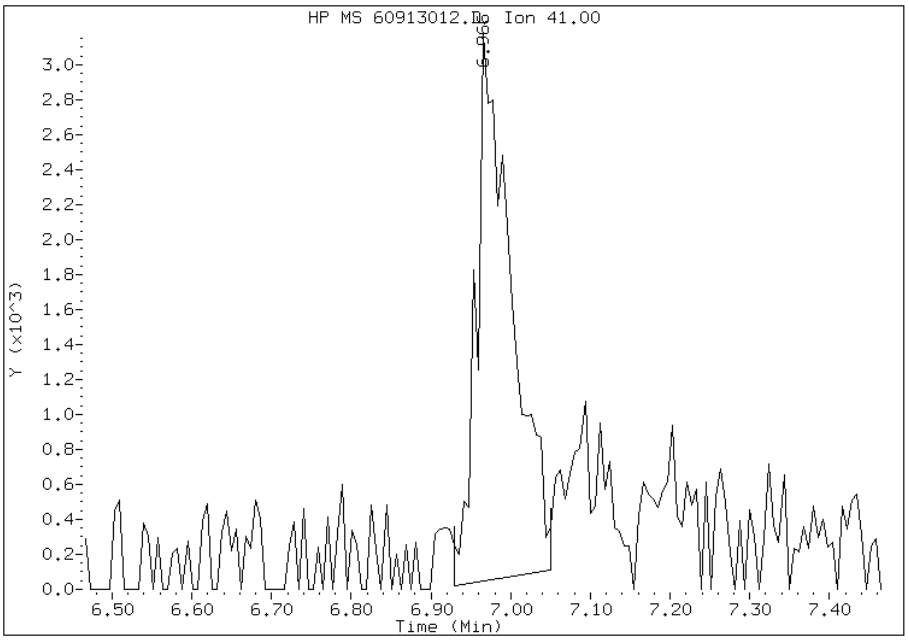
Processing Integration Results

RT: 6.97

Response: 9851

Amount: 133

Conc: 133



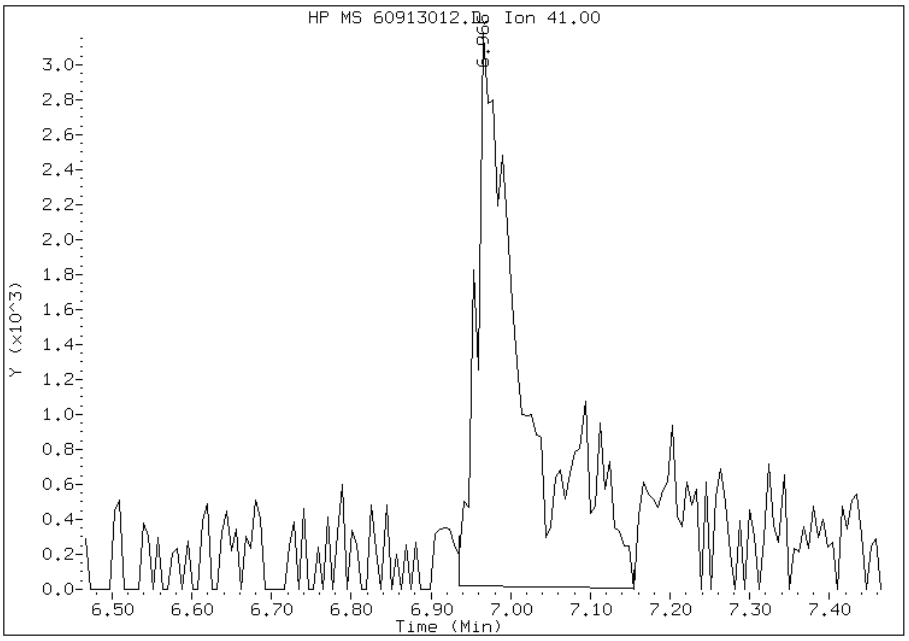
Manual Integration Results

RT: 6.97

Response: 13532

Amount: 187

Conc: 187



Manually Integrated By: fergusond
Modification Date: 13-Sep-2012 13:17
Manual Integration Reason:

Manual Integration Report

Data File: 60913012.D
Inj. Date and Time: 13-SEP-2012 12:57
Instrument ID: hp6.i
Client ID: IC Appix 1
Compound: 52 1,4-Dioxane
CAS #: 123-91-1
Report Date: 09/13/2012

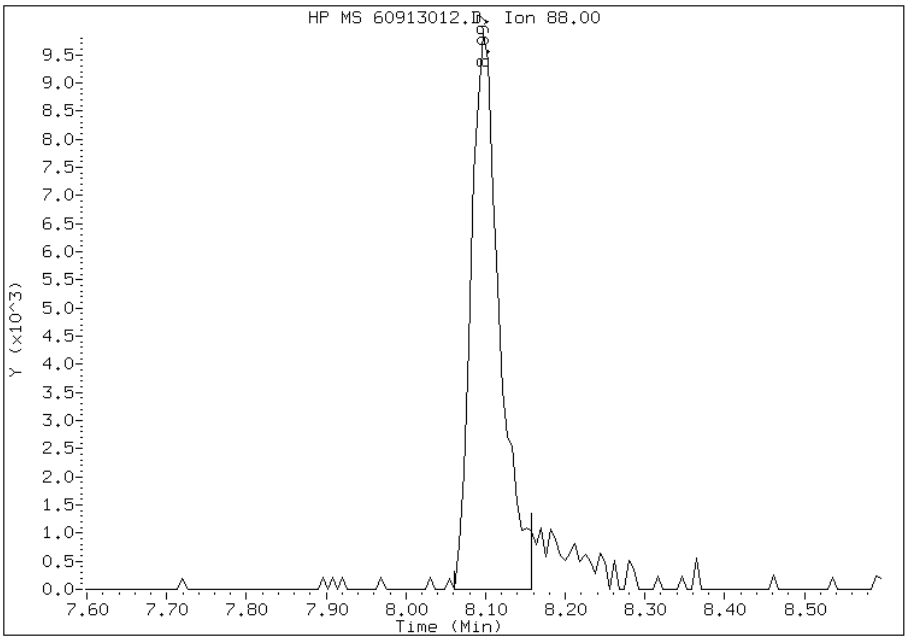
Processing Integration Results

RT: 8.10

Response: 25018

Amount: 1004

Conc: 1004



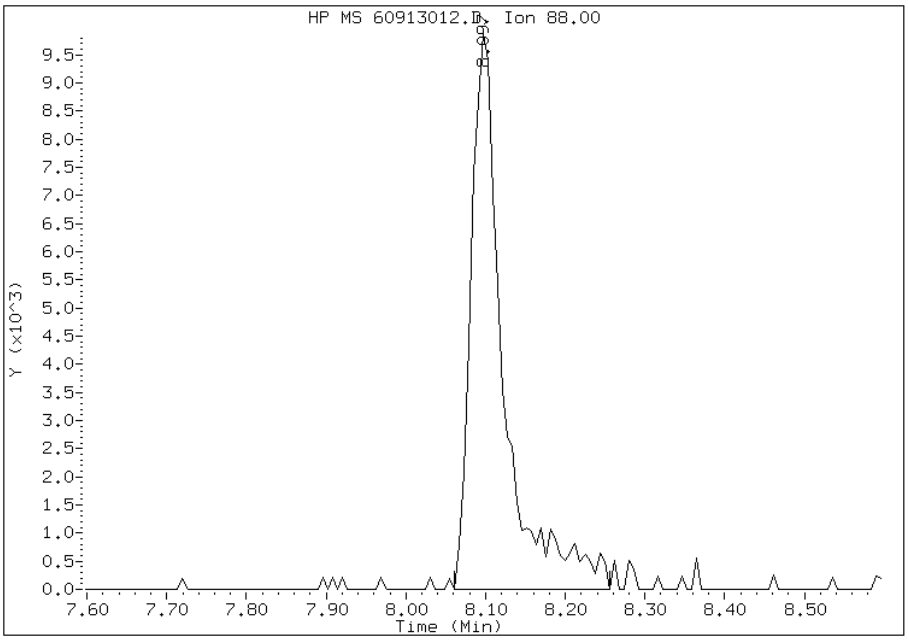
Manual Integration Results

RT: 8.10

Response: 28686

Amount: 1218

Conc: 1218



Manually Integrated By: fergusond
Modification Date: 13-Sep-2012 13:17
Manual Integration Reason:

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 48940

SDG No.:

Instrument ID: HP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2012 08:39 Calibration End Date: 09/19/2012 11:03 Calibration ID: 6698

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-48940/2	60919004.D
Level 2	IC 180-48940/3	60919005.D
Level 3	ICIS 180-48940/4	60919006.D
Level 4	IC 180-48940/5	60919007.D
Level 5	IC 180-48940/6	60919008.D
Level 6	IC 180-48940/7	60919009.D
Level 7	IC 180-48940/8	60919010.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Ethyl ether	0.2169 0.2164	0.2267 0.2254	0.2151	0.2229	0.2232	Ave		0.2210				2.1		15.0			
tert-Butyl alcohol	0.0165 0.0153	0.0151 0.0159	0.0140	0.0148	0.0157	Ave		0.0153				5.2		15.0			
Hexane	0.4107 0.4141	0.3913 0.4071	0.4245	0.4321	0.4177	Ave		0.4139				3.2		15.0			
Tetrahydrofuran	0.0901 0.0722	0.0713 0.0760	0.0669	0.0686	0.0747	Ave		0.0743				10.3		15.0			
n-Heptane	0.2100 0.1945	0.1966 0.1961	0.1868	0.1839	0.1883	Ave		0.1937				4.5					
n-Butanol	0.0025 0.0036	0.0033 0.0041	0.0033	0.0034	0.0038	Ave		0.0034				15.1	*	15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 48940

SDG No.:

Instrument ID: HP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2012 08:39 Calibration End Date: 09/19/2012 11:03 Calibration ID: 6698

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-48940/2	60919004.D
Level 2	IC 180-48940/3	60919005.D
Level 3	ICIS 180-48940/4	60919006.D
Level 4	IC 180-48940/5	60919007.D
Level 5	IC 180-48940/6	60919008.D
Level 6	IC 180-48940/7	60919009.D
Level 7	IC 180-48940/8	60919010.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Ethyl ether	FB	Ave	9630 364495	49746 430958	102047	160868	210840	5.00 175	25.0 200	50.0	75.0	100
tert-Butyl alcohol	FB	Ave	29372 1031822	132429 1212257	266551	428293	592296	200 7000	1000 8000	2000	3000	4000
Hexane	FB	Ave	18233 697615	85864 778412	201371	311789	394521	5.00 175	25.0 200	50.0	75.0	100
Tetrahydrofuran	FB	Ave	4000 121671	15641 145328	31746	49514	70573	5.00 175	25.0 200	50.0	75.0	100
n-Heptane	FB	Ave	9323 327621	43148 374841	88637	132699	177882	5.00 175	25.0 200	50.0	75.0	100
n-Butanol	FB	Ave	4376 244312	29344 315267	62367	96974	142638	200 7000	1000 8000	2000	3000	4000

Curve Type Legend:
Ave = Average ISTD

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6091912d.b\60919004.D
Lab Smp Id: IC Client Smp ID: IC 1 Indi
Inj Date : 19-SEP-2012 08:39
Operator : 001562 Inst ID: hp6.i
Smp Info : IC, Indi 1
Misc Info : T6091912d.b,T8260bllw.m,1-indi.sub
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6091912d.b\T8260bllw.m
Meth Date : 19-Sep-2012 11:27 fergusond Quant Type: ISTD
Cal Date : 13-SEP-2012 12:57 Cal File: 60913012.D
Als bottle: 53 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-indi.sub
Target Version: 4.14

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 46 Fluorobenzene (IS)	96	7.306	7.306	(1.000)	443958	50.0000	
* 69 Chlorobenzene-d5	119	10.402	10.402	(1.000)	86045	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.726	12.726	(1.000)	108119	50.0000	
8 Ethyl Ether	59	3.108	3.108	(0.425)	9630	5.00000	4.908
21 tert-Butyl Alcohol	59	4.477	4.477	(0.613)	29372	200.000	215.7(M)
23 Hexane	57	5.012	5.012	(0.686)	18233	5.00000	4.961
35 Tetrahydrofuran	42	6.326	6.326	(0.866)	4000	5.00000	6.066(M)
48 n-Butanol	56	7.701	7.701	(1.054)	4376	200.000	143.9(M)
155 N-Heptane	41	7.312	7.312	(1.001)	9323	5.00000	5.419

QC Flag Legend

M - Compound response manually integrated.

Data File: 60919004.D

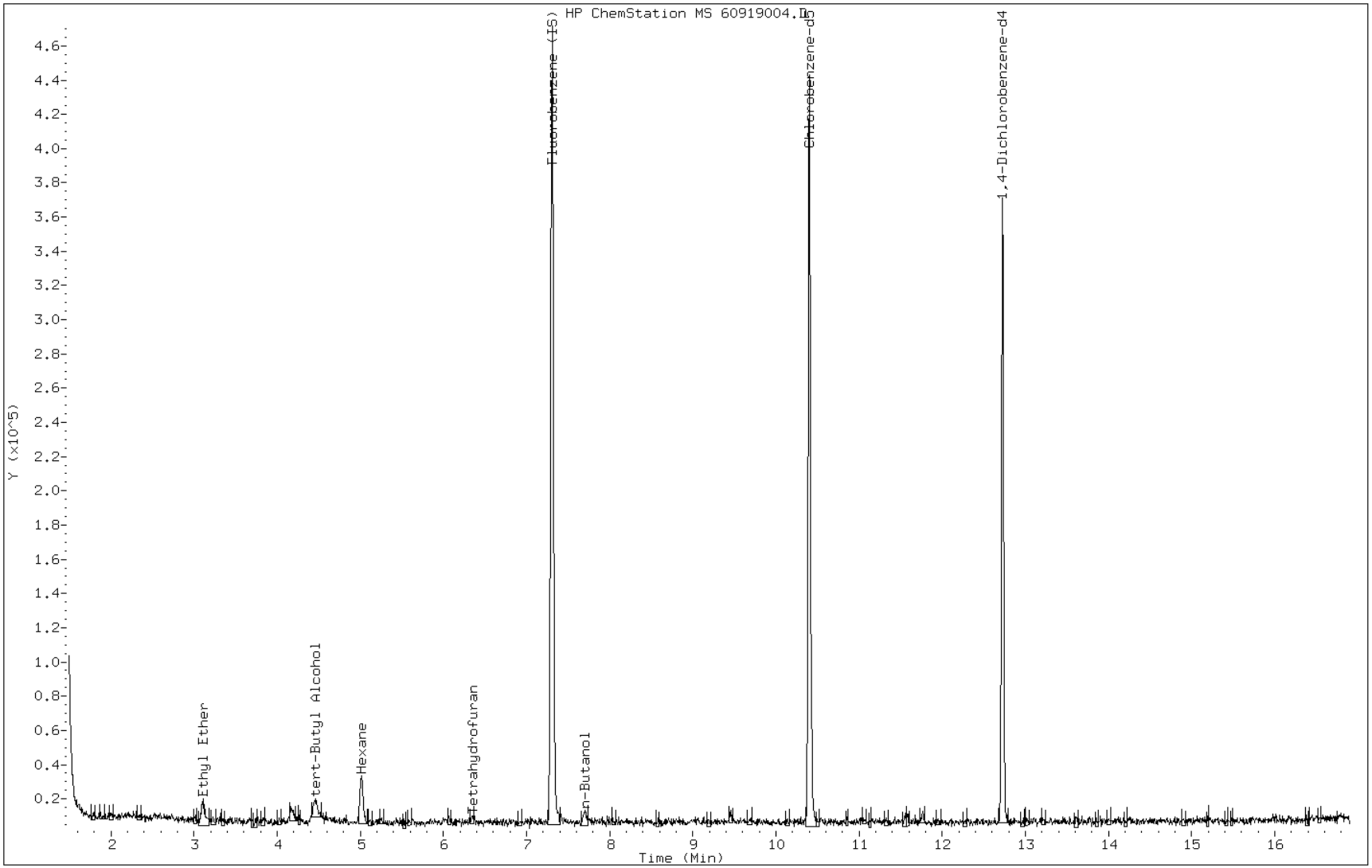
Date: 19-SEP-2012 08:39

Client ID: IC 1 Indi

Instrument: hp6.i

Sample Info: IC, Indi 1

Operator: 001562



Manual Integration Report

Data File: 60919004.D
Inj. Date and Time: 19-SEP-2012 08:39
Instrument ID: hp6.i
Client ID: IC 1 Indi
Compound: 21 tert-Butyl Alcohol
CAS #: 75-65-0
Report Date: 09/19/2012

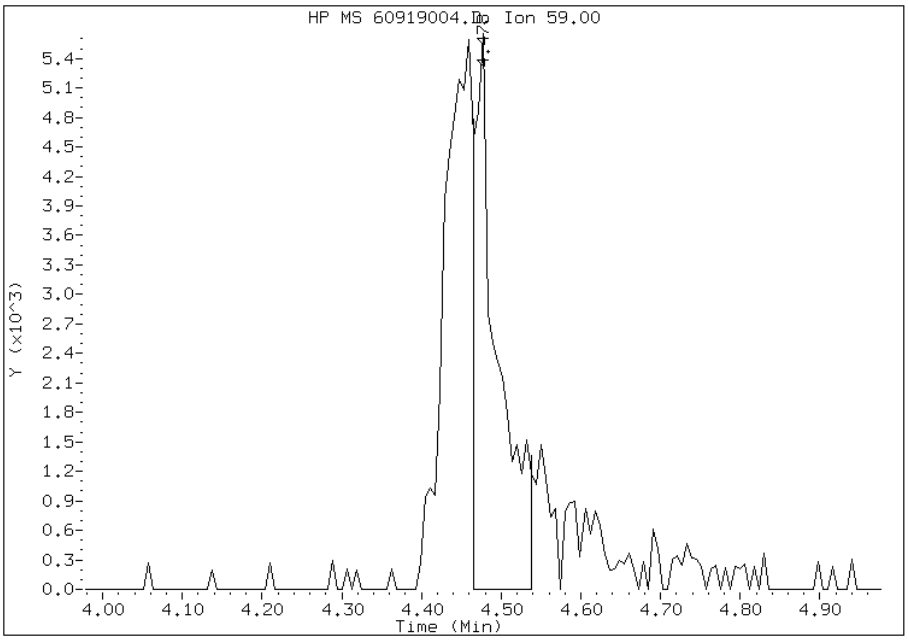
Processing Integration Results

RT: 4.48

Response: 12167

Amount: 0

Conc: 0



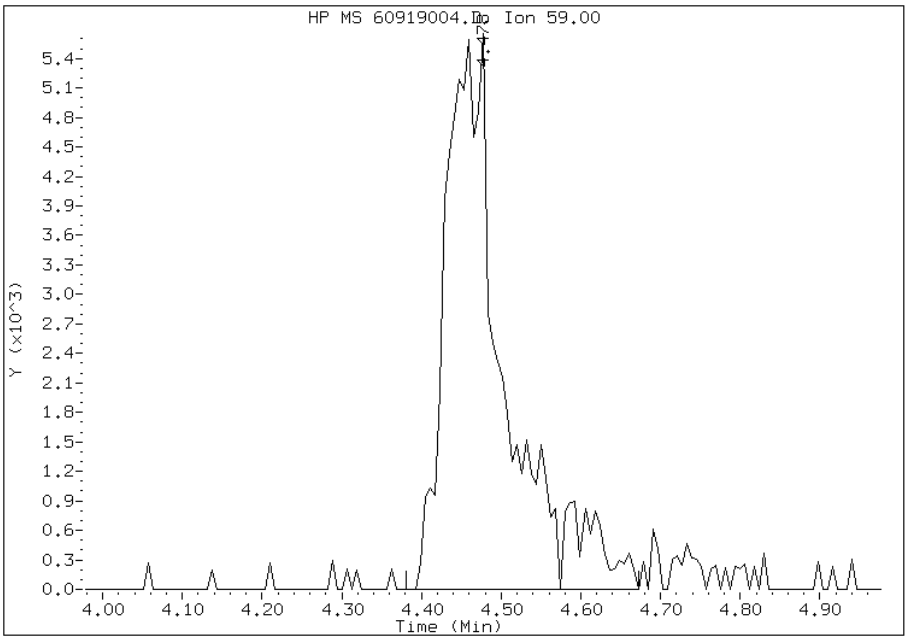
Manual Integration Results

RT: 4.48

Response: 29372

Amount: 216

Conc: 216



Manually Integrated By: fergusond
Modification Date: 19-Sep-2012 10:08
Manual Integration Reason: Peak Split

Manual Integration Report

Data File: 60919004.D
Inj. Date and Time: 19-SEP-2012 08:39
Instrument ID: hp6.i
Client ID: IC 1 Indi
Compound: 35 Tetrahydrofuran
CAS #: 109-99-9
Report Date: 09/19/2012

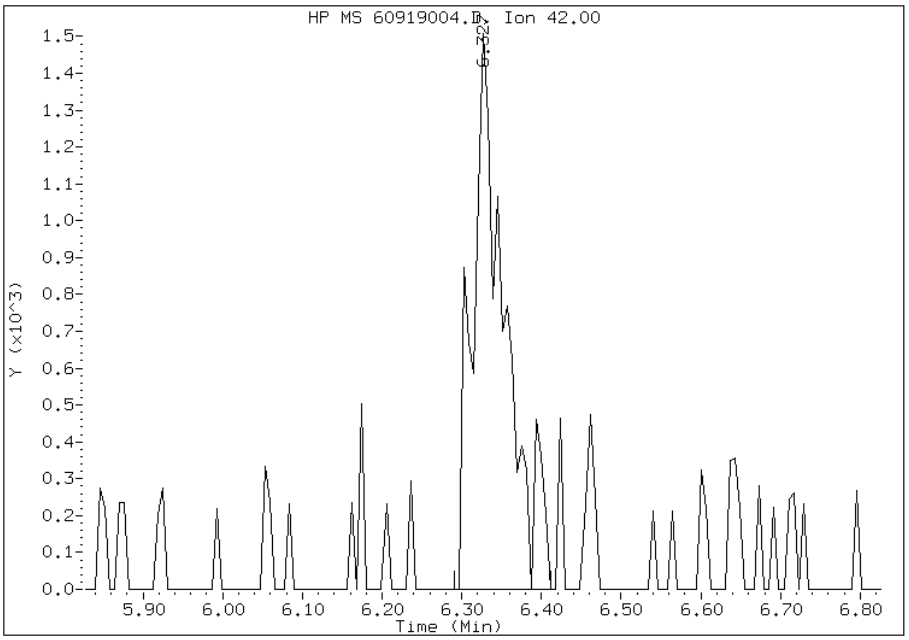
Processing Integration Results

RT: 6.33

Response: 4375

Amount: 0

Conc: 0



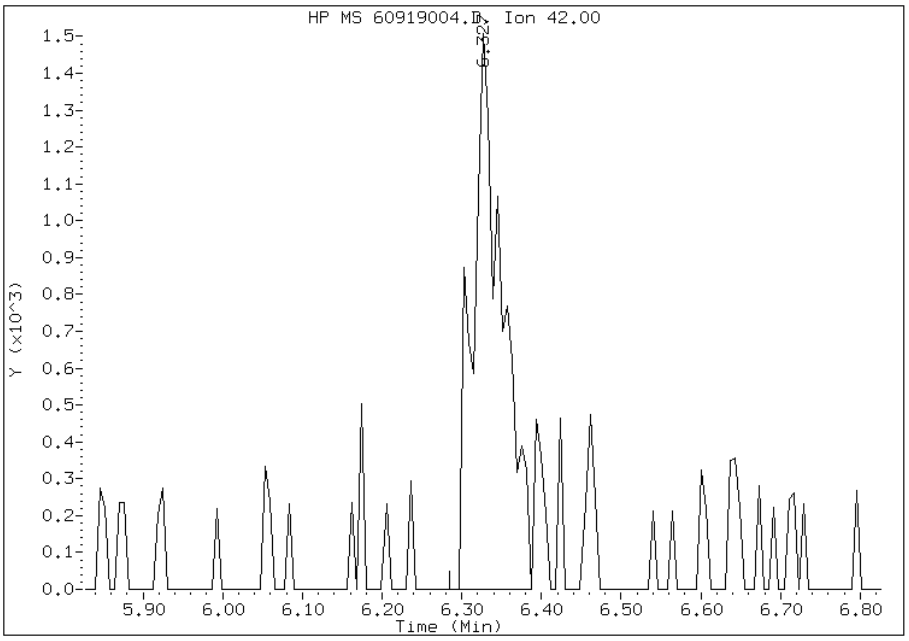
Manual Integration Results

RT: 6.33

Response: 4000

Amount: 6

Conc: 6



Manually Integrated By: fergusond
Modification Date: 19-Sep-2012 10:18
Manual Integration Reason: Peak Integrated Incorrectly

Manual Integration Report

Data File: 60919004.D
Inj. Date and Time: 19-SEP-2012 08:39
Instrument ID: hp6.i
Client ID: IC 1 Indi
Compound: 48 n-Butanol
CAS #: 71-36-3
Report Date: 09/19/2012

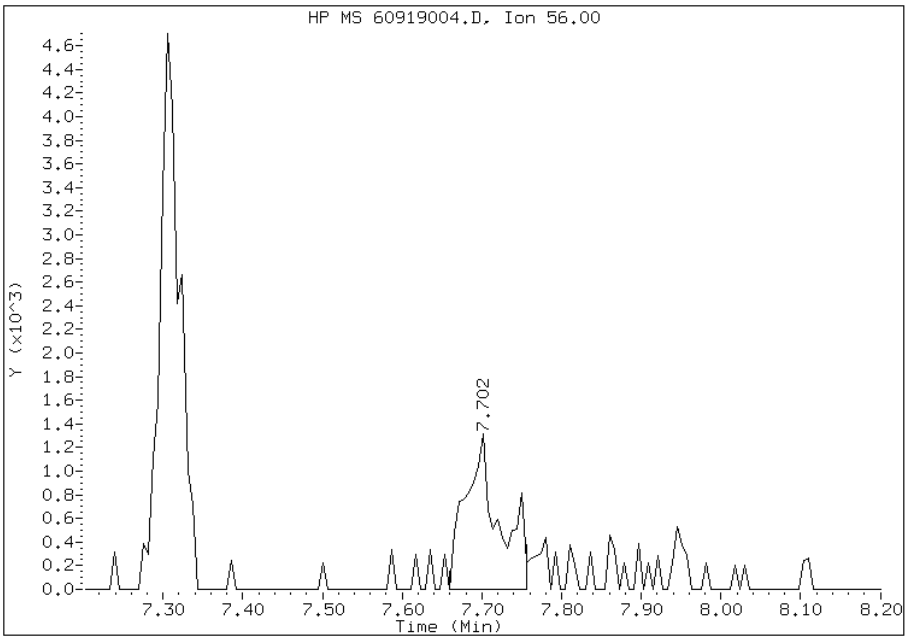
Processing Integration Results

RT: 7.70

Response: 3902

Amount: 0

Conc: 0



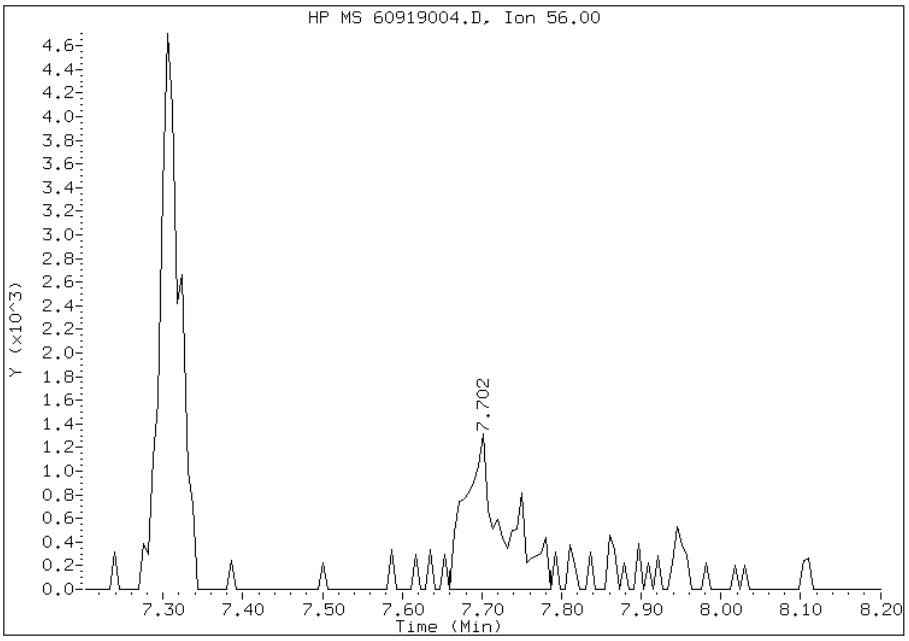
Manual Integration Results

RT: 7.70

Response: 4376

Amount: 144

Conc: 144



Manually Integrated By: fergusond
Modification Date: 19-Sep-2012 10:09
Manual Integration Reason: Peak Integrated Incorrectly

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6091912d.b\60919005.D
Lab Smp Id: IC Client Smp ID: IC 5 Indi
Inj Date : 19-SEP-2012 09:03
Operator : 001562 Inst ID: hp6.i
Smp Info : IC, Indi 5
Misc Info : T6091912d.b,T8260bllw.m,1-indi.sub
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6091912d.b\T8260bllw.m
Meth Date : 19-Sep-2012 11:27 fergusond Quant Type: ISTD
Cal Date : 13-SEP-2012 12:57 Cal File: 60913012.D
Als bottle: 54 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-indi.sub
Target Version: 4.14

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 46 Fluorobenzene (IS)	96	7.309	7.309	(1.000)	438841	50.0000	
* 69 Chlorobenzene-d5	119	10.399	10.399	(1.000)	85662	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.729	12.729	(1.000)	105213	50.0000	
8 Ethyl Ether	59	3.105	3.105	(0.425)	49746	25.0000	25.65
21 tert-Butyl Alcohol	59	4.449	4.449	(0.609)	132429	1000.00	983.8
23 Hexane	57	5.015	5.015	(0.686)	85864	25.0000	23.63
35 Tetrahydrofuran	42	6.329	6.329	(0.866)	15641	25.0000	24.00(M)
48 n-Butanol	56	7.692	7.692	(1.052)	29344	1000.00	976.1(M)
155 N-Heptane	41	7.309	7.309	(1.000)	43148	25.0000	25.37

QC Flag Legend

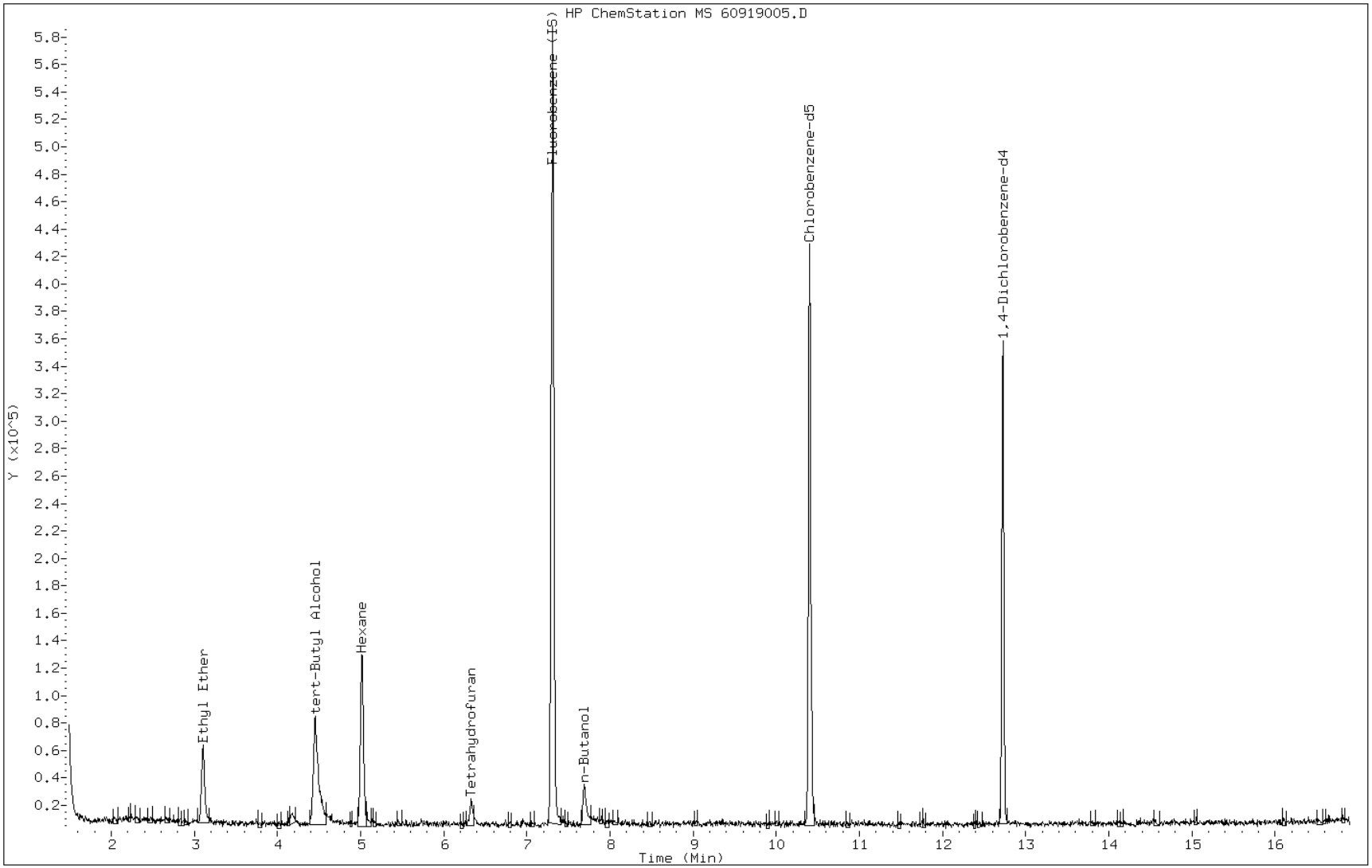
M - Compound response manually integrated.

Data File: 60919005.D

Date: 19-SEP-2012 09:03

Client ID: IC 5 Indi | Instrument: hp6.i

Sample Info: IC, Indi 5 | Operator: 001562



Manual Integration Report

Data File: 60919005.D
Inj. Date and Time: 19-SEP-2012 09:03
Instrument ID: hp6.i
Client ID: IC 5 Indi
Compound: 35 Tetrahydrofuran
CAS #: 109-99-9
Report Date: 09/19/2012

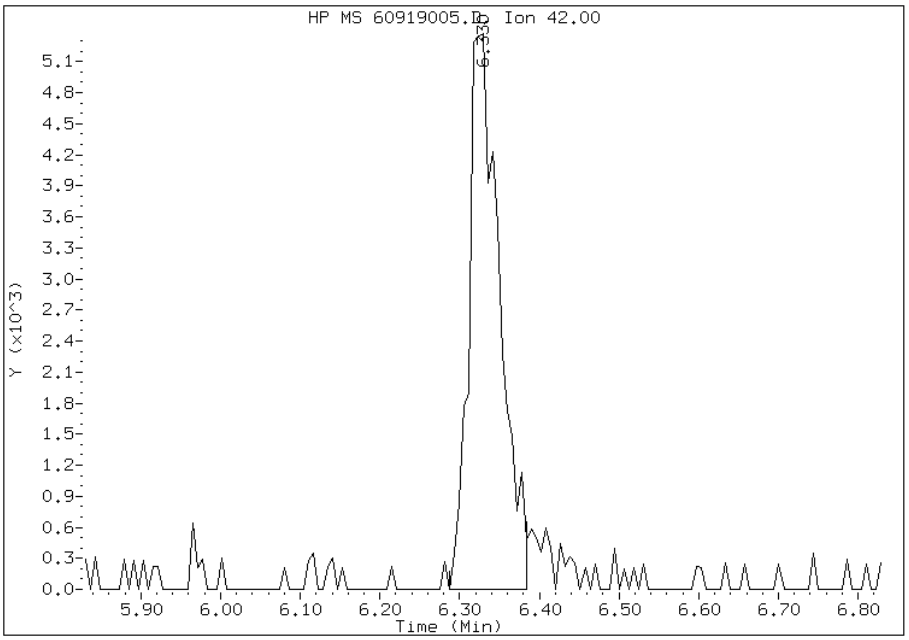
Processing Integration Results

RT: 6.33

Response: 14744

Amount: 0

Conc: 0



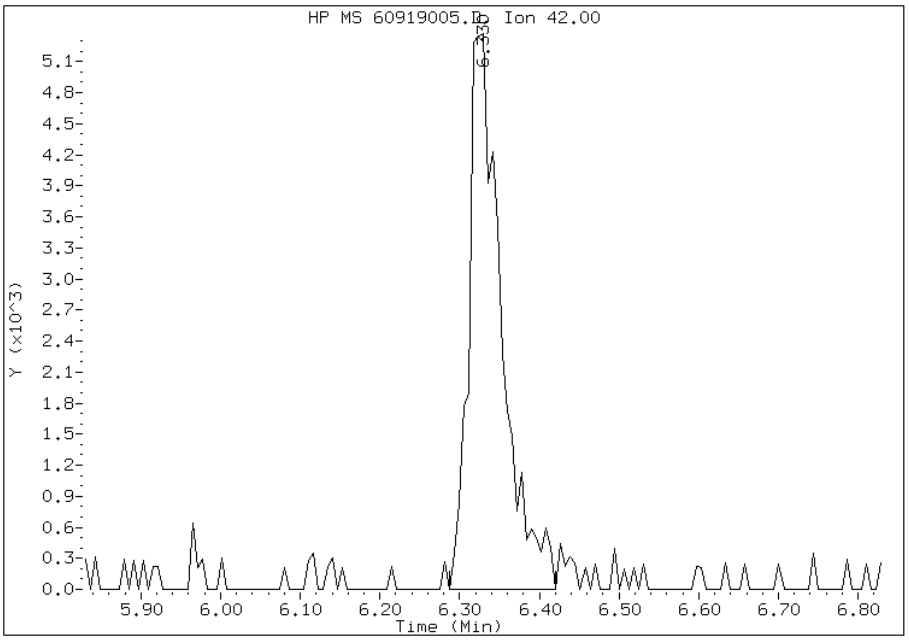
Manual Integration Results

RT: 6.33

Response: 15641

Amount: 24

Conc: 24



Manually Integrated By: fergusond
Modification Date: 19-Sep-2012 10:11
Manual Integration Reason: Peak Integrated Incorrectly

Manual Integration Report

Data File: 60919005.D
Inj. Date and Time: 19-SEP-2012 09:03
Instrument ID: hp6.i
Client ID: IC 5 Indi
Compound: 48 n-Butanol
CAS #: 71-36-3
Report Date: 09/19/2012

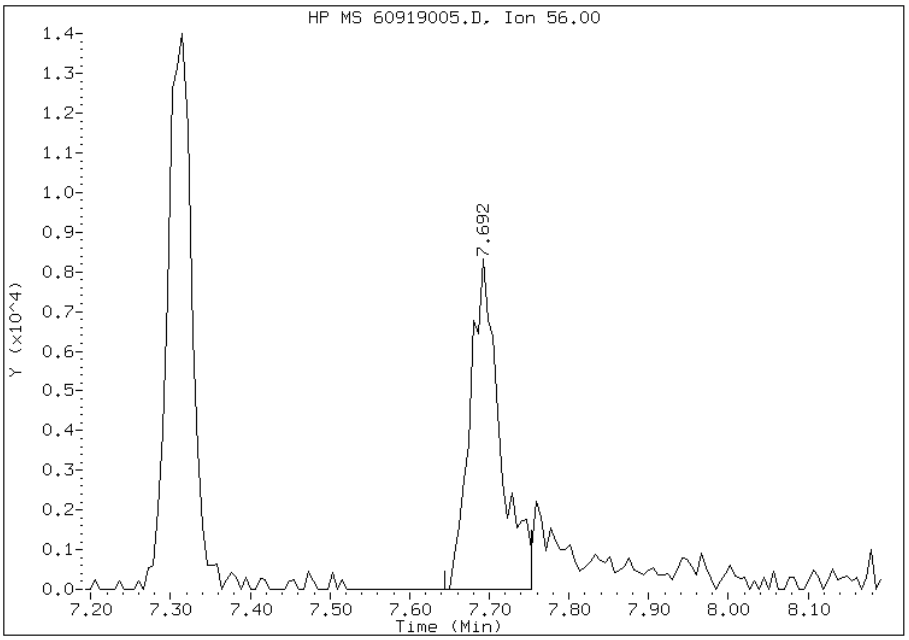
Processing Integration Results

RT: 7.69

Response: 22282

Amount: 0

Conc: 0



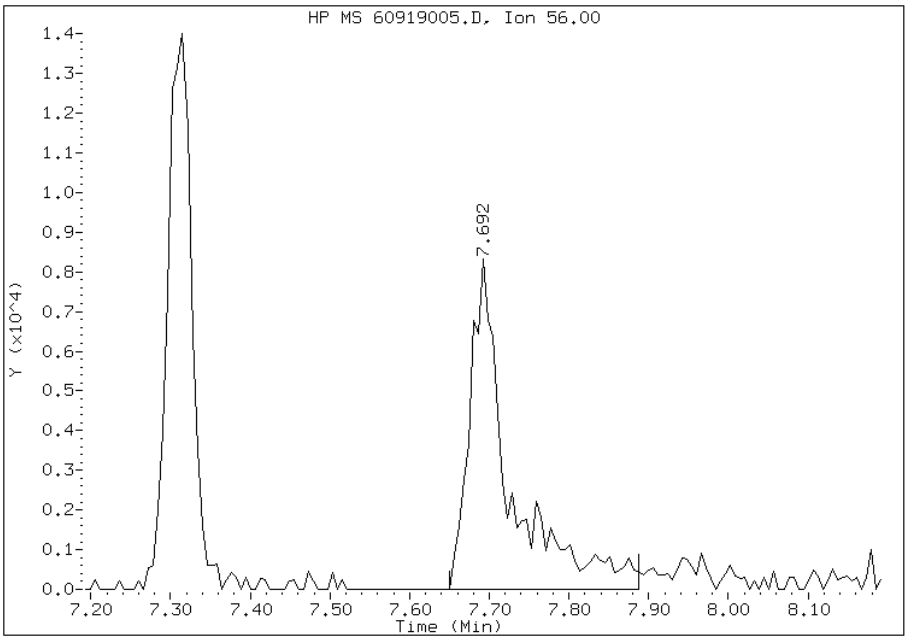
Manual Integration Results

RT: 7.69

Response: 29344

Amount: 976

Conc: 976



Manually Integrated By: fergusond
Modification Date: 19-Sep-2012 10:11
Manual Integration Reason: Peak Integrated Incorrectly

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6091912d.b\60919006.D
Lab Smp Id: ICIS Client Smp ID: ICIS 10 Indi
Inj Date : 19-SEP-2012 09:27
Operator : 001562 Inst ID: hp6.i
Smp Info : ICIS, Indi 10
Misc Info : T6091912d.b,T8260bllw.m,1-indi.sub
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6091912d.b\T8260bllw.m
Meth Date : 19-Sep-2012 11:27 fergusond Quant Type: ISTD
Cal Date : 13-SEP-2012 12:57 Cal File: 60913012.D
Als bottle: 55 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-indi.sub
Target Version: 4.14

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 46 Fluorobenzene (IS)	96	7.308	7.308	(1.000)	474401	50.0000	
* 69 Chlorobenzene-d5	119	10.405	10.405	(1.000)	92563	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.729	12.729	(1.000)	116248	50.0000	
8 Ethyl Ether	59	3.099	3.099	(0.424)	102047	50.0000	48.68
21 tert-Butyl Alcohol	59	4.455	4.455	(0.610)	266551	2000.00	1832
23 Hexane	57	5.015	5.015	(0.686)	201371	50.0000	51.27
35 Tetrahydrofuran	42	6.323	6.323	(0.865)	31746	50.0000	45.05
48 n-Butanol	56	7.692	7.692	(1.052)	62367	2000.00	1919(M)
155 N-Heptane	41	7.308	7.308	(1.000)	88637	50.0000	48.22

QC Flag Legend

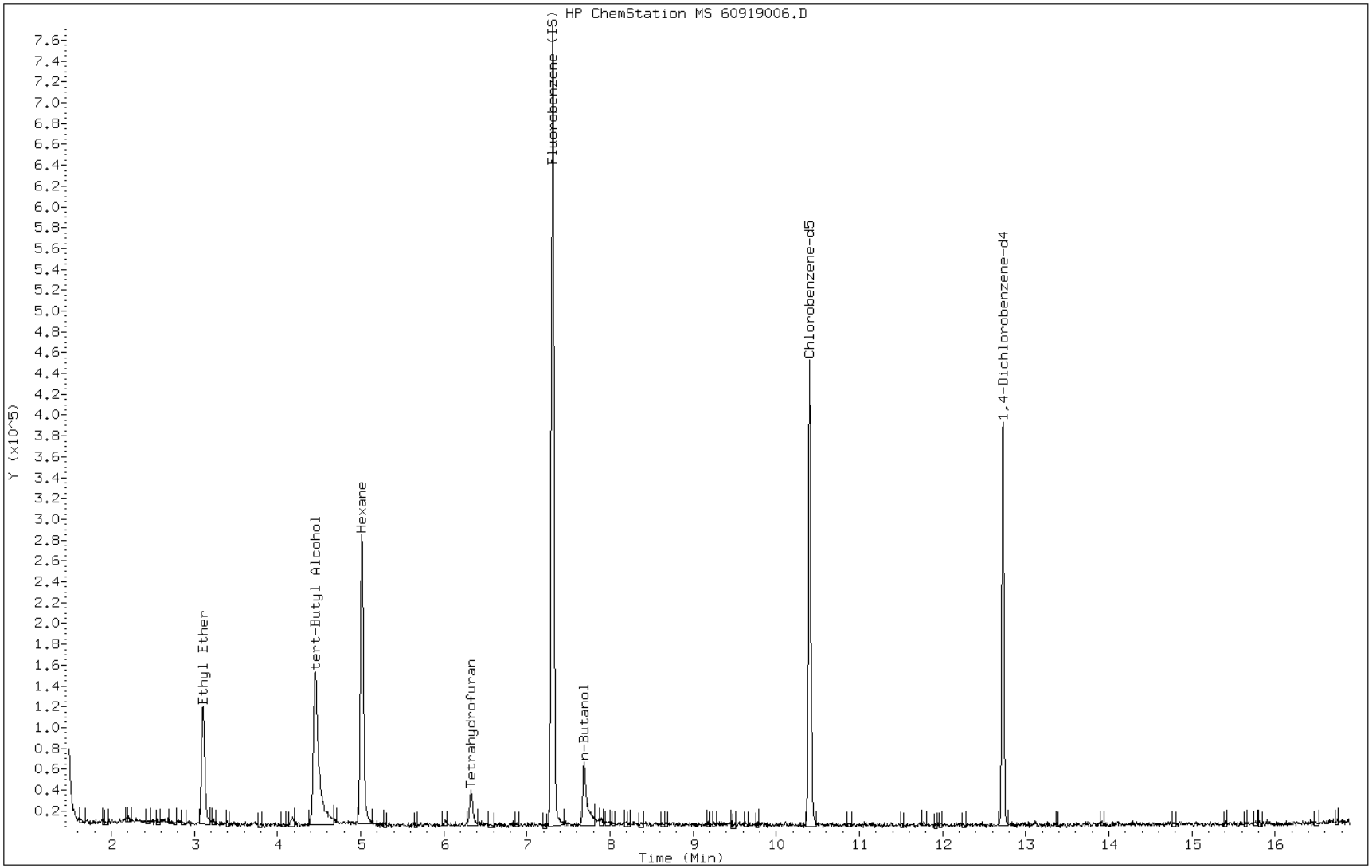
M - Compound response manually integrated.

Data File: 60919006.D

Date: 19-SEP-2012 09:27

Client ID: ICIS 10 Indi | Instrument: hp6.i

Sample Info: ICIS, Indi 10 | Operator: 001562



Manual Integration Report

Data File: 60919006.D
Inj. Date and Time: 19-SEP-2012 09:27
Instrument ID: hp6.i
Client ID: ICIS 10 Indi
Compound: 48 n-Butanol
CAS #: 71-36-3
Report Date: 09/19/2012

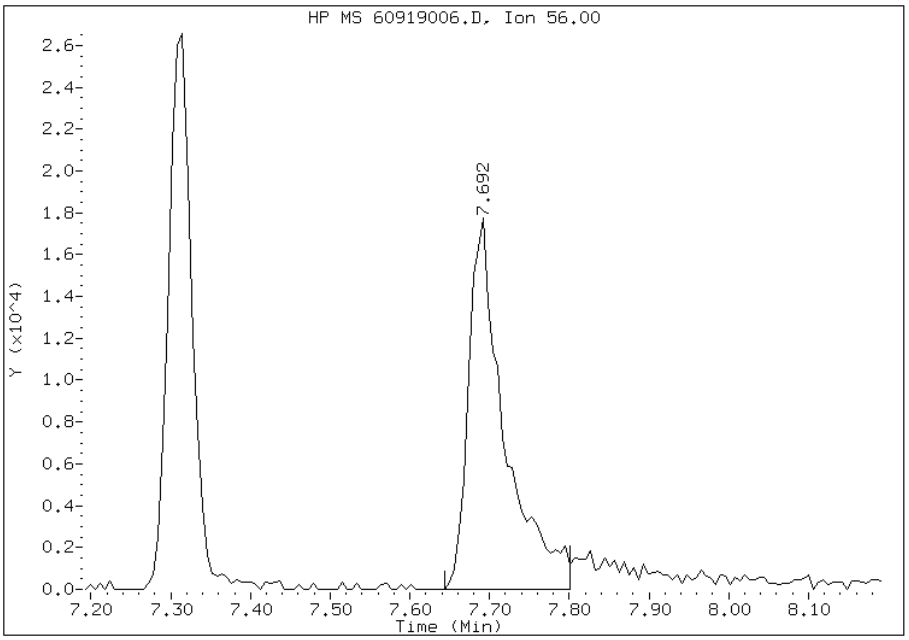
Processing Integration Results

RT: 7.69

Response: 56499

Amount: 0

Conc: 0



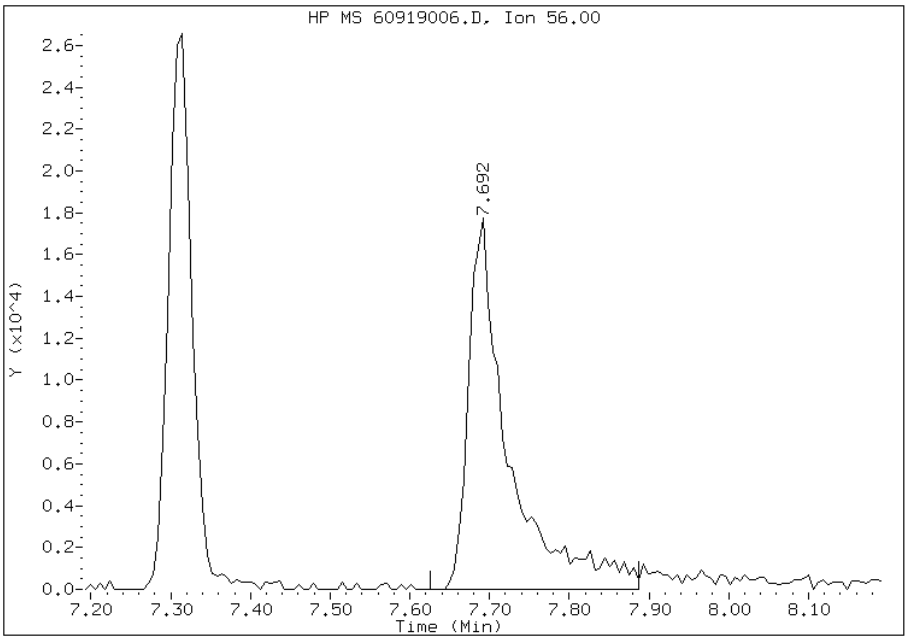
Manual Integration Results

RT: 7.69

Response: 62367

Amount: 1919

Conc: 1919



Manually Integrated By: fergusond
Modification Date: 19-Sep-2012 10:12
Manual Integration Reason:

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6091912d.b\60919007.D
Lab Smp Id: IC Client Smp ID: IC 15 Indi
Inj Date : 19-SEP-2012 09:51
Operator : 001562 Inst ID: hp6.i
Smp Info : IC, Indi 15
Misc Info : T6091912d.b,T8260bllw.m,1-indi.sub
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6091912d.b\T8260bllw.m
Meth Date : 19-Sep-2012 11:27 fergusond Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 56 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-indi.sub
Target Version: 4.14
Processing Host: PITPC-002

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 46 Fluorobenzene (IS)	96	7.308	7.308	(1.000)	481084	50.0000	
* 69 Chlorobenzene-d5	119	10.405	10.405	(1.000)	89614	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.728	12.728	(1.000)	118871	50.0000	
8 Ethyl Ether	59	3.098	3.098	(0.424)	160868	75.0000	75.67
21 tert-Butyl Alcohol	59	4.455	4.455	(0.610)	428293	3000.00	2902
23 Hexane	57	5.021	5.021	(0.687)	311789	75.0000	78.28
35 Tetrahydrofuran	42	6.323	6.323	(0.865)	49514	75.0000	69.29
48 n-Butanol	56	7.685	7.685	(1.052)	96974	3000.00	2942(M)
155 N-Heptane	41	7.314	7.314	(1.001)	132699	75.0000	71.18

QC Flag Legend

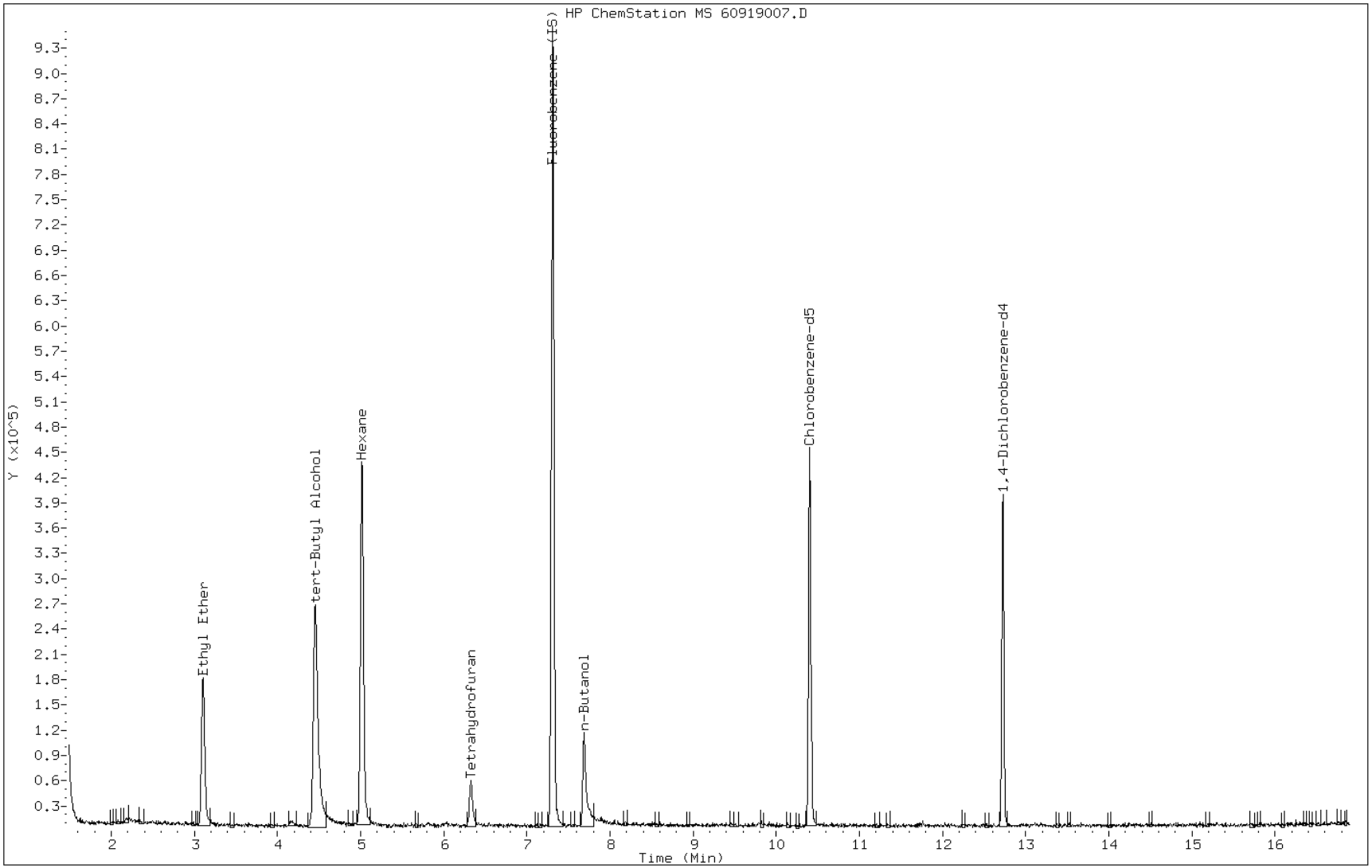
M - Compound response manually integrated.

Data File: 60919007.D

Date: 19-SEP-2012 09:51

Client ID: IC 15 Indi | Instrument: hp6.i

Sample Info: IC, Indi 15 | Operator: 001562



Manual Integration Report

Data File: 60919007.D
Inj. Date and Time: 19-SEP-2012 09:51
Instrument ID: hp6.i
Client ID: IC 15 Indi
Compound: 48 n-Butanol
CAS #: 71-36-3
Report Date: 09/19/2012

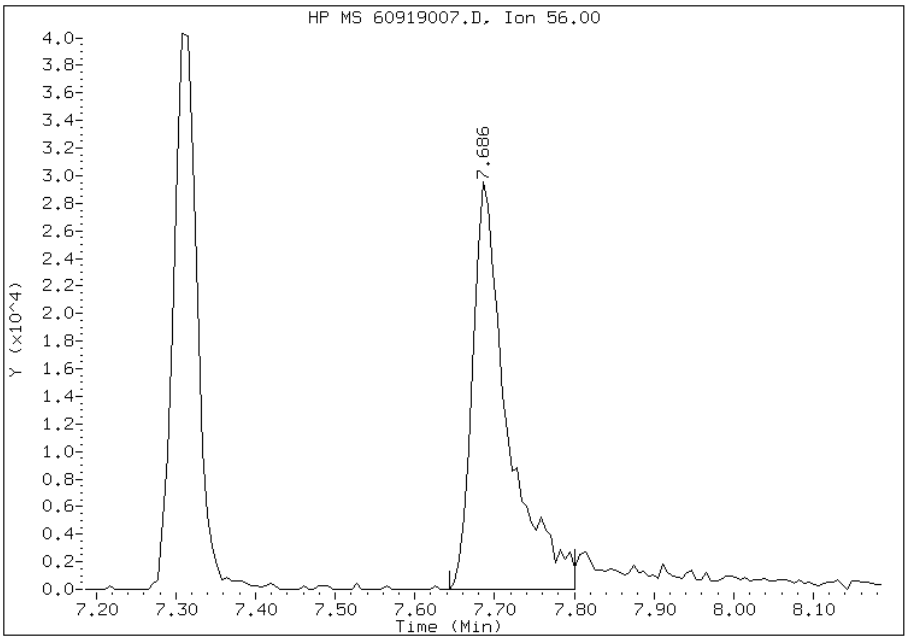
Processing Integration Results

RT: 7.69

Response: 91309

Amount: 3131

Conc: 3131



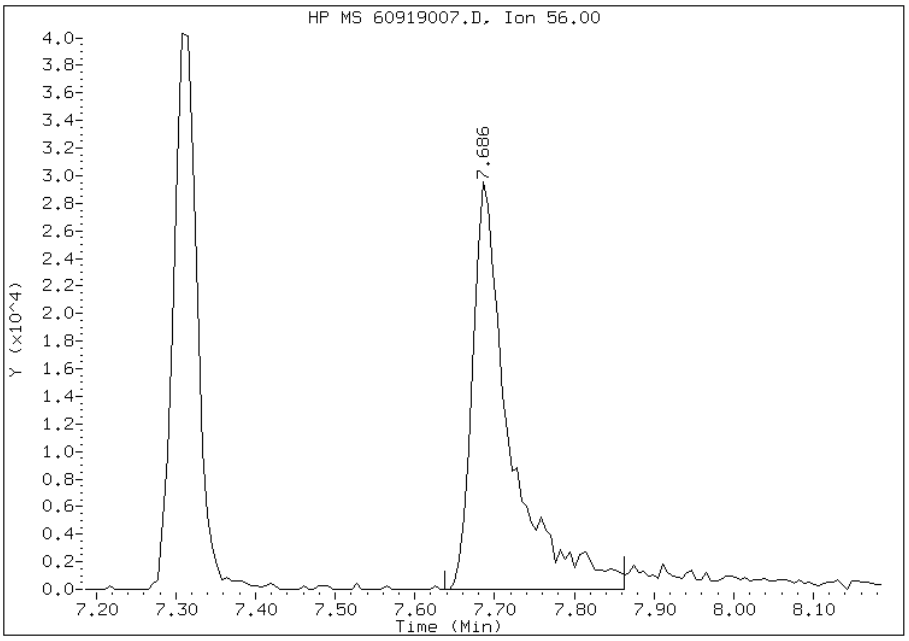
Manual Integration Results

RT: 7.69

Response: 96974

Amount: 2942

Conc: 2942



Manually Integrated By: fergusond
Modification Date: 19-Sep-2012 10:16
Manual Integration Reason: Peak Integrated Incorrectly

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6091912d.b\60919008.D
Lab Smp Id: IC Client Smp ID: IC 20 Indi
Inj Date : 19-SEP-2012 10:15
Operator : 001562 Inst ID: hp6.i
Smp Info : IC, Indi 20
Misc Info : T6091912d.b,T8260bllw.m,1-indi.sub
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6091912d.b\T8260bllw.m
Meth Date : 19-Sep-2012 11:27 fergusond Quant Type: ISTD
Cal Date : 19-SEP-2012 08:39 Cal File: 60919004.D
Als bottle: 57 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-indi.sub
Target Version: 4.14
Processing Host: PITPC-002

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 46 Fluorobenzene (IS)	96	7.308	7.308	(1.000)	472256	50.0000	
* 69 Chlorobenzene-d5	119	10.399	10.399	(1.000)	92020	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.729	12.729	(1.000)	117215	50.0000	
8 Ethyl Ether	59	3.099	3.099	(0.424)	210840	100.000	101.0(M)
21 tert-Butyl Alcohol	59	4.449	4.449	(0.609)	592296	4000.00	4089
23 Hexane	57	5.015	5.015	(0.686)	394521	100.000	100.9
35 Tetrahydrofuran	42	6.323	6.323	(0.865)	70573	100.000	100.6
48 n-Butanol	56	7.686	7.686	(1.052)	142638	4000.00	4409(M)
155 N-Heptane	41	7.308	7.308	(1.000)	177882	100.000	97.20

QC Flag Legend

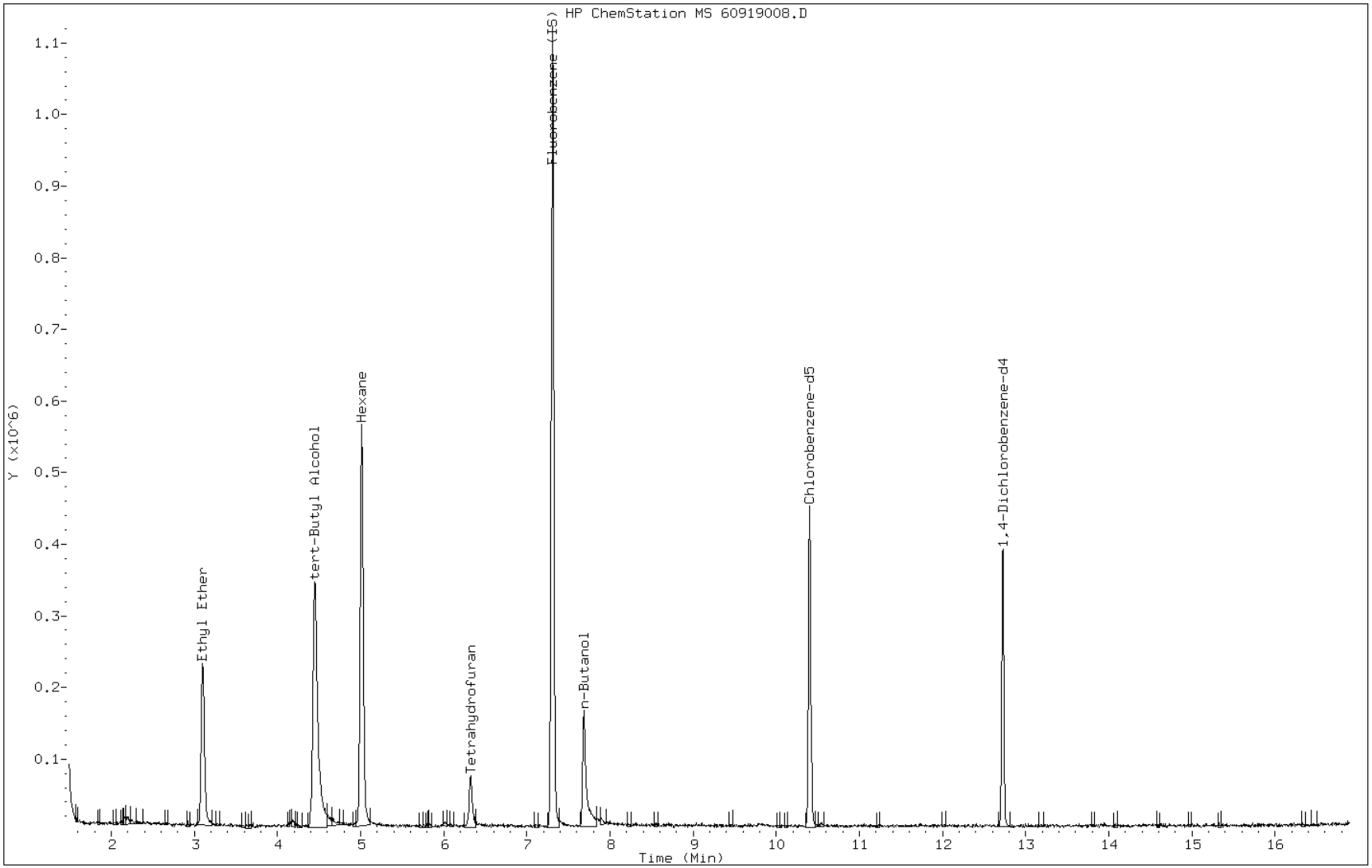
M - Compound response manually integrated.

Data File: 60919008.D

Date: 19-SEP-2012 10:15

Client ID: IC 20 Indi | Instrument: hp6.i

Sample Info: IC, Indi 20 | Operator: 001562



Manual Integration Report

Data File: 60919008.D
Inj. Date and Time: 19-SEP-2012 10:15
Instrument ID: hp6.i
Client ID: IC 20 Indi
Compound: 8 Ethyl Ether
CAS #: 60-29-7
Report Date: 09/19/2012

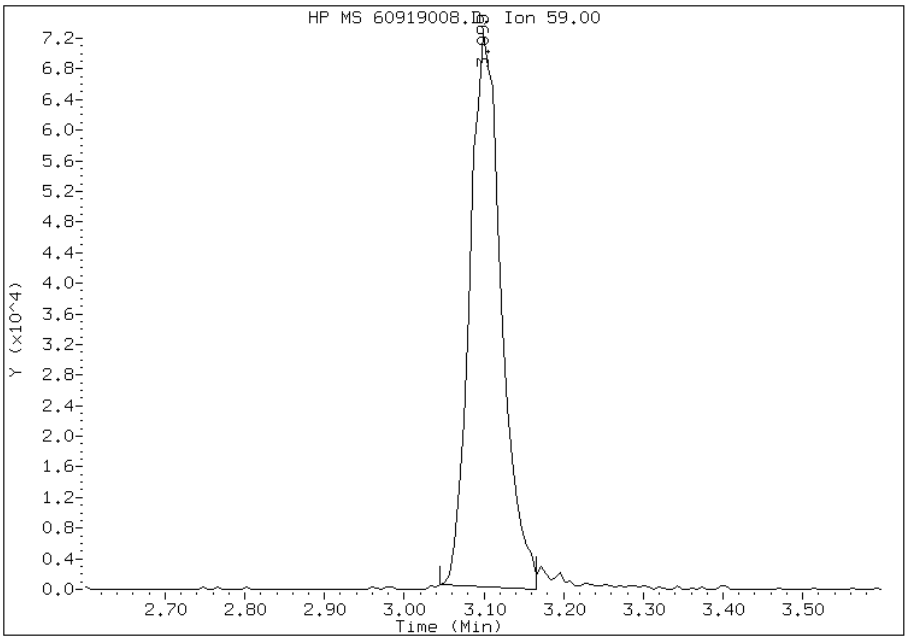
Processing Integration Results

RT: 3.10

Response: 203066

Amount: 98

Conc: 98



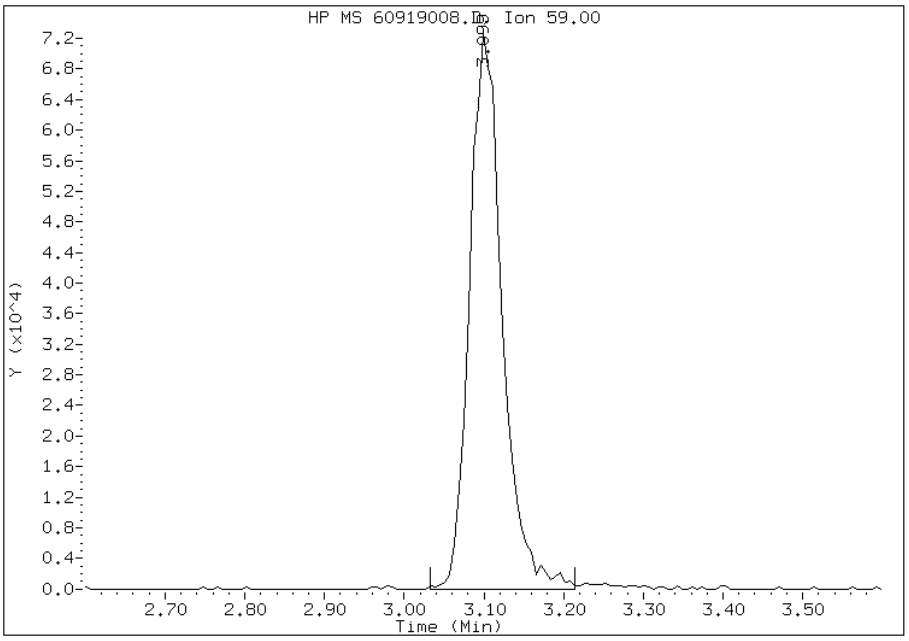
Manual Integration Results

RT: 3.10

Response: 210840

Amount: 101

Conc: 101



Manually Integrated By: fergusond
Modification Date: 19-Sep-2012 10:57
Manual Integration Reason: Peak Integrated Incorrectly

Manual Integration Report

Data File: 60919008.D
Inj. Date and Time: 19-SEP-2012 10:15
Instrument ID: hp6.i
Client ID: IC 20 Indi
Compound: 48 n-Butanol
CAS #: 71-36-3
Report Date: 09/19/2012

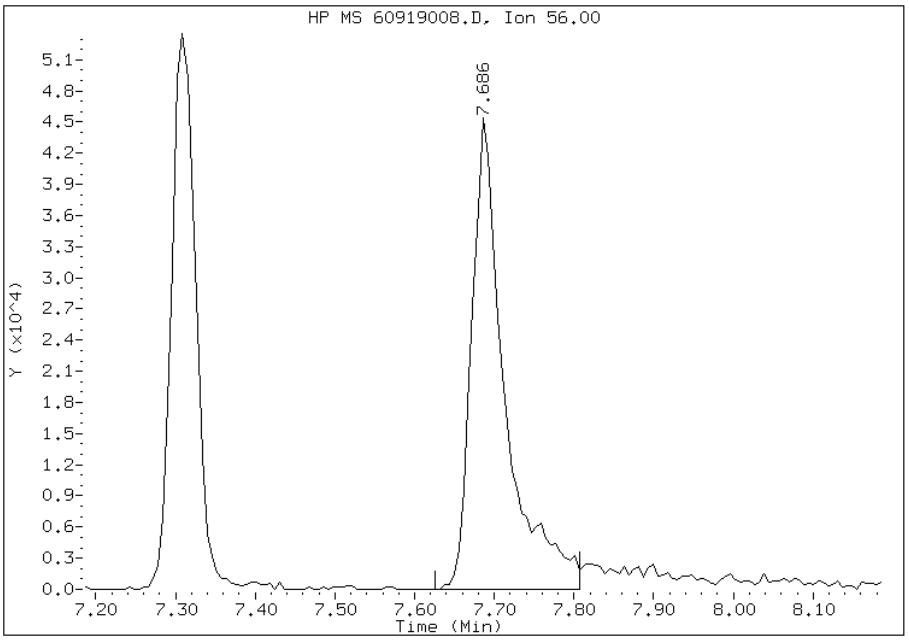
Processing Integration Results

RT: 7.69

Response: 133990

Amount: 4556

Conc: 4556



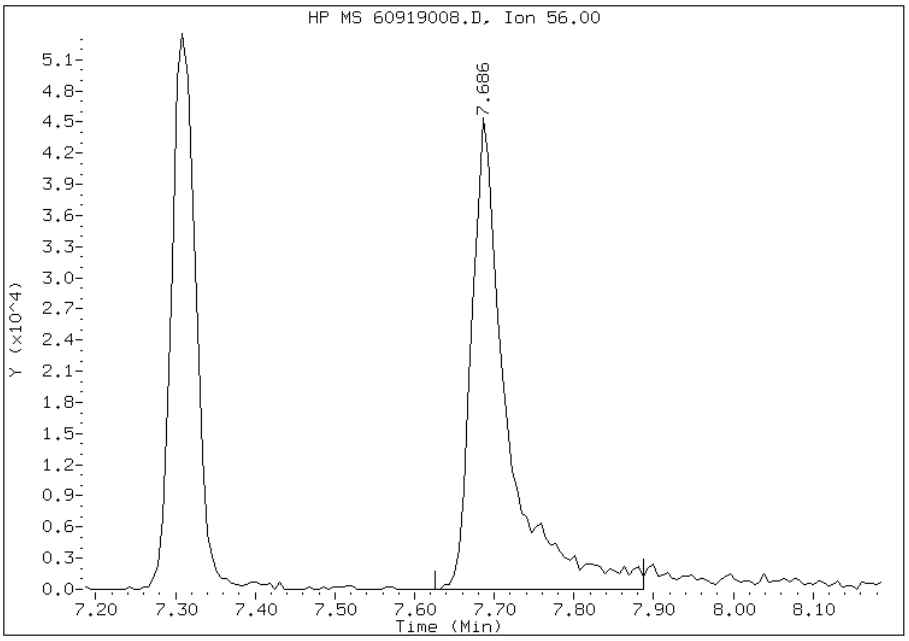
Manual Integration Results

RT: 7.69

Response: 142638

Amount: 4409

Conc: 4409



Manually Integrated By: fergusond
Modification Date: 19-Sep-2012 10:57
Manual Integration Reason: Peak Integrated Incorrectly

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6091912d.b\60919009.D
Lab Smp Id: IC Client Smp ID: IC 35 Indi
Inj Date : 19-SEP-2012 10:39
Operator : 001562 Inst ID: hp6.i
Smp Info : IC, Indi 35
Misc Info : T6091912d.b,T8260bllw.m,1-indi.sub
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6091912d.b\T8260bllw.m
Meth Date : 19-Sep-2012 11:27 fergusond Quant Type: ISTD
Cal Date : 19-SEP-2012 08:39 Cal File: 60919004.D
Als bottle: 58 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-indi.sub
Target Version: 4.14
Processing Host: PITPC-002

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 46 Fluorobenzene (IS)	96	7.309	7.309	(1.000)	481310	50.0000	
* 69 Chlorobenzene-d5	119	10.405	10.405	(1.000)	93931	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.729	12.729	(1.000)	108044	50.0000	
8 Ethyl Ether	59	3.099	3.099	(0.424)	364495	175.000	171.4
21 tert-Butyl Alcohol	59	4.450	4.450	(0.609)	1031822	7000.00	6989
23 Hexane	57	5.015	5.015	(0.686)	697615	175.000	175.1
35 Tetrahydrofuran	42	6.317	6.317	(0.864)	121671	175.000	170.2
48 n-Butanol	56	7.686	7.686	(1.052)	244312	7000.00	7409(M)
155 N-Heptane	41	7.309	7.309	(1.000)	327621	175.000	175.7

QC Flag Legend

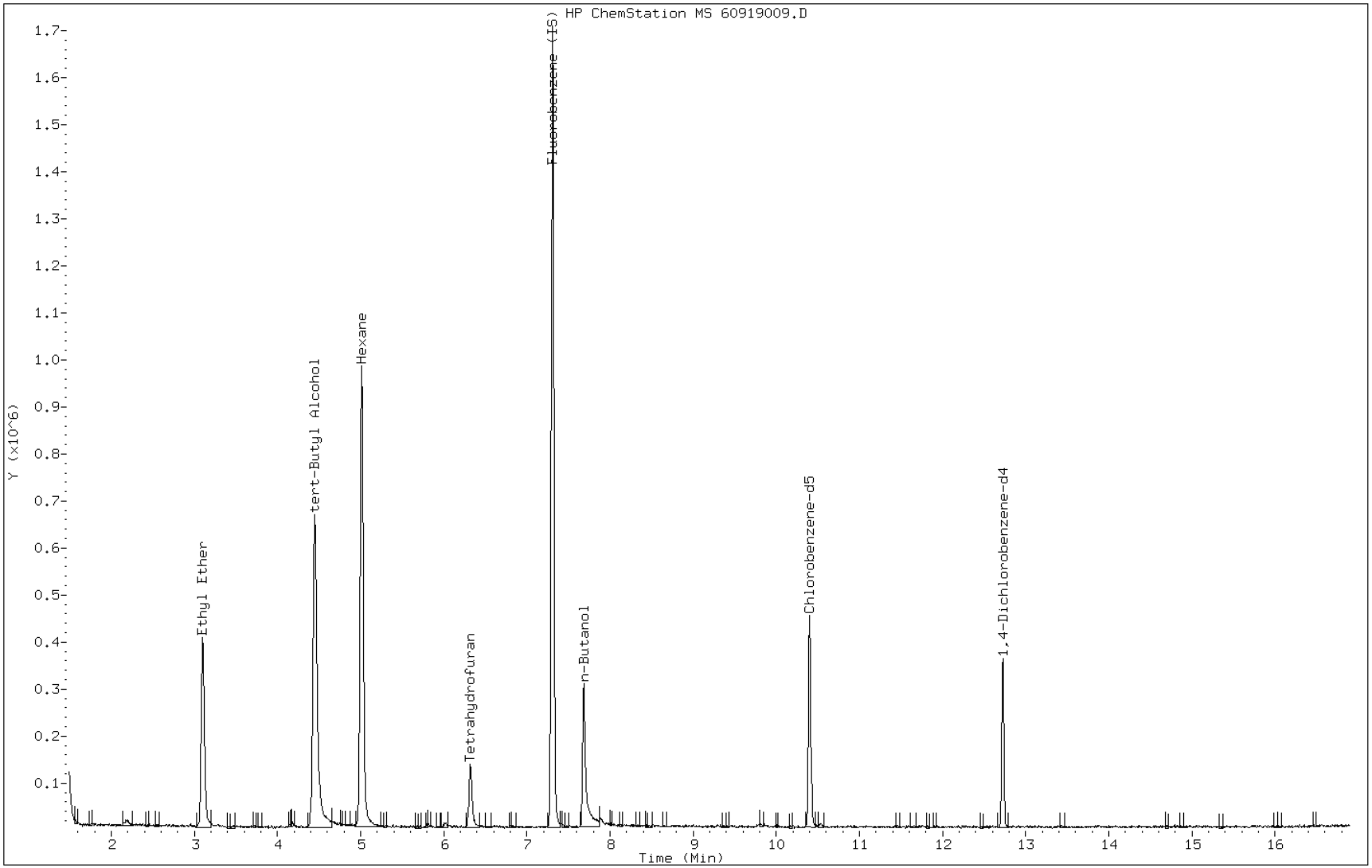
M - Compound response manually integrated.

Data File: 60919009.D

Date: 19-SEP-2012 10:39

Client ID: IC 35 Indi | Instrument: hp6.i

Sample Info: IC, Indi 35 | Operator: 001562



Manual Integration Report

Data File: 60919009.D
Inj. Date and Time: 19-SEP-2012 10:39
Instrument ID: hp6.i
Client ID: IC 35 Indi
Compound: 48 n-Butanol
CAS #: 71-36-3
Report Date: 09/19/2012

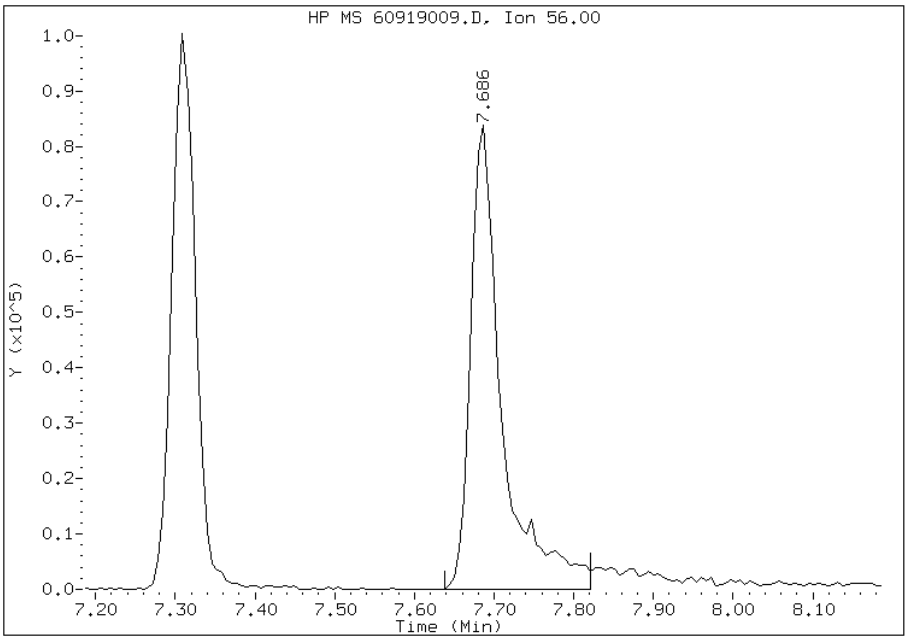
Processing Integration Results

RT: 7.69

Response: 231781

Amount: 7734

Conc: 7734



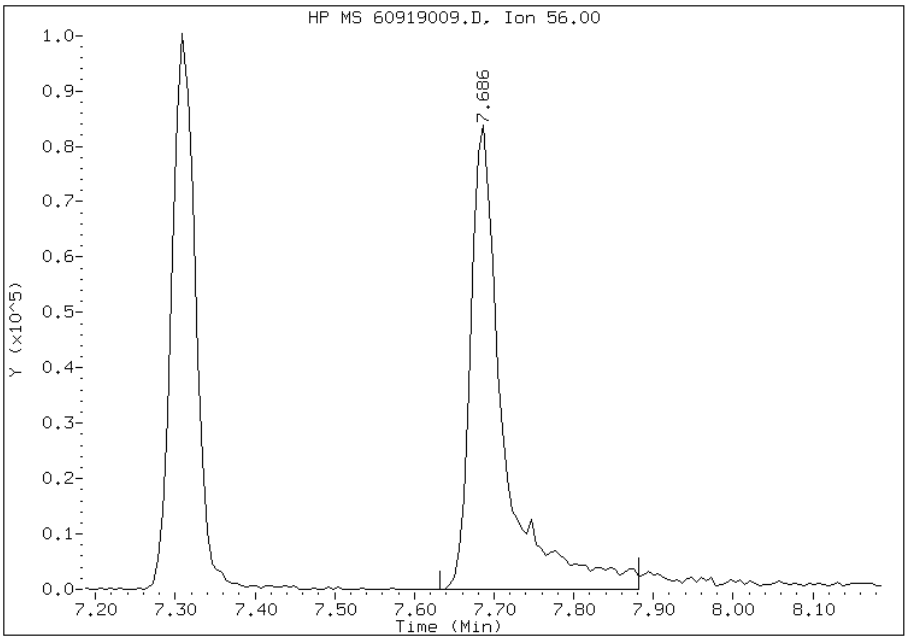
Manual Integration Results

RT: 7.69

Response: 244312

Amount: 7409

Conc: 7409



Manually Integrated By: fergusond
Modification Date: 19-Sep-2012 10:58
Manual Integration Reason: Peak Integrated Incorrectly

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6091912d.b\60919010.D
Lab Smp Id: IC Client Smp ID: IC 40 Indi
Inj Date : 19-SEP-2012 11:03
Operator : 001562 Inst ID: hp6.i
Smp Info : IC, Indi 40
Misc Info : T6091912d.b,T8260bllw.m,1-indi.sub
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6091912d.b\T8260bllw.m
Meth Date : 19-Sep-2012 11:00 fergusond Quant Type: ISTD
Cal Date : 19-SEP-2012 10:39 Cal File: 60919009.D
Als bottle: 59 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-indi.sub
Target Version: 4.14
Processing Host: PITPC-002

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 46 Fluorobenzene (IS)	96	7.304	7.304	(1.000)	477980	50.0000	
* 69 Chlorobenzene-d5	119	10.401	10.401	(1.000)	93852	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.725	12.725	(1.000)	107199	50.0000	
8 Ethyl Ether	59	3.094	3.094	(0.424)	430958	200.000	204.0
21 tert-Butyl Alcohol	59	4.451	4.451	(0.609)	1212257	8000.00	8269
23 Hexane	57	5.011	5.011	(0.686)	778412	200.000	196.7
35 Tetrahydrofuran	42	6.313	6.313	(0.864)	145328	200.000	204.7
48 n-Butanol	56	7.687	7.687	(1.052)	315267	8000.00	9628(M)
155 N-Heptane	41	7.304	7.304	(1.000)	374841	200.000	202.4

QC Flag Legend

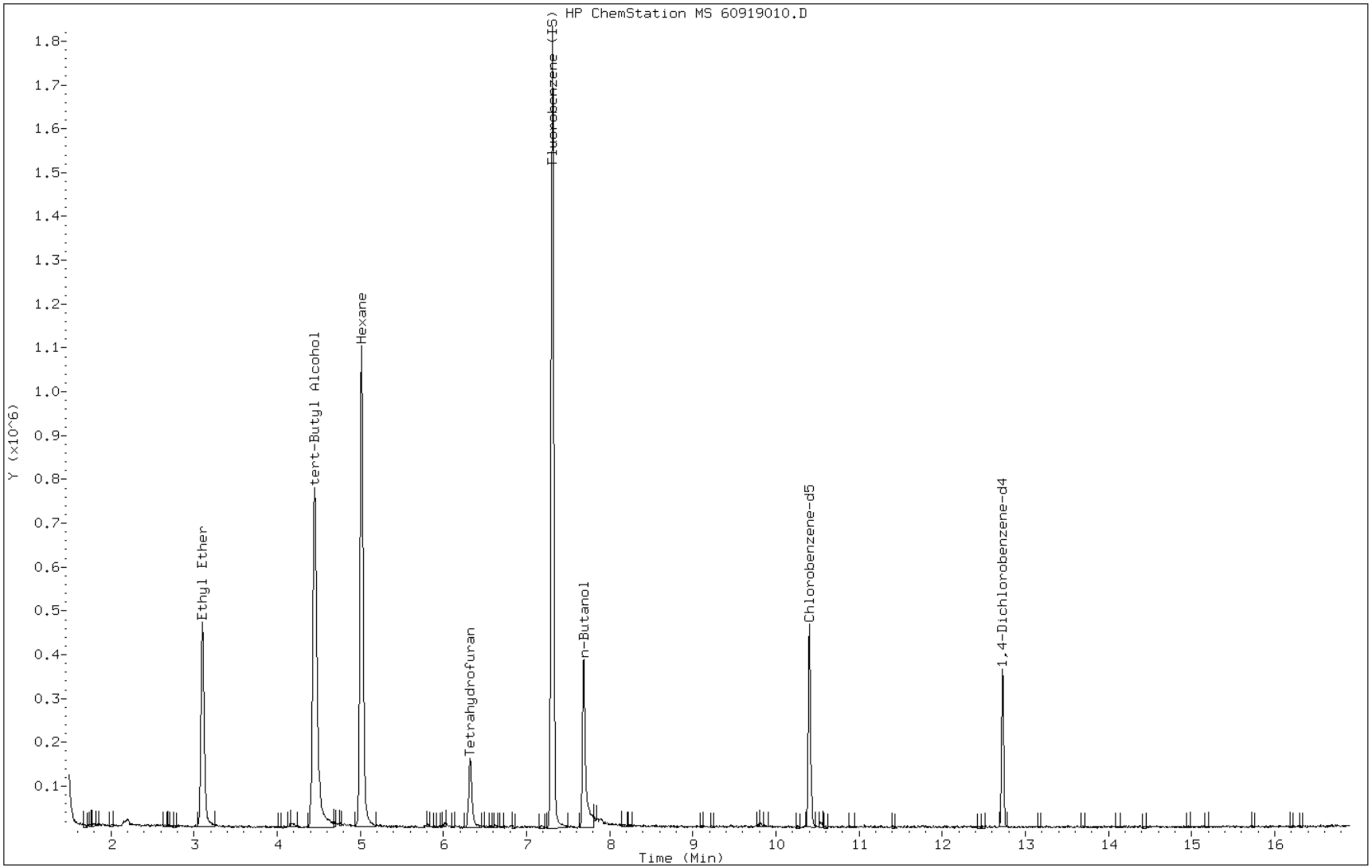
M - Compound response manually integrated.

Data File: 60919010.D

Date: 19-SEP-2012 11:03

Client ID: IC 40 Indi | Instrument: hp6.i

Sample Info: IC, Indi 40 | Operator: 001562



Manual Integration Report

Data File: 60919010.D
Inj. Date and Time: 19-SEP-2012 11:03
Instrument ID: hp6.i
Client ID: IC 40 Indi
Compound: 48 n-Butanol
CAS #: 71-36-3
Report Date: 09/19/2012

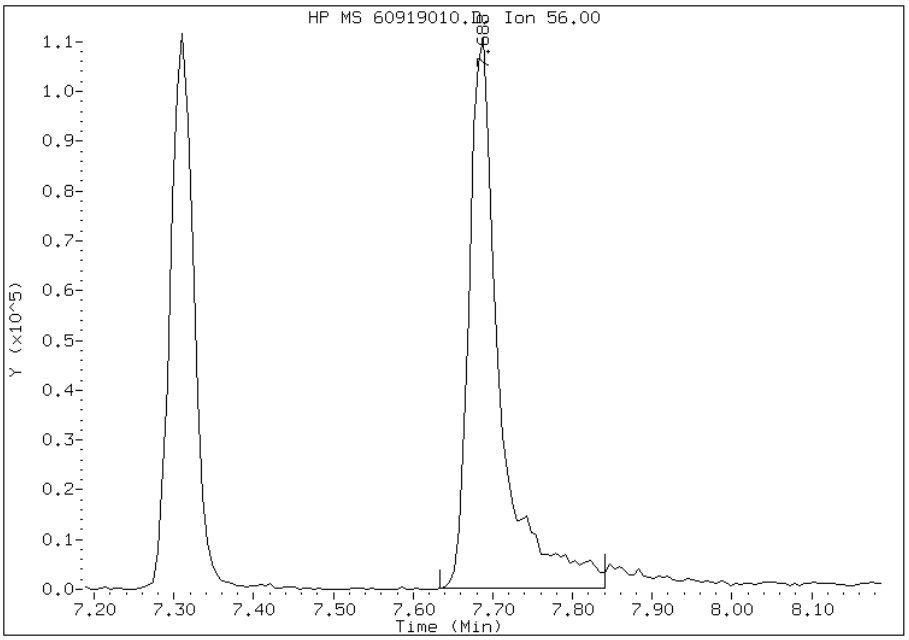
Processing Integration Results

RT: 7.69

Response: 301007

Amount: 9515

Conc: 9515



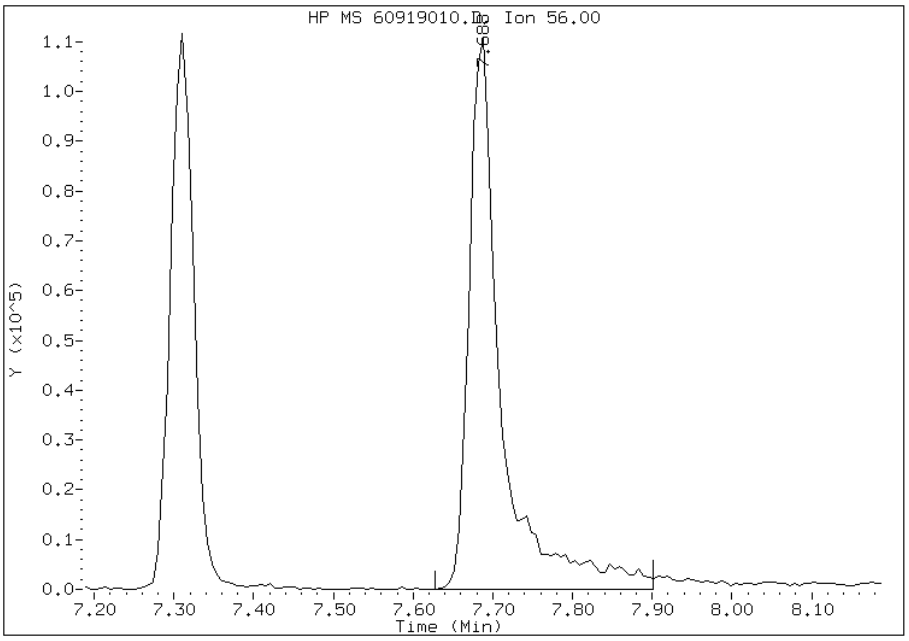
Manual Integration Results

RT: 7.69

Response: 315267

Amount: 9628

Conc: 9628



Manually Integrated By: fergusond
Modification Date: 19-Sep-2012 11:25
Manual Integration Reason: Peak Integrated Incorrectly

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: CCVIS 180-50119/2 Calibration Date: 09/28/2012 09:55

Instrument ID: HP6 Calib Start Date: 09/12/2012 14:47

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/12/2012 18:08

Lab File ID: 60928002.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2534	0.2836		11.2	10.0	11.9	50.0
Chloromethane	Ave	0.3894	0.3882	0.1000	9.97	10.0	-0.3	
Vinyl chloride	Ave	0.3061	0.3221		10.5	10.0	5.2	20.0
Bromomethane	Qua	0.1030	0.1039		10.9	10.0	9.0	
Chloroethane	Ave	0.1280	0.1594		12.4	10.0	24.5	50.0
Trichlorofluoromethane	Ave	0.3058	0.3286		10.7	10.0	7.5	50.0
1,1-Dichloroethene	Ave	0.2607	0.2459		9.43	10.0	-5.7	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2431	0.2530		10.4	10.0	4.1	50.0
Acetone	Ave	0.0654	0.0609		18.6	20.0	-6.9	50.0
Carbon disulfide	Ave	0.6226	0.6683		10.7	10.0	7.3	50.0
Methyl acetate	Ave	0.2093	0.2018		9.64	10.0	-3.6	50.0
Methylene Chloride	Qua	0.3288	0.2716		9.66	10.0	-3.4	50.0
trans-1,2-Dichloroethene	Ave	0.2707	0.2584		9.54	10.0	-4.6	50.0
Methyl tert-butyl ether	Ave	0.6848	0.5481		8.00	10.0	-20.0	50.0
1,1-Dichloroethane	Ave	0.4832	0.5081	0.1000	10.5	10.0	5.2	50.0
2,2-Dichloropropane	Ave	0.2355	0.1616		6.86	10.0	-31.4	50.0
cis-1,2-Dichloroethene	Ave	0.2978	0.2850		9.57	10.0	-4.3	50.0
2-Butanone (MEK)	Ave	0.1181	0.0984		16.7	20.0	-16.6	50.0
Bromochloromethane	Ave	0.1193	0.1130		9.47	10.0	-5.3	50.0
Chloroform	Ave	0.3891	0.3945		10.1	10.0	1.4	20.0
1,1,1-Trichloroethane	Ave	0.3148	0.2916		9.26	10.0	-7.4	25.0
Cyclohexane	Ave	0.6119	0.5829		9.53	10.0	-4.7	50.0
Carbon tetrachloride	Ave	0.2447	0.2318		9.47	10.0	-5.3	25.0
1,1-Dichloropropene	Ave	0.3795	0.3709		9.77	10.0	-2.3	50.0
Benzene	Ave	1.127	1.124		9.98	10.0	-0.2	25.0
1,2-Dichloroethane	Ave	0.2991	0.3220		10.8	10.0	7.6	25.0
Trichloroethene	Ave	0.2780	0.2786		10.0	10.0	0.2	25.0
Methylcyclohexane	Ave	0.4931	0.4620		9.37	10.0	-6.3	50.0
1,2-Dichloropropane	Ave	0.2663	0.2892		10.9	10.0	8.6	20.0
Dibromomethane	Ave	0.1319	0.1256		9.53	10.0	-4.7	50.0
Bromodichloromethane	Ave	0.2365	0.2248		9.50	10.0	-5.0	25.0
cis-1,3-Dichloropropene	Ave	0.3378	0.2484		7.35	10.0	-26.5*	25.0
4-Methyl-2-pentanone (MIBK)	Ave	1.253	1.037		16.5	20.0	-17.3	50.0
Toluene	Ave	5.343	5.578		10.5	10.0	4.4	20.0
trans-1,3-Dichloropropene	Ave	1.309	0.9420		7.20	10.0	-28.0*	25.0
1,1,2-Trichloroethane	Ave	0.9285	0.9496		10.2	10.0	2.3	25.0
Tetrachloroethene	Ave	0.8869	1.051		11.9	10.0	18.5	25.0
1,3-Dichloropropane	Ave	1.700	1.725		10.1	10.0	1.5	50.0
2-Hexanone	Ave	0.8801	0.6687		15.2	20.0	-24.0	50.0
Dibromochloromethane	Ave	0.6274	0.6269		9.99	10.0	-0.0	25.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: CCVIS 180-50119/2 Calibration Date: 09/28/2012 09:55

Instrument ID: HP6 Calib Start Date: 09/12/2012 14:47

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/12/2012 18:08

Lab File ID: 60928002.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromoethane (EDB)	Ave	0.8744	0.8740		10.0	10.0	-0.0	50.0
3-Chlorobenzotrifluoride	Ave	1.944	1.987		10.2	10.0	2.2	50.0
Chlorobenzene	Ave	3.202	3.343	0.3000	10.4	10.0	4.4	
4-Chlorobenzotrifluoride	Ave	1.783	1.796		10.1	10.0	0.7	50.0
1,1,1,2-Tetrachloroethane	Ave	0.8559	0.8107		9.47	10.0	-5.3	50.0
Ethylbenzene	Ave	1.913	1.937		10.1	10.0	1.3	20.0
m-Xylene & p-Xylene	Ave	2.312	2.284		19.8	20.0	-1.2	25.0
o-Xylene	Ave	2.271	2.120		9.34	10.0	-6.6	25.0
Styrene	Ave	3.522	3.470		9.85	10.0	-1.5	25.0
Bromoform	Ave	0.3317	0.2872	0.1000	8.66	10.0	-13.4	
2-Chlorobenzotrifluoride	Ave	1.747	1.736		9.94	10.0	-0.6	50.0
Isopropylbenzene	Ave	5.355	5.162		9.64	10.0	-3.6	50.0
1,1,2,2-Tetrachloroethane	Ave	0.9623	0.9316	0.3000	9.68	10.0	-3.2	
Bromobenzene	Ave	0.9145	0.9735		10.6	10.0	6.5	50.0
1,2,3-Trichloropropane	Ave	0.2985	0.3225		10.8	10.0	8.0	50.0
N-Propylbenzene	Ave	1.254	1.276		10.2	10.0	1.8	50.0
2-Chlorotoluene	Ave	1.024	1.064		10.4	10.0	3.9	50.0
3-Chlorotoluene	Ave	1.075	1.220		11.3	10.0	13.5	50.0
1,3,5-Trimethylbenzene	Ave	3.240	3.246		10.0	10.0	0.2	50.0
4-Chlorotoluene	Ave	1.110	1.172		10.6	10.0	5.6	50.0
tert-Butylbenzene	Ave	2.837	2.757		9.72	10.0	-2.8	50.0
1,2,4-Trimethylbenzene	Ave	3.172	3.132		9.88	10.0	-1.2	50.0
3,4-Dichlorobenzotrifluoride	Ave	0.8649	0.9366		10.8	10.0	8.3	50.0
sec-Butylbenzene	Ave	3.854	3.786		9.82	10.0	-1.8	50.0
1,3-Dichlorobenzene	Ave	1.618	1.617		10.0	10.0	-0.0	25.0
4-Isopropyltoluene	Ave	3.124	2.947		9.43	10.0	-5.7	50.0
1,4-Dichlorobenzene	Ave	1.672	1.638		9.80	10.0	-2.0	25.0
2,4-Dichlorobenzotrifluoride	Ave	0.7204	0.7555		10.5	10.0	4.9	50.0
2,5-Dichlorobenzotrifluoride	Ave	0.8328	0.8181		9.82	10.0	-1.8	50.0
n-Butylbenzene	Ave	2.536	2.184		8.61	10.0	-13.9	50.0
1,2-Dichlorobenzene	Ave	1.460	1.411		9.66	10.0	-3.4	25.0
1,2-Dibromo-3-Chloropropane	Ave	0.1118	0.0867		7.75	10.0	-22.5	50.0
2,4- & 2,5- & 2,6-Dichlorotoluene	Ave	0.9691	0.7607		23.5	30.0	-21.5	
1,3,5-Trichlorobenzene	Ave	0.7670	0.6428		8.38	10.0	-16.2	50.0
2,3- & 3,4- Dichlorotoluene	Ave	0.9274	0.7002		15.1	20.0	-24.5	
1,2,4-Trichlorobenzene	Ave	0.6546	0.4489		6.86	10.0	-31.4	50.0
Hexachlorobutadiene	Ave	0.2324	0.1833		7.89	10.0	-21.1	50.0
Naphthalene	Ave	1.917	1.163		6.06	10.0	-39.4	50.0
1,2,3-Trichlorobenzene	Ave	0.5247	0.3324		6.33	10.0	-36.7	50.0
2,4,5-Trichlorotoluene	Ave	0.2577	0.1268		4.92	10.0	-50.8*	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: CCVIS 180-50119/2 Calibration Date: 09/28/2012 09:55

Instrument ID: HP6 Calib Start Date: 09/12/2012 14:47

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/12/2012 18:08

Lab File ID: 60928002.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,3,6-Trichlorotoluene	Ave	0.2011	0.1077		5.35	10.0	-46.5	50.0
Dibromofluoromethane (Surr)	Ave	0.2016	0.1886		9.35	10.0	-6.5	
1,2-Dichloroethane-d4 (Surr)	Ave	0.2247	0.2349		10.5	10.0	4.6	
Toluene-d8 (Surr)	Ave	4.552	4.378		9.66	10.0	-3.8	
4-Bromofluorobenzene (Surr)	Ave	1.447	1.215		8.39	10.0	-16.1	25.0

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6092812d.b\60928002.D
Lab Smp Id: CCVIS Client Smp ID: CCVIS 10
Inj Date : 28-SEP-2012 09:55
Operator : 001562 Inst ID: hp6.i
Smp Info : CCVIS
Misc Info : T6092812d.b,T8260bllw.m,1-dwh2o.sub
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6092812d.b\T8260bllw.m
Meth Date : 28-Sep-2012 11:01 hp6.i Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 52 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-dwh2o.sub
Target Version: 4.14
Processing Host: PITPC-002

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 46 Fluorobenzene (IS)	96	7.305	7.305	(1.000)	507328	50.0000	
* 69 Chlorobenzene-d5	119	10.402	10.402	(1.000)	106296	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.726	12.726	(1.000)	118062	50.0000	
$ 39 Dibromofluoromethane (Surr)	113	6.563	6.563	(0.898)	95665	50.0000	46.77
$ 43 1,2-Dichloroethane-d4	65	6.934	6.934	(0.949)	119171	50.0000	52.28
$ 59 Toluene-d8	98	8.960	8.960	(0.861)	465351	50.0000	48.31
$ 80 Bromofluorobenzene (Surr)	95	11.570	11.570	(1.112)	129105	50.0000	41.97
1 Dichlorodifluoromethane	85	1.617	1.617	(0.221)	143882	50.0000	55.96
2 Chloromethane	50	1.769	1.769	(0.242)	196945	50.0000	49.84
3 Vinyl Chloride	62	1.897	1.897	(0.260)	163402	50.0000	52.61
4 Bromomethane	94	2.274	2.274	(0.311)	52714	50.0000	54.50
5 Chloroethane	64	2.402	2.402	(0.329)	80843	50.0000	62.24
6 Trichlorofluoromethane	101	2.731	2.731	(0.374)	166692	50.0000	53.72
10 1,1,2-trichloro-1,2,2-trifluor	101	3.454	3.454	(0.473)	128334	50.0000	52.03
12 1,1-Dichloroethene	96	3.394	3.394	(0.465)	124749	50.0000	47.16
15 Carbon Disulfide	76	3.680	3.680	(0.504)	339056	50.0000	53.67
13 Acetone	43	3.515	3.515	(0.481)	61774	100.000	93.13
18 Methylene Chloride	84	4.172	4.172	(0.571)	137782	50.0000	48.29
19 trans-1,2-Dichloroethene	96	4.592	4.592	(0.629)	131100	50.0000	47.72
20 Methyl tert-butyl ether	73	4.616	4.616	(0.632)	278059	50.0000	40.02
24 1,1-Dichloroethane	63	5.200	5.200	(0.712)	257776	50.0000	52.58
27 2,2-Dichloropropane	77	5.955	5.955	(0.815)	81958	50.0000	34.30
28 cis-1,2-dichloroethene	96	5.967	5.967	(0.817)	144587	50.0000	47.85
M 29 1,2-Dichloroethene (total)	96				275687	100.000	95.57
30 Bromochloromethane	128	6.259	6.259	(0.857)	57325	50.0000	47.35
31 2-Butanone	43	6.016	6.016	(0.823)	99855	100.000	83.36
37 Chloroform	83	6.368	6.368	(0.872)	200124	50.0000	50.69
38 1,1,1-Trichloroethane	97	6.563	6.563	(0.898)	147958	50.0000	46.32

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	40 1,1-Dichloropropene	75	6.758	6.758	(0.925)	188179	50.0000	48.87
	41 Carbon Tetrachloride	117	6.746	6.746	(0.923)	117571	50.0000	47.36
	42 Benzene	78	6.989	6.989	(0.957)	570290	50.0000	49.88
	45 1,2-Dichloroethane	62	7.019	7.019	(0.961)	163342	50.0000	53.82
	47 Trichloroethene	130	7.701	7.701	(1.054)	141318	50.0000	50.09
	49 1,2-Dichloropropane	63	7.938	7.938	(1.087)	146696	50.0000	54.29
	50 Dibromomethane	93	8.060	8.060	(1.103)	63743	50.0000	47.64
	53 Bromodichloromethane	83	8.230	8.230	(1.127)	114023	50.0000	47.51
	57 cis-1,3-Dichloropropene	75	8.692	8.692	(1.190)	126027	50.0000	36.77
	58 4-Methyl-2-Pentanone	43	8.857	8.857	(0.851)	220409	100.000	82.73
	60 Toluene	91	9.027	9.027	(0.868)	592971	50.0000	52.64
	61 trans-1,3-Dichloropropene	75	9.252	9.252	(0.889)	100131	50.0000	35.98
	63 1,3-Dichloropropane	76	9.605	9.605	(0.923)	183369	50.0000	50.74
	64 1,1,2-Trichloroethane	97	9.435	9.435	(0.907)	100935	50.0000	51.13
	65 Tetrachloroethene	164	9.574	9.574	(0.920)	111751	50.0000	59.27
	66 2-Hexanone	43	9.690	9.690	(0.932)	142155	100.000	75.98
	67 Dibromochloromethane	129	9.830	9.830	(0.945)	66632	50.0000	49.96
	68 1,2-Dibromoethane	107	9.946	9.946	(0.956)	92906	50.0000	49.98
	70 Chlorobenzene	112	10.432	10.432	(1.003)	355368	50.0000	52.21
	71 1,1,1,2-Tetrachloroethane	131	10.511	10.511	(1.011)	86173	50.0000	47.36
	72 Ethylbenzene	106	10.536	10.536	(1.013)	205934	50.0000	50.64
	73 m + p-Xylene	106	10.651	10.651	(1.024)	485626	100.000	98.78
	74 Xylene-o	106	11.047	11.047	(1.062)	225355	50.0000	46.69
M	75 Xylenes (total)	106				710981	150.000	145.5
	76 Styrene	104	11.059	11.059	(1.063)	368817	50.0000	49.26
	77 Bromoform	173	11.253	11.253	(1.082)	30528	50.0000	43.29
	78 Isopropylbenzene	105	11.418	11.418	(1.098)	548668	50.0000	48.20
	79 Bromobenzene	156	11.722	11.722	(0.921)	114935	50.0000	53.23
	81 n-Propylbenzene	120	11.825	11.825	(0.929)	150657	50.0000	50.90
	82 2-Chlorotoluene	126	11.917	11.917	(0.936)	125630	50.0000	51.96
	83 1,1,2,2-Tetrachloroethane	83	11.716	11.716	(0.921)	109981	50.0000	48.40
	84 1,2,3-Trichloropropane	110	11.758	11.758	(0.924)	38080	50.0000	54.02
	85 4-Chlorotoluene	126	12.026	12.026	(0.945)	138410	50.0000	52.80
	86 1,3,5-Trimethylbenzene	105	12.002	12.002	(0.943)	383266	50.0000	50.10
	87 tert-Butylbenzene	119	12.330	12.330	(0.969)	325459	50.0000	48.59
	88 1,2,4-Trimethylbenzene	105	12.379	12.379	(0.973)	369816	50.0000	49.38
	89 sec-Butylbenzene	105	12.549	12.549	(0.986)	447001	50.0000	49.12
	90 4-Isopropyltoluene	119	12.695	12.695	(0.998)	347923	50.0000	47.17
	91 1,3-Dichlorobenzene	146	12.665	12.665	(0.995)	190910	50.0000	49.98
	93 1,4-Dichlorobenzene	146	12.750	12.750	(1.002)	193365	50.0000	48.98
	94 n-Butylbenzene	91	13.103	13.103	(1.030)	257869	50.0000	43.06
	95 1,2-Dichlorobenzene	146	13.127	13.127	(1.032)	166556	50.0000	48.30
	96 1,2-Dibromo-3-chloropropane	157	13.918	13.918	(1.094)	10234	50.0000	38.76
	97 1,2,4-Trichlorobenzene	180	14.739	14.739	(1.158)	52999	50.0000	34.29
	98 Hexachlorobutadiene	225	14.910	14.910	(1.172)	21642	50.0000	39.44
	99 Naphthalene	128	14.989	14.989	(1.178)	137277	50.0000	30.32
	100 1,2,3-Trichlorobenzene	180	15.238	15.238	(1.197)	39247	50.0000	31.67
	156 Methyl Acetate	43	4.038	4.038	(0.553)	102389	50.0000	48.21
	157 Cyclohexane	56	6.618	6.618	(0.906)	295740	50.0000	47.64
	158 Methyl Cyclohexane	83	7.895	7.895	(1.081)	234362	50.0000	46.84
	160 1,3,5-Trichlorobenzene	180	14.119	14.119	(1.109)	75891	50.0000	41.90
	168 3-Chlorobenzotrifluoride	180	10.408	10.408	(1.001)	211215	50.0000	51.11
	169 4-Chlorobenzotrifluoride	180	10.463	10.463	(1.006)	190940	50.0000	50.37
	170 2-Chlorobenzotrifluoride	180	11.308	11.308	(1.087)	184576	50.0000	49.69

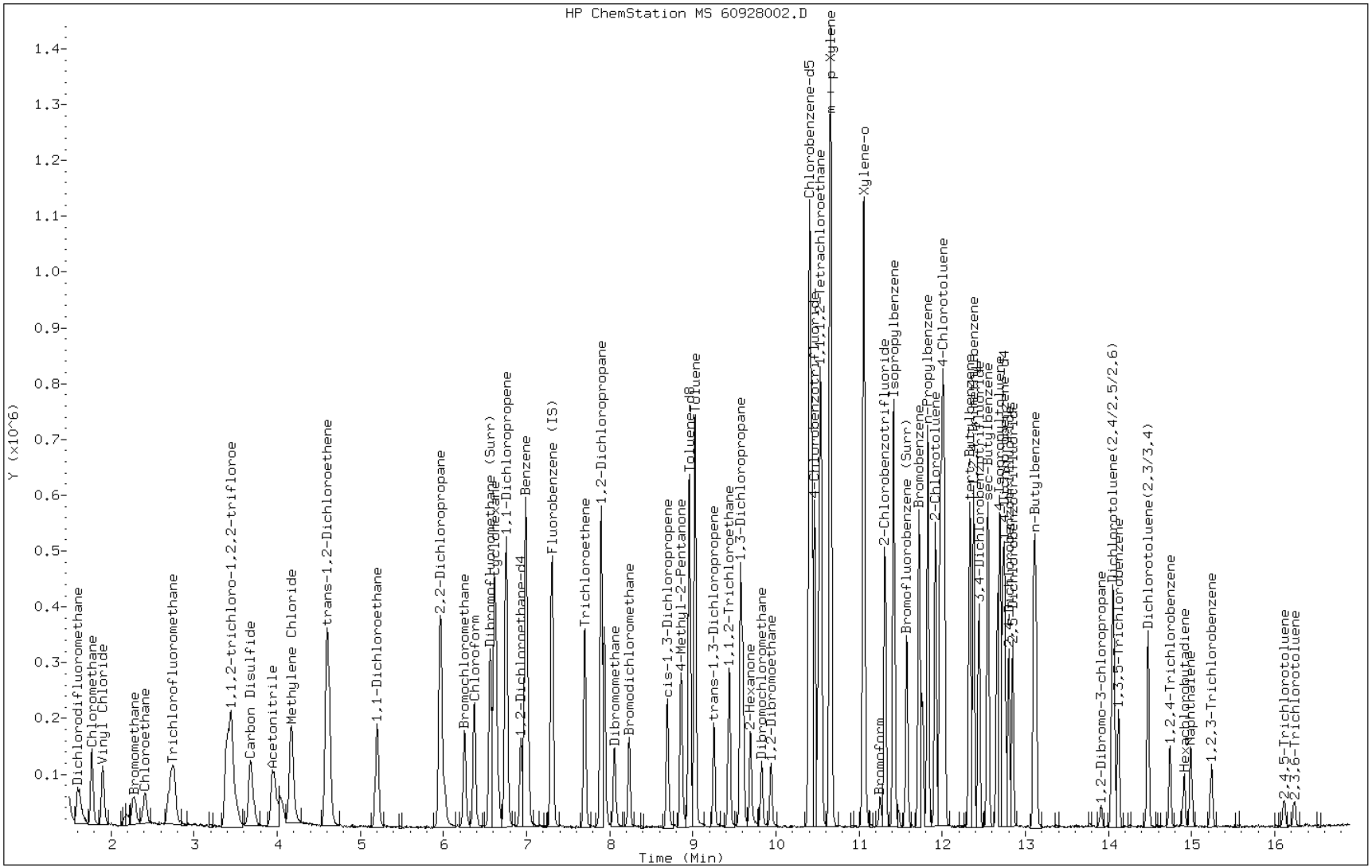
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
171 3-Chlorotoluene	126	11.977	11.977	(0.941)	144072	50.0000	56.75
172 3,4-Dichlorobenzotrifluoride	214	12.440	12.440	(0.978)	110576	50.0000	54.14
173 2,4-Dichlorobenzotrifluoride	214	12.799	12.799	(1.006)	89194	50.0000	52.44
174 2,5-Dichlorobenzotrifluoride	214	12.847	12.847	(1.010)	96585	50.0000	49.11
175 Dichlorotoluene(2,4/2,5/2,6)	125	14.052	14.052	(1.104)	269422	150.000	117.7
176 Dichlorotoluene(2,3/3,4)	125	14.472	14.472	(1.137)	165343	100.000	75.51
177 2,4,5-Trichlorotoluene	159	16.114	16.114	(1.266)	14965	50.0000	24.59
178 2,3,6-Trichlorotoluene	159	16.230	16.230	(1.275)	12711	50.0000	26.76

Data File: 60928002.D

Date: 28-SEP-2012 09:55

Client ID: CCVIS 10 Instrument: hp6.i

Sample Info: CCVIS Operator: 001562



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: CCV 180-50119/3 Calibration Date: 09/28/2012 10:23

Instrument ID: HP6 Calib Start Date: 09/13/2012 09:45

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/13/2012 12:57

Lab File ID: 60928003.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acrolein	Ave	0.0254	0.0262		31.0	30.0	3.4	50.0
Iodomethane	Ave	0.3278	0.3359		10.2	10.0	2.5	50.0
Allyl chloride	Ave	0.1380	0.1096		7.94	10.0	-20.6	50.0
Acrylonitrile	Ave	0.1082	0.0931		25.8	30.0	-14.0	50.0
Chloroprene	Ave	0.4752	0.4929		10.4	10.0	3.7	50.0
Vinyl acetate	Ave	0.4587	0.4470		9.75	10.0	-2.5	50.0
Propionitrile	Ave	0.0381	0.0345		18.1	20.0	-9.4	50.0
Methacrylonitrile	Ave	0.1609	0.1665		10.4	10.0	3.5	50.0
Isobutyl alcohol	Ave	0.0068	0.0056		326	400	-18.5	50.0
Methyl methacrylate	Ave	0.2004	0.2200		11.0	10.0	9.8	50.0
1,4-Dioxane	Ave	0.0023	0.0020		1740	2000	-13.0	50.0
2-Chloroethyl vinyl ether	Ave	0.1469	0.1579		21.5	20.0	7.5	50.0
Ethyl methacrylate	Ave	1.324	1.255		9.49	10.0	-5.1	50.0
trans-1,4-Dichloro-2-butene	Ave	0.2558	0.0795		3.11	10.0	-68.9*	50.0

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6092812d.b\60928003.D
Lab Smp Id: CCV Client Smp ID: CCV Appix
Inj Date : 28-SEP-2012 10:23
Operator : 001562 Inst ID: hp6.i
Smp Info : CCV, Appix
Misc Info : T6092812d.b,T8260bllw.m,1-appix.sub
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6092812d.b\T8260bllw.m
Meth Date : 28-Sep-2012 10:22 fergusond Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 53 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-appix.sub
Target Version: 4.14
Processing Host: PITSVR06

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 46 Fluorobenzene (IS)	96	7.306	7.306	(1.000)	490501	50.0000	
* 69 Chlorobenzene-d5	119	10.402	10.402	(1.000)	99654	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.726	12.726	(1.000)	117305	50.0000	
35 Tetrahydrofuran	42	6.320	6.320	(0.865)	37088	50.0000	50.90
11 Acrolein	56	3.272	3.272	(0.448)	38608	150.000	155.1
14 Iodomethane	142	3.601	3.601	(0.493)	164736	50.0000	51.23
22 Acrylonitrile	53	4.586	4.586	(0.628)	137013	150.000	129.0
16 3-Chloro-1-propene	76	3.972	3.972	(0.544)	53734	50.0000	39.68(Q)
26 2-Chloro-1,3-butadiene	53	5.322	5.322	(0.729)	241767	50.0000	51.87
32 Vinyl Acetate	43	5.322	5.322	(0.729)	219257	50.0000	48.73
34 Propionitrile	54	6.089	6.089	(0.833)	33877	100.000	90.55
36 Methacrylonitrile	41	6.272	6.272	(0.858)	81676	50.0000	51.75(M)
44 Isobutanol	41	6.971	6.971	(0.954)	109294	2000.00	1630(M)
51 Methyl methacrylate	41	8.078	8.078	(1.106)	107924	50.0000	54.89
52 1,4-Dioxane	88	8.090	8.090	(1.107)	197238	10000.0	8700
56 2-Chloroethyl vinyl ether	63	8.553	8.553	(1.171)	154878	100.000	107.5
179 Ethyl methacrylate	69	9.350	9.350	(0.899)	125108	50.0000	47.43
159 trans-1,4-Dichloro-2-butene	53	11.777	11.777	(0.925)	9325	50.0000	15.54

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: 60928003.D

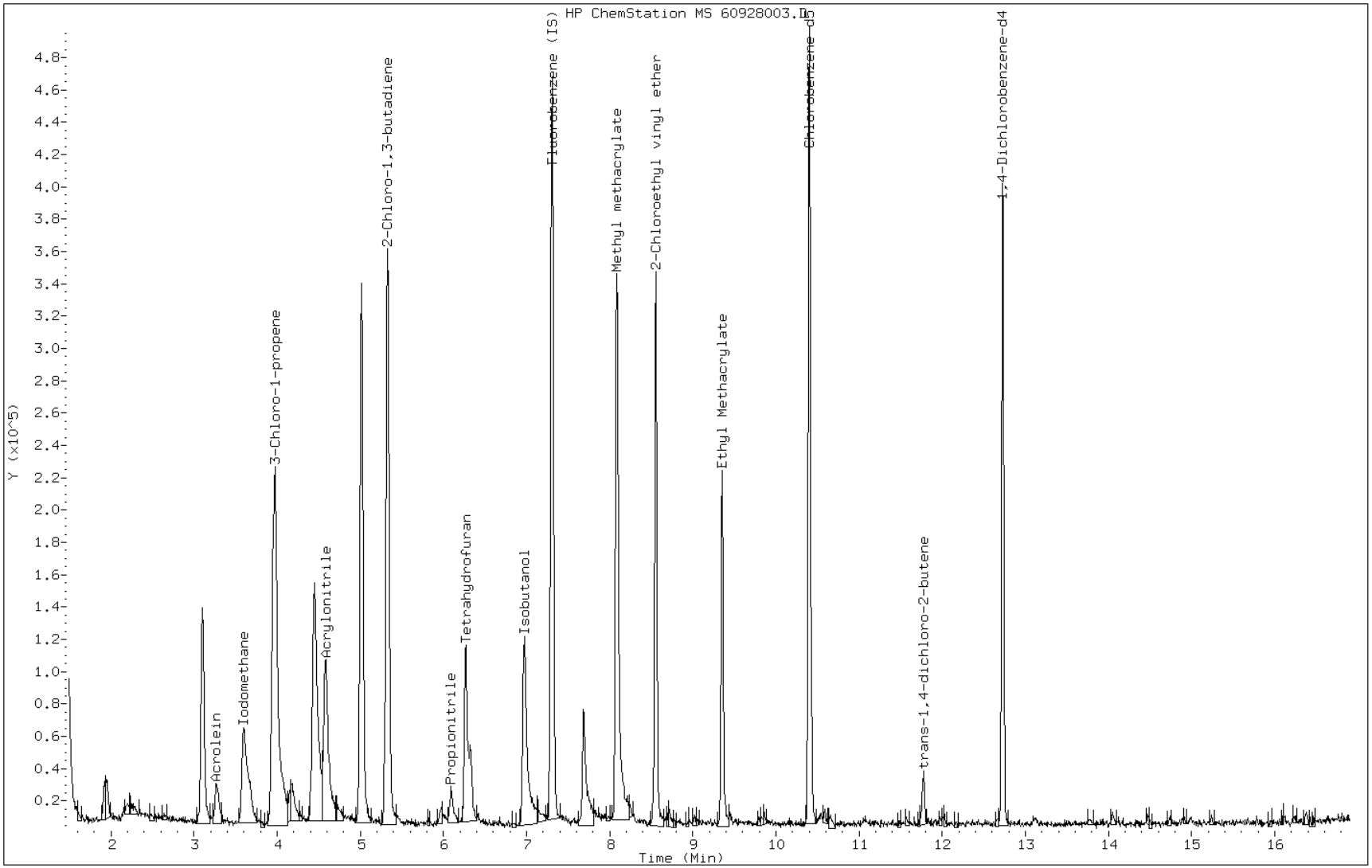
Date: 28-SEP-2012 10:23

Client ID: CCV Appix

Instrument: hp6.i

Sample Info: CCV, Appix

Operator: 001562



Manual Integration Report

Data File: 60928003.D
Inj. Date and Time: 28-SEP-2012 10:23
Instrument ID: hp6.i
Client ID: CCV Appix
Compound: 36 Methacrylonitrile
CAS #: 126-98-7
Report Date: 09/28/2012

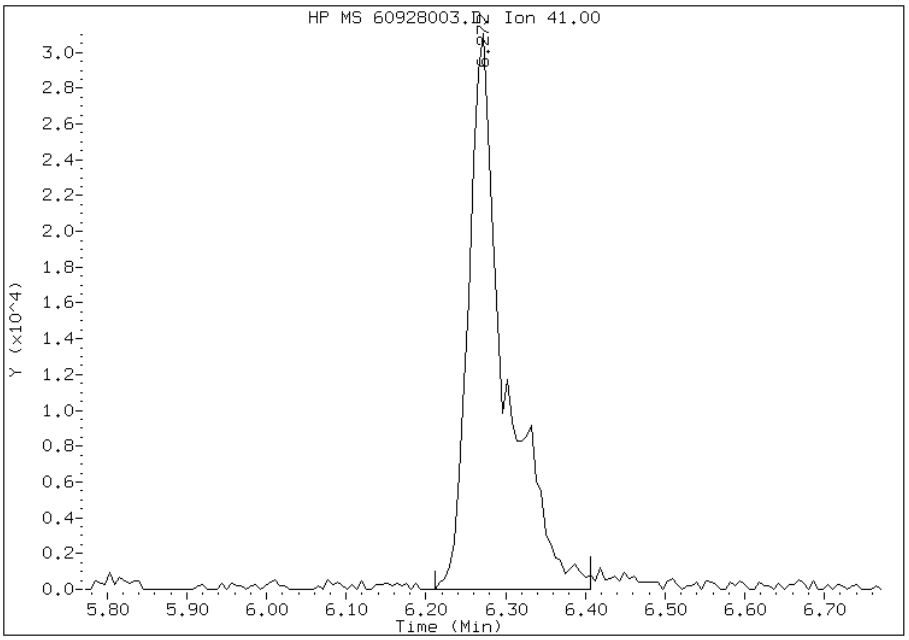
Processing Integration Results

RT: 6.27

Response: 100341

Amount: 64

Conc: 64



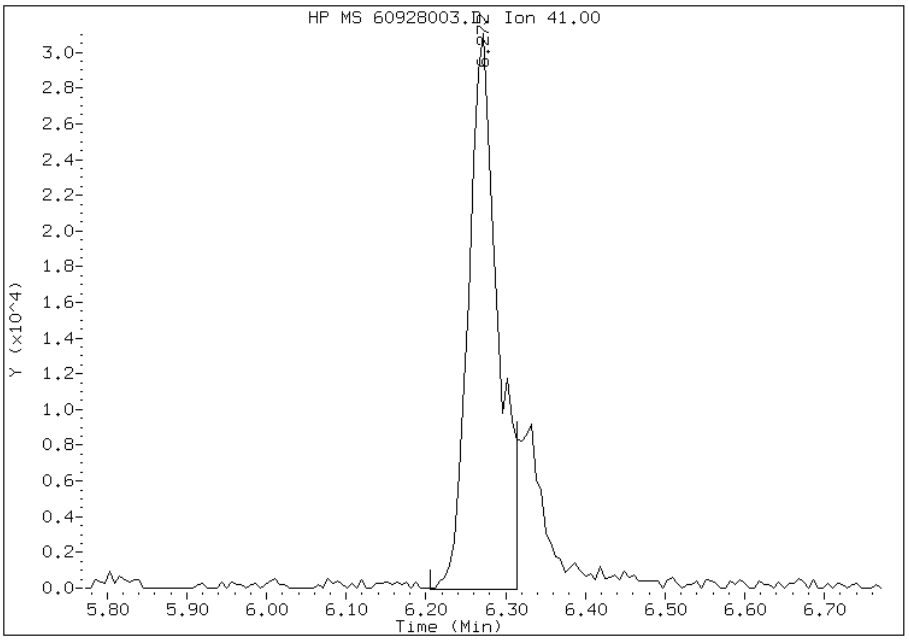
Manual Integration Results

RT: 6.27

Response: 81676

Amount: 52

Conc: 52



Manually Integrated By: fergusond
Modification Date: 28-Sep-2012 10:46
Manual Integration Reason: Peak Integrated Incorrectly

Manual Integration Report

Data File: 60928003.D
Inj. Date and Time: 28-SEP-2012 10:23
Instrument ID: hp6.i
Client ID: CCV Appix
Compound: 44 Isobutanol
CAS #: 78-83-1
Report Date: 09/28/2012

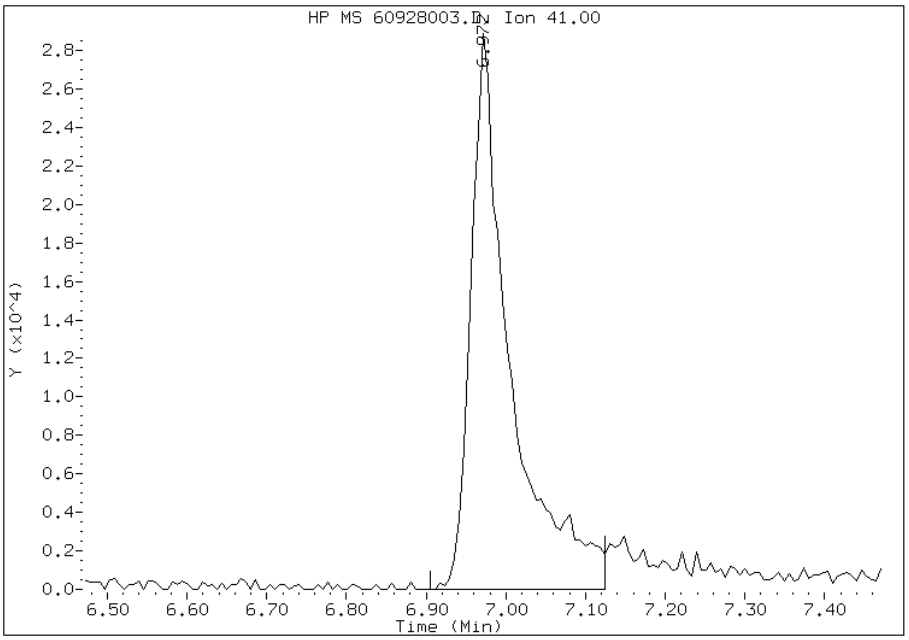
Processing Integration Results

RT: 6.97

Response: 100722

Amount: 1502

Conc: 1502



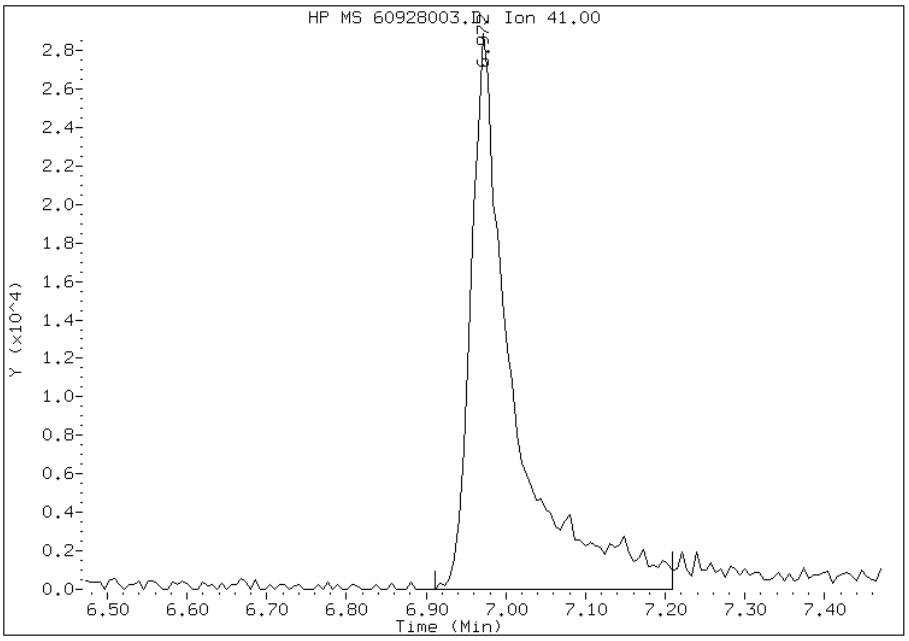
Manual Integration Results

RT: 6.97

Response: 109294

Amount: 1630

Conc: 1630



Manually Integrated By: fergusond
Modification Date: 28-Sep-2012 10:46
Manual Integration Reason: Peak Integrated Incorrectly

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: CCV 180-50119/3 Calibration Date: 09/28/2012 10:23

Instrument ID: HP6 Calib Start Date: 09/19/2012 08:39

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/19/2012 11:03

Lab File ID: 60928003.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrahydrofuran	Ave	0.0743	0.0756		10.2	10.0	1.8	50.0

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6092812d.b\60928003.D
Lab Smp Id: CCV Client Smp ID: CCV Appix
Inj Date : 28-SEP-2012 10:23
Operator : 001562 Inst ID: hp6.i
Smp Info : CCV, Appix
Misc Info : T6092812d.b,T8260bllw.m,1-appix.sub
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6092812d.b\T8260bllw.m
Meth Date : 28-Sep-2012 10:22 fergusond Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 53 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-appix.sub
Target Version: 4.14
Processing Host: PITSVR06

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 46 Fluorobenzene (IS)	96	7.306	7.306	(1.000)	490501	50.0000	
* 69 Chlorobenzene-d5	119	10.402	10.402	(1.000)	99654	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.726	12.726	(1.000)	117305	50.0000	
35 Tetrahydrofuran	42	6.320	6.320	(0.865)	37088	50.0000	50.90
11 Acrolein	56	3.272	3.272	(0.448)	38608	150.000	155.1
14 Iodomethane	142	3.601	3.601	(0.493)	164736	50.0000	51.23
22 Acrylonitrile	53	4.586	4.586	(0.628)	137013	150.000	129.0
16 3-Chloro-1-propene	76	3.972	3.972	(0.544)	53734	50.0000	39.68(Q)
26 2-Chloro-1,3-butadiene	53	5.322	5.322	(0.729)	241767	50.0000	51.87
32 Vinyl Acetate	43	5.322	5.322	(0.729)	219257	50.0000	48.73
34 Propionitrile	54	6.089	6.089	(0.833)	33877	100.000	90.55
36 Methacrylonitrile	41	6.272	6.272	(0.858)	81676	50.0000	51.75(M)
44 Isobutanol	41	6.971	6.971	(0.954)	109294	2000.00	1630(M)
51 Methyl methacrylate	41	8.078	8.078	(1.106)	107924	50.0000	54.89
52 1,4-Dioxane	88	8.090	8.090	(1.107)	197238	10000.0	8700
56 2-Chloroethyl vinyl ether	63	8.553	8.553	(1.171)	154878	100.000	107.5
179 Ethyl methacrylate	69	9.350	9.350	(0.899)	125108	50.0000	47.43
159 trans-1,4-Dichloro-2-butene	53	11.777	11.777	(0.925)	9325	50.0000	15.54

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: 60928003.D

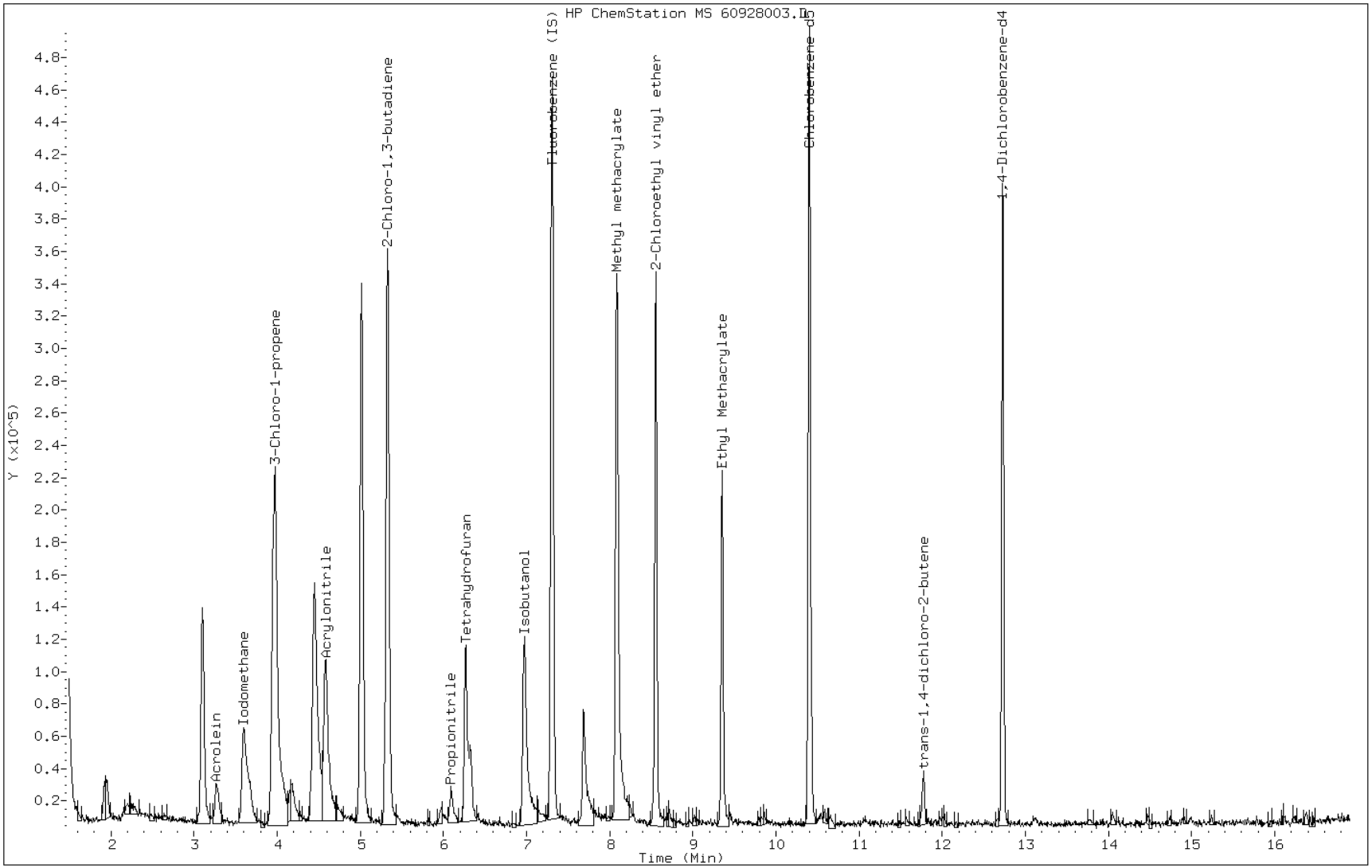
Date: 28-SEP-2012 10:23

Client ID: CCV Appix

Instrument: hp6.i

Sample Info: CCV, Appix

Operator: 001562



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: CCVIS 180-50323/2 Calibration Date: 10/01/2012 09:03

Instrument ID: HP6 Calib Start Date: 09/12/2012 14:47

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/12/2012 18:08

Lab File ID: 61001002.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2534	0.2887		11.4	10.0	13.9	50.0
Chloromethane	Ave	0.3894	0.3706	0.1000	9.52	10.0	-4.8	
Vinyl chloride	Ave	0.3061	0.3068		10.0	10.0	0.2	20.0
Bromomethane	Qua	0.1030	0.1114		11.7	10.0	17.0	
Chloroethane	Ave	0.1280	0.1693		13.2	10.0	32.3	50.0
Trichlorofluoromethane	Ave	0.3058	0.3699		12.1	10.0	21.0	50.0
1,1-Dichloroethene	Ave	0.2607	0.2734		10.5	10.0	4.9	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2431	0.2587		10.6	10.0	6.4	50.0
Acetone	Ave	0.0654	0.0948		29.0	20.0	45.1	50.0
Carbon disulfide	Ave	0.6226	0.6025		9.68	10.0	-3.2	50.0
Methyl acetate	Ave	0.2093	0.1963		9.38	10.0	-6.2	50.0
Methylene Chloride	Qua	0.3288	0.2662		9.46	10.0	-5.4	50.0
trans-1,2-Dichloroethene	Ave	0.2707	0.2624		9.69	10.0	-3.1	50.0
Methyl tert-butyl ether	Ave	0.6848	0.5407		7.90	10.0	-21.0	50.0
1,1-Dichloroethane	Ave	0.4832	0.5306	0.1000	11.0	10.0	9.8	50.0
2,2-Dichloropropane	Ave	0.2355	0.1792		7.61	10.0	-23.9	50.0
cis-1,2-Dichloroethene	Ave	0.2978	0.2756		9.25	10.0	-7.5	50.0
2-Butanone (MEK)	Ave	0.1181	0.1146		19.4	20.0	-2.9	50.0
Bromochloromethane	Ave	0.1193	0.1168		9.79	10.0	-2.1	50.0
Chloroform	Ave	0.3891	0.4111		10.6	10.0	5.7	20.0
1,1,1-Trichloroethane	Ave	0.3148	0.3075		9.77	10.0	-2.3	25.0
Cyclohexane	Ave	0.6119	0.5712		9.33	10.0	-6.7	50.0
Carbon tetrachloride	Ave	0.2447	0.2436		9.96	10.0	-0.4	25.0
1,1-Dichloropropene	Ave	0.3795	0.3800		10.0	10.0	0.1	50.0
Benzene	Ave	1.127	1.117		9.91	10.0	-0.9	25.0
1,2-Dichloroethane	Ave	0.2991	0.3342		11.2	10.0	11.7	25.0
Trichloroethene	Ave	0.2780	0.2843		10.2	10.0	2.2	25.0
Methylcyclohexane	Ave	0.4931	0.4637		9.40	10.0	-6.0	50.0
1,2-Dichloropropane	Ave	0.2663	0.2759		10.4	10.0	3.6	20.0
Dibromomethane	Ave	0.1319	0.1287		9.76	10.0	-2.4	50.0
Bromodichloromethane	Ave	0.2365	0.2448		10.3	10.0	3.5	25.0
cis-1,3-Dichloropropene	Ave	0.3378	0.2723		8.06	10.0	-19.4	25.0
4-Methyl-2-pentanone (MIBK)	Ave	1.253	1.014		16.2	20.0	-19.1	50.0
Toluene	Ave	5.343	5.027		9.49	10.0	-5.9	20.0
trans-1,3-Dichloropropene	Ave	1.309	1.016		7.76	10.0	-22.4	25.0
1,1,2-Trichloroethane	Ave	0.9285	0.8898		9.58	10.0	-4.2	25.0
Tetrachloroethene	Ave	0.8869	0.9872		11.1	10.0	11.3	25.0
1,3-Dichloropropane	Ave	1.700	1.603		9.43	10.0	-5.7	50.0
2-Hexanone	Ave	0.8801	0.7038		16.0	20.0	-20.0	50.0
Dibromochloromethane	Ave	0.6274	0.6653		10.6	10.0	6.1	25.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: CCVIS 180-50323/2 Calibration Date: 10/01/2012 09:03

Instrument ID: HP6 Calib Start Date: 09/12/2012 14:47

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/12/2012 18:08

Lab File ID: 61001002.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromoethane (EDB)	Ave	0.8744	0.8490		9.71	10.0	-2.9	50.0
3-Chlorobenzotrifluoride	Ave	1.944	2.059		10.6	10.0	5.9	50.0
Chlorobenzene	Ave	3.202	3.188	0.3000	9.96	10.0	-0.4	
4-Chlorobenzotrifluoride	Ave	1.783	1.834		10.3	10.0	2.9	50.0
1,1,1,2-Tetrachloroethane	Ave	0.8559	0.8057		9.41	10.0	-5.9	50.0
Ethylbenzene	Ave	1.913	1.834		9.59	10.0	-4.1	20.0
m-Xylene & p-Xylene	Ave	2.312	2.213		19.1	20.0	-4.3	25.0
o-Xylene	Ave	2.271	2.113		9.31	10.0	-6.9	25.0
Styrene	Ave	3.522	3.361		9.54	10.0	-4.6	25.0
Bromoform	Ave	0.3317	0.3641	0.1000	11.0	10.0	9.8	
2-Chlorobenzotrifluoride	Ave	1.747	1.841		10.5	10.0	5.3	50.0
Isopropylbenzene	Ave	5.355	5.349		9.99	10.0	-0.1	50.0
1,1,2,2-Tetrachloroethane	Ave	0.9623	0.8280	0.3000	8.60	10.0	-14.0	
Bromobenzene	Ave	0.9145	0.8259		9.03	10.0	-9.7	50.0
1,2,3-Trichloropropane	Ave	0.2985	0.2669		8.94	10.0	-10.6	50.0
N-Propylbenzene	Ave	1.254	1.073		8.56	10.0	-14.4	50.0
2-Chlorotoluene	Ave	1.024	0.9192		8.98	10.0	-10.2	50.0
3-Chlorotoluene	Ave	1.075	1.006		9.36	10.0	-6.4	50.0
1,3,5-Trimethylbenzene	Ave	3.240	2.837		8.76	10.0	-12.4	50.0
4-Chlorotoluene	Ave	1.110	0.9498		8.56	10.0	-14.4	50.0
tert-Butylbenzene	Ave	2.837	2.412		8.50	10.0	-15.0	50.0
1,2,4-Trimethylbenzene	Ave	3.172	2.810		8.86	10.0	-11.4	50.0
3,4-Dichlorobenzotrifluoride	Ave	0.8649	0.8707		10.1	10.0	0.7	50.0
sec-Butylbenzene	Ave	3.854	3.432		8.91	10.0	-10.9	50.0
1,3-Dichlorobenzene	Ave	1.618	1.560		9.64	10.0	-3.6	25.0
4-Isopropyltoluene	Ave	3.124	2.902		9.29	10.0	-7.1	50.0
1,4-Dichlorobenzene	Ave	1.672	1.595		9.54	10.0	-4.6	25.0
2,4-Dichlorobenzotrifluoride	Ave	0.7204	0.7612		10.6	10.0	5.7	50.0
2,5-Dichlorobenzotrifluoride	Ave	0.8328	0.9139		11.0	10.0	9.7	50.0
n-Butylbenzene	Ave	2.536	2.353		9.28	10.0	-7.2	50.0
1,2-Dichlorobenzene	Ave	1.460	1.421		9.73	10.0	-2.7	25.0
1,2-Dibromo-3-Chloropropane	Ave	0.1118	0.1036		9.27	10.0	-7.3	50.0
2,4- & 2,5- & 2,6-Dichlorotoluene	Ave	0.9691	1.028		31.8	30.0	6.1	
1,3,5-Trichlorobenzene	Ave	0.7670	0.8604		11.2	10.0	12.2	50.0
2,3- & 3,4- Dichlorotoluene	Ave	0.9274	1.025		22.1	20.0	10.5	
1,2,4-Trichlorobenzene	Ave	0.6546	0.6981		10.7	10.0	6.6	50.0
Hexachlorobutadiene	Ave	0.2324	0.2956		12.7	10.0	27.2	50.0
Naphthalene	Ave	1.917	1.801		9.39	10.0	-6.1	50.0
1,2,3-Trichlorobenzene	Ave	0.5247	0.5503		10.5	10.0	4.9	50.0
2,4,5-Trichlorotoluene	Ave	0.2577	0.2266		8.79	10.0	-12.1	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: CCVIS 180-50323/2 Calibration Date: 10/01/2012 09:03

Instrument ID: HP6 Calib Start Date: 09/12/2012 14:47

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/12/2012 18:08

Lab File ID: 61001002.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,3,6-Trichlorotoluene	Ave	0.2011	0.1807		8.99	10.0	-10.1	50.0
Dibromofluoromethane (Surr)	Ave	0.2016	0.2057		10.2	10.0	2.0	
1,2-Dichloroethane-d4 (Surr)	Ave	0.2247	0.2575		11.5	10.0	14.6	
Toluene-d8 (Surr)	Ave	4.552	4.143		9.14	10.0	-9.0	
4-Bromofluorobenzene (Surr)	Ave	1.447	1.371		9.48	10.0	-5.2	25.0

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6100112d.b\61001002.D
Lab Smp Id: CCVIS Client Smp ID: CCVIS 10
Inj Date : 01-OCT-2012 09:03
Operator : 001562 Inst ID: hp6.i
Smp Info : CCVIS
Misc Info : T6100112d.b,T8260bllw.m,1-dwh2o.sub
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6100112d.b\T8260bllw.m
Meth Date : 01-Oct-2012 12:01 hp6.i Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 52 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-dwh2o.sub
Target Version: 4.14
Processing Host: PITPC-002

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 46 Fluorobenzene (IS)	96	7.303	7.303	(1.000)	463951	50.0000	
* 69 Chlorobenzene-d5	119	10.399	10.399	(1.000)	105391	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.729	12.729	(1.000)	148180	50.0000	(Q)
$ 39 Dibromofluoromethane (Surr)	113	6.554	6.554	(0.898)	95440	50.0000	51.02
$ 43 1,2-Dichloroethane-d4	65	6.926	6.926	(0.948)	119483	50.0000	57.32
$ 59 Toluene-d8	98	8.957	8.957	(0.861)	436680	50.0000	45.72
$ 80 Bromofluorobenzene (Surr)	95	11.573	11.573	(1.113)	144507	50.0000	47.38
1 Dichlorodifluoromethane	85	1.590	1.590	(0.218)	133953	50.0000	56.97
2 Chloromethane	50	1.755	1.755	(0.240)	171955	50.0000	47.59
3 Vinyl Chloride	62	1.888	1.888	(0.259)	142316	50.0000	50.10
4 Bromomethane	94	2.253	2.253	(0.309)	51667	50.0000	58.50
5 Chloroethane	64	2.387	2.387	(0.327)	78558	50.0000	66.14
6 Trichlorofluoromethane	101	2.716	2.716	(0.372)	171633	50.0000	60.49
10 1,1,2-trichloro-1,2,2-trifluor	101	3.434	3.434	(0.470)	120013	50.0000	53.21
12 1,1-Dichloroethene	96	3.391	3.391	(0.464)	126823	50.0000	52.43
15 Carbon Disulfide	76	3.671	3.671	(0.503)	279519	50.0000	48.38
13 Acetone	43	3.507	3.507	(0.480)	87994	100.000	145.0(M)
18 Methylene Chloride	84	4.164	4.164	(0.570)	123508	50.0000	47.29
19 trans-1,2-Dichloroethene	96	4.590	4.590	(0.628)	121746	50.0000	48.46
20 Methyl tert-butyl ether	73	4.608	4.608	(0.631)	250854	50.0000	39.48
24 1,1-Dichloroethane	63	5.192	5.192	(0.711)	246184	50.0000	54.91
27 2,2-Dichloropropane	77	5.952	5.952	(0.815)	83153	50.0000	38.06
28 cis-1,2-dichloroethene	96	5.964	5.964	(0.817)	127870	50.0000	46.27
M 29 1,2-Dichloroethene (total)	96				249616	100.000	94.74
30 Bromochloromethane	128	6.250	6.250	(0.856)	54188	50.0000	48.94
31 2-Butanone	43	6.007	6.007	(0.823)	106343	100.000	97.08
37 Chloroform	83	6.372	6.372	(0.873)	190745	50.0000	52.84
38 1,1,1-Trichloroethane	97	6.554	6.554	(0.898)	142655	50.0000	48.84

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
40 1,1-Dichloropropene	75	6.755	6.755	(0.925)	176321	50.0000	50.07
41 Carbon Tetrachloride	117	6.749	6.749	(0.924)	113032	50.0000	49.79
42 Benzene	78	6.986	6.986	(0.957)	518165	50.0000	49.56
45 1,2-Dichloroethane	62	7.017	7.017	(0.961)	155058	50.0000	55.87
47 Trichloroethene	130	7.704	7.704	(1.055)	131897	50.0000	51.12
49 1,2-Dichloropropane	63	7.935	7.935	(1.087)	127982	50.0000	51.79
50 Dibromomethane	93	8.057	8.057	(1.103)	59719	50.0000	48.81
53 Bromodichloromethane	83	8.227	8.227	(1.127)	113571	50.0000	51.75
57 cis-1,3-Dichloropropene	75	8.690	8.690	(1.190)	126309	50.0000	40.30
58 4-Methyl-2-Pentanone	43	8.854	8.854	(0.851)	213691	100.000	80.90
60 Toluene	91	9.024	9.024	(0.868)	529848	50.0000	47.44
61 trans-1,3-Dichloropropene	75	9.256	9.256	(0.890)	107045	50.0000	38.80
63 1,3-Dichloropropane	76	9.602	9.602	(0.923)	168973	50.0000	47.15
64 1,1,2-Trichloroethane	97	9.438	9.438	(0.908)	93778	50.0000	47.92
65 Tetrachloroethene	164	9.572	9.572	(0.920)	104037	50.0000	55.65
66 2-Hexanone	43	9.694	9.694	(0.932)	148339	100.000	79.97
67 Dibromochloromethane	129	9.827	9.827	(0.945)	70120	50.0000	53.02
68 1,2-Dibromoethane	107	9.943	9.943	(0.956)	89474	50.0000	48.54
70 Chlorobenzene	112	10.430	10.430	(1.003)	336010	50.0000	49.79
71 1,1,1,2-Tetrachloroethane	131	10.515	10.515	(1.011)	84918	50.0000	47.07
72 Ethylbenzene	106	10.539	10.539	(1.013)	193285	50.0000	47.93
73 m + p-Xylene	106	10.655	10.655	(1.025)	466545	100.000	95.72
74 Xylene-o	106	11.050	11.050	(1.063)	222667	50.0000	46.52
M 75 Xylenes (total)	106				689212	150.000	142.2
76 Styrene	104	11.062	11.062	(1.064)	354205	50.0000	47.71
77 Bromoform	173	11.251	11.251	(1.082)	38369	50.0000	54.88
78 Isopropylbenzene	105	11.421	11.421	(1.098)	563764	50.0000	49.95
79 Bromobenzene	156	11.725	11.725	(0.921)	122379	50.0000	45.15
81 n-Propylbenzene	120	11.829	11.829	(0.929)	158961	50.0000	42.79
82 2-Chlorotoluene	126	11.920	11.920	(0.936)	136200	50.0000	44.88
83 1,1,2,2-Tetrachloroethane	83	11.719	11.719	(0.921)	122689	50.0000	43.02
84 1,2,3-Trichloropropane	110	11.762	11.762	(0.924)	39549	50.0000	44.70
85 4-Chlorotoluene	126	12.030	12.030	(0.945)	140747	50.0000	42.78
86 1,3,5-Trimethylbenzene	105	12.005	12.005	(0.943)	420325	50.0000	43.78
87 tert-Butylbenzene	119	12.334	12.334	(0.969)	357475	50.0000	42.52
88 1,2,4-Trimethylbenzene	105	12.376	12.376	(0.972)	416339	50.0000	44.29
89 sec-Butylbenzene	105	12.553	12.553	(0.986)	508607	50.0000	44.53
90 4-Isopropyltoluene	119	12.693	12.693	(0.997)	430065	50.0000	46.45
91 1,3-Dichlorobenzene	146	12.662	12.662	(0.995)	231170	50.0000	48.22
93 1,4-Dichlorobenzene	146	12.754	12.754	(1.002)	236316	50.0000	47.70
94 n-Butylbenzene	91	13.106	13.106	(1.030)	348649	50.0000	46.38
95 1,2-Dichlorobenzene	146	13.125	13.125	(1.031)	210499	50.0000	48.64
96 1,2-Dibromo-3-chloropropane	157	13.915	13.915	(1.093)	15356	50.0000	46.34
97 1,2,4-Trichlorobenzene	180	14.743	14.743	(1.158)	103439	50.0000	53.32
98 Hexachlorobutadiene	225	14.907	14.907	(1.171)	43794	50.0000	63.59
99 Naphthalene	128	14.992	14.992	(1.178)	266869	50.0000	46.97
100 1,2,3-Trichlorobenzene	180	15.242	15.242	(1.197)	81545	50.0000	52.44
156 Methyl Acetate	43	4.030	4.030	(0.552)	91069	50.0000	46.88
157 Cyclohexane	56	6.615	6.615	(0.906)	264990	50.0000	46.67
158 Methyl Cyclohexane	83	7.893	7.893	(1.081)	215140	50.0000	47.02
160 1,3,5-Trichlorobenzene	180	14.116	14.116	(1.109)	127486	50.0000	56.08
168 3-Chlorobenzotrifluoride	180	10.411	10.411	(1.001)	217018	50.0000	52.96
169 4-Chlorobenzotrifluoride	180	10.460	10.460	(1.006)	193288	50.0000	51.43
170 2-Chlorobenzotrifluoride	180	11.312	11.312	(1.088)	193972	50.0000	52.67

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
171 3-Chlorotoluene	126	11.975	11.975	(0.941)	149121	50.0000	46.80
172 3,4-Dichlorobenzotrifluoride	214	12.443	12.443	(0.978)	129022	50.0000	50.33
173 2,4-Dichlorobenzotrifluoride	214	12.802	12.802	(1.006)	112790	50.0000	52.83
174 2,5-Dichlorobenzotrifluoride	214	12.851	12.851	(1.010)	135424	50.0000	54.87
175 Dichlorotoluene(2,4/2,5/2,6)	125	14.049	14.049	(1.104)	457129	150.000	159.2
176 Dichlorotoluene(2,3/3,4)	125	14.475	14.475	(1.137)	303670	100.000	110.5
177 2,4,5-Trichlorotoluene	159	16.112	16.112	(1.266)	33577	50.0000	43.96
178 2,3,6-Trichlorotoluene	159	16.239	16.239	(1.276)	26781	50.0000	44.93

QC Flag Legend

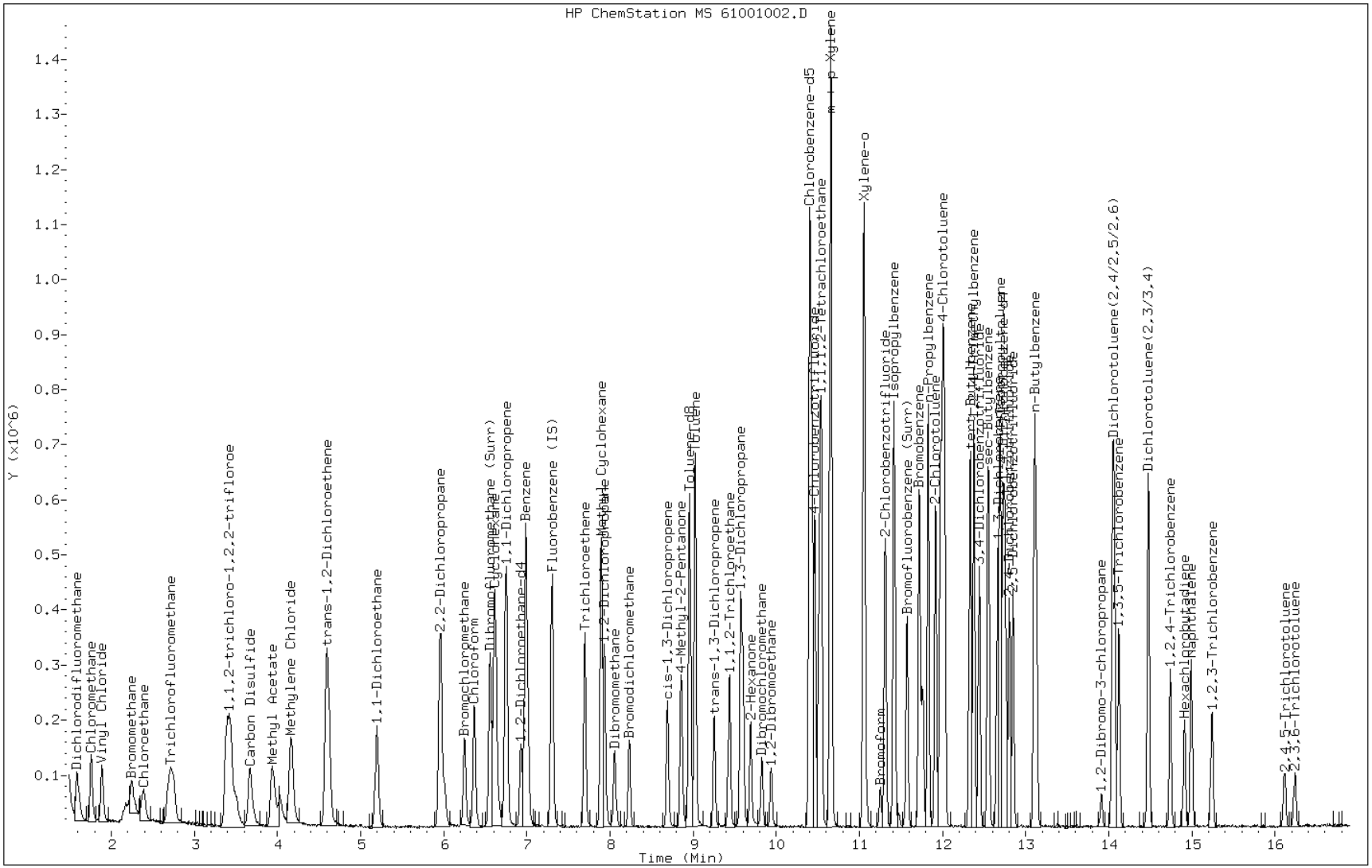
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: 61001002.D

Date: 01-OCT-2012 09:03

Client ID: CCVIS 10 Instrument: hp6.i

Sample Info: CCVIS Operator: 001562



Manual Integration Report

Data File: 61001002.D
Inj. Date and Time: 01-OCT-2012 09:03
Instrument ID: hp6.i
Client ID: CCVIS 10
Compound: 13 Acetone
CAS #: 67-64-1
Report Date: 10/01/2012

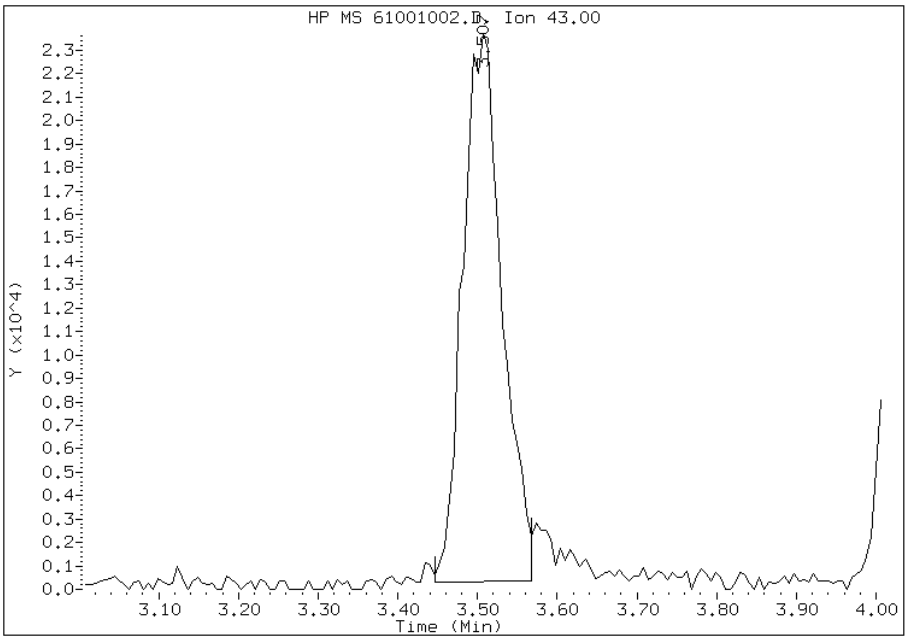
Processing Integration Results

RT: 3.51

Response: 81136

Amount: 134

Conc: 134



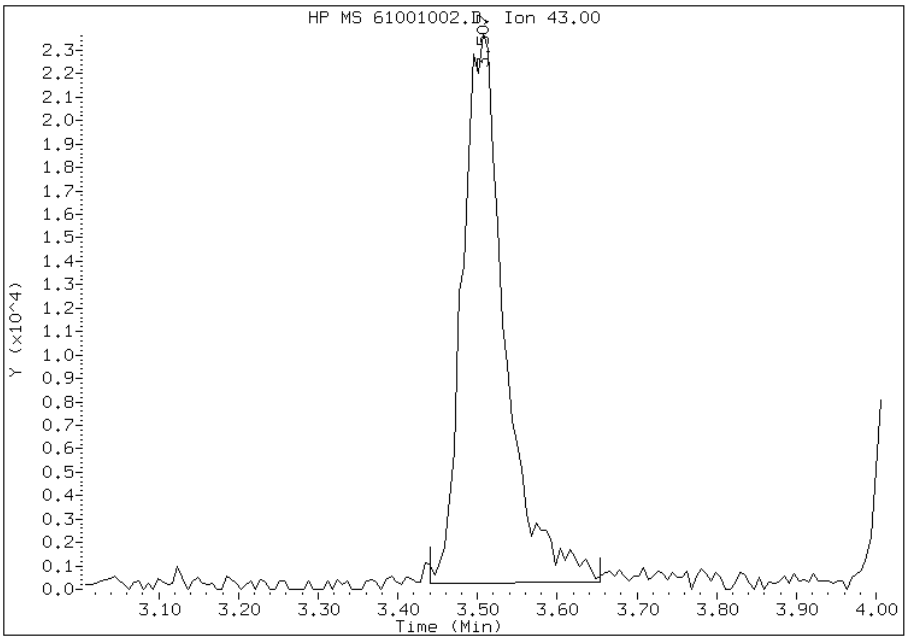
Manual Integration Results

RT: 3.51

Response: 87994

Amount: 145

Conc: 145



Manually Integrated By: fergusond
Modification Date: 01-Oct-2012 09:25
Manual Integration Reason: Peak Integrated Incorrectly

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: CCV 180-50323/3 Calibration Date: 10/01/2012 09:29

Instrument ID: HP6 Calib Start Date: 09/13/2012 09:45

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/13/2012 12:57

Lab File ID: 61001003.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Vinyl acetate	Ave	0.4587	0.4170		9.09	10.0	-9.1	50.0

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6100112d.b\61001003.D
Lab Smp Id: CCV Client Smp ID: CCV Appix
Inj Date : 01-OCT-2012 09:29
Operator : 001562 Inst ID: hp6.i
Smp Info : CCV, Appix
Misc Info : T6100112d.b,T8260bllw.m,1-va.sub
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6100112d.b\T8260bllw.m
Meth Date : 01-Oct-2012 12:00 hp6.i Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 53 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-va.sub
Target Version: 4.14

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 46 Fluorobenzene (IS)	96	7.303	7.303	(1.000)	462059	50.0000	
* 69 Chlorobenzene-d5	119	10.405	10.405	(1.000)	96271	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.729	12.729	(1.000)	122940	50.0000	
32 Vinyl Acetate	43	5.313	5.313	(0.728)	192660	50.0000	45.45

Data File: 61001003.D

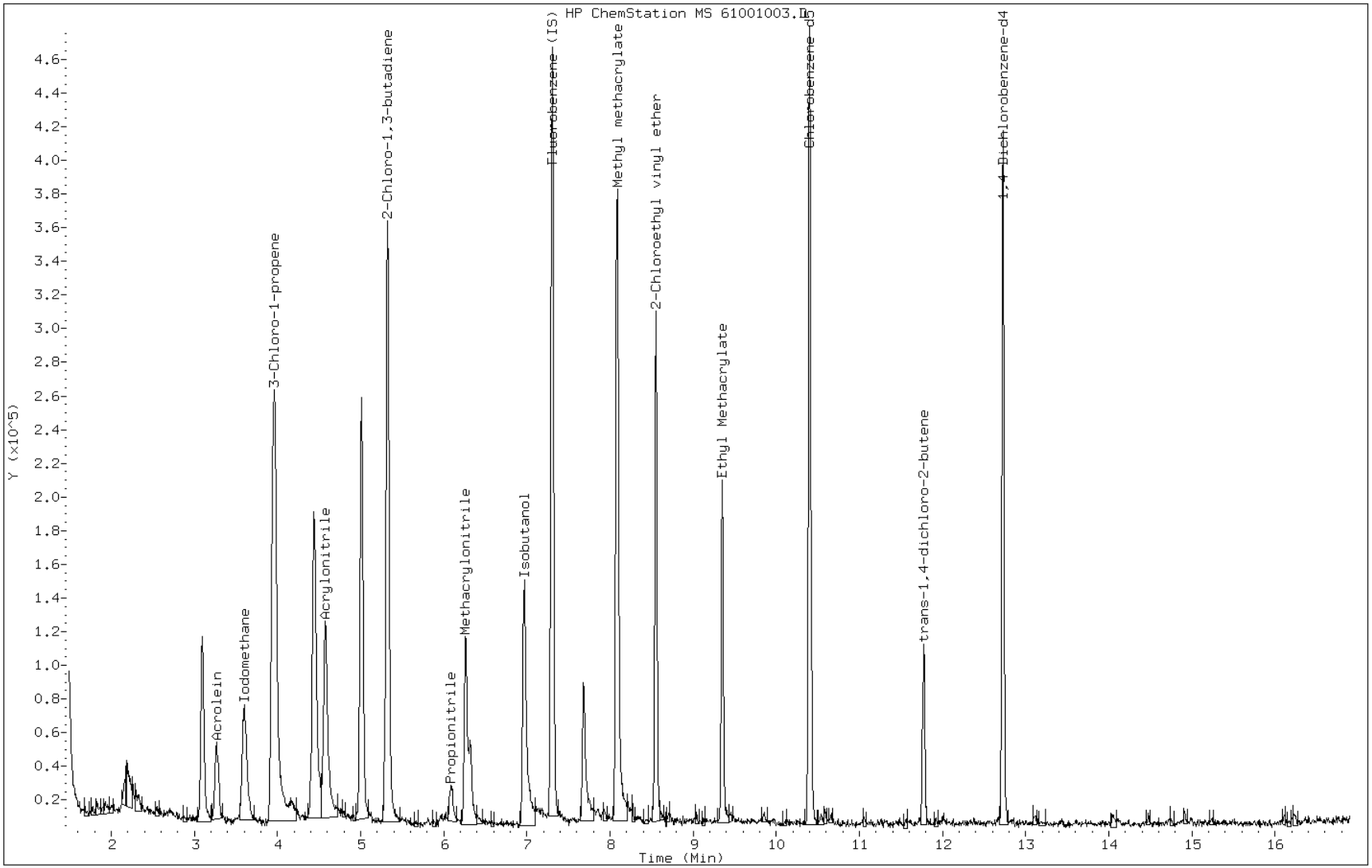
Date: 01-OCT-2012 09:29

Client ID: CCV Appix

Instrument: hp6.i

Sample Info: CCV, Appix

Operator: 001562



TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\hp6.i\T6091212d.b\60912007.D
Lab Smp Id: BFB Client Smp ID: 31019D
Inj Date : 12-SEP-2012 13:35
Operator : 001562 Inst ID: hp6.i
Smp Info : BFB
Misc Info : T6091212d.b,TBFBbllw.m,
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6091212d.b\TBFBbllw.m
Meth Date : 02-May-2012 17:11 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 57 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITSVR06

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
8.372	8.473	-0.101	95	75239			100.00- 100.00	100.00(a)
8.372	8.473	-0.101	50	16120			15.00- 40.00	21.43
8.372	8.473	-0.101	75	34424			30.00- 60.00	45.75
8.372	8.473	-0.101	96	6232			5.00- 9.00	8.28
8.372	8.473	-0.101	173	0	0.0	0.0	0.00- 2.00	0.00
8.372	8.473	-0.101	174	55129			50.00- 100.00	73.27
8.372	8.473	-0.101	175	4030			5.00- 9.00	7.31
8.372	8.473	-0.101	176	55048			95.00- 101.00	99.85
8.372	8.473	-0.101	177	3873			5.00- 9.00	7.04

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: 60912007.D

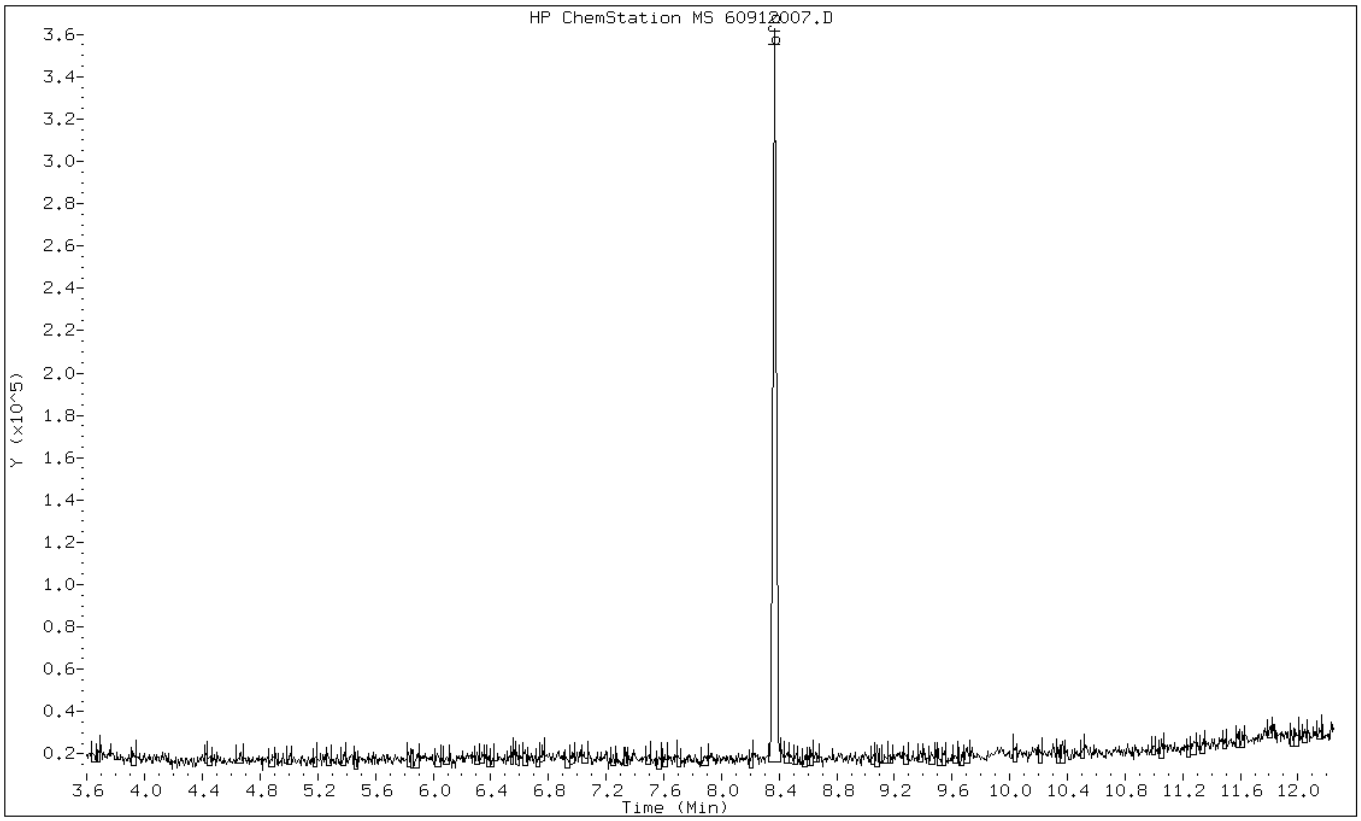
Date: 12-SEP-2012 13:35

Client ID: 31019D

Instrument: hp6.i

Sample Info: BFB

Operator: 001562



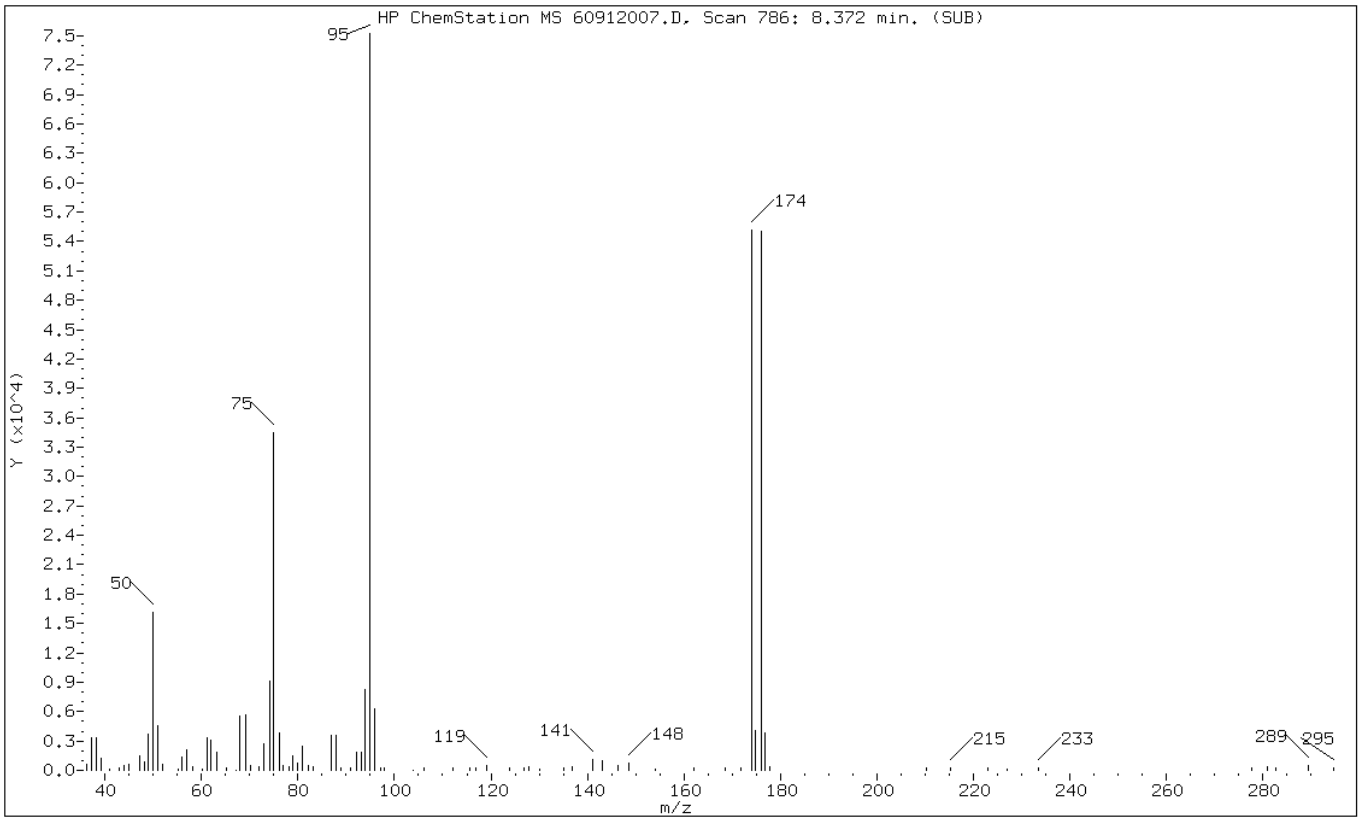
Data File: 60912007.D

Date: 12-SEP-2012 13:35

Client ID: 31019D Instrument: hp6.i

Sample Info: BFB Operator: 001562

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.43
75	30.00 - 60.00% of mass 95	45.75
96	5.00 - 9.00% of mass 95	8.28
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	73.27
175	5.00 - 9.00% of mass 174	5.36 (7.31)
176	95.00 - 101.00% of mass 174	73.16 (99.85)
177	5.00 - 9.00% of mass 176	5.15 (7.04)

Data File: 60912007.D

Date: 12-SEP-2012 13:35

Client ID: 31019D Instrument: hp6.i

Sample Info: BFB Operator: 001562

Data File: \\pitsvr06\d\chem\hp6.i\T6091212d.b\60912007.D
Spectrum: HP ChemStation MS 60912007.D, Scan 786: 8.372 min. (SUB)
Location of Maximum: 95.00
Number of points: 85

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.20	654	65.20	291	93.10	1798	154.20	138
37.10	3288	67.10	56	94.00	8311	162.20	302
38.10	3316	68.00	5599	95.00	75232	168.60	234
39.10	1228	69.10	5680	96.00	6232	171.80	262
41.00	107	70.20	434	97.20	284	174.00	55128
43.00	251	72.00	397	97.80	226	174.90	4030
44.00	494	73.00	2654	104.00	39	176.00	55048
45.00	572	74.10	9126	106.20	266	176.90	3873
47.20	1502	75.00	34424	112.10	245	177.90	404
48.20	802	76.10	3832	115.50	233	210.20	229
49.00	3697	76.90	494	116.80	237	215.40	240
50.00	16120	78.10	357	119.10	487	223.00	218
51.00	4508	78.90	1521	123.90	293	226.90	131
52.00	564	79.90	779	126.90	240	233.60	266
55.10	97	80.90	2467	127.90	377	277.70	207
56.00	1336	82.10	457	130.10	156	280.90	422
57.00	2119	83.10	367	135.10	272	282.60	215
58.10	328	87.00	3601	136.90	372	289.40	451
60.10	72	88.00	3537	141.00	1082	294.70	264
61.10	3293	89.00	207	143.00	930		
62.00	3020	91.00	206	146.40	441		
63.10	1880	92.10	1859	148.60	721		

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\hp6.i\T6091312d.b\60913002.D
Lab Smp Id: BFB Client Smp ID: 31019D
Inj Date : 13-SEP-2012 08:04
Operator : 001562 Inst ID: hp6.i
Smp Info : BFB
Misc Info : T6091312d.b,TBFB624.m,
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6091312d.b\TBFB624.m
Meth Date : 04-May-2012 22:10 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 52 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITSVR06

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
8.374	8.473	-0.099	95	52744			100.00- 100.00	100.00
8.374	8.473	-0.099	50	12119			15.00- 40.00	22.98
8.374	8.473	-0.099	75	23440			30.00- 60.00	44.44
8.374	8.473	-0.099	96	3480			5.00- 9.00	6.60
8.374	8.473	-0.099	173	140			0.00- 2.00	0.36
8.374	8.473	-0.099	174	39200			50.00- 100.00	74.32
8.374	8.473	-0.099	175	2547			5.00- 9.00	6.50
8.374	8.473	-0.099	176	38752			95.00- 101.00	98.86
8.374	8.473	-0.099	177	3108			5.00- 9.00	8.02

Data File: 60913002.D

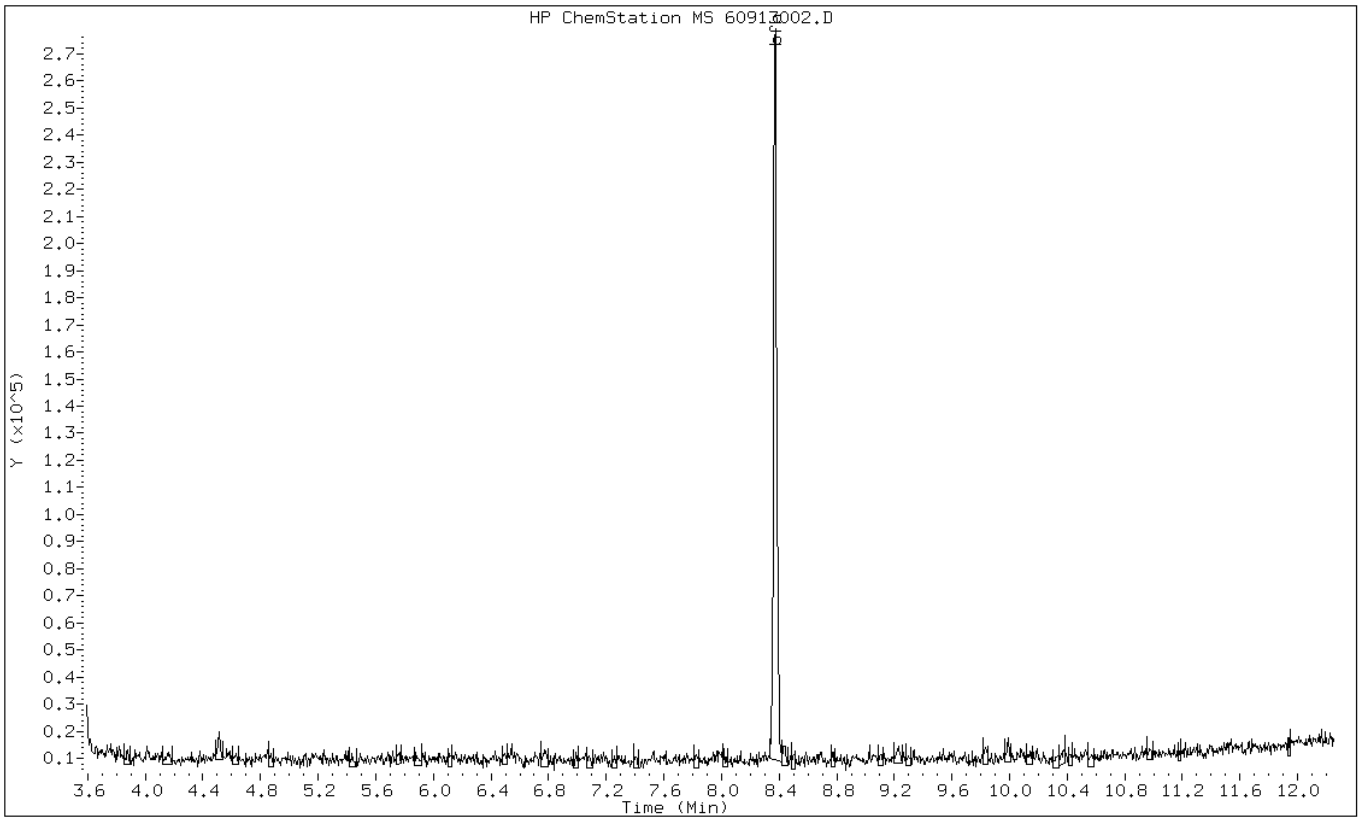
Date: 13-SEP-2012 08:04

Client ID: 31019D

Instrument: hp6.i

Sample Info: BFB

Operator: 001562



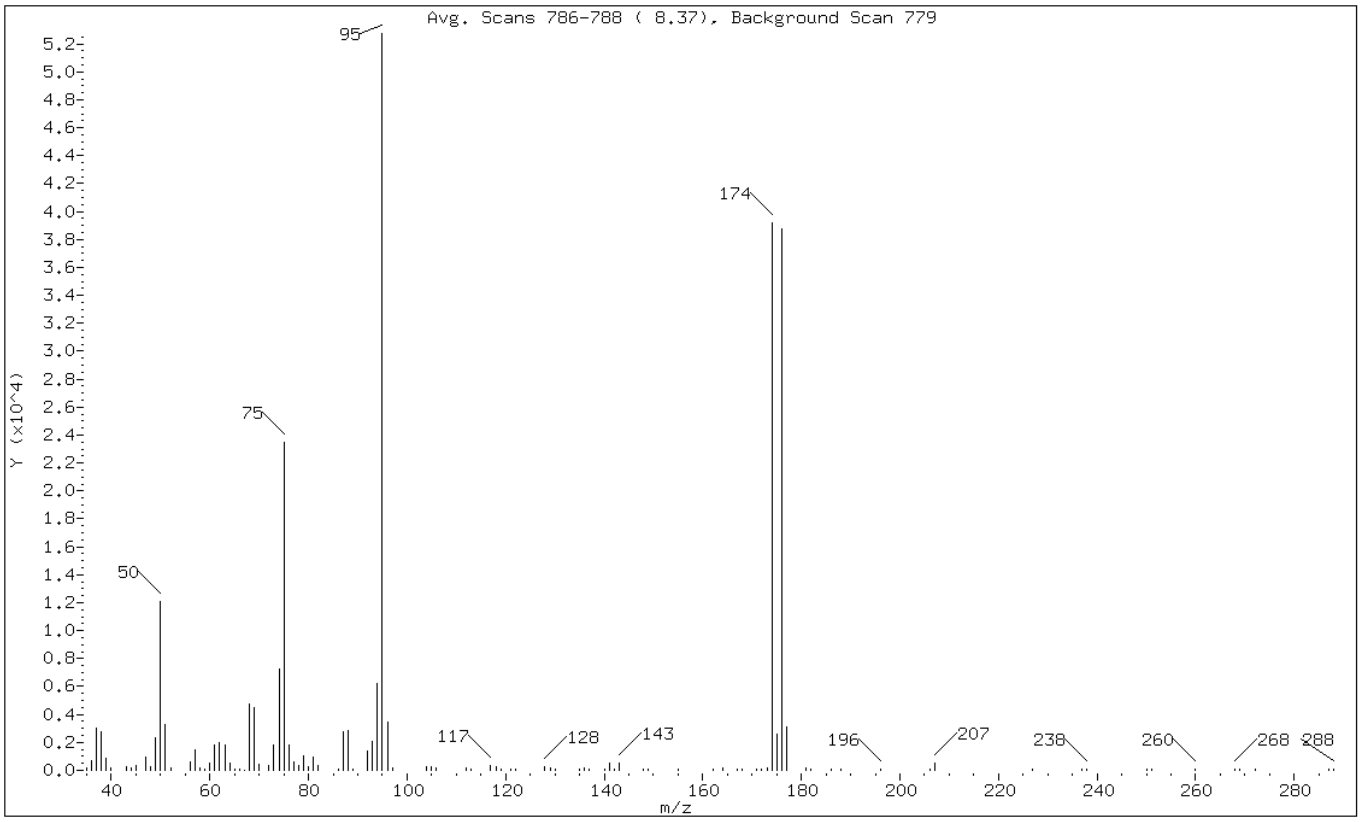
Data File: 60913002.D

Date: 13-SEP-2012 08:04

Client ID: 31019D Instrument: hp6.i

Sample Info: BFB Operator: 001562

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.98
75	30.00 - 60.00% of mass 95	44.44
96	5.00 - 9.00% of mass 95	6.60
173	Less than 2.00% of mass 174	0.27 (0.36)
174	50.00 - 100.00% of mass 95	74.32
175	5.00 - 9.00% of mass 174	4.83 (6.50)
176	95.00 - 101.00% of mass 174	73.47 (98.86)
177	5.00 - 9.00% of mass 176	5.89 (8.02)

Data File: 60913002.D

Date: 13-SEP-2012 08:04

Client ID: 31019D Instrument: hp6.i

Sample Info: BFB Operator: 001562

Data File: \\pitsvr06\d\chem\hp6.i\T6091312d8.b\60913002.D
Spectrum: Avg. Scans 786-788 (8.37), Background Scan 779
Location of Maximum: 95.00
Number of points: 103

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	147	67.00	22	105.00	248	171.00	67
36.00	662	68.00	4747	106.00	156	172.00	78
37.00	3037	69.00	4468	112.00	150	173.00	140
38.00	2785	70.00	442	113.00	76	174.00	39200
39.00	865	72.00	333	117.00	304	175.00	2547
40.00	134	73.00	1823	118.00	275	176.00	38752
43.00	251	74.00	7223	119.00	98	177.00	3108
44.00	178	75.00	23440	121.00	74	181.00	153
45.00	333	76.00	1811	122.00	87	182.00	72
47.00	938	77.00	573	128.00	262	186.00	69
48.00	298	78.00	336	129.00	186	188.00	70
49.00	2364	79.00	1076	130.00	107	196.00	71
50.00	12119	80.00	244	135.00	107	206.00	86
51.00	3283	81.00	991	136.00	176	207.00	556
52.00	196	82.00	328	137.00	98	227.00	67
56.00	562	86.00	89	140.00	88	237.00	68
57.00	1501	87.00	2802	141.00	512	238.00	71
58.00	140	88.00	2854	142.00	104	250.00	75
59.00	74	89.00	112	143.00	530	251.00	79
60.00	551	92.00	1366	148.00	82	260.00	83
61.00	1830	93.00	2063	149.00	88	268.00	91
62.00	1945	94.00	6231	155.00	92	269.00	86
63.00	1780	95.00	52744	162.00	92	272.00	68
64.00	488	96.00	3480	164.00	163	287.00	68
65.00	85	97.00	199	167.00	87	288.00	86
66.00	67	104.00	268	168.00	90		

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\hp6.i\T6091912d.b\60919003.D
Lab Smp Id: BFB Client Smp ID: 31019D
Inj Date : 19-SEP-2012 08:00
Operator : 001562 Inst ID: hp6.i
Smp Info : BFB
Misc Info : T6091912d.b,TBFBbllw.m,
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6091912d.b\TBFBbllw.m
Meth Date : 12-Sep-2012 21:09 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 53 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITSVR06

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
8.371	8.372	-0.001	95	52224			100.00- 100.00	100.00
8.371	8.372	-0.001	50	10125			15.00- 40.00	19.39
8.371	8.372	-0.001	75	24208			30.00- 60.00	46.35
8.371	8.372	-0.001	96	4155			5.00- 9.00	7.96
8.371	8.372	-0.001	173	165			0.00- 2.00	0.39
8.371	8.372	-0.001	174	42696			50.00- 100.00	81.76
8.371	8.372	-0.001	175	2618			5.00- 9.00	6.13
8.371	8.372	-0.001	176	41520			95.00- 101.00	97.25
8.371	8.372	-0.001	177	2907			5.00- 9.00	7.00

Data File: 60919003.D

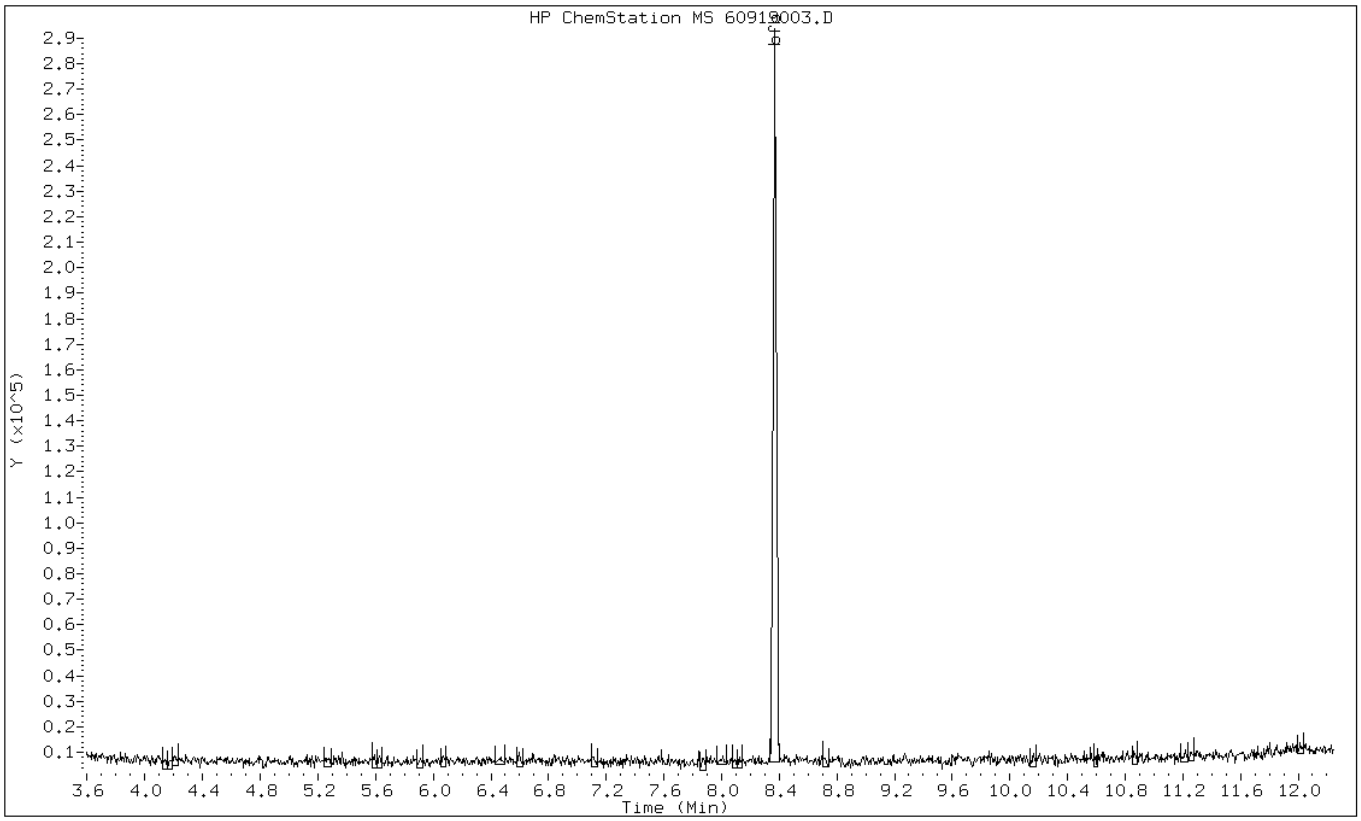
Date: 19-SEP-2012 08:00

Client ID: 31019D

Instrument: hp6.i

Sample Info: BFB

Operator: 001562



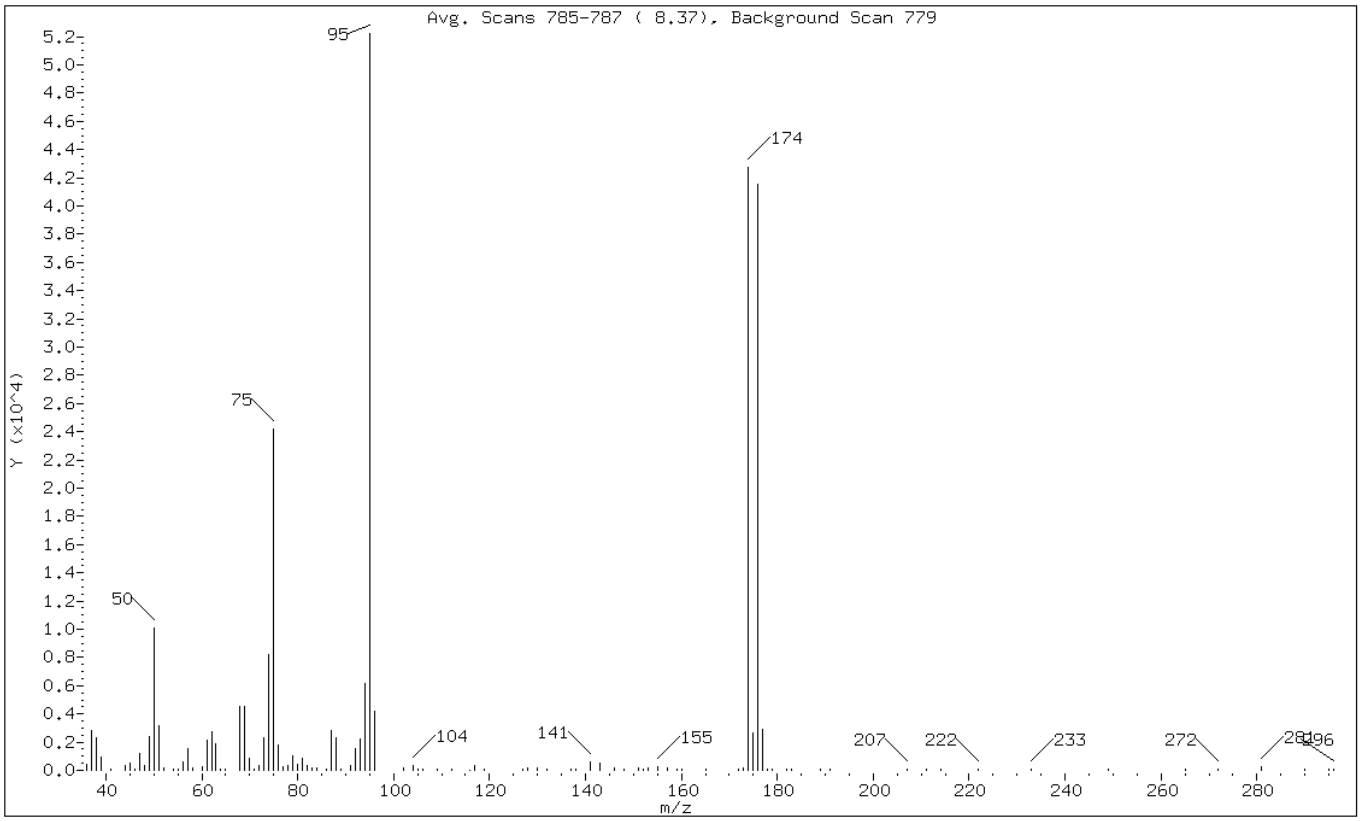
Data File: 60919003.D

Date: 19-SEP-2012 08:00

Client ID: 31019D Instrument: hp6.i

Sample Info: BFB Operator: 001562

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.39
75	30.00 - 60.00% of mass 95	46.35
96	5.00 - 9.00% of mass 95	7.96
173	Less than 2.00% of mass 174	0.32 (0.39)
174	50.00 - 100.00% of mass 95	81.76
175	5.00 - 9.00% of mass 174	5.01 (6.13)
176	95.00 - 101.00% of mass 174	79.50 (97.25)
177	5.00 - 9.00% of mass 176	5.57 (7.00)

Data File: 60919003.D

Date: 19-SEP-2012 08:00

Client ID: 31019D Instrument: hp6.i

Sample Info: BFB Operator: 001562

Data File: \\pitsvr06\d\chem\hp6.i\T6091912d.b\60919003.D
Spectrum: Avg. Scans 785-787 (8.37), Background Scan 779
Location of Maximum: 95.00
Number of points: 103

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	453	69.00	4491	102.00	149	165.00	112
37.00	2791	70.00	844	104.00	363	172.00	121
38.00	2327	71.00	68	105.00	101	173.00	165
39.00	925	72.00	326	106.00	56	174.00	42696
41.00	71	73.00	2309	109.00	104	175.00	2618
44.00	361	74.00	8245	112.00	79	176.00	41520
45.00	482	75.00	24208	116.00	35	177.00	2907
46.00	96	76.00	1766	117.00	338	178.00	79
47.00	1169	77.00	293	119.00	118	179.00	79
48.00	318	78.00	338	127.00	69	182.00	81
49.00	2376	79.00	1040	128.00	179	183.00	80
50.00	10125	80.00	449	130.00	188	189.00	69
51.00	3143	81.00	829	132.00	71	191.00	71
52.00	138	82.00	310	137.00	120	207.00	94
54.00	77	83.00	145	138.00	75	211.00	78
55.00	69	84.00	168	141.00	603	214.00	91
56.00	630	86.00	128	143.00	480	222.00	99
57.00	1533	87.00	2800	146.00	133	233.00	92
58.00	185	88.00	2308	148.00	117	249.00	71
60.00	215	89.00	93	151.00	179	265.00	74
61.00	2118	91.00	309	152.00	106	272.00	122
62.00	2708	92.00	1511	153.00	143	281.00	216
63.00	1923	93.00	2229	155.00	278	290.00	78
64.00	85	94.00	6174	157.00	177	295.00	77
65.00	103	95.00	52224	159.00	72	296.00	67
68.00	4507	96.00	4155	160.00	72		

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\hp6.i\T6092812d.b\60928001.D
Lab Smp Id: BFB Client Smp ID: 31019D
Inj Date : 28-SEP-2012 09:20
Operator : 001562 Inst ID: hp6.i
Smp Info : BFB
Misc Info : T6092812d.b,TBFBbllw.m,
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6092812d.b\TBFBbllw.m
Meth Date : 12-Sep-2012 21:09 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 51 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITSVR06

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
8.374	8.372	0.002	95	44656			100.00- 100.00	100.00
8.374	8.372	0.002	50	10580			15.00- 40.00	23.69
8.374	8.372	0.002	75	20032			30.00- 60.00	44.86
8.374	8.372	0.002	96	2745			5.00- 9.00	6.15
8.374	8.372	0.002	173	375			0.00- 2.00	1.01
8.374	8.372	0.002	174	37256			50.00- 100.00	83.43
8.374	8.372	0.002	175	2759			5.00- 9.00	7.41
8.374	8.372	0.002	176	36040			95.00- 101.00	96.74
8.374	8.372	0.002	177	2208			5.00- 9.00	6.13

Data File: 60928001.D

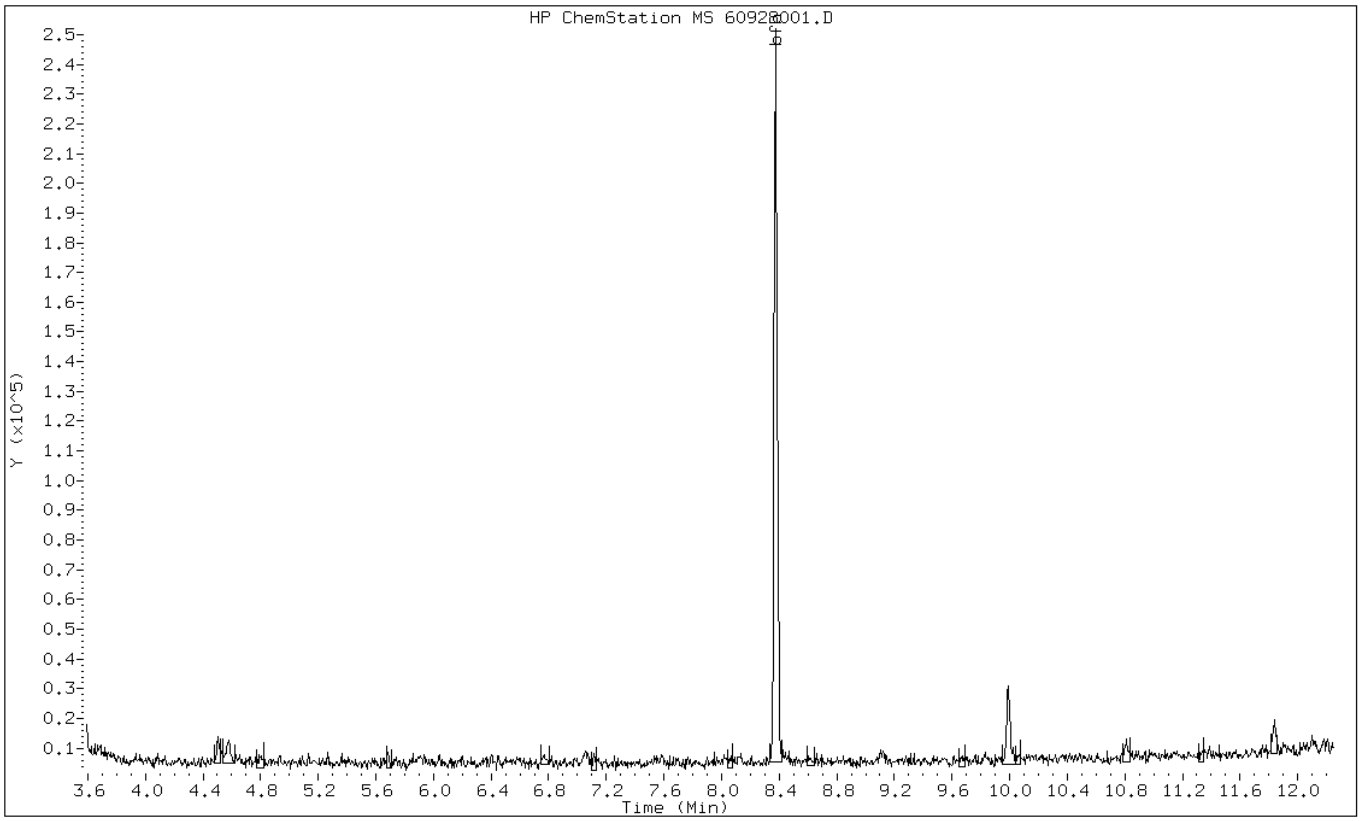
Date: 28-SEP-2012 09:20

Client ID: 31019D

Instrument: hp6.i

Sample Info: BFB

Operator: 001562



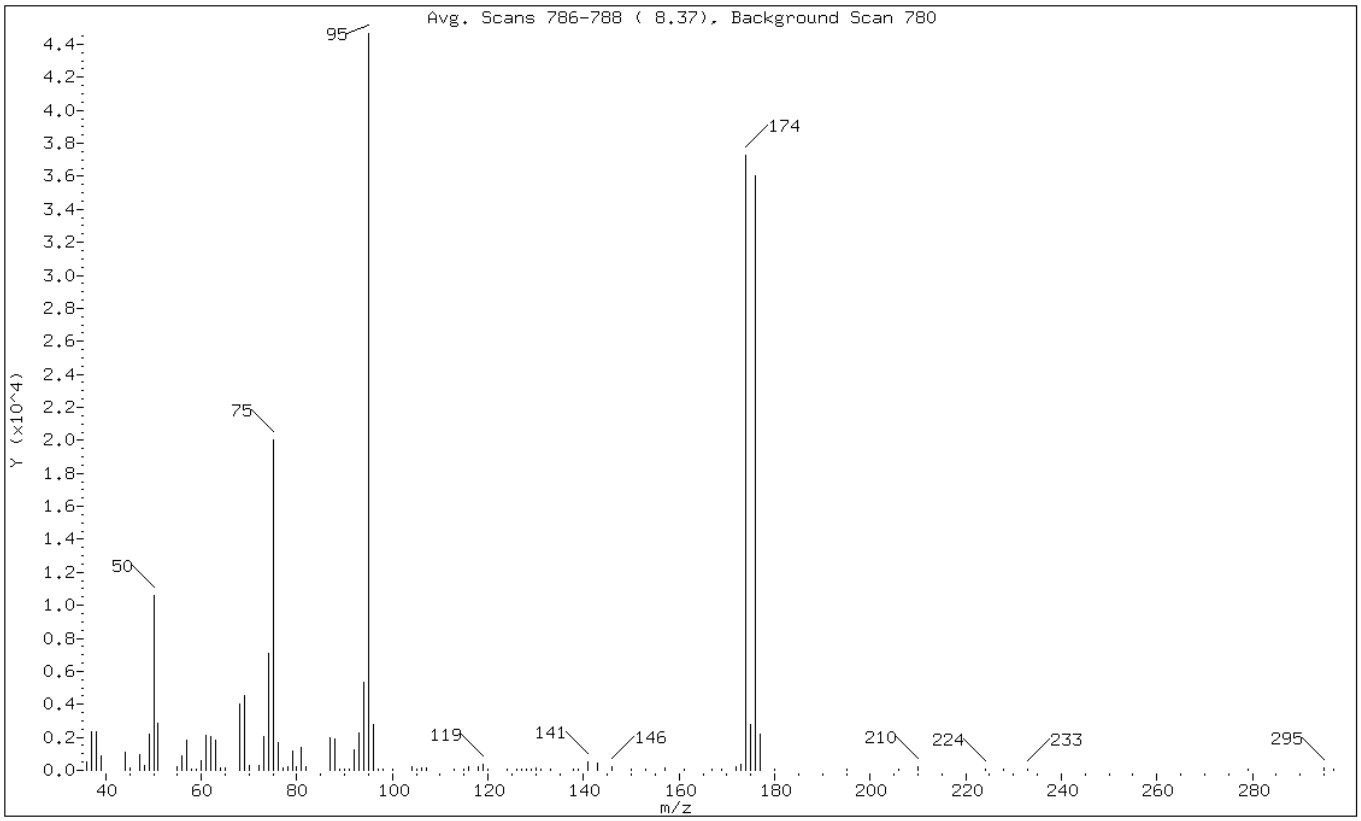
Data File: 60928001.D

Date: 28-SEP-2012 09:20

Client ID: 31019D Instrument: hp6.i

Sample Info: BFB Operator: 001562

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	23.69
75	30.00 - 60.00% of mass 95	44.86
96	5.00 - 9.00% of mass 95	6.15
173	Less than 2.00% of mass 174	0.84 (1.01)
174	50.00 - 100.00% of mass 95	83.43
175	5.00 - 9.00% of mass 174	6.18 (7.41)
176	95.00 - 101.00% of mass 174	80.71 (96.74)
177	5.00 - 9.00% of mass 176	4.94 (6.13)

Data File: 60928001.D

Date: 28-SEP-2012 09:20

Client ID: 31019D Instrument: hp6.i

Sample Info: BFB Operator: 001562

Data File: \\pitsvr06\d\chem\hp6.i\T6092812d.b\60928001.D
Spectrum: Avg. Scans 786-788 (8.37), Background Scan 780
Location of Maximum: 95.00
Number of points: 94

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	482	70.00	320	100.00	81	150.00	68
37.00	2336	72.00	327	104.00	193	153.00	82
38.00	2368	73.00	2023	105.00	77	157.00	160
39.00	875	74.00	7089	106.00	162	161.00	67
44.00	1094	75.00	20032	107.00	141	167.00	92
45.00	157	76.00	1684	113.00	67	169.00	69
47.00	942	77.00	181	115.00	94	172.00	188
48.00	268	78.00	252	116.00	210	173.00	375
49.00	2188	79.00	1170	118.00	204	174.00	37256
50.00	10580	80.00	210	119.00	363	175.00	2759
51.00	2877	81.00	1375	120.00	67	176.00	36040
55.00	209	82.00	247	124.00	77	177.00	2208
56.00	878	87.00	1991	126.00	105	180.00	81
57.00	1800	88.00	1906	127.00	66	195.00	83
58.00	77	89.00	92	128.00	67	206.00	72
59.00	75	90.00	68	129.00	89	210.00	212
60.00	559	91.00	83	130.00	115	224.00	83
61.00	2083	92.00	1220	131.00	75	228.00	75
62.00	2034	93.00	2297	133.00	77	233.00	104
63.00	1845	94.00	5357	138.00	73	279.00	93
64.00	162	95.00	44656	139.00	75	295.00	153
65.00	172	96.00	2745	141.00	484	297.00	92
68.00	4048	97.00	91	143.00	448		
69.00	4516	98.00	87	146.00	254		

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\hp6.i\T6100112d.b\61001001.D
Lab Smp Id: BFB Client Smp ID: 31019D
Inj Date : 01-OCT-2012 08:21
Operator : 001562 Inst ID: hp6.i
Smp Info : BFB
Misc Info : T6100112d.b,TBFBbllw.m,
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6100112d.b\TBFBbllw.m
Meth Date : 12-Sep-2012 21:09 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 51 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITSVR06

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
8.375	8.372	0.003	95	41800			100.00- 100.00	100.00(a)
8.375	8.372	0.003	50	9772			15.00- 40.00	23.38
8.375	8.372	0.003	75	21312			30.00- 60.00	50.99
8.375	8.372	0.003	96	2966			5.00- 9.00	7.10
8.375	8.372	0.003	173	0	0.0	0.0	0.00- 2.00	0.00
8.375	8.372	0.003	174	36264			50.00- 100.00	86.76
8.375	8.372	0.003	175	3170			5.00- 9.00	8.74
8.375	8.372	0.003	176	35632			95.00- 101.00	98.26
8.375	8.372	0.003	177	2213			5.00- 9.00	6.21

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: 61001001.D

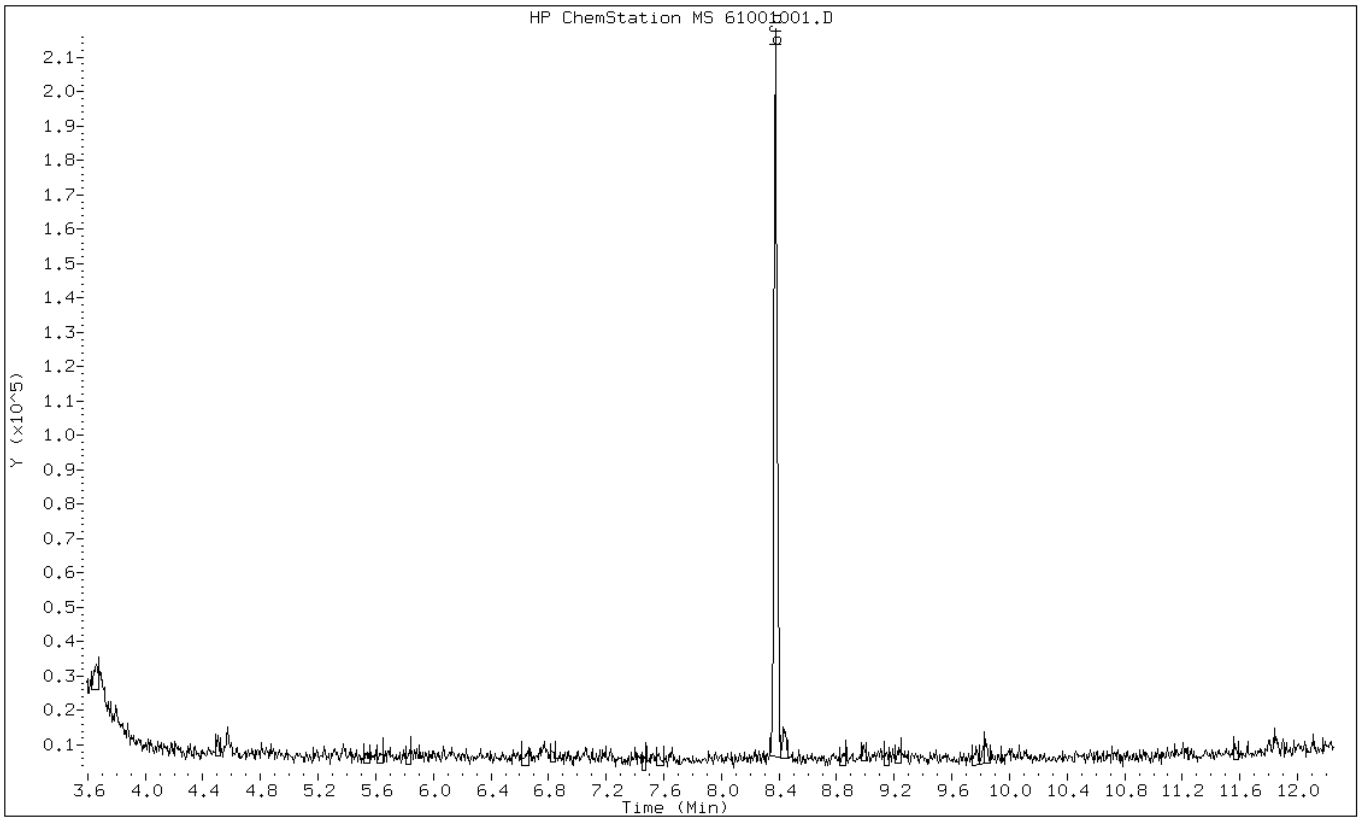
Date: 01-OCT-2012 08:21

Client ID: 31019D

Instrument: hp6.i

Sample Info: BFB

Operator: 001562



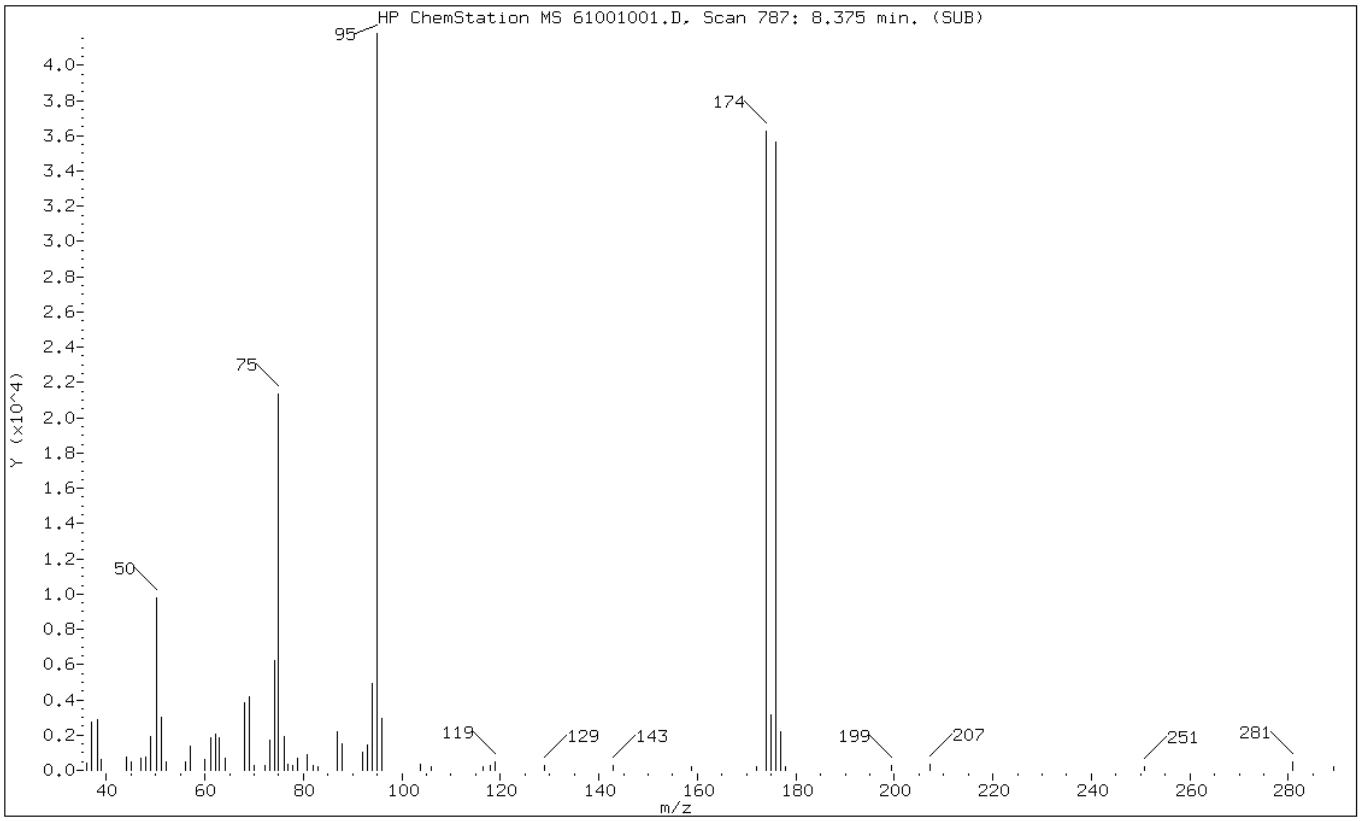
Data File: 61001001.D

Date: 01-OCT-2012 08:21

Client ID: 31019D Instrument: hp6.i

Sample Info: BFB Operator: 001562

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	23.38
75	30.00 - 60.00% of mass 95	50.99
96	5.00 - 9.00% of mass 95	7.10
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	86.76
175	5.00 - 9.00% of mass 174	7.58 (8.74)
176	95.00 - 101.00% of mass 174	85.24 (98.26)
177	5.00 - 9.00% of mass 176	5.29 (6.21)

Data File: 61001001.D

Date: 01-OCT-2012 08:21

Client ID: 31019D Instrument: hp6.i

Sample Info: BFB Operator: 001562

Data File: \\pitsvr06\d\chem\hp6.i\T6100112d.b\61001001.D
Spectrum: HP ChemStation MS 61001001.D, Scan 787: 8.375 min. (SUB)
Location of Maximum: 95.00
Number of points: 59

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	396	61.10	1838	80.80	888	129.00	258
37.00	2706	62.10	2036	82.00	289	143.00	267
38.10	2872	63.00	1862	83.00	233	158.90	216
39.00	633	64.20	672	86.90	2174	172.10	234
44.00	748	68.00	3820	87.90	1486	173.90	36264
45.10	468	69.00	4158	92.00	1055	174.90	3170
47.10	656	70.00	259	93.00	1458	175.90	35632
48.10	751	72.20	259	94.00	4902	176.90	2213
49.00	1922	73.10	1687	95.00	41800	177.80	202
50.10	9772	74.10	6223	96.00	2966	199.30	252
51.10	2987	75.00	21312	103.80	329	207.20	311
52.10	513	76.00	1897	105.90	228	250.80	237
56.00	509	76.90	362	116.60	232	281.00	483
57.00	1363	77.80	298	117.90	264	289.20	227
60.00	629	78.80	699	118.90	490		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 180-50119/4
Matrix: Water
Lab File ID: 60928004.D
Analysis Method: 8260B
Date Collected:
Sample wt/vol: 5(mL)
Date Analyzed: 09/28/2012 11:01
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: DB-624 ID: 0.18(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 50119
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	ND		5.0	2.5
71-43-2	Benzene	ND		1.0	0.11
75-27-4	Bromodichloromethane	ND		1.0	0.13
75-25-2	Bromoform	ND		1.0	0.19
74-83-9	Bromomethane	ND		1.0	0.31
78-93-3	2-Butanone (MEK)	ND		5.0	0.55
75-15-0	Carbon disulfide	0.743	J	1.0	0.21
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	ND		1.0	0.14
75-00-3	Chloroethane	ND		1.0	0.21
67-66-3	Chloroform	ND		1.0	0.17
124-48-1	Dibromochloromethane	ND		1.0	0.14
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.14
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.18
75-34-3	1,1-Dichloroethane	ND		1.0	0.12
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.17
78-87-5	1,2-Dichloropropane	ND		1.0	0.095
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.15
100-41-4	Ethylbenzene	ND		1.0	0.23
591-78-6	2-Hexanone	ND		5.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.15
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53
100-42-5	Styrene	ND		1.0	0.097
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		1.0	0.15
108-88-3	Toluene	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.29
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.14
75-69-4	Trichlorofluoromethane	ND		1.0	0.20
75-01-4	Vinyl chloride	ND		1.0	0.23
1330-20-7	Xylenes, Total	ND		3.0	0.49
110-82-7	Cyclohexane	ND		1.0	0.25

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 180-50119/4
Matrix: Water
Lab File ID: 60928004.D
Analysis Method: 8260B
Date Collected:
Sample wt/vol: 5(mL)
Date Analyzed: 09/28/2012 11:01
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: DB-624 ID: 0.18(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 50119
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.24
75-71-8	Dichlorodifluoromethane	ND		1.0	0.19
98-82-8	Isopropylbenzene	ND		1.0	0.16
79-20-9	Methyl acetate	ND		1.0	0.14
108-87-2	Methylcyclohexane	ND		1.0	0.26
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.18
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.15
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.11
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.21
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.27
74-87-3	Chloromethane	ND		1.0	0.28
123-91-1	1,4-Dioxane	ND		200	34

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		64-135
2037-26-5	Toluene-d8 (Surr)	90		71-118
460-00-4	4-Bromofluorobenzene (Surr)	87		70-118
1868-53-7	Dibromofluoromethane (Surr)	97		70-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 180-50119/4

Matrix: Water Lab File ID: 60928004.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/28/2012 11:01

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 50119 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

FORM I-TIC 8260B

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6092812d.b\60928004.D
Lab Smp Id: MB Client Smp ID: MB
Inj Date : 28-SEP-2012 11:01
Operator : 001562 Inst ID: hp6.i
Smp Info : MB
Misc Info : T6092812d.b,T8260bllw.m,1-mix.sub
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6092812d.b\T8260bllw.m
Meth Date : 28-Sep-2012 12:38 fergusond Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 54
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-mix.sub
Target Version: 4.14
Processing Host: PITPC-002

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 46 Fluorobenzene (IS)	96	7.309	7.305	(1.000)	548997	50.0000	
* 69 Chlorobenzene-d5	119	10.400	10.402	(1.000)	121975	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.730	12.726	(1.000)	155080	50.0000	(Q)
$ 39 Dibromofluoromethane (Surr)	113	6.561	6.563	(0.898)	107748	48.6799	48.68
$ 43 1,2-Dichloroethane-d4	65	6.932	6.934	(0.948)	139989	56.7502	56.75
$ 59 Toluene-d8	98	8.958	8.960	(0.861)	499766	45.2143	45.21
$ 80 Bromofluorobenzene (Surr)	95	11.568	11.570	(1.112)	153232	43.4061	43.41
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
10 1,1,2-trichloro-1,2,2-trifluor	101	Compound Not Detected.					
12 1,1-Dichloroethene	96	Compound Not Detected.					
15 Carbon Disulfide	76	3.678	3.680	(0.503)	25404	3.71591	3.716
13 Acetone	43	Compound Not Detected.					
18 Methylene Chloride	84	Compound Not Detected.					
19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
20 Methyl tert-butyl ether	73	Compound Not Detected.					
24 1,1-Dichloroethane	63	Compound Not Detected.					
27 2,2-Dichloropropane	77	Compound Not Detected.					
28 cis-1,2-dichloroethene	96	Compound Not Detected.					
M 29 1,2-Dichloroethene (total)	96	Compound Not Detected.					
30 Bromochloromethane	128	Compound Not Detected.					
31 2-Butanone	43	Compound Not Detected.					
37 Chloroform	83	Compound Not Detected.					
38 1,1,1-Trichloroethane	97	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ng)
	40 1,1-Dichloropropene	75	Compound Not Detected.					
	41 Carbon Tetrachloride	117	Compound Not Detected.					
	42 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	47 Trichloroethene	130	Compound Not Detected.					
	49 1,2-Dichloropropane	63	Compound Not Detected.					
	50 Dibromomethane	93	Compound Not Detected.					
	53 Bromodichloromethane	83	Compound Not Detected.					
	57 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	58 4-Methyl-2-Pentanone	43	Compound Not Detected.					
	60 Toluene	91	Compound Not Detected.					
	61 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	63 1,3-Dichloropropane	76	Compound Not Detected.					
	64 1,1,2-Trichloroethane	97	Compound Not Detected.					
	65 Tetrachloroethene	164	Compound Not Detected.					
	66 2-Hexanone	43	Compound Not Detected.					
	67 Dibromochloromethane	129	Compound Not Detected.					
	68 1,2-Dibromoethane	107	Compound Not Detected.					
	70 Chlorobenzene	112	Compound Not Detected.					
	71 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	72 Ethylbenzene	106	Compound Not Detected.					
	73 m + p-Xylene	106	Compound Not Detected.					
	74 Xylene-o	106	Compound Not Detected.					
M	75 Xylenes (total)	106	Compound Not Detected.					
	76 Styrene	104	Compound Not Detected.					
	77 Bromoform	173	Compound Not Detected.					
	78 Isopropylbenzene	105	Compound Not Detected.					
	79 Bromobenzene	156	Compound Not Detected.					
	81 n-Propylbenzene	120	Compound Not Detected.					
	82 2-Chlorotoluene	126	Compound Not Detected.					
	83 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	84 1,2,3-Trichloropropane	110	Compound Not Detected.					
	85 4-Chlorotoluene	126	Compound Not Detected.					
	86 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	87 tert-Butylbenzene	119	Compound Not Detected.					
	88 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	89 sec-Butylbenzene	105	Compound Not Detected.					
	90 4-Isopropyltoluene	119	Compound Not Detected.					
	91 1,3-Dichlorobenzene	146	Compound Not Detected.					
	93 1,4-Dichlorobenzene	146	Compound Not Detected.					
	94 n-Butylbenzene	91	Compound Not Detected.					
	95 1,2-Dichlorobenzene	146	Compound Not Detected.					
	96 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
	97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	98 Hexachlorobutadiene	225	Compound Not Detected.					
	99 Naphthalene	128	Compound Not Detected.					
	100 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
	156 Methyl Acetate	43	Compound Not Detected.					
	157 Cyclohexane	56	Compound Not Detected.					
	158 Methyl Cyclohexane	83	Compound Not Detected.					
	160 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
	168 3-Chlorobenzotrifluoride	180	Compound Not Detected.					
	169 4-Chlorobenzotrifluoride	180	Compound Not Detected.					
	170 2-Chlorobenzotrifluoride	180	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
171 3-Chlorotoluene	126	Compound Not Detected.					
172 3,4-Dichlorobenzotrifluoride	214	Compound Not Detected.					
173 2,4-Dichlorobenzotrifluoride	214	Compound Not Detected.					
174 2,5-Dichlorobenzotrifluoride	214	Compound Not Detected.					
175 Dichlorotoluene(2,4/2,5/2,6)	125	Compound Not Detected.					
176 Dichlorotoluene(2,3/3,4)	125	Compound Not Detected.					
177 2,4,5-Trichlorotoluene	159	Compound Not Detected.					
178 2,3,6-Trichlorotoluene	159	Compound Not Detected.					
32 Vinyl Acetate	43	Compound Not Detected.					
35 Tetrahydrofuran	42	Compound Not Detected.					
52 1,4-Dioxane	88	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6092812d.b\60928004.D
Lab Smp Id: MB Client Smp ID: MB
Inj Date : 28-SEP-2012 11:01
Operator : 001562 Inst ID: hp6.i
Smp Info : MB
Misc Info : T6092812d.b,T8260bllw.m,1-mix.sub
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6092812d.b\T8260bllw.m
Meth Date : 28-Sep-2012 12:38 fergusond Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 54
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-mix.sub
Target Version: 4.14
Processing Host: PITPC-002

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: 60928004.D

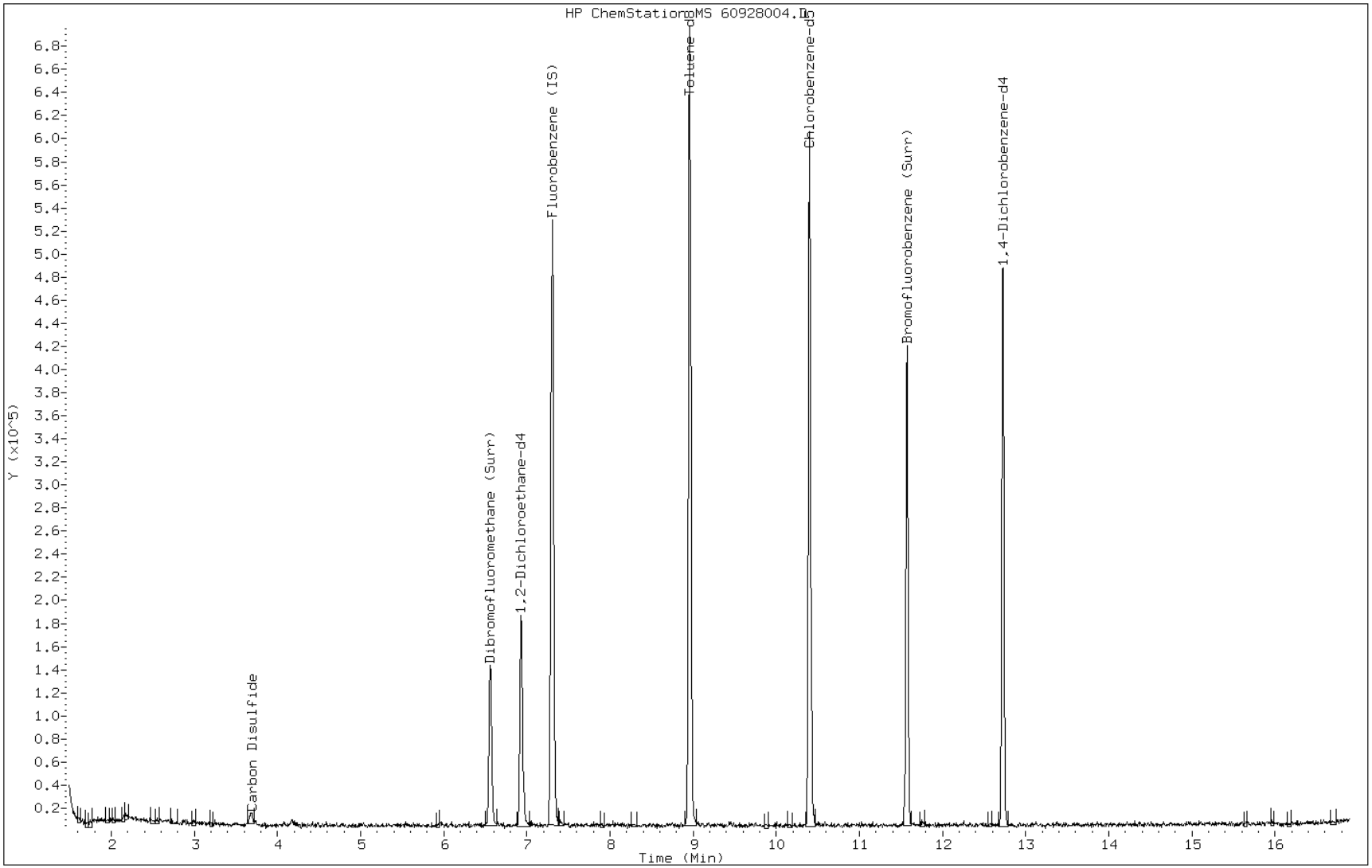
Date: 28-SEP-2012 11:01

Client ID: MB

Instrument: hp6.i

Sample Info: MB

Operator: 001562



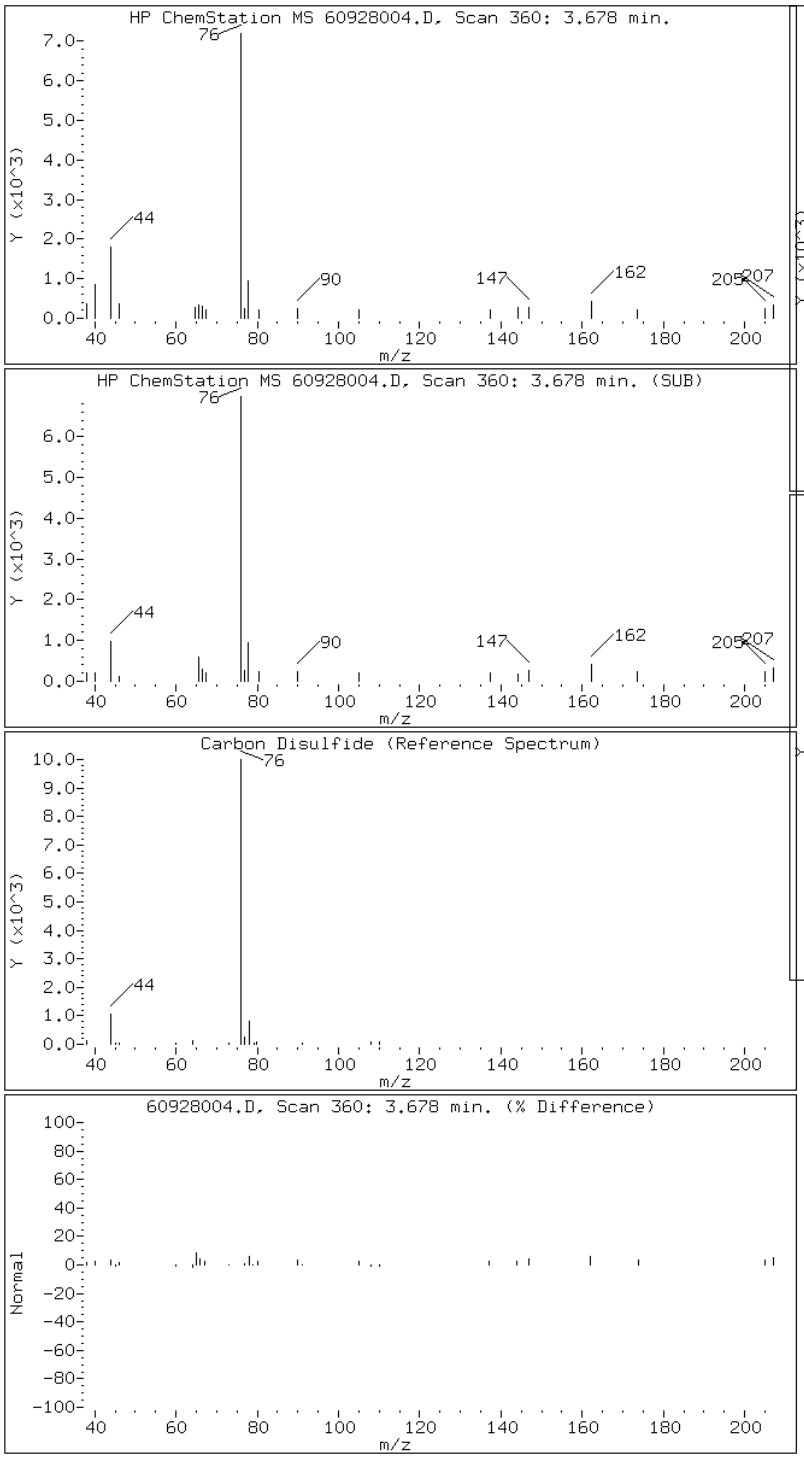
Data File: 60928004.D

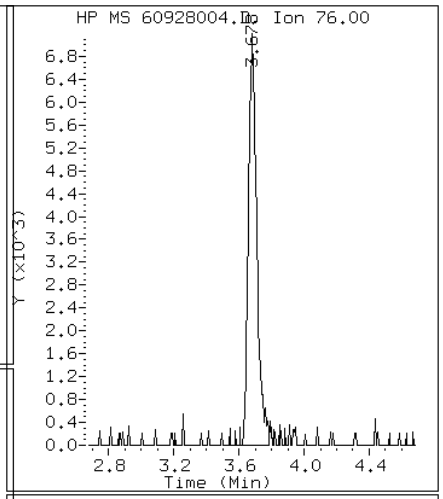
Date: 28-SEP-2012 11:01

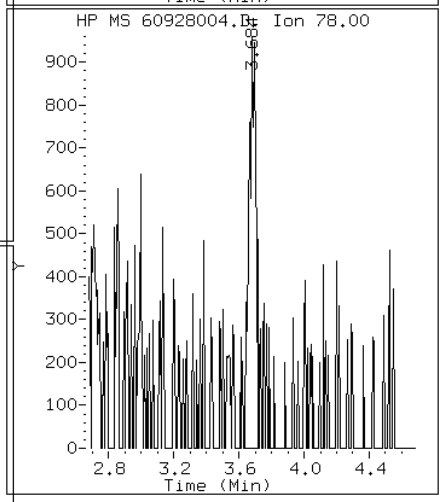
Client ID: MB | Instrument: hp6.i

Sample Info: MB | Operator: 001562

15 Carbon Disulfide







FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 180-50323/4

Matrix: Water | Lab File ID: 61001005.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 10/01/2012 10:17

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 50323 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	ND		5.0	2.5
71-43-2	Benzene	ND		1.0	0.11
75-27-4	Bromodichloromethane	ND		1.0	0.13
75-25-2	Bromoform	ND		1.0	0.19
74-83-9	Bromomethane	ND		1.0	0.31
78-93-3	2-Butanone (MEK)	ND		5.0	0.55
75-15-0	Carbon disulfide	ND		1.0	0.21
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	ND		1.0	0.14
75-00-3	Chloroethane	ND		1.0	0.21
67-66-3	Chloroform	ND		1.0	0.17
124-48-1	Dibromochloromethane	ND		1.0	0.14
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.14
106-93-4	1,2-Dibromoethane (EDB)	ND		1.0	0.18
75-34-3	1,1-Dichloroethane	ND		1.0	0.12
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
75-35-4	1,1-Dichloroethene	ND		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.17
78-87-5	1,2-Dichloropropane	ND		1.0	0.095
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.15
100-41-4	Ethylbenzene	ND		1.0	0.23
591-78-6	2-Hexanone	ND		5.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.15
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	0.53
100-42-5	Styrene	ND		1.0	0.097
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		1.0	0.15
108-88-3	Toluene	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.29
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.20
79-01-6	Trichloroethene	ND		1.0	0.14
75-69-4	Trichlorofluoromethane	ND		1.0	0.20
75-01-4	Vinyl chloride	ND		1.0	0.23
1330-20-7	Xylenes, Total	ND		3.0	0.49
110-82-7	Cyclohexane	ND		1.0	0.25

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 180-50323/4
Matrix: Water
Lab File ID: 61001005.D
Analysis Method: 8260B
Date Collected:
Sample wt/vol: 5(mL)
Date Analyzed: 10/01/2012 10:17
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: DB-624 ID: 0.18(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 50323
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.24
75-71-8	Dichlorodifluoromethane	ND		1.0	0.19
98-82-8	Isopropylbenzene	ND		1.0	0.16
79-20-9	Methyl acetate	ND		1.0	0.14
108-87-2	Methylcyclohexane	ND		1.0	0.26
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.18
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.32
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.15
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.11
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.21
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.27
74-87-3	Chloromethane	ND		1.0	0.28

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	130		64-135
2037-26-5	Toluene-d8 (Surr)	86		71-118
460-00-4	4-Bromofluorobenzene (Surr)	93		70-118
1868-53-7	Dibromofluoromethane (Surr)	106		70-128

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 180-50323/4

Matrix: Water Lab File ID: 61001005.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 10/01/2012 10:17

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 50323 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

FORM I-TIC 8260B

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6100112d.b\61001005.D
Lab Smp Id: MB Client Smp ID: MB
Inj Date : 01-OCT-2012 10:17
Operator : 001562 Inst ID: hp6.i
Smp Info : MB
Misc Info : T6100112d.b,T8260bllw.m,1-mix.sub
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6100112d.b\T8260bllw.m
Meth Date : 01-Oct-2012 12:01 hp6.i Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 55
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-mix.sub
Target Version: 4.14
Processing Host: PITPC-002

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 46 Fluorobenzene (IS)	96	7.305	7.303	(1.000)	458072	50.0000	
* 69 Chlorobenzene-d5	119	10.401	10.399	(1.000)	107610	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.731	12.729	(1.000)	161216	50.0000	(Q)
$ 39 Dibromofluoromethane (Surr)	113	6.557	6.554	(0.898)	98192	53.1684	53.17
$ 43 1,2-Dichloroethane-d4	65	6.934	6.926	(0.949)	134149	65.1775	65.18
$ 59 Toluene-d8	98	8.960	8.957	(0.861)	420137	43.0842	43.08
$ 80 Bromofluorobenzene (Surr)	95	11.575	11.573	(1.113)	145222	46.6285	46.63
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
10 1,1,2-trichloro-1,2,2-trifluor	101	Compound Not Detected.					
12 1,1-Dichloroethene	96	Compound Not Detected.					
15 Carbon Disulfide	76	Compound Not Detected.					
13 Acetone	43	Compound Not Detected.					
18 Methylene Chloride	84	Compound Not Detected.					
19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
20 Methyl tert-butyl ether	73	Compound Not Detected.					
24 1,1-Dichloroethane	63	Compound Not Detected.					
27 2,2-Dichloropropane	77	Compound Not Detected.					
28 cis-1,2-dichloroethene	96	Compound Not Detected.					
M 29 1,2-Dichloroethene (total)	96	Compound Not Detected.					
30 Bromochloromethane	128	Compound Not Detected.					
31 2-Butanone	43	Compound Not Detected.					
37 Chloroform	83	Compound Not Detected.					
38 1,1,1-Trichloroethane	97	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ng)
	40 1,1-Dichloropropene	75	Compound Not Detected.					
	41 Carbon Tetrachloride	117	Compound Not Detected.					
	42 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	47 Trichloroethene	130	Compound Not Detected.					
	49 1,2-Dichloropropane	63	Compound Not Detected.					
	50 Dibromomethane	93	Compound Not Detected.					
	53 Bromodichloromethane	83	Compound Not Detected.					
	57 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	58 4-Methyl-2-Pentanone	43	Compound Not Detected.					
	60 Toluene	91	Compound Not Detected.					
	61 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	63 1,3-Dichloropropane	76	Compound Not Detected.					
	64 1,1,2-Trichloroethane	97	Compound Not Detected.					
	65 Tetrachloroethene	164	Compound Not Detected.					
	66 2-Hexanone	43	Compound Not Detected.					
	67 Dibromochloromethane	129	Compound Not Detected.					
	68 1,2-Dibromoethane	107	Compound Not Detected.					
	70 Chlorobenzene	112	Compound Not Detected.					
	71 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	72 Ethylbenzene	106	Compound Not Detected.					
	73 m + p-Xylene	106	Compound Not Detected.					
	74 Xylene-o	106	Compound Not Detected.					
M	75 Xylenes (total)	106	Compound Not Detected.					
	76 Styrene	104	Compound Not Detected.					
	77 Bromoform	173	Compound Not Detected.					
	78 Isopropylbenzene	105	Compound Not Detected.					
	79 Bromobenzene	156	Compound Not Detected.					
	81 n-Propylbenzene	120	Compound Not Detected.					
	82 2-Chlorotoluene	126	Compound Not Detected.					
	83 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	84 1,2,3-Trichloropropane	110	Compound Not Detected.					
	85 4-Chlorotoluene	126	Compound Not Detected.					
	86 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	87 tert-Butylbenzene	119	Compound Not Detected.					
	88 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	89 sec-Butylbenzene	105	Compound Not Detected.					
	90 4-Isopropyltoluene	119	Compound Not Detected.					
	91 1,3-Dichlorobenzene	146	Compound Not Detected.					
	93 1,4-Dichlorobenzene	146	Compound Not Detected.					
	94 n-Butylbenzene	91	Compound Not Detected.					
	95 1,2-Dichlorobenzene	146	Compound Not Detected.					
	96 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
	97 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	98 Hexachlorobutadiene	225	Compound Not Detected.					
	99 Naphthalene	128	Compound Not Detected.					
	100 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
	156 Methyl Acetate	43	Compound Not Detected.					
	157 Cyclohexane	56	Compound Not Detected.					
	158 Methyl Cyclohexane	83	Compound Not Detected.					
	160 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
	168 3-Chlorobenzotrifluoride	180	Compound Not Detected.					
	169 4-Chlorobenzotrifluoride	180	Compound Not Detected.					
	170 2-Chlorobenzotrifluoride	180	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
171 3-Chlorotoluene	126	Compound Not Detected.					
172 3,4-Dichlorobenzotrifluoride	214	Compound Not Detected.					
173 2,4-Dichlorobenzotrifluoride	214	Compound Not Detected.					
174 2,5-Dichlorobenzotrifluoride	214	Compound Not Detected.					
175 Dichlorotoluene(2,4/2,5/2,6)	125	Compound Not Detected.					
176 Dichlorotoluene(2,3/3,4)	125	Compound Not Detected.					
177 2,4,5-Trichlorotoluene	159	Compound Not Detected.					
178 2,3,6-Trichlorotoluene	159	Compound Not Detected.					
32 Vinyl Acetate	43	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6100112d.b\61001005.D
Lab Smp Id: MB Client Smp ID: MB
Inj Date : 01-OCT-2012 10:17
Operator : 001562 Inst ID: hp6.i
Smp Info : MB
Misc Info : T6100112d.b,T8260bllw.m,1-mix.sub
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6100112d.b\T8260bllw.m
Meth Date : 01-Oct-2012 12:01 hp6.i Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 55
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-mix.sub
Target Version: 4.14
Processing Host: PITPC-002

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: 61001005.D

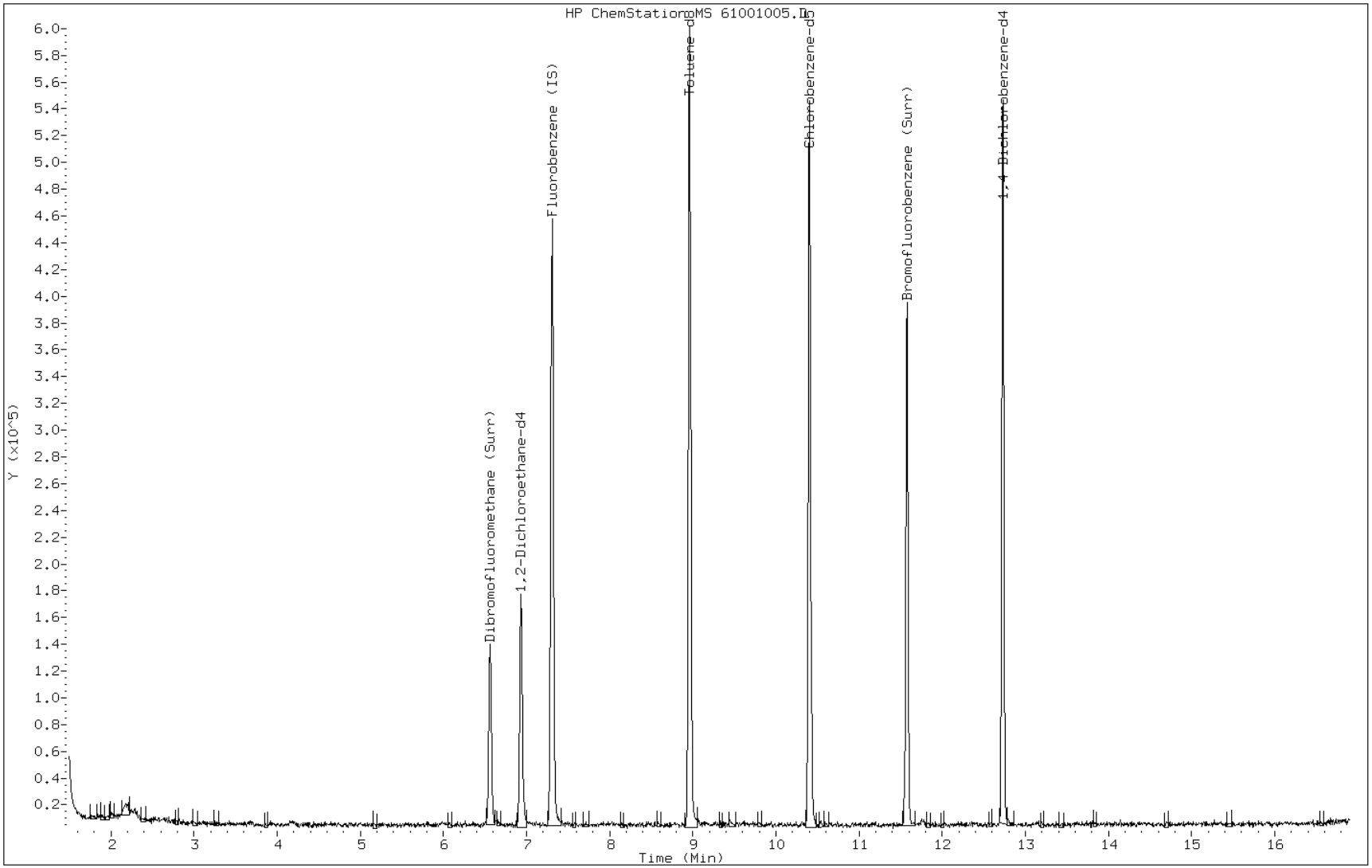
Date: 01-OCT-2012 10:17

Client ID: MB

Instrument: hp6.i

Sample Info: MB

Operator: 001562



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 180-50119/5
Matrix: Water
Lab File ID: 60928006.D
Analysis Method: 8260B
Date Collected:
Sample wt/vol: 5(mL)
Date Analyzed: 09/28/2012 12:03
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: DB-624 ID: 0.18(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 50119
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	11.7		5.0	2.5
71-43-2	Benzene	10.1		1.0	0.11
75-27-4	Bromodichloromethane	9.69		1.0	0.13
75-25-2	Bromoform	8.70		1.0	0.19
74-83-9	Bromomethane	11.9		1.0	0.31
78-93-3	2-Butanone (MEK)	9.01		5.0	0.55
75-15-0	Carbon disulfide	8.78		1.0	0.21
56-23-5	Carbon tetrachloride	10.2		1.0	0.14
108-90-7	Chlorobenzene	10.5		1.0	0.14
75-00-3	Chloroethane	12.5		1.0	0.21
67-66-3	Chloroform	10.9		1.0	0.17
124-48-1	Dibromochloromethane	10.2		1.0	0.14
96-12-8	1,2-Dibromo-3-Chloropropane	6.64		1.0	0.14
106-93-4	1,2-Dibromoethane (EDB)	10.3		1.0	0.18
75-34-3	1,1-Dichloroethane	10.8		1.0	0.12
107-06-2	1,2-Dichloroethane	11.2		1.0	0.21
75-35-4	1,1-Dichloroethene	9.81		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	10.3		1.0	0.17
78-87-5	1,2-Dichloropropane	11.1		1.0	0.095
10061-01-5	cis-1,3-Dichloropropene	7.80		1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	6.95		1.0	0.15
100-41-4	Ethylbenzene	10.2		1.0	0.23
591-78-6	2-Hexanone	8.15		5.0	0.16
75-09-2	Methylene Chloride	10.2		1.0	0.15
108-10-1	4-Methyl-2-pentanone (MIBK)	8.13		5.0	0.53
100-42-5	Styrene	9.74		1.0	0.097
79-34-5	1,1,2,2-Tetrachloroethane	10.7		1.0	0.20
127-18-4	Tetrachloroethene	12.2		1.0	0.15
108-88-3	Toluene	10.5		1.0	0.15
71-55-6	1,1,1-Trichloroethane	9.57		1.0	0.29
79-00-5	1,1,2-Trichloroethane	10.2		1.0	0.20
79-01-6	Trichloroethene	10.3		1.0	0.14
75-69-4	Trichlorofluoromethane	10.8		1.0	0.20
75-01-4	Vinyl chloride	9.26		1.0	0.23
1330-20-7	Xylenes, Total	29.5		3.0	0.49
110-82-7	Cyclohexane	9.68		1.0	0.25

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 180-50119/5
Matrix: Water
Lab File ID: 60928006.D
Analysis Method: 8260B
Date Collected:
Sample wt/vol: 5(mL)
Date Analyzed: 09/28/2012 12:03
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: DB-624 ID: 0.18(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 50119
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	9.75		1.0	0.24
75-71-8	Dichlorodifluoromethane	11.3		1.0	0.19
98-82-8	Isopropylbenzene	9.62		1.0	0.16
79-20-9	Methyl acetate	8.77		1.0	0.14
108-87-2	Methylcyclohexane	9.12		1.0	0.26
1634-04-4	Methyl tert-butyl ether	8.45		1.0	0.18
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10.2		1.0	0.32
95-50-1	1,2-Dichlorobenzene	10.3		1.0	0.15
541-73-1	1,3-Dichlorobenzene	10.5		1.0	0.11
106-46-7	1,4-Dichlorobenzene	10.2		1.0	0.21
120-82-1	1,2,4-Trichlorobenzene	6.46		1.0	0.27
74-87-3	Chloromethane	9.84		1.0	0.28
123-91-1	1,4-Dioxane	ND		200	34

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		64-135
2037-26-5	Toluene-d8 (Surr)	101		71-118
460-00-4	4-Bromofluorobenzene (Surr)	91		70-118
1868-53-7	Dibromofluoromethane (Surr)	102		70-128

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6092812d.b\60928006.D
Lab Smp Id: LCS Client Smp ID: LCS
Inj Date : 28-SEP-2012 12:03
Operator : 001562 Inst ID: hp6.i
Smp Info : LCS
Misc Info : T6092812d.b,T8260bllw.m,1-mix.sub
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6092812d.b\T8260bllw.m
Meth Date : 28-Sep-2012 12:38 fergusond Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 56
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-mix.sub
Target Version: 4.14
Processing Host: PITPC-002

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 46 Fluorobenzene (IS)	96	7.308	7.305	(1.000)	471772	50.0000	
* 69 Chlorobenzene-d5	119	10.399	10.402	(1.000)	99278	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.729	12.726	(1.000)	107105	50.0000	
$ 39 Dibromofluoromethane (Surr)	113	6.560	6.563	(0.898)	97367	51.1906	51.19
$ 43 1,2-Dichloroethane-d4	65	6.931	6.934	(0.948)	121538	57.3355	57.34
$ 59 Toluene-d8	98	8.963	8.960	(0.862)	452886	50.3403	50.34
$ 80 Bromofluorobenzene (Surr)	95	11.567	11.570	(1.112)	130604	45.4543	45.45
1 Dichlorodifluoromethane	85	1.614	1.617	(0.221)	134674	56.3241	56.32
2 Chloromethane	50	1.766	1.769	(0.242)	180722	49.1863	49.19
3 Vinyl Chloride	62	1.900	1.897	(0.260)	133665	46.2793	46.28
4 Bromomethane	94	2.283	2.274	(0.312)	53259	59.3225	59.32
5 Chloroethane	64	2.405	2.402	(0.329)	75519	62.5283	62.53
6 Trichlorofluoromethane	101	2.721	2.731	(0.372)	156521	54.2495	54.25
10 1,1,2-trichloro-1,2,2-trifluor	101	3.451	3.454	(0.472)	116664	50.8656	50.86
12 1,1-Dichloroethene	96	3.397	3.394	(0.465)	120591	49.0256	49.02
15 Carbon Disulfide	76	3.682	3.680	(0.504)	257882	43.8957	43.90
13 Acetone	43	3.512	3.515	(0.481)	35966	58.3076	58.31
18 Methylene Chloride	84	4.181	4.172	(0.572)	134630	50.8509	50.85
19 trans-1,2-Dichloroethene	96	4.601	4.592	(0.630)	132059	51.6951	51.70
20 Methyl tert-butyl ether	73	4.619	4.616	(0.632)	272951	42.2425	42.24
24 1,1-Dichloroethane	63	5.209	5.200	(0.713)	246529	54.0764	54.08
27 2,2-Dichloropropane	77	5.958	5.955	(0.815)	83145	37.4211	37.42
28 cis-1,2-dichloroethene	96	5.964	5.967	(0.816)	137004	48.7575	48.76
M 29 1,2-Dichloroethene (total)	96				269063	100.453	100.4
30 Bromochloromethane	128	6.256	6.259	(0.856)	58097	51.6020	51.60
31 2-Butanone	43	6.012	6.016	(0.823)	50173	45.0416	45.04
37 Chloroform	83	6.377	6.368	(0.873)	200557	54.6324	54.63
38 1,1,1-Trichloroethane	97	6.566	6.563	(0.898)	142076	47.8356	47.84

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
	40 1,1-Dichloropropene	75	6.761	6.758	(0.925)	182001	50.8248	50.82
	41 Carbon Tetrachloride	117	6.749	6.746	(0.923)	117166	50.7534	50.75
	42 Benzene	78	6.992	6.989	(0.957)	536314	50.4494	50.45
	45 1,2-Dichloroethane	62	7.016	7.019	(0.960)	158627	56.2094	56.21
	47 Trichloroethene	130	7.698	7.701	(1.053)	134858	51.4051	51.40
	49 1,2-Dichloropropane	63	7.935	7.938	(1.086)	139524	55.5260	55.52
	50 Dibromomethane	93	8.057	8.060	(1.102)	59292	47.6546	47.65
	53 Bromodichloromethane	83	8.233	8.230	(1.127)	108139	48.4578	48.46
	57 cis-1,3-Dichloropropene	75	8.689	8.692	(1.189)	124326	39.0089	39.01
	58 4-Methyl-2-Pentanone	43	8.860	8.857	(0.852)	101108	40.6331	40.63
	60 Toluene	91	9.024	9.027	(0.868)	553143	52.5737	52.57
	61 trans-1,3-Dichloropropene	75	9.255	9.252	(0.890)	90339	34.7603	34.76
	63 1,3-Dichloropropane	76	9.602	9.605	(0.923)	172736	51.1732	51.17
	64 1,1,2-Trichloroethane	97	9.431	9.435	(0.907)	93809	50.8836	50.88
	65 Tetrachloroethene	164	9.571	9.574	(0.920)	107425	61.0019	61.00
	66 2-Hexanone	43	9.693	9.690	(0.932)	71192	40.7415	40.74
	67 Dibromochloromethane	129	9.827	9.830	(0.945)	63777	51.1989	51.20
	68 1,2-Dibromoethane	107	9.936	9.946	(0.956)	89312	51.4392	51.44
	70 Chlorobenzene	112	10.429	10.432	(1.003)	333213	52.4150	52.41
	71 1,1,1,2-Tetrachloroethane	131	10.508	10.511	(1.011)	81180	47.7669	47.77
	72 Ethylbenzene	106	10.539	10.536	(1.013)	193152	50.8512	50.85
	73 m + p-Xylene	106	10.654	10.651	(1.025)	459004	99.9699	99.97
	74 Xylene-o	106	11.050	11.047	(1.063)	213418	47.3387	47.34
M	75 Xylenes (total)	106				672422	147.309	147.3
	76 Styrene	104	11.062	11.059	(1.064)	340487	48.6908	48.69
	77 Bromoform	173	11.256	11.253	(1.082)	28654	43.5088	43.51
	78 Isopropylbenzene	105	11.415	11.418	(1.098)	511453	48.1055	48.10
	79 Bromobenzene	156	11.725	11.722	(0.921)	110888	56.6054	56.60
	81 n-Propylbenzene	120	11.828	11.825	(0.929)	138099	51.4297	51.43
	82 2-Chlorotoluene	126	11.920	11.917	(0.936)	121673	55.4682	55.47
	83 1,1,2,2-Tetrachloroethane	83	11.719	11.716	(0.921)	110760	53.7341	53.73
	84 1,2,3-Trichloropropane	110	11.755	11.758	(0.924)	34923	54.6122	54.61(Q)
	85 4-Chlorotoluene	126	12.023	12.026	(0.945)	126750	53.2960	53.30
	86 1,3,5-Trimethylbenzene	105	11.999	12.002	(0.943)	349989	50.4297	50.43
	87 tert-Butylbenzene	119	12.333	12.330	(0.969)	303176	49.8952	49.90
	88 1,2,4-Trimethylbenzene	105	12.376	12.379	(0.972)	336617	49.5455	49.54
	89 sec-Butylbenzene	105	12.546	12.549	(0.986)	402540	48.7587	48.76
	90 4-Isopropyltoluene	119	12.692	12.695	(0.997)	311228	46.5108	46.51
	91 1,3-Dichlorobenzene	146	12.662	12.665	(0.995)	181436	52.3568	52.36
	93 1,4-Dichlorobenzene	146	12.747	12.750	(1.001)	182909	51.0754	51.08
	94 n-Butylbenzene	91	13.106	13.103	(1.030)	227030	41.7883	41.79
	95 1,2-Dichlorobenzene	146	13.130	13.127	(1.032)	161055	51.4885	51.49
	96 1,2-Dibromo-3-chloropropane	157	13.909	13.918	(1.093)	7948	33.1818	33.18(Q)
	97 1,2,4-Trichlorobenzene	180	14.736	14.739	(1.158)	45268	32.2844	32.28
	98 Hexachlorobutadiene	225	14.913	14.910	(1.172)	16442	33.0313	33.03
	99 Naphthalene	128	14.992	14.989	(1.178)	121287	29.5325	29.53
	100 1,2,3-Trichlorobenzene	180	15.241	15.238	(1.197)	32837	29.2127	29.21
	156 Methyl Acetate	43	4.054	4.038	(0.555)	86587	43.8394	43.84
	157 Cyclohexane	56	6.621	6.618	(0.906)	279398	48.3967	48.40
	158 Methyl Cyclohexane	83	7.898	7.895	(1.081)	212080	45.5863	45.59
	160 1,3,5-Trichlorobenzene	180	14.122	14.119	(1.109)	65691	39.9832	39.98
	168 3-Chlorobenzotrifluoride	180	10.405	10.408	(1.001)	195453	50.6361	50.64
	169 4-Chlorobenzotrifluoride	180	10.459	10.463	(1.006)	179097	50.5893	50.59
	170 2-Chlorobenzotrifluoride	180	11.311	11.308	(1.088)	167183	48.1936	48.19

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
171 3-Chlorotoluene	126	11.980	11.977	(0.941)	126435	54.8965	54.90
172 3,4-Dichlorobenzotrifluoride	214	12.443	12.440	(0.978)	91100	49.1689	49.17
173 2,4-Dichlorobenzotrifluoride	214	12.796	12.799	(1.005)	75195	48.7276	48.73
174 2,5-Dichlorobenzotrifluoride	214	12.850	12.847	(1.010)	91776	51.4428	51.44
175 Dichlorotoluene(2,4/2,5/2,6)	125	14.049	14.052	(1.104)	234132	112.781	112.8
176 Dichlorotoluene(2,3/3,4)	125	14.475	14.472	(1.137)	145284	73.1348	73.13
177 2,4,5-Trichlorotoluene	159	16.111	16.114	(1.266)	11725	21.2378	21.24
178 2,3,6-Trichlorotoluene	159	16.239	16.230	(1.276)	9741	22.6102	22.61
32 Vinyl Acetate	43	Compound Not Detected.					
35 Tetrahydrofuran	42	Compound Not Detected.					
52 1,4-Dioxane	88	Compound Not Detected.					

QC Flag Legend

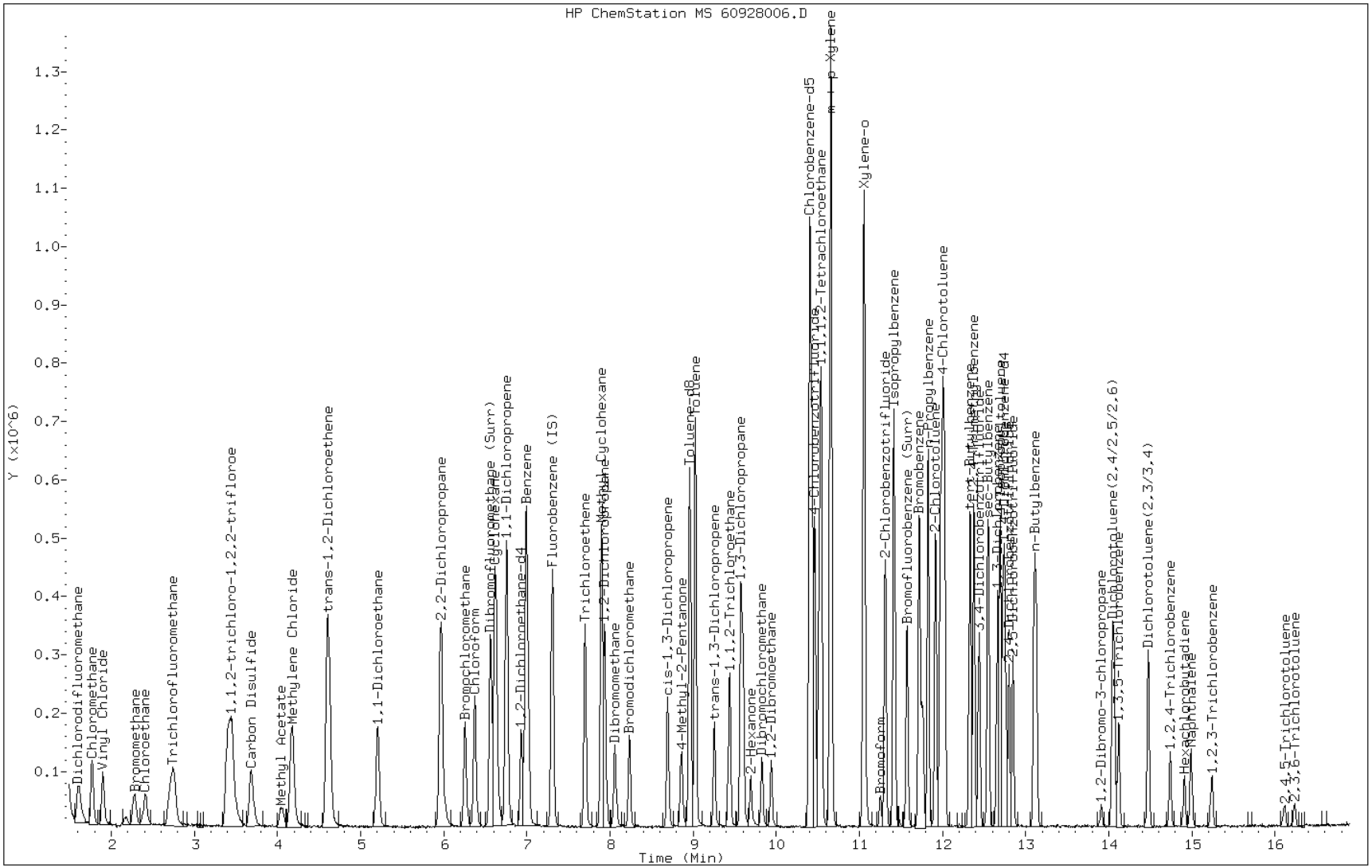
Q - Qualifier signal failed the ratio test.

Data File: 60928006.D

Date: 28-SEP-2012 12:03

Client ID: LCS | Instrument: hp6.i

Sample Info: LCS | Operator: 001562



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 180-50323/5
Matrix: Water
Lab File ID: 61001006.D
Analysis Method: 8260B
Date Collected:
Sample wt/vol: 5(mL)
Date Analyzed: 10/01/2012 10:41
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: DB-624 ID: 0.18(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 50323
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	14.7		5.0	2.5
71-43-2	Benzene	9.56		1.0	0.11
75-27-4	Bromodichloromethane	9.37		1.0	0.13
75-25-2	Bromoform	10.1		1.0	0.19
74-83-9	Bromomethane	12.1		1.0	0.31
78-93-3	2-Butanone (MEK)	9.82		5.0	0.55
75-15-0	Carbon disulfide	8.16		1.0	0.21
56-23-5	Carbon tetrachloride	9.34		1.0	0.14
108-90-7	Chlorobenzene	9.89		1.0	0.14
75-00-3	Chloroethane	12.2		1.0	0.21
67-66-3	Chloroform	10.3		1.0	0.17
124-48-1	Dibromochloromethane	9.88		1.0	0.14
96-12-8	1,2-Dibromo-3-Chloropropane	8.04		1.0	0.14
106-93-4	1,2-Dibromoethane (EDB)	9.19		1.0	0.18
75-34-3	1,1-Dichloroethane	10.5		1.0	0.12
107-06-2	1,2-Dichloroethane	11.1		1.0	0.21
75-35-4	1,1-Dichloroethene	9.46		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	9.30		1.0	0.17
78-87-5	1,2-Dichloropropane	10.0		1.0	0.095
10061-01-5	cis-1,3-Dichloropropene	7.53		1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	7.23		1.0	0.15
100-41-4	Ethylbenzene	9.26		1.0	0.23
591-78-6	2-Hexanone	7.51		5.0	0.16
75-09-2	Methylene Chloride	9.10		1.0	0.15
108-10-1	4-Methyl-2-pentanone (MIBK)	7.43		5.0	0.53
100-42-5	Styrene	9.28		1.0	0.097
79-34-5	1,1,2,2-Tetrachloroethane	8.28		1.0	0.20
127-18-4	Tetrachloroethene	10.9		1.0	0.15
108-88-3	Toluene	9.23		1.0	0.15
71-55-6	1,1,1-Trichloroethane	9.40		1.0	0.29
79-00-5	1,1,2-Trichloroethane	8.92		1.0	0.20
79-01-6	Trichloroethene	9.56		1.0	0.14
75-69-4	Trichlorofluoromethane	11.1		1.0	0.20
75-01-4	Vinyl chloride	8.72		1.0	0.23
1330-20-7	Xylenes, Total	27.8		3.0	0.49
110-82-7	Cyclohexane	9.04		1.0	0.25

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 180-50323/5
Matrix: Water
Lab File ID: 61001006.D
Analysis Method: 8260B
Date Collected:
Sample wt/vol: 5(mL)
Date Analyzed: 10/01/2012 10:41
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: DB-624 ID: 0.18(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 50323
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	9.12		1.0	0.24
75-71-8	Dichlorodifluoromethane	10.7		1.0	0.19
98-82-8	Isopropylbenzene	9.53		1.0	0.16
79-20-9	Methyl acetate	9.08		1.0	0.14
108-87-2	Methylcyclohexane	8.47		1.0	0.26
1634-04-4	Methyl tert-butyl ether	8.04		1.0	0.18
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10.0		1.0	0.32
95-50-1	1,2-Dichlorobenzene	9.59		1.0	0.15
541-73-1	1,3-Dichlorobenzene	9.07		1.0	0.11
106-46-7	1,4-Dichlorobenzene	9.17		1.0	0.21
120-82-1	1,2,4-Trichlorobenzene	9.82		1.0	0.27
74-87-3	Chloromethane	8.62		1.0	0.28

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		64-135
2037-26-5	Toluene-d8 (Surr)	89		71-118
460-00-4	4-Bromofluorobenzene (Surr)	95		70-118
1868-53-7	Dibromofluoromethane (Surr)	103		70-128

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6100112d.b\61001006.D
Lab Smp Id: LCS Client Smp ID: LCS
Inj Date : 01-OCT-2012 10:41
Operator : 001562 Inst ID: hp6.i
Smp Info : LCS
Misc Info : T6100112d.b,T8260bllw.m,1-mix.sub
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6100112d.b\T8260bllw.m
Meth Date : 01-Oct-2012 12:01 hp6.i Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 56
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-mix.sub
Target Version: 4.14
Processing Host: PITPC-002

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 46 Fluorobenzene (IS)	96	7.304	7.303	(1.000)	472110	50.0000	
* 69 Chlorobenzene-d5	119	10.400	10.399	(1.000)	104792	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.730	12.729	(1.000)	149674	50.0000	
$ 39 Dibromofluoromethane (Surr)	113	6.556	6.554	(0.898)	97589	51.2706	51.27
$ 43 1,2-Dichloroethane-d4	65	6.933	6.926	(0.949)	121095	57.0856	57.08
$ 59 Toluene-d8	98	8.959	8.957	(0.861)	423598	44.6072	44.61
$ 80 Bromofluorobenzene (Surr)	95	11.569	11.573	(1.112)	144321	47.5854	47.58
1 Dichlorodifluoromethane	85	1.592	1.590	(0.218)	127622	53.3365	53.34
2 Chloromethane	50	1.756	1.755	(0.240)	158395	43.0788	43.08
3 Vinyl Chloride	62	1.890	1.888	(0.259)	126028	43.6039	43.60
4 Bromomethane	94	2.255	2.253	(0.309)	54206	60.3540	60.35
5 Chloroethane	64	2.395	2.387	(0.328)	73597	60.8933	60.89
6 Trichlorofluoromethane	101	2.705	2.716	(0.370)	159847	55.3626	55.36
10 1,1,2-trichloro-1,2,2-trifluor	101	3.435	3.434	(0.470)	114934	50.0755	50.08
12 1,1-Dichloroethene	96	3.392	3.391	(0.464)	116373	47.2770	47.28
15 Carbon Disulfide	76	3.672	3.671	(0.503)	239760	40.7819	40.78
13 Acetone	43	3.502	3.507	(0.479)	45520	73.7436	73.74
18 Methylene Chloride	84	4.171	4.164	(0.571)	121093	45.4846	45.48
19 trans-1,2-Dichloroethene	96	4.591	4.590	(0.629)	118830	46.4833	46.48
20 Methyl tert-butyl ether	73	4.615	4.608	(0.632)	260069	40.2200	40.22
24 1,1-Dichloroethane	63	5.199	5.192	(0.712)	239685	52.5375	52.54
27 2,2-Dichloropropane	77	5.953	5.952	(0.815)	81581	36.6909	36.69
28 cis-1,2-dichloroethene	96	5.966	5.964	(0.817)	128271	45.6169	45.62
M 29 1,2-Dichloroethene (total)	96				247101	92.1002	92.10
30 Bromochloromethane	128	6.252	6.250	(0.856)	55579	49.3301	49.33
31 2-Butanone	43	6.014	6.007	(0.823)	54714	49.0830	49.08
37 Chloroform	83	6.367	6.372	(0.872)	189353	51.5434	51.54
38 1,1,1-Trichloroethane	97	6.562	6.554	(0.898)	139677	46.9942	46.99

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
	40 1,1-Dichloropropene	75	6.750	6.755	(0.924)	172677	48.1865	48.19
	41 Carbon Tetrachloride	117	6.750	6.749	(0.924)	107938	46.7225	46.72
	42 Benzene	78	6.988	6.986	(0.957)	508638	47.8117	47.81
	45 1,2-Dichloroethane	62	7.018	7.017	(0.961)	157025	55.6019	55.60
	47 Trichloroethene	130	7.699	7.704	(1.054)	125428	47.7764	47.78
	49 1,2-Dichloropropane	63	7.937	7.935	(1.087)	125730	50.0006	50.00
	50 Dibromomethane	93	8.058	8.057	(1.103)	59101	47.4671	47.47
	53 Bromodichloromethane	83	8.235	8.227	(1.127)	104634	46.8536	46.85
	57 cis-1,3-Dichloropropene	75	8.691	8.690	(1.190)	120030	37.6340	37.63
	58 4-Methyl-2-Pentanone	43	8.855	8.854	(0.851)	97528	37.1321	37.13
	60 Toluene	91	9.026	9.024	(0.868)	512652	46.1614	46.16
	61 trans-1,3-Dichloropropene	75	9.257	9.256	(0.890)	99230	36.1723	36.17
	63 1,3-Dichloropropane	76	9.604	9.602	(0.923)	160331	44.9989	45.00
	64 1,1,2-Trichloroethane	97	9.439	9.438	(0.908)	86749	44.5782	44.58
	65 Tetrachloroethene	164	9.573	9.572	(0.920)	100918	54.2914	54.29
	66 2-Hexanone	43	9.695	9.694	(0.932)	69300	37.5720	37.57
	67 Dibromochloromethane	129	9.829	9.827	(0.945)	64927	49.3795	49.38
	68 1,2-Dibromoethane	107	9.938	9.943	(0.956)	84228	45.9585	45.96
	70 Chlorobenzene	112	10.431	10.430	(1.003)	331831	49.4510	49.45
	71 1,1,1,2-Tetrachloroethane	131	10.510	10.515	(1.011)	82332	45.8957	45.90
	72 Ethylbenzene	106	10.540	10.539	(1.013)	185697	46.3160	46.32
	73 m + p-Xylene	106	10.656	10.655	(1.025)	450515	92.9580	92.96
	74 Xylene-o	106	11.051	11.050	(1.063)	219834	46.1960	46.20
M	75 Xylenes (total)	106				670349	139.154	139.2
	76 Styrene	104	11.064	11.062	(1.064)	342601	46.4152	46.42
	77 Bromoform	173	11.252	11.251	(1.082)	35251	50.7094	50.71
	78 Isopropylbenzene	105	11.416	11.421	(1.098)	534810	47.6555	47.66
	79 Bromobenzene	156	11.727	11.725	(0.921)	121326	44.3191	44.32
	81 n-Propylbenzene	120	11.830	11.829	(0.929)	148072	39.4602	39.46
	82 2-Chlorotoluene	126	11.915	11.920	(0.936)	132707	43.2920	43.29
	83 1,1,2,2-Tetrachloroethane	83	11.715	11.719	(0.920)	119197	41.3805	41.38
	84 1,2,3-Trichloropropane	110	11.763	11.762	(0.924)	39482	44.1815	44.18
	85 4-Chlorotoluene	126	12.025	12.030	(0.945)	140303	42.2160	42.22
	86 1,3,5-Trimethylbenzene	105	12.000	12.005	(0.943)	411368	42.4157	42.42
	87 tert-Butylbenzene	119	12.329	12.334	(0.968)	352531	41.5169	41.52
	88 1,2,4-Trimethylbenzene	105	12.378	12.376	(0.972)	413041	43.5036	43.50
	89 sec-Butylbenzene	105	12.548	12.553	(0.986)	485858	42.1130	42.11
	90 4-Isopropyltoluene	119	12.694	12.693	(0.997)	391024	41.8159	41.82
	91 1,3-Dichlorobenzene	146	12.664	12.662	(0.995)	219666	45.3603	45.36
	93 1,4-Dichlorobenzene	146	12.755	12.754	(1.002)	229565	45.8718	45.87
	94 n-Butylbenzene	91	13.102	13.106	(1.029)	324532	42.7457	42.74
	95 1,2-Dichlorobenzene	146	13.132	13.125	(1.032)	209540	47.9365	47.94
	96 1,2-Dibromo-3-chloropropane	157	13.911	13.915	(1.093)	13451	40.1847	40.18
	97 1,2,4-Trichlorobenzene	180	14.738	14.743	(1.158)	96206	49.0984	49.10
	98 Hexachlorobutadiene	225	14.908	14.907	(1.171)	42011	60.3944	60.39
	99 Naphthalene	128	14.994	14.992	(1.178)	261813	45.6185	45.62
	100 1,2,3-Trichlorobenzene	180	15.237	15.242	(1.197)	80980	51.5524	51.55
	156 Methyl Acetate	43	4.037	4.030	(0.553)	89725	45.3957	45.40
	157 Cyclohexane	56	6.623	6.615	(0.907)	261100	45.1948	45.19
	158 Methyl Cyclohexane	83	7.894	7.893	(1.081)	197219	42.3616	42.36
	160 1,3,5-Trichlorobenzene	180	14.124	14.116	(1.109)	127134	55.3728	55.37
	168 3-Chlorobenzotrifluoride	180	10.407	10.411	(1.001)	201156	49.3715	49.37
	169 4-Chlorobenzotrifluoride	180	10.467	10.460	(1.006)	191560	51.2625	51.26
	170 2-Chlorobenzotrifluoride	180	11.313	11.312	(1.088)	185795	50.7407	50.74

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
171 3-Chlorotoluene	126	11.976	11.975	(0.941)	164710	51.1753	51.18
172 3,4-Dichlorobenzotrifluoride	214	12.438	12.443	(0.977)	124607	48.1258	48.12
173 2,4-Dichlorobenzotrifluoride	214	12.797	12.802	(1.005)	105664	48.9978	49.00
174 2,5-Dichlorobenzotrifluoride	214	12.846	12.851	(1.009)	122570	49.1636	49.16
175 Dichlorotoluene(2,4/2,5/2,6)	125	14.057	14.049	(1.104)	440570	151.863	151.9
176 Dichlorotoluene(2,3/3,4)	125	14.476	14.475	(1.137)	304885	109.826	109.8
177 2,4,5-Trichlorotoluene	159	16.113	16.112	(1.266)	34095	44.1927	44.19
178 2,3,6-Trichlorotoluene	159	16.235	16.239	(1.275)	27697	46.0041	46.00
32 Vinyl Acetate	43	Compound Not Detected.					

Data File: 61001006.D

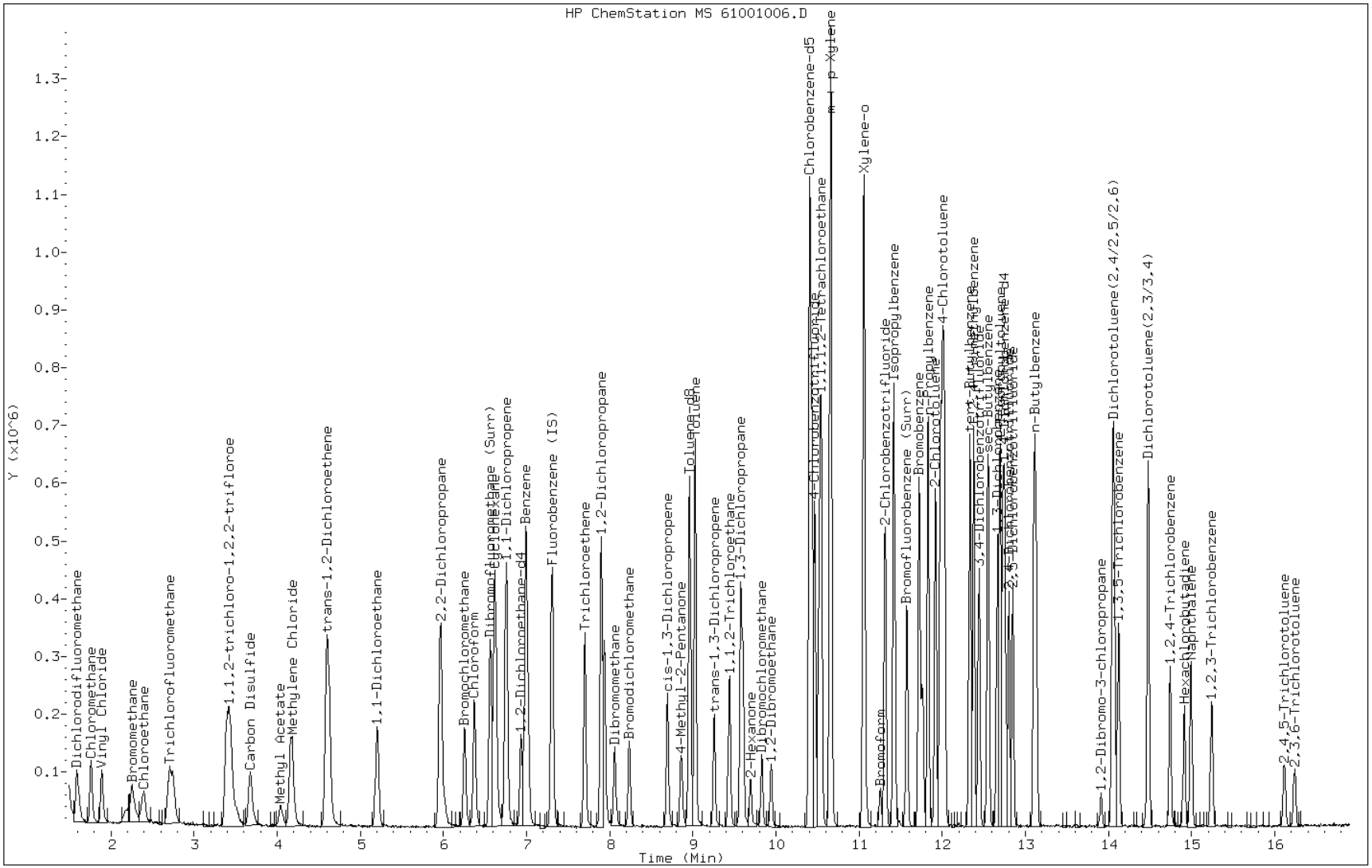
Date: 01-OCT-2012 10:41

Client ID: LCS

Instrument: hp6.i

Sample Info: LCS

Operator: 001562



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 180-50119/6
Matrix: Water
Lab File ID: 60928007.D
Analysis Method: 8260B
Date Collected:
Sample wt/vol: 5(mL)
Date Analyzed: 09/28/2012 12:27
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: DB-624 ID: 0.18(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 50119
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	11.2		5.0	2.5
71-43-2	Benzene	10.0		1.0	0.11
75-27-4	Bromodichloromethane	9.80		1.0	0.13
75-25-2	Bromoform	8.90		1.0	0.19
74-83-9	Bromomethane	12.3		1.0	0.31
78-93-3	2-Butanone (MEK)	9.11		5.0	0.55
75-15-0	Carbon disulfide	8.67		1.0	0.21
56-23-5	Carbon tetrachloride	10.0		1.0	0.14
108-90-7	Chlorobenzene	10.5		1.0	0.14
75-00-3	Chloroethane	12.1		1.0	0.21
67-66-3	Chloroform	10.4		1.0	0.17
124-48-1	Dibromochloromethane	9.96		1.0	0.14
96-12-8	1,2-Dibromo-3-Chloropropane	7.00		1.0	0.14
106-93-4	1,2-Dibromoethane (EDB)	9.81		1.0	0.18
75-34-3	1,1-Dichloroethane	10.7		1.0	0.12
107-06-2	1,2-Dichloroethane	10.9		1.0	0.21
75-35-4	1,1-Dichloroethene	9.88		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	9.97		1.0	0.17
78-87-5	1,2-Dichloropropane	10.5		1.0	0.095
10061-01-5	cis-1,3-Dichloropropene	7.96		1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	7.43		1.0	0.15
100-41-4	Ethylbenzene	9.81		1.0	0.23
591-78-6	2-Hexanone	7.86		5.0	0.16
75-09-2	Methylene Chloride	9.87		1.0	0.15
108-10-1	4-Methyl-2-pentanone (MIBK)	8.11		5.0	0.53
100-42-5	Styrene	9.62		1.0	0.097
79-34-5	1,1,2,2-Tetrachloroethane	10.0		1.0	0.20
127-18-4	Tetrachloroethene	11.4		1.0	0.15
108-88-3	Toluene	10.2		1.0	0.15
71-55-6	1,1,1-Trichloroethane	9.89		1.0	0.29
79-00-5	1,1,2-Trichloroethane	9.63		1.0	0.20
79-01-6	Trichloroethene	10.2		1.0	0.14
75-69-4	Trichlorofluoromethane	11.0		1.0	0.20
75-01-4	Vinyl chloride	9.49		1.0	0.23
1330-20-7	Xylenes, Total	28.9		3.0	0.49
110-82-7	Cyclohexane	9.62		1.0	0.25

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 180-50119/6
Matrix: Water
Lab File ID: 60928007.D
Analysis Method: 8260B
Date Collected:
Sample wt/vol: 5(mL)
Date Analyzed: 09/28/2012 12:27
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: DB-624 ID: 0.18(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 50119
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	9.87		1.0	0.24
75-71-8	Dichlorodifluoromethane	11.0		1.0	0.19
98-82-8	Isopropylbenzene	9.75		1.0	0.16
79-20-9	Methyl acetate	9.09		1.0	0.14
108-87-2	Methylcyclohexane	9.49		1.0	0.26
1634-04-4	Methyl tert-butyl ether	8.60		1.0	0.18
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10.6		1.0	0.32
95-50-1	1,2-Dichlorobenzene	9.95		1.0	0.15
541-73-1	1,3-Dichlorobenzene	10.2		1.0	0.11
106-46-7	1,4-Dichlorobenzene	9.97		1.0	0.21
120-82-1	1,2,4-Trichlorobenzene	7.00		1.0	0.27
74-87-3	Chloromethane	9.74		1.0	0.28
123-91-1	1,4-Dioxane	ND		200	34

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		64-135
2037-26-5	Toluene-d8 (Surr)	93		71-118
460-00-4	4-Bromofluorobenzene (Surr)	89		70-118
1868-53-7	Dibromofluoromethane (Surr)	100		70-128

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6092812d.b\60928007.D
Lab Smp Id: LCSD Client Smp ID: LCSD
Inj Date : 28-SEP-2012 12:27
Operator : 001562 Inst ID: hp6.i
Smp Info : LCSD
Misc Info : T6092812d.b,T8260bllw.m,1-mix.sub
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6092812d.b\T8260bllw.m
Meth Date : 28-Sep-2012 12:38 fergusond Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 57
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-mix.sub
Target Version: 4.14
Processing Host: PITPC-002

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 46 Fluorobenzene (IS)	96	7.308	7.305	(1.000)	502106	50.0000	
* 69 Chlorobenzene-d5	119	10.405	10.402	(1.000)	108131	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.729	12.726	(1.000)	125539	50.0000	
$ 39 Dibromofluoromethane (Surr)	113	6.560	6.563	(0.898)	101599	50.1886	50.19
$ 43 1,2-Dichloroethane-d4	65	6.931	6.934	(0.948)	125490	55.6234	55.62
$ 59 Toluene-d8	98	8.957	8.960	(0.861)	456287	46.5658	46.56
$ 80 Bromofluorobenzene (Surr)	95	11.573	11.570	(1.112)	139028	44.4246	44.42
1 Dichlorodifluoromethane	85	1.608	1.617	(0.220)	140554	55.2319	55.23
2 Chloromethane	50	1.766	1.769	(0.242)	190524	48.7214	48.72
3 Vinyl Chloride	62	1.900	1.897	(0.260)	145793	47.4288	47.43
4 Bromomethane	94	2.271	2.274	(0.311)	58594	61.3606	61.36
5 Chloroethane	64	2.405	2.402	(0.329)	77607	60.3752	60.38
6 Trichlorofluoromethane	101	2.721	2.731	(0.372)	168327	54.8168	54.82
10 1,1,2-trichloro-1,2,2-trifluor	101	3.445	3.454	(0.471)	129164	52.9134	52.91
12 1,1-Dichloroethene	96	3.397	3.394	(0.465)	129356	49.4119	49.41
15 Carbon Disulfide	76	3.683	3.680	(0.504)	271092	43.3566	43.36
13 Acetone	43	3.518	3.515	(0.481)	36705	55.9107	55.91
18 Methylene Chloride	84	4.169	4.172	(0.571)	139191	49.3364	49.34
19 trans-1,2-Dichloroethene	96	4.595	4.592	(0.629)	135585	49.8689	49.87
20 Methyl tert-butyl ether	73	4.619	4.616	(0.632)	295847	43.0198	43.02
24 1,1-Dichloroethane	63	5.203	5.200	(0.712)	260162	53.6192	53.62
27 2,2-Dichloropropane	77	5.964	5.955	(0.816)	89230	37.7336	37.73
28 cis-1,2-dichloroethene	96	5.970	5.967	(0.817)	147638	49.3677	49.37
M 29 1,2-Dichloroethene (total)	96				283223	99.2366	99.24
30 Bromochloromethane	128	6.262	6.259	(0.857)	63286	52.8150	52.81
31 2-Butanone	43	6.019	6.016	(0.824)	54012	45.5587	45.56
37 Chloroform	83	6.371	6.368	(0.872)	202633	51.8632	51.86
38 1,1,1-Trichloroethane	97	6.566	6.563	(0.898)	156367	49.4667	49.47

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
	40 1,1-Dichloropropene	75	6.755	6.758	(0.924)	188733	49.5207	49.52
	41 Carbon Tetrachloride	117	6.755	6.746	(0.924)	122831	49.9929	49.99
	42 Benzene	78	6.992	6.989	(0.957)	567853	50.1891	50.19
	45 1,2-Dichloroethane	62	7.016	7.019	(0.960)	163672	54.4933	54.49
	47 Trichloroethene	130	7.704	7.701	(1.054)	141884	50.8159	50.82
	49 1,2-Dichloropropane	63	7.941	7.938	(1.087)	140937	52.6998	52.70(Q)
	50 Dibromomethane	93	8.057	8.060	(1.102)	65602	49.5408	49.54
	53 Bromodichloromethane	83	8.233	8.230	(1.127)	116405	49.0105	49.01
	57 cis-1,3-Dichloropropene	75	8.695	8.692	(1.190)	134990	39.7960	39.80
	58 4-Methyl-2-Pentanone	43	8.860	8.857	(0.851)	109841	40.5287	40.53
	60 Toluene	91	9.024	9.027	(0.867)	581571	50.7501	50.75
	61 trans-1,3-Dichloropropene	75	9.255	9.252	(0.890)	105201	37.1647	37.16
	63 1,3-Dichloropropane	76	9.602	9.605	(0.923)	184728	50.2453	50.24
	64 1,1,2-Trichloroethane	97	9.431	9.435	(0.906)	96645	48.1300	48.13
	65 Tetrachloroethene	164	9.571	9.574	(0.920)	109261	56.9647	56.96
	66 2-Hexanone	43	9.693	9.690	(0.932)	74782	39.2921	39.29
	67 Dibromochloromethane	129	9.827	9.830	(0.944)	67599	49.8241	49.82
	68 1,2-Dibromoethane	107	9.942	9.946	(0.956)	92742	49.0415	49.04
	70 Chlorobenzene	112	10.429	10.432	(1.002)	363984	52.5676	52.57
	71 1,1,1,2-Tetrachloroethane	131	10.508	10.511	(1.010)	89095	48.1320	48.13
	72 Ethylbenzene	106	10.539	10.536	(1.013)	202846	49.0310	49.03
	73 m + p-Xylene	106	10.654	10.651	(1.024)	488457	97.6746	97.67
	74 Xylene-o	106	11.050	11.047	(1.062)	230262	46.8932	46.89
M	75 Xylenes (total)	106				718719	144.568	144.6
	76 Styrene	104	11.062	11.059	(1.063)	366259	48.0881	48.09
	77 Bromoform	173	11.250	11.253	(1.081)	31923	44.5039	44.50
	78 Isopropylbenzene	105	11.421	11.418	(1.098)	564795	48.7733	48.77
	79 Bromobenzene	156	11.725	11.722	(0.921)	122325	53.2745	53.27
	81 n-Propylbenzene	120	11.828	11.825	(0.929)	150771	47.9040	47.90
	82 2-Chlorotoluene	126	11.913	11.917	(0.936)	133174	51.7965	51.80
	83 1,1,2,2-Tetrachloroethane	83	11.713	11.716	(0.920)	121183	50.1579	50.16
	84 1,2,3-Trichloropropane	110	11.761	11.758	(0.924)	37515	50.0511	50.05
	85 4-Chlorotoluene	126	12.023	12.026	(0.945)	142758	51.2128	51.21
	86 1,3,5-Trimethylbenzene	105	11.999	12.002	(0.943)	407479	50.0920	50.09
	87 tert-Butylbenzene	119	12.327	12.330	(0.968)	346232	48.6141	48.61
	88 1,2,4-Trimethylbenzene	105	12.376	12.379	(0.972)	387452	48.6539	48.65
	89 sec-Butylbenzene	105	12.546	12.549	(0.986)	464513	48.0034	48.00
	90 4-Isopropyltoluene	119	12.692	12.695	(0.997)	368016	46.9216	46.92
	91 1,3-Dichlorobenzene	146	12.662	12.665	(0.995)	207609	51.1125	51.11
	93 1,4-Dichlorobenzene	146	12.753	12.750	(1.002)	209338	49.8719	49.87
	94 n-Butylbenzene	91	13.100	13.103	(1.029)	275292	43.2311	43.23
	95 1,2-Dichlorobenzene	146	13.124	13.127	(1.031)	182426	49.7570	49.76
	96 1,2-Dibromo-3-chloropropane	157	13.909	13.918	(1.093)	9828	35.0057	35.00
	97 1,2,4-Trichlorobenzene	180	14.736	14.739	(1.158)	57497	34.9847	34.98
	98 Hexachlorobutadiene	225	14.907	14.910	(1.171)	22376	38.3517	38.35
	99 Naphthalene	128	14.992	14.989	(1.178)	156925	32.5994	32.60
	100 1,2,3-Trichlorobenzene	180	15.241	15.238	(1.197)	43713	33.1780	33.18
	156 Methyl Acetate	43	4.054	4.038	(0.555)	95551	45.4553	45.46
	157 Cyclohexane	56	6.621	6.618	(0.906)	295431	48.0823	48.08
	158 Methyl Cyclohexane	83	7.892	7.895	(1.080)	234943	47.4497	47.45
	160 1,3,5-Trichlorobenzene	180	14.122	14.119	(1.109)	82243	42.7072	42.71
	168 3-Chlorobenzotrifluoride	180	10.405	10.408	(1.000)	217856	51.8192	51.82
	169 4-Chlorobenzotrifluoride	180	10.466	10.463	(1.006)	199411	51.7157	51.72
	170 2-Chlorobenzotrifluoride	180	11.311	11.308	(1.087)	190846	50.5107	50.51

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
171 3-Chlorotoluene	126	11.974	11.977	(0.941)	142441	52.7647	52.76
172 3,4-Dichlorobenzotrifluoride	214	12.443	12.440	(0.978)	114819	52.8709	52.87
173 2,4-Dichlorobenzotrifluoride	214	12.802	12.799	(1.006)	91967	50.8452	50.84
174 2,5-Dichlorobenzotrifluoride	214	12.850	12.847	(1.010)	110390	52.7906	52.79
175 Dichlorotoluene(2,4/2,5/2,6)	125	14.055	14.052	(1.104)	303286	124.640	124.6
176 Dichlorotoluene(2,3/3,4)	125	14.475	14.472	(1.137)	186778	80.2164	80.22
177 2,4,5-Trichlorotoluene	159	16.111	16.114	(1.266)	15210	23.5048	23.50
178 2,3,6-Trichlorotoluene	159	16.233	16.230	(1.275)	13954	27.6331	27.63
32 Vinyl Acetate	43	Compound Not Detected.					
35 Tetrahydrofuran	42	Compound Not Detected.					
52 1,4-Dioxane	88	Compound Not Detected.					

QC Flag Legend

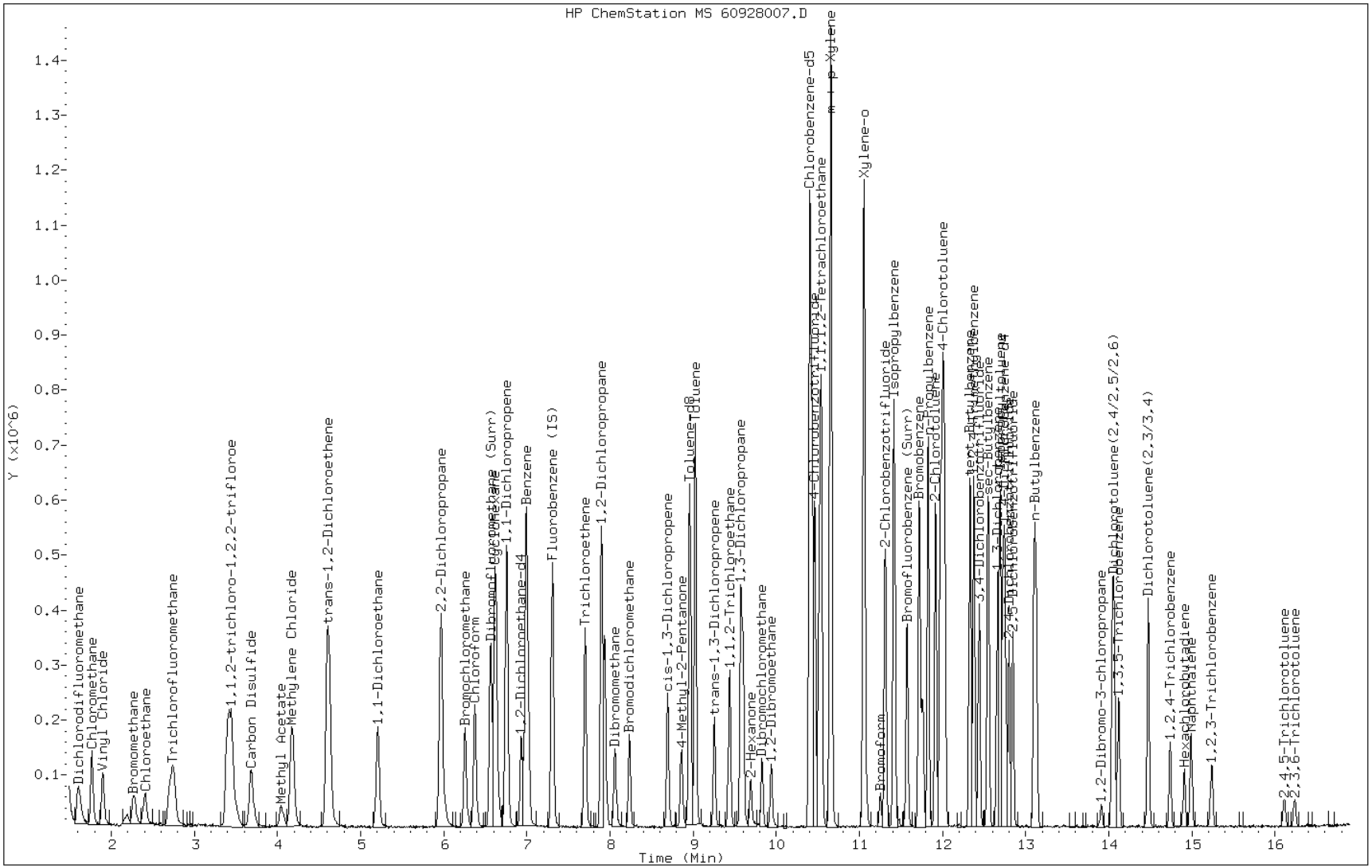
Q - Qualifier signal failed the ratio test.

Data File: 60928007.D

Date: 28-SEP-2012 12:27

Client ID: LCSD | Instrument: hp6.i

Sample Info: LCSD | Operator: 001562



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 180-50323/6
Matrix: Water
Lab File ID: 61001007.D
Analysis Method: 8260B
Date Collected:
Sample wt/vol: 5(mL)
Date Analyzed: 10/01/2012 11:05
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: DB-624 ID: 0.18(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 50323
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	15.7		5.0	2.5
71-43-2	Benzene	9.46		1.0	0.11
75-27-4	Bromodichloromethane	9.84		1.0	0.13
75-25-2	Bromoform	10.3		1.0	0.19
74-83-9	Bromomethane	10.8		1.0	0.31
78-93-3	2-Butanone (MEK)	10.3		5.0	0.55
75-15-0	Carbon disulfide	7.90		1.0	0.21
56-23-5	Carbon tetrachloride	9.42		1.0	0.14
108-90-7	Chlorobenzene	9.89		1.0	0.14
75-00-3	Chloroethane	12.1		1.0	0.21
67-66-3	Chloroform	10.5		1.0	0.17
124-48-1	Dibromochloromethane	10.3		1.0	0.14
96-12-8	1,2-Dibromo-3-Chloropropane	8.97		1.0	0.14
106-93-4	1,2-Dibromoethane (EDB)	9.32		1.0	0.18
75-34-3	1,1-Dichloroethane	10.4		1.0	0.12
107-06-2	1,2-Dichloroethane	11.4		1.0	0.21
75-35-4	1,1-Dichloroethene	9.83		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	9.81		1.0	0.17
78-87-5	1,2-Dichloropropane	10.1		1.0	0.095
10061-01-5	cis-1,3-Dichloropropene	8.09		1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	7.51		1.0	0.15
100-41-4	Ethylbenzene	9.20		1.0	0.23
591-78-6	2-Hexanone	7.79		5.0	0.16
75-09-2	Methylene Chloride	9.30		1.0	0.15
108-10-1	4-Methyl-2-pentanone (MIBK)	7.80		5.0	0.53
100-42-5	Styrene	9.45		1.0	0.097
79-34-5	1,1,2,2-Tetrachloroethane	8.30		1.0	0.20
127-18-4	Tetrachloroethene	10.6		1.0	0.15
108-88-3	Toluene	9.36		1.0	0.15
71-55-6	1,1,1-Trichloroethane	9.30		1.0	0.29
79-00-5	1,1,2-Trichloroethane	9.09		1.0	0.20
79-01-6	Trichloroethene	9.67		1.0	0.14
75-69-4	Trichlorofluoromethane	10.9		1.0	0.20
75-01-4	Vinyl chloride	8.65		1.0	0.23
1330-20-7	Xylenes, Total	28.0		3.0	0.49
110-82-7	Cyclohexane	9.00		1.0	0.25

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 180-50323/6
Matrix: Water
Lab File ID: 61001007.D
Analysis Method: 8260B
Date Collected:
Sample wt/vol: 5(mL)
Date Analyzed: 10/01/2012 11:05
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: DB-624 ID: 0.18(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 50323
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	9.28		1.0	0.24
75-71-8	Dichlorodifluoromethane	11.0		1.0	0.19
98-82-8	Isopropylbenzene	9.56		1.0	0.16
79-20-9	Methyl acetate	8.70		1.0	0.14
108-87-2	Methylcyclohexane	8.83		1.0	0.26
1634-04-4	Methyl tert-butyl ether	8.18		1.0	0.18
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	9.75		1.0	0.32
95-50-1	1,2-Dichlorobenzene	9.66		1.0	0.15
541-73-1	1,3-Dichlorobenzene	9.06		1.0	0.11
106-46-7	1,4-Dichlorobenzene	9.03		1.0	0.21
120-82-1	1,2,4-Trichlorobenzene	9.37		1.0	0.27
74-87-3	Chloromethane	8.70		1.0	0.28

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		64-135
2037-26-5	Toluene-d8 (Surr)	89		71-118
460-00-4	4-Bromofluorobenzene (Surr)	97		70-118
1868-53-7	Dibromofluoromethane (Surr)	98		70-128

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6100112d.b\61001007.D
Lab Smp Id: LCSD Client Smp ID: LCSD
Inj Date : 01-OCT-2012 11:05
Operator : 001562 Inst ID: hp6.i
Smp Info : LCSD
Misc Info : T6100112d.b,T8260bllw.m,1-mix.sub
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6100112d.b\T8260bllw.m
Meth Date : 01-Oct-2012 12:01 hp6.i Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 57
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-mix.sub
Target Version: 4.14
Processing Host: PITPC-002

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 46 Fluorobenzene (IS)	96	7.308	7.303	(1.000)	474507	50.0000	
* 69 Chlorobenzene-d5	119	10.404	10.399	(1.000)	105396	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.728	12.729	(1.000)	152556	50.0000	
$ 39 Dibromofluoromethane (Surr)	113	6.560	6.554	(0.898)	93621	48.9375	48.94
$ 43 1,2-Dichloroethane-d4	65	6.931	6.926	(0.948)	120324	56.4356	56.44
$ 59 Toluene-d8	98	8.956	8.957	(0.861)	422667	44.2541	44.25
$ 80 Bromofluorobenzene (Surr)	95	11.572	11.573	(1.112)	147459	48.3414	48.34
1 Dichlorodifluoromethane	85	1.589	1.590	(0.218)	132785	55.2140	55.21
2 Chloromethane	50	1.760	1.755	(0.241)	160681	43.4798	43.48
3 Vinyl Chloride	62	1.887	1.888	(0.258)	125634	43.2480	43.25
4 Bromomethane	94	2.259	2.253	(0.309)	48783	53.9071	53.91
5 Chloroethane	64	2.386	2.387	(0.327)	73218	60.2737	60.27
6 Trichlorofluoromethane	101	2.709	2.716	(0.371)	158489	54.6150	54.61
10 1,1,2-trichloro-1,2,2-trifluor	101	3.439	3.434	(0.471)	112482	48.7596	48.76
12 1,1-Dichloroethene	96	3.390	3.391	(0.464)	121552	49.1315	49.13
15 Carbon Disulfide	76	3.676	3.671	(0.503)	233389	39.4976	39.50
13 Acetone	43	3.506	3.507	(0.480)	48570	78.2872	78.29
18 Methylene Chloride	84	4.169	4.164	(0.570)	124340	46.5164	46.52
19 trans-1,2-Dichloroethene	96	4.589	4.590	(0.628)	126084	49.0717	49.07
20 Methyl tert-butyl ether	73	4.619	4.608	(0.632)	265760	40.8925	40.89
24 1,1-Dichloroethane	63	5.197	5.192	(0.711)	238038	51.9129	51.91
27 2,2-Dichloropropane	77	5.957	5.952	(0.815)	78948	35.3273	35.33
28 cis-1,2-dichloroethene	96	5.969	5.964	(0.817)	131102	46.3882	46.39
M 29 1,2-Dichloroethene (total)	96				257186	95.4599	95.46
30 Bromochloromethane	128	6.261	6.250	(0.857)	59472	52.5188	52.52
31 2-Butanone	43	6.018	6.007	(0.824)	57484	51.3075	51.31
37 Chloroform	83	6.371	6.372	(0.872)	194647	52.7168	52.72
38 1,1,1-Trichloroethane	97	6.560	6.554	(0.898)	138937	46.5091	46.51

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
40 1,1-Dichloropropene	75	6.754	6.755	(0.924)	176069	48.8848	48.88
41 Carbon Tetrachloride	117	6.748	6.749	(0.923)	109314	47.0791	47.08
42 Benzene	78	6.991	6.986	(0.957)	505666	47.2923	47.29
45 1,2-Dichloroethane	62	7.016	7.017	(0.960)	161689	56.9642	56.96
47 Trichloroethene	130	7.703	7.704	(1.054)	127537	48.3343	48.33
49 1,2-Dichloropropane	63	7.941	7.935	(1.087)	127025	50.2604	50.26
50 Dibromomethane	93	8.056	8.057	(1.102)	61690	49.2962	49.30
53 Bromodichloromethane	83	8.233	8.227	(1.127)	110389	49.1809	49.18
57 cis-1,3-Dichloropropene	75	8.695	8.690	(1.190)	129707	40.4627	40.46
58 4-Methyl-2-Pentanone	43	8.859	8.854	(0.851)	102980	38.9831	38.98
60 Toluene	91	9.029	9.024	(0.868)	522539	46.7820	46.78
61 trans-1,3-Dichloropropene	75	9.255	9.256	(0.889)	103602	37.5496	37.55
63 1,3-Dichloropropane	76	9.601	9.602	(0.923)	168053	46.8959	46.90
64 1,1,2-Trichloroethane	97	9.437	9.438	(0.907)	88927	45.4356	45.44
65 Tetrachloroethene	164	9.571	9.572	(0.920)	99151	53.0352	53.04
66 2-Hexanone	43	9.693	9.694	(0.932)	72232	38.9372	38.94
67 Dibromochloromethane	129	9.832	9.827	(0.945)	67887	51.3348	51.33
68 1,2-Dibromoethane	107	9.942	9.943	(0.956)	85856	46.5783	46.58
70 Chlorobenzene	112	10.429	10.430	(1.002)	333786	49.4573	49.46
71 1,1,1,2-Tetrachloroethane	131	10.514	10.515	(1.011)	81251	45.0335	45.03
72 Ethylbenzene	106	10.538	10.539	(1.013)	185582	46.0221	46.02
73 m + p-Xylene	106	10.654	10.655	(1.024)	463176	95.0227	95.02
74 Xylene-o	106	11.055	11.050	(1.063)	215923	45.1141	45.11
M 75 Xylenes (total)	106				679099	140.137	140.1
76 Styrene	104	11.067	11.062	(1.064)	350608	47.2277	47.23
77 Bromoform	173	11.256	11.251	(1.082)	35952	51.4214	51.42
78 Isopropylbenzene	105	11.420	11.421	(1.098)	539751	47.8202	47.82
79 Bromobenzene	156	11.724	11.725	(0.921)	125535	44.9903	44.99
81 n-Propylbenzene	120	11.828	11.829	(0.929)	151430	39.5928	39.59
82 2-Chlorotoluene	126	11.919	11.920	(0.936)	128075	40.9916	40.99
83 1,1,2,2-Tetrachloroethane	83	11.712	11.719	(0.920)	121805	41.4870	41.49
84 1,2,3-Trichloropropane	110	11.767	11.762	(0.924)	40075	43.9979	44.00
85 4-Chlorotoluene	126	12.029	12.030	(0.945)	140212	41.3916	41.39
86 1,3,5-Trimethylbenzene	105	12.004	12.005	(0.943)	410293	41.5056	41.50
87 tert-Butylbenzene	119	12.327	12.334	(0.968)	337584	39.0055	39.00
88 1,2,4-Trimethylbenzene	105	12.375	12.376	(0.972)	402654	41.6084	41.61
89 sec-Butylbenzene	105	12.552	12.553	(0.986)	480929	40.8982	40.90
90 4-Isopropyltoluene	119	12.692	12.693	(0.997)	390360	40.9563	40.96
91 1,3-Dichlorobenzene	146	12.667	12.662	(0.995)	223514	45.2830	45.28
93 1,4-Dichlorobenzene	146	12.753	12.754	(1.002)	230402	45.1693	45.17
94 n-Butylbenzene	91	13.105	13.106	(1.030)	320498	41.4169	41.42
95 1,2-Dichlorobenzene	146	13.130	13.125	(1.032)	215236	48.3094	48.31
96 1,2-Dibromo-3-chloropropane	157	13.908	13.915	(1.093)	15294	44.8274	44.83
97 1,2,4-Trichlorobenzene	180	14.742	14.743	(1.158)	93600	46.8660	46.87
98 Hexachlorobutadiene	225	14.912	14.907	(1.172)	37534	52.9390	52.94
99 Naphthalene	128	14.991	14.992	(1.178)	255459	43.6705	43.67
100 1,2,3-Trichlorobenzene	180	15.241	15.242	(1.197)	77252	48.2501	48.25
156 Methyl Acetate	43	4.041	4.030	(0.553)	86395	43.4901	43.49
157 Cyclohexane	56	6.614	6.615	(0.905)	261260	44.9940	44.99
158 Methyl Cyclohexane	83	7.898	7.893	(1.081)	206600	44.1524	44.15
160 1,3,5-Trichlorobenzene	180	14.121	14.116	(1.109)	115092	49.1810	49.18
168 3-Chlorobenzotrifluoride	180	10.410	10.411	(1.001)	192981	47.0936	47.09
169 4-Chlorobenzotrifluoride	180	10.465	10.460	(1.006)	185133	49.2587	49.26
170 2-Chlorobenzotrifluoride	180	11.311	11.312	(1.087)	185540	50.3807	50.38

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
171 3-Chlorotoluene	126	11.980	11.975	(0.941)	147069	44.8310	44.83
172 3,4-Dichlorobenzotrifluoride	214	12.442	12.443	(0.978)	122490	46.4145	46.41
173 2,4-Dichlorobenzotrifluoride	214	12.801	12.802	(1.006)	103444	47.0622	47.06
174 2,5-Dichlorobenzotrifluoride	214	12.850	12.851	(1.010)	115045	45.2735	45.27
175 Dichlorotoluene(2,4/2,5/2,6)	125	14.048	14.049	(1.104)	410530	138.835	138.8
176 Dichlorotoluene(2,3/3,4)	125	14.474	14.475	(1.137)	283230	100.098	100.1
177 2,4,5-Trichlorotoluene	159	16.117	16.112	(1.266)	30346	38.5903	38.59
178 2,3,6-Trichlorotoluene	159	16.238	16.239	(1.276)	27058	44.0937	44.09
32 Vinyl Acetate	43	Compound Not Detected.					

Data File: 61001007.D

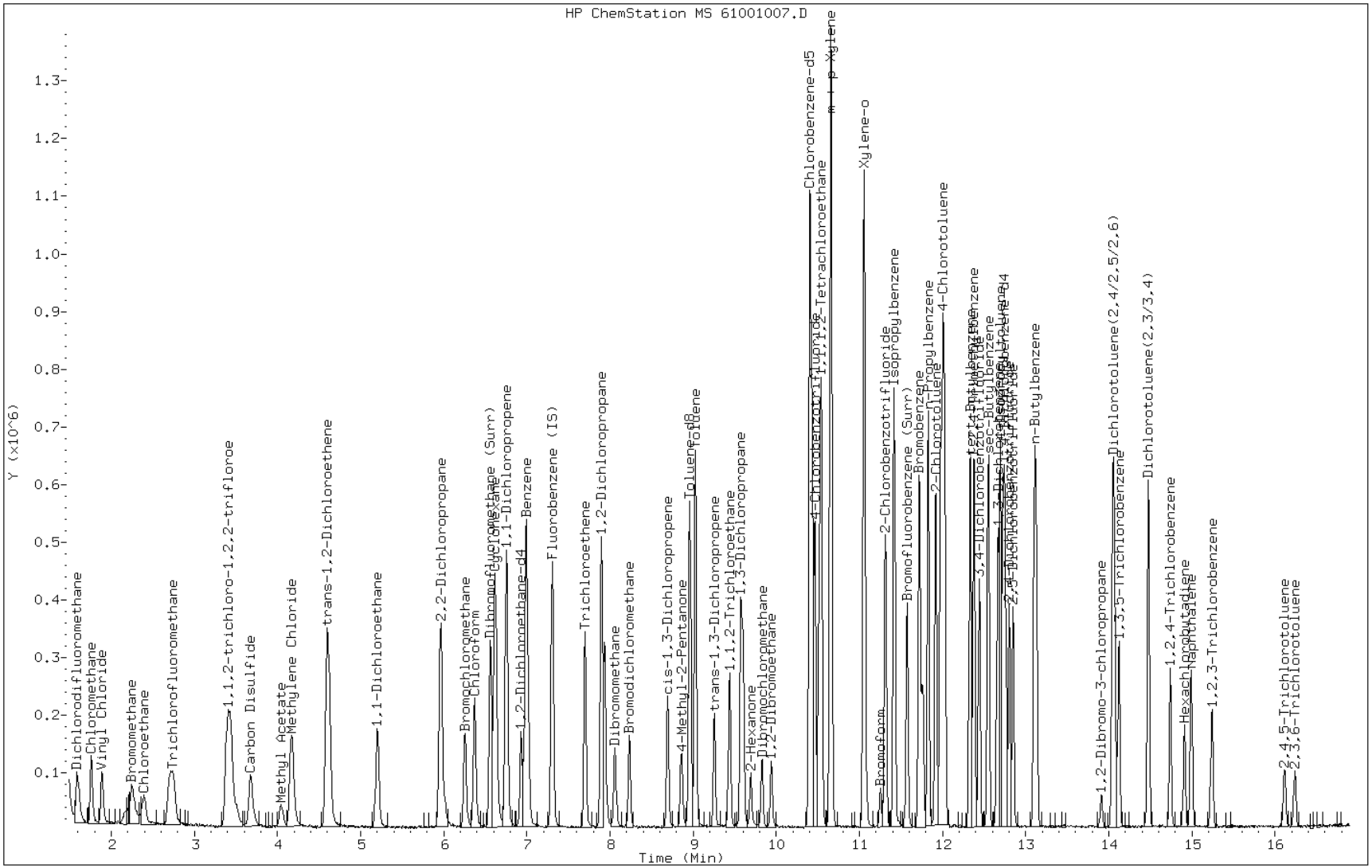
Date: 01-OCT-2012 11:05

Client ID: LCSD

Instrument: hp6.i

Sample Info: LCSD

Operator: 001562



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Instrument ID: HP6 Start Date: 09/12/2012 13:35

Analysis Batch Number: 48202 End Date: 09/12/2012 19:50

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 180-48202/1		09/12/2012 13:35	1	60912007.D	DB-624 0.18(mm)
IC 180-48202/2		09/12/2012 14:47	1	60912009.D	DB-624 0.18(mm)
ICIS 180-48202/3		09/12/2012 15:11	1	60912010.D	DB-624 0.18(mm)
IC 180-48202/4		09/12/2012 15:35	1	60912011.D	DB-624 0.18(mm)
IC 180-48202/5		09/12/2012 15:59	1	60912012.D	DB-624 0.18(mm)
IC 180-48202/6		09/12/2012 16:23	1	60912013.D	DB-624 0.18(mm)
IC 180-48202/7		09/12/2012 16:47	1	60912014.D	DB-624 0.18(mm)
IC 180-48202/8		09/12/2012 18:08	1	60912017.D	DB-624 0.18(mm)
ICV 180-48202/9		09/12/2012 19:50	1		DB-624 0.18(mm)

8260B

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Instrument ID: HP6 Start Date: 09/13/2012 08:04

Analysis Batch Number: 48350 End Date: 09/13/2012 13:46

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 180-48350/1		09/13/2012 08:04	1	60913002.D	DB-624 0.18(mm)
IC 180-48350/2		09/13/2012 09:45	1	60913004.D	DB-624 0.18(mm)
ICIS 180-48350/3		09/13/2012 10:08	1	60913005.D	DB-624 0.18(mm)
IC 180-48350/4		09/13/2012 10:32	1	60913006.D	DB-624 0.18(mm)
IC 180-48350/5		09/13/2012 10:55	1	60913007.D	DB-624 0.18(mm)
IC 180-48350/6		09/13/2012 11:20	1	60913008.D	DB-624 0.18(mm)
IC 180-48350/7		09/13/2012 11:45	1	60913009.D	DB-624 0.18(mm)
IC 180-48350/8		09/13/2012 12:57	1	60913012.D	DB-624 0.18(mm)
ICV 180-48350/9		09/13/2012 13:46	1		DB-624 0.18(mm)

8260B

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Instrument ID: HP6 Start Date: 09/19/2012 08:00

Analysis Batch Number: 48940 End Date: 09/19/2012 11:55

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 180-48940/1		09/19/2012 08:00	1	60919003.D	DB-624 0.18(mm)
IC 180-48940/2		09/19/2012 08:39	1	60919004.D	DB-624 0.18(mm)
IC 180-48940/3		09/19/2012 09:03	1	60919005.D	DB-624 0.18(mm)
ICIS 180-48940/4		09/19/2012 09:27	1	60919006.D	DB-624 0.18(mm)
IC 180-48940/5		09/19/2012 09:51	1	60919007.D	DB-624 0.18(mm)
IC 180-48940/6		09/19/2012 10:15	1	60919008.D	DB-624 0.18(mm)
IC 180-48940/7		09/19/2012 10:39	1	60919009.D	DB-624 0.18(mm)
IC 180-48940/8		09/19/2012 11:03	1	60919010.D	DB-624 0.18(mm)
ICV 180-48940/9		09/19/2012 11:55	1		DB-624 0.18(mm)

8260B

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Instrument ID: HP6 Start Date: 09/28/2012 09:20

Analysis Batch Number: 50119 End Date: 09/28/2012 20:30

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 180-50119/1		09/28/2012 09:20	1	60928001.D	DB-624 0.18(mm)
CCVIS 180-50119/2		09/28/2012 09:55	1	60928002.D	DB-624 0.18(mm)
CCV 180-50119/3		09/28/2012 10:23	1	60928003.D	DB-624 0.18(mm)
MB 180-50119/4		09/28/2012 11:01	1	60928004.D	DB-624 0.18(mm)
LCS 180-50119/5		09/28/2012 12:03	1	60928006.D	DB-624 0.18(mm)
LCSD 180-50119/6		09/28/2012 12:27	1	60928007.D	DB-624 0.18(mm)
180-14634-1	TRIP BLANK	09/28/2012 13:15	1	60928009.D	DB-624 0.18(mm)
180-14634-2	MW-104	09/28/2012 13:39	250	60928010.D	DB-624 0.18(mm)
180-14634-3	MW-105	09/28/2012 14:03	2	60928011.D	DB-624 0.18(mm)
180-14634-4	MW-109	09/28/2012 14:27	1	60928012.D	DB-624 0.18(mm)
180-14634-12	FB-2	09/28/2012 14:51	1	60928013.D	DB-624 0.18(mm)
180-14634-5	MW-114	09/28/2012 15:15	150	60928014.D	DB-624 0.18(mm)
180-14634-6	MW-101	09/28/2012 15:39	1	60928015.D	DB-624 0.18(mm)
180-14634-7	MW-102	09/28/2012 16:03	1	60928016.D	DB-624 0.18(mm)
180-14634-8	MW-106	09/28/2012 16:28	100	60928017.D	DB-624 0.18(mm)
180-14634-10	TMP-1	09/28/2012 16:52	1	60928018.D	DB-624 0.18(mm)
180-14634-11	TMP-5	09/28/2012 17:16	1	60928019.D	DB-624 0.18(mm)
180-14634-13	TMP-3	09/28/2012 17:40	1	60928020.D	DB-624 0.18(mm)
ZZZZZ		09/28/2012 18:05	1		DB-624 0.18(mm)
ZZZZZ		09/28/2012 18:29	1		DB-624 0.18(mm)
ZZZZZ		09/28/2012 18:53	1		DB-624 0.18(mm)
ZZZZZ		09/28/2012 19:18	1		DB-624 0.18(mm)
ZZZZZ		09/28/2012 19:41	1		DB-624 0.18(mm)
ZZZZZ		09/28/2012 20:06	1		DB-624 0.18(mm)
ZZZZZ		09/28/2012 20:30	10		DB-624 0.18(mm)

8260B

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Instrument ID: HP6 Start Date: 10/01/2012 08:21

Analysis Batch Number: 50323 End Date: 10/01/2012 19:32

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 180-50323/1		10/01/2012 08:21	1	61001001.D	DB-624 0.18(mm)
CCVIS 180-50323/2		10/01/2012 09:03	1	61001002.D	DB-624 0.18(mm)
CCV 180-50323/3		10/01/2012 09:29	1	61001003.D	DB-624 0.18(mm)
MB 180-50323/4		10/01/2012 10:17	1	61001005.D	DB-624 0.18(mm)
LCS 180-50323/5		10/01/2012 10:41	1	61001006.D	DB-624 0.18(mm)
LCSD 180-50323/6		10/01/2012 11:05	1	61001007.D	DB-624 0.18(mm)
ZZZZZ		10/01/2012 11:29	1		DB-624 0.18(mm)
ZZZZZ		10/01/2012 11:54	1		DB-624 0.18(mm)
ZZZZZ		10/01/2012 12:17	2		DB-624 0.18(mm)
ZZZZZ		10/01/2012 13:05	25		DB-624 0.18(mm)
ZZZZZ		10/01/2012 13:29	1		DB-624 0.18(mm)
ZZZZZ		10/01/2012 13:52	50		DB-624 0.18(mm)
180-14634-9	MW-110	10/01/2012 14:16	1	61001014.D	DB-624 0.18(mm)
ZZZZZ		10/01/2012 14:41	1		DB-624 0.18(mm)
ZZZZZ		10/01/2012 15:05	10		DB-624 0.18(mm)
ZZZZZ		10/01/2012 15:29	1		DB-624 0.18(mm)
ZZZZZ		10/01/2012 15:54	1		DB-624 0.18(mm)
ZZZZZ		10/01/2012 16:18	1		DB-624 0.18(mm)
ZZZZZ		10/01/2012 16:42	1		DB-624 0.18(mm)
ZZZZZ		10/01/2012 17:06	1		DB-624 0.18(mm)
ZZZZZ		10/01/2012 17:31	1		DB-624 0.18(mm)
ZZZZZ		10/01/2012 17:55	1		DB-624 0.18(mm)
ZZZZZ		10/01/2012 18:19	1		DB-624 0.18(mm)
ZZZZZ		10/01/2012 18:44	1		DB-624 0.18(mm)
ZZZZZ		10/01/2012 19:08	1		DB-624 0.18(mm)
ZZZZZ		10/01/2012 19:32	1		DB-624 0.18(mm)

Method 8270C

Semivolatile Organic Compounds (GC/MS) by Method 8270C

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Rxi-5SilMS ID: 0.32 (mm)

Client Sample ID	Lab Sample ID	2FP	#	PHL	#	NBZ	#	FBP	#	TBP	#	TPH	#
MW-104	180-14634-2	58	D	66	D	64	D	55	D	69	D	93	D
MW-105	180-14634-3	56		57		62		56		73		63	
MW-105 DL	180-14634-3 DL	62		66		63		58		73		72	
MW-109	180-14634-4	59		66		63		61		52		91	
MW-114	180-14634-5	61	D	62	D	68	D	56	D	70	D	82	D
MW-101	180-14634-6	57		63		61		56		51		88	
MW-102	180-14634-7	55		56		67		61		64		97	
MW-106	180-14634-8	67		72		71		60		77		88	
TMP-5	180-14634-11	57		65		63		55		56		95	
FB-2	180-14634-12	58		64		61		58		58		101	
TMP-3	180-14634-13	56		63		59		58		59		97	
	MB 180-49519/1-A	68		70		66		61		67		89	
	LCS 180-49519/2-A	76		78		75		74		86		94	
	LCSD 180-49519/3-A	75		76		73		73		81		96	

	QC LIMITS
2FP = 2-Fluorophenol	10-111
PHL = Phenol-d5	15-112
NBZ = Nitrobenzene-d5	23-112
FBP = 2-Fluorobiphenyl	19-107
TBP = 2,4,6-Tribromophenol	16-122
TPH = Terphenyl-d14	10-132

Column to be used to flag recovery values

FORM II 8270C LL

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Matrix: Water Level: Low Lab File ID: V0960015.D

Lab ID: LCS 180-49519/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acenaphthene	20.0	14.4	72	35-99	
Acenaphthylene	20.0	15.6	78	37-107	
Acetophenone	20.0	14.8	74	30-150	
Anthracene	20.0	14.1	71	35-105	
Atrazine	20.0	24.5	122	30-150	
Benzaldehyde	20.0	9.68	48	30-150	
Benzo[a]anthracene	20.0	15.5	77	38-101	
Benzo[b]fluoranthene	20.0	14.8	74	29-98	
Benzo[k]fluoranthene	20.0	14.4	72	28-107	
Benzo[g,h,i]perylene	20.0	14.5	73	20-115	
Benzo[a]pyrene	20.0	15.7	79	26-108	
Bis(2-chloroethoxy)methane	20.0	14.4	72	33-98	
Bis(2-chloroethyl)ether	20.0	13.7	69	33-95	
Bis(2-ethylhexyl) phthalate	20.0	15.9	80	20-116	
Butyl benzyl phthalate	20.0	16.0	80	36-108	
1,1'-Biphenyl	20.0	14.2	71	30-150	
Caprolactam	20.0	15.3	77	30-150	
Carbazole	20.0	13.2	66	29-112	
Chrysene	20.0	15.9	79	37-99	
2-Chloronaphthalene	20.0	14.1	71	34-96	
2-Chlorophenol	20.0	14.4	72	31-99	
2,4-Dichlorophenol	20.0	14.7	74	34-104	
2,4-Dimethylphenol	20.0	15.0	75	33-97	
2,4-Dinitrophenol	20.0	13.4	67	10-130	
2,4-Dinitrotoluene	20.0	14.7	73	37-115	
2,6-Dinitrotoluene	20.0	14.9	75	39-113	
2-Methylnaphthalene	20.0	14.7	73	34-98	
2-Methylphenol	20.0	13.4	67	33-98	
2-Nitroaniline	20.0	13.9	69	29-112	
2-Nitrophenol	20.0	15.0	75	34-107	
2,2'-oxybis[1-chloropropane]	20.0	13.7	68	30-99	
2,4,5-Trichlorophenol	20.0	13.7	69	34-104	
2,4,6-Trichlorophenol	20.0	14.6	73	36-103	
4-Nitroaniline	20.0	13.8	69	20-124	
4-Nitrophenol	20.0	13.5	68	29-115	
4-Chlorophenyl phenyl ether	20.0	14.9	74	34-103	
Methylphenol, 3 & 4	40.0	30.6	77	32-100	
4,6-Dinitro-2-methylphenol	20.0	13.7	68	24-124	
4-Chloroaniline	20.0	15.3	76	10-99	
4-Chloro-3-methylphenol	20.0	14.6	73	35-104	
4-Bromophenyl phenyl ether	20.0	15.2	76	37-104	
Dibenz(a,h)anthracene	20.0	12.8	64	19-118	

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Matrix: Water Level: Low Lab File ID: V0960015.D

Lab ID: LCS 180-49519/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dibenzofuran	20.0	14.1	70	34-101	
Di-n-butyl phthalate	20.0	13.8	69	37-111	
Diethyl phthalate	20.0	14.3	72	36-109	
Dimethyl phthalate	20.0	14.4	72	37-106	
Di-n-octyl phthalate	20.0	17.0	85	11-127	
3,3'-Dichlorobenzidine	20.0	15.5	78	10-89	
3-Nitroaniline	20.0	14.4	72	11-104	
Fluoranthene	20.0	13.6	68	32-112	
Fluorene	20.0	14.9	74	34-104	
Hexachlorobenzene	20.0	15.7	79	35-102	
Hexachlorobutadiene	20.0	14.0	70	35-100	
Hexachlorocyclopentadiene	20.0	15.9	79	36-115	
Hexachloroethane	20.0	13.8	69	32-94	
Indeno[1,2,3-cd]pyrene	20.0	13.7	68	22-115	
Isophorone	20.0	15.2	76	38-102	
Naphthalene	20.0	14.1	71	35-97	
Nitrobenzene	20.0	14.2	71	37-100	
N-Nitrosodiphenylamine	20.0	15.0	75	32-102	
N-Nitrosodi-n-propylamine	20.0	14.6	73	34-101	
Pyrene	20.0	16.8	84	35-106	
Phenol	20.0	13.3	67	32-95	
Phenanthrene	20.0	14.6	73	32-104	
Pentachlorophenol	20.0	11.7	59	15-111	
1,4-Dioxane	20.0	13.8	69	23-88	

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Matrix: Water Level: Low Lab File ID: V0960016.D

Lab ID: LCSD 180-49519/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	20.0	14.1	71	2	41	35-99	
Acenaphthylene	20.0	15.1	76	3	40	37-107	
Acetophenone	20.0	15.0	75	1	35	30-150	
Anthracene	20.0	14.1	70	1	37	35-105	
Atrazine	20.0	24.0	120	2	35	30-150	
Benzaldehyde	20.0	9.51	48	2	35	30-150	
Benzo[a]anthracene	20.0	15.6	78	1	36	38-101	
Benzo[b]fluoranthene	20.0	14.7	74	0	46	29-98	
Benzo[k]fluoranthene	20.0	14.9	74	3	31	28-107	
Benzo[g,h,i]perylene	20.0	14.9	75	2	44	20-115	
Benzo[a]pyrene	20.0	15.8	79	1	40	26-108	
Bis(2-chloroethoxy)methane	20.0	14.7	74	2	46	33-98	
Bis(2-chloroethyl)ether	20.0	13.7	69	0	38	33-95	
Bis(2-ethylhexyl) phthalate	20.0	16.0	80	1	40	20-116	
Butyl benzyl phthalate	20.0	16.0	80	0	40	36-108	
1,1'-Biphenyl	20.0	14.0	70	1	35	30-150	
Caprolactam	20.0	15.7	79	3	35	30-150	
Carbazole	20.0	12.8	64	3	35	29-112	
Chrysene	20.0	16.3	82	3	42	37-99	
2-Chloronaphthalene	20.0	14.0	70	1	39	34-96	
2-Chlorophenol	20.0	14.3	72	0	39	31-99	
2,4-Dichlorophenol	20.0	14.7	74	0	41	34-104	
2,4-Dimethylphenol	20.0	14.4	72	4	40	33-97	
2,4-Dinitrophenol	20.0	11.1	55	19	53	10-130	
2,4-Dinitrotoluene	20.0	13.9	69	6	39	37-115	
2,6-Dinitrotoluene	20.0	14.8	74	1	40	39-113	
2-Methylnaphthalene	20.0	14.6	73	0	42	34-98	
2-Methylphenol	20.0	13.6	68	2	38	33-98	
2-Nitroaniline	20.0	13.5	67	3	65	29-112	
2-Nitrophenol	20.0	15.0	75	0	41	34-107	
2,2'-oxybis[1-chloropropane]	20.0	13.4	67	2	42	30-99	
2,4,5-Trichlorophenol	20.0	12.4	62	10	39	34-104	
2,4,6-Trichlorophenol	20.0	13.9	70	5	39	36-103	
4-Nitroaniline	20.0	13.4	67	3	45	20-124	
4-Nitrophenol	20.0	11.5	58	16	42	29-115	
4-Chlorophenyl phenyl ether	20.0	14.3	71	4	38	34-103	
Methylphenol, 3 & 4	40.0	30.7	77	0	41	32-100	
4,6-Dinitro-2-methylphenol	20.0	12.9	64	6	41	24-124	
4-Chloroaniline	20.0	15.3	76	0	39	10-99	
4-Chloro-3-methylphenol	20.0	14.8	74	2	42	35-104	
4-Bromophenyl phenyl ether	20.0	15.3	77	1	40	37-104	
Dibenz(a,h)anthracene	20.0	12.9	64	0	44	19-118	

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Matrix: Water Level: Low Lab File ID: V0960016.D

Lab ID: LCSD 180-49519/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Dibenzofuran	20.0	13.8	69	2	39	34-101	
Di-n-butyl phthalate	20.0	13.9	69	1	38	37-111	
Diethyl phthalate	20.0	14.0	70	2	39	36-109	
Dimethyl phthalate	20.0	14.1	70	2	42	37-106	
Di-n-octyl phthalate	20.0	16.8	84	1	44	11-127	
3,3'-Dichlorobenzidine	20.0	15.3	76	1	56	10-89	
3-Nitroaniline	20.0	14.0	70	3	48	11-104	
Fluoranthene	20.0	13.7	69	1	39	32-112	
Fluorene	20.0	14.3	72	4	40	34-104	
Hexachlorobenzene	20.0	16.0	80	2	35	35-102	
Hexachlorobutadiene	20.0	14.3	71	2	41	35-100	
Hexachlorocyclopentadiene	20.0	15.8	79	0	47	36-115	
Hexachloroethane	20.0	13.7	68	1	39	32-94	
Indeno[1,2,3-cd]pyrene	20.0	14.0	70	3	54	22-115	
Isophorone	20.0	15.1	76	0	43	38-102	
Naphthalene	20.0	14.4	72	2	43	35-97	
Nitrobenzene	20.0	13.9	69	3	42	37-100	
N-Nitrosodiphenylamine	20.0	15.5	77	3	36	32-102	
N-Nitrosodi-n-propylamine	20.0	15.0	75	2	43	34-101	
Pyrene	20.0	17.3	87	3	42	35-106	
Phenol	20.0	13.4	67	0	39	32-95	
Phenanthrene	20.0	14.9	74	2	36	32-104	
Pentachlorophenol	20.0	9.94	50	16	42	15-111	
1,4-Dioxane	20.0	13.5	68	2	20	23-88	

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab File ID: V0960014.D Lab Sample ID: MB 180-49519/1-A

Matrix: Water Date Extracted: 09/25/2012 05:31

Instrument ID: 731 Date Analyzed: 09/26/2012 13:47

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 180-49519/2-A	V0960015.D	09/26/2012 14:34
	LCSD 180-49519/3-A	V0960016.D	09/26/2012 14:57
MW-104	180-14634-2	V0960017.D	09/26/2012 19:45
MW-105	180-14634-3	V0960018.D	09/26/2012 20:09
MW-109	180-14634-4	V0960019.D	09/26/2012 20:33
MW-101	180-14634-6	V0960021.D	09/26/2012 21:21
MW-102	180-14634-7	V0960022.D	09/26/2012 21:44
TMP-5	180-14634-11	V0960024.D	09/26/2012 22:32
FB-2	180-14634-12	V0960025.D	09/26/2012 22:55
TMP-3	180-14634-13	V0960026.D	09/26/2012 23:19
MW-105 DL	180-14634-3 DL	V0927001.D	09/27/2012 15:41
MW-114	180-14634-5	V0927002.D	09/27/2012 16:05
MW-106	180-14634-8	V0927003.D	09/27/2012 16:30

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab File ID: V0912DF1.D DFTPP Injection Date: 09/12/2012

Instrument ID: 731 DFTPP Injection Time: 10:22

Analysis Batch No.: 48209

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	35.6	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	38.8	
70	Less than 2.0 % of mass 69	0.3	(0.9)1
127	40.0 - 60.0 % of mass 198	47.0	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.7	
275	10.0 - 30.0 % of mass 198	21.2	
365	Greater than 1.0 % of mass 198	2.3	
441	Present but less than mass 443	9.0	(70.6)1
442	Greater than 40.0 % of mass 198	64.4	
443	17.0 - 23.0 % of mass 442	12.8	(19.9)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 180-48209/1	V09120CC.D	09/12/2012	11:01
	IC 180-48209/3	V0912IC1.D	09/12/2012	11:24
	IC 180-48209/4	V0912IC2.D	09/12/2012	11:47
	IC 180-48209/5	V0912IC4.D	09/12/2012	12:11
	IC 180-48209/6	V0912IC5.D	09/12/2012	12:34
	IC 180-48209/7	V0912IC6.D	09/12/2012	12:58
	IC 180-48209/8	V0912IC7.D	09/12/2012	13:23
	IC 180-48209/9	V0912IC8.D	09/12/2012	13:48

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab File ID: V0926DF1.D DFTPP Injection Date: 09/26/2012

Instrument ID: 731 DFTPP Injection Time: 12:40

Analysis Batch No.: 49849

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	38.6	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	40.4	
70	Less than 2.0 % of mass 69	0.2	(0.4)1
127	40.0 - 60.0 % of mass 198	49.5	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.8	
275	10.0 - 30.0 % of mass 198	22.4	
365	Greater than 1.0 % of mass 198	2.1	
441	Present but less than mass 443	9.0	(68.5)1
442	Greater than 40.0 % of mass 198	70.4	
443	17.0 - 23.0 % of mass 442	13.2	(18.7)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 180-49849/1	V09260CC.D	09/26/2012	13:01
	MB 180-49519/1-A	V0960014.D	09/26/2012	13:47
	LCS 180-49519/2-A	V0960015.D	09/26/2012	14:34
	LCSD 180-49519/3-A	V0960016.D	09/26/2012	14:57
MW-104	180-14634-2	V0960017.D	09/26/2012	19:45
MW-105	180-14634-3	V0960018.D	09/26/2012	20:09
MW-109	180-14634-4	V0960019.D	09/26/2012	20:33
MW-101	180-14634-6	V0960021.D	09/26/2012	21:21
MW-102	180-14634-7	V0960022.D	09/26/2012	21:44
TMP-5	180-14634-11	V0960024.D	09/26/2012	22:32
FB-2	180-14634-12	V0960025.D	09/26/2012	22:55
TMP-3	180-14634-13	V0960026.D	09/26/2012	23:19

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab File ID: V0927DF1.D DFTPP Injection Date: 09/27/2012

Instrument ID: 731 DFTPP Injection Time: 10:57

Analysis Batch No.: 50044

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	41.0	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	44.9	
70	Less than 2.0 % of mass 69	0.3	(0.7)1
127	40.0 - 60.0 % of mass 198	51.1	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.3	
275	10.0 - 30.0 % of mass 198	21.6	
365	Greater than 1.0 % of mass 198	2.2	
441	Present but less than mass 443	8.3	(69.6)1
442	Greater than 40.0 % of mass 198	58.8	
443	17.0 - 23.0 % of mass 442	11.9	(20.2)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 180-50044/26	V09270CC.D	09/27/2012	11:18
MW-105 DL	180-14634-3 DL	V0927001.D	09/27/2012	15:41
MW-114	180-14634-5	V0927002.D	09/27/2012	16:05
MW-106	180-14634-8	V0927003.D	09/27/2012	16:30

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Sample No.: CCVIS 180-49849/1 Date Analyzed: 09/26/2012 13:01

Instrument ID: 731 GC Column: Rxi-5SilMS ID: 0.32(mm)

Lab File ID (Standard): V09260CC.D Heated Purge: (Y/N) N

Calibration ID: 6629

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		175072	4.58	694093	5.55	406704	6.90
UPPER LIMIT		350144	5.08	1388186	6.05	813408	7.40
LOWER LIMIT		87536	4.08	347047	5.05	203352	6.40
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 180-49519/1-A		194467	4.57	765153	5.55	471198	6.90
LCS 180-49519/2-A		189040	4.58	750189	5.55	446766	6.90
LCSD 180-49519/3-A		203087	4.57	799486	5.55	489271	6.89
180-14634-2	MW-104	207399	4.56	806785	5.53	488953	6.88
180-14634-3	MW-105	179918	4.56	661590	5.54	394362	6.88
180-14634-4	MW-109	218796	4.56	863662	5.54	501174	6.88
180-14634-6	MW-101	193120	4.56	739100	5.53	428237	6.88
180-14634-7	MW-102	183962	4.56	694515	5.53	389346	6.88
180-14634-11	TMP-5	208565	4.56	807486	5.53	479491	6.88
180-14634-12	FB-2	197938	4.56	793631	5.53	446140	6.88
180-14634-13	TMP-3	183538	4.56	731060	5.53	421709	6.88

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C LL

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Sample No.: CCVIS 180-49849/1 Date Analyzed: 09/26/2012 13:01

Instrument ID: 731 GC Column: Rxi-5SilMS ID: 0.32(mm)

Lab File ID (Standard): V09260CC.D Heated Purge: (Y/N) N

Calibration ID: 6629

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		690203	8.04	563281	10.09	523582	11.51
UPPER LIMIT		1380406	8.54	1126562	10.59	1047164	12.01
LOWER LIMIT		345102	7.54	281641	9.59	261791	11.01
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 180-49519/1-A		812821	8.04	628093	10.10	585135	11.51
LCS 180-49519/2-A		742040	8.04	563784	10.10	527995	11.53
LCSD 180-49519/3-A		779727	8.04	573549	10.10	547073	11.51
180-14634-2	MW-104	794943	8.03	538312	10.10	543587	11.51
180-14634-3	MW-105	556119	8.03	471752	10.09	530992	11.51
180-14634-4	MW-109	774504	8.03	550890	10.09	554846	11.50
180-14634-6	MW-101	696010	8.02	522316	10.08	536914	11.49
180-14634-7	MW-102	622056	8.03	462236	10.08	505373	11.49
180-14634-11	TMP-5	757746	8.02	509073	10.08	530307	11.49
180-14634-12	FB-2	699709	8.03	493980	10.08	504247	11.49
180-14634-13	TMP-3	647466	8.02	470196	10.08	481596	11.49

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C LL

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Sample No.: CCVIS 180-50044/26 Date Analyzed: 09/27/2012 11:18

Instrument ID: 731 GC Column: Rxi-5SilMS ID: 0.32(mm)

Lab File ID (Standard): V09270CC.D Heated Purge: (Y/N) N

Calibration ID: 6629

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		173045	4.63	692359	5.60	375674	6.96
UPPER LIMIT		346090	5.13	1384718	6.10	751348	7.46
LOWER LIMIT		86523	4.13	346180	5.10	187837	6.46
LAB SAMPLE ID	CLIENT SAMPLE ID						
180-14634-3 DL	MW-105 DL	190275	4.62	734978	5.58	420876	6.93
180-14634-5	MW-114	199964	4.61	756599	5.59	463790	6.93
180-14634-8	MW-106	202954	4.61	806711	5.58	466055	6.94

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C LL

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Sample No.: CCVIS 180-50044/26 Date Analyzed: 09/27/2012 11:18

Instrument ID: 731 GC Column: Rxi-5SilMS ID: 0.32(mm)

Lab File ID (Standard): V09270CC.D Heated Purge: (Y/N) N

Calibration ID: 6629

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		628924	8.10	502107	10.16	454783	11.60
UPPER LIMIT		1257848	8.60	1004214	10.66	909566	12.10
LOWER LIMIT		314462	7.60	251054	9.66	227392	11.10
LAB SAMPLE ID	CLIENT SAMPLE ID						
180-14634-3 DL	MW-105 DL	662959	8.08	490994	10.17	498733	11.62
180-14634-5	MW-114	738146	8.08	578784	10.18	569823	11.63
180-14634-8	MW-106	783355	8.08	549558	10.16	515593	11.62

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C LL

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1
SDG No.:
Client Sample ID: MW-104 | Lab Sample ID: 180-14634-2
Matrix: Water | Lab File ID: V0960017.D
Analysis Method: 8270C LL | Date Collected: 09/19/2012 08:30
Extract. Method: 3520C | Date Extracted: 09/25/2012 05:31
Sample wt/vol: 1020(mL) | Date Analyzed: 09/26/2012 19:45
Con. Extract Vol.: 1.0(mL) | Dilution Factor: 25
Injection Volume: 2(uL) | Level: (low/med) Low
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 49849 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		4.9	0.35
208-96-8	Acenaphthylene	ND		4.9	0.37
98-86-2	Acetophenone	ND		25	2.0
120-12-7	Anthracene	ND		4.9	3.7
1912-24-9	Atrazine	ND		25	2.2
100-52-7	Benzaldehyde	ND		25	3.7
56-55-3	Benzo[a]anthracene	ND		4.9	0.36
205-99-2	Benzo[b]fluoranthene	ND		4.9	0.38
207-08-9	Benzo[k]fluoranthene	ND		4.9	1.3
191-24-2	Benzo[g,h,i]perylene	ND		4.9	0.37
50-32-8	Benzo[a]pyrene	ND		4.9	0.33
111-91-1	Bis(2-chloroethoxy)methane	ND		25	1.4
111-44-4	Bis(2-chloroethyl)ether	6.9		4.9	0.62
117-81-7	Bis(2-ethylhexyl) phthalate	ND		49	31
85-68-7	Butyl benzyl phthalate	ND		25	3.5
92-52-4	1,1'-Biphenyl	1.7	J	25	1.0
105-60-2	Caprolactam	ND		120	29
86-74-8	Carbazole	ND		4.9	0.39
218-01-9	Chrysene	ND		4.9	0.34
91-58-7	2-Chloronaphthalene	ND		4.9	0.37
95-57-8	2-Chlorophenol	12	J	25	4.0
120-83-2	2,4-Dichlorophenol	ND		4.9	0.82
105-67-9	2,4-Dimethylphenol	19	J	25	2.1
51-28-5	2,4-Dinitrophenol	ND		120	15
121-14-2	2,4-Dinitrotoluene	ND		25	1.3
606-20-2	2,6-Dinitrotoluene	ND		25	2.0
91-57-6	2-Methylnaphthalene	ND		4.9	0.30
95-48-7	2-Methylphenol	5.4	J	25	2.1
88-74-4	2-Nitroaniline	ND		120	8.6
88-75-5	2-Nitrophenol	ND		25	4.2
108-60-1	2,2'-oxybis[1-chloropropane]	81		4.9	0.48
95-95-4	2,4,5-Trichlorophenol	ND		25	3.7
88-06-2	2,4,6-Trichlorophenol	ND		25	4.3
100-01-6	4-Nitroaniline	ND		120	4.2

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1
SDG No.:
Client Sample ID: MW-104 | Lab Sample ID: 180-14634-2
Matrix: Water | Lab File ID: V0960017.D
Analysis Method: 8270C LL | Date Collected: 09/19/2012 08:30
Extract. Method: 3520C | Date Extracted: 09/25/2012 05:31
Sample wt/vol: 1020(mL) | Date Analyzed: 09/26/2012 19:45
Con. Extract Vol.: 1.0(mL) | Dilution Factor: 25
Injection Volume: 2(uL) | Level: (low/med) Low
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 49849 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	ND		120	16
7005-72-3	4-Chlorophenyl phenyl ether	ND		25	1.2
106-44-5	Methylphenol, 3 & 4	ND		25	2.2
534-52-1	4,6-Dinitro-2-methylphenol	ND		120	5.4
106-47-8	4-Chloroaniline	ND		25	2.2
59-50-7	4-Chloro-3-methylphenol	ND		25	1.8
101-55-3	4-Bromophenyl phenyl ether	ND		25	1.6
53-70-3	Dibenz(a,h)anthracene	ND		4.9	0.38
132-64-9	Dibenzofuran	ND		25	1.5
84-74-2	Di-n-butyl phthalate	ND		25	3.1
84-66-2	Diethyl phthalate	7.8	J	25	3.6
131-11-3	Dimethyl phthalate	ND		25	1.9
117-84-0	Di-n-octyl phthalate	ND		25	5.1
91-94-1	3,3'-Dichlorobenzidine	ND		25	2.7
99-09-2	3-Nitroaniline	ND		120	7.9
206-44-0	Fluoranthene	ND		4.9	0.40
86-73-7	Fluorene	ND		4.9	0.53
118-74-1	Hexachlorobenzene	ND		4.9	0.45
87-68-3	Hexachlorobutadiene	ND		4.9	0.41
77-47-4	Hexachlorocyclopentadiene	ND		25	1.3
67-72-1	Hexachloroethane	ND		25	1.5
193-39-5	Indeno[1,2,3-cd]pyrene	ND		4.9	0.49
78-59-1	Isophorone	ND		25	1.6
91-20-3	Naphthalene	35		4.9	0.34
98-95-3	Nitrobenzene	ND		49	2.1
86-30-6	N-Nitrosodiphenylamine	ND		25	2.1
621-64-7	N-Nitrosodi-n-propylamine	ND		4.9	0.75
129-00-0	Pyrene	ND		4.9	0.38
108-95-2	Phenol	ND		4.9	1.4
85-01-8	Phenanthrene	ND		4.9	1.0
87-86-5	Pentachlorophenol	ND		25	1.6
123-91-1	1,4-Dioxane	40	J	49	3.5

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-104 | Lab Sample ID: 180-14634-2

Matrix: Water | Lab File ID: V0960017.D

Analysis Method: 8270C LL | Date Collected: 09/19/2012 08:30

Extract. Method: 3520C | Date Extracted: 09/25/2012 05:31

Sample wt/vol: 1020(mL) | Date Analyzed: 09/26/2012 19:45

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 25

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49849 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	69	D	16-122
321-60-8	2-Fluorobiphenyl	55	D	19-107
367-12-4	2-Fluorophenol	58	D	10-111
4165-60-0	Nitrobenzene-d5	64	D	23-112
4165-62-2	Phenol-d5	66	D	15-112
1718-51-0	Terphenyl-d14	93	D	10-132

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV092612.b\V0960017.D
Lab Smp Id: 180-14634-B-2-A Client Smp ID: MW-104
Inj Date : 26-SEP-2012 19:45
Operator : 003200 Inst ID: 731.i
Smp Info : 180-14634-B-2-A,25
Misc Info : 180-14634-B-2-A
Comment :
Method : \\PITSVR06\D\chem\731.i\TV092612.b\T8270ll.m
Meth Date : 26-Sep-2012 13:25 piccolinov Quant Type: ISTD
Cal Date : 12-SEP-2012 13:48 Cal File: V0912IC8.D
Als bottle: 19
Dil Factor: 25.00000
Integrator: HP RTE Compound Sublist: padepi.sub
Target Version: 4.14
Processing Host: PITPC-502

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 1 1,4-Dichlorobenzene-d4	152	4.562	4.580	(1.000)	207399	8.00000	
* 2 Naphthalene-d8	136	5.534	5.552	(1.000)	806785	8.00000	
* 3 Acenaphthene-d10	164	6.880	6.899	(1.000)	488953	8.00000	
* 4 Phenanthrene-d10	188	8.029	8.042	(1.000)	794943	8.00000	
* 5 Chrysene-d12	240	10.096	10.093	(1.000)	538312	8.00000	
* 6 Perylene-d12	264	11.512	11.514	(1.000)	543587	8.00000	
198 1,4-Dioxane	88	1.479	1.466	(0.324)	26228	3.22517	80.629(M)
10 N-Nitrosodimethylamine	74	Compound Not Detected.					
9 Pyridine	79	Compound Not Detected.					
16 Methyl methanesulfonate	80	Compound Not Detected.					
206 Benzaldehyde	77	Compound Not Detected.					
21 Aniline	93	4.311	4.324	(0.945)	160371	4.08927	102.23
22 Phenol	94	Compound Not Detected.					
23 bis(2-Chloroethyl)ether	93	4.369	4.377	(0.958)	15401	0.56293	14.073
24 2-Chlorophenol	128	4.407	4.420	(0.966)	34114	0.97632	24.408
26 1,3-Dichlorobenzene	146	4.524	4.537	(0.992)	36504	0.87439	21.860
27 1,4-Dichlorobenzene	146	4.578	4.591	(1.004)	332912	7.78569	194.64
28 1,2-Dichlorobenzene	146	4.695	4.708	(1.029)	1078290	26.1373	653.43
217 Indene	116	Compound Not Detected.					
29 Benzyl Alcohol	108	Compound Not Detected.					
30 2-Methylphenol	108	4.765	4.778	(1.044)	13179	0.44159	11.040
31 2,2'-oxybis(1-Chloropropane)	45	4.775	4.794	(1.047)	260174	6.61614	165.40
37 Acetophenone	105	Compound Not Detected.					
32 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192 4-Methylphenol	108	Compound Not Detected.					
34 Hexachloroethane	117	Compound Not Detected.					
35 Nitrobenzene	77	Compound Not Detected.					
36 N-Nitrosopyrrolidine	100	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
41 Isophorone	82	Compound Not Detected.					
42 2-Nitrophenol	139	Compound Not Detected.					
43 2,4-Dimethylphenol	107	5.283	5.296	(0.955)	47875	1.53709	38.427
44 bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
48 2,4-Dichlorophenol	162	Compound Not Detected.					
49 Benzoic Acid	122	Compound Not Detected.					
50 1,2,4-Trichlorobenzene	180	5.491	5.510	(0.992)	3594	0.09896	2.4740
51 Naphthalene	128	5.550	5.568	(1.003)	295997	2.85450	71.362
52 4-Chloroaniline	127	Compound Not Detected.					
54 2,6-Dichlorophenol	162	Compound Not Detected.					
56 Hexachlorobutadiene	224	Compound Not Detected.					
208 Caprolactam	113	Compound Not Detected.					
59 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
62 2-Methylnaphthalene	142	6.084	6.097	(1.099)	1261	0.01793	0.44814
63 1-Methylnaphthalene	142	6.159	6.172	(1.113)	1028	0.01557	0.38929
64 Hexachlorocyclopentadiene	236	Compound Not Detected.					
65 1,2,4,5-Tetrachlorobenzene	215	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	Compound Not Detected.					
67 2,4,5-Trichlorophenol	196	Compound Not Detected.					
209 1,1'-Biphenyl	154	6.437	6.455	(0.936)	12335	0.13537	3.3842
70 2-Chloronaphthalene	162	Compound Not Detected.					
73 2-Nitroaniline	65	Compound Not Detected.					
76 Dimethylphthalate	163	Compound Not Detected.					
78 2,6-Dinitrotoluene	165	Compound Not Detected.					
79 Acenaphthylene	152	Compound Not Detected.					
81 3-Nitroaniline	138	Compound Not Detected.					
82 Acenaphthene	153	Compound Not Detected.					
83 2,4-Dinitrophenol	184	Compound Not Detected.					
85 4-Nitrophenol	109	Compound Not Detected.					
86 Dibenzofuran	168	Compound Not Detected.					
87 2,4-Dinitrotoluene	165	Compound Not Detected.					
91 2,3,5,6-Tetrachlorophenol	231	Compound Not Detected.					
88 2,3,4,6-Tetrachlorophenol	231	Compound Not Detected.					
92 2-Naphthylamine	143	Compound Not Detected.					
93 Diethylphthalate	149	7.201	7.219	(1.047)	48720	0.63782	15.946
94 Fluorene	166	Compound Not Detected.					
95 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96 4-Nitroaniline	138	Compound Not Detected.					
98 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99 N-Nitrosodiphenylamine (1)	169	Compound Not Detected.					
100 1,2-Diphenylhydrazine	77	Compound Not Detected.					
106 4-Bromophenyl-phenylether	248	Compound Not Detected.					
107 Hexachlorobenzene	283	Compound Not Detected.					
210 Atrazine	200	Compound Not Detected.					
111 Pentachlorophenol	265	Compound Not Detected.					
115 Phenanthrene	178	Compound Not Detected.					
116 Anthracene	178	Compound Not Detected.					
119 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	Compound Not Detected.					
123 Fluoranthene	202	Compound Not Detected.					
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	Compound Not Detected.					
131 Butylbenzylphthalate	149	Compound Not Detected.					
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
136 Benzo(a)Anthracene	228	Compound Not Detected.					
137 Chrysene	228	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	Compound Not Detected.					
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	Compound Not Detected.					
142 Benzo(k)fluoranthene	252	Compound Not Detected.					
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
146 Benzo(a)pyrene	252	Compound Not Detected.					
149 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
150 Dibenz(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 154 Nitrobenzene-d5	82	4.984	4.997	(0.901)	31416	1.01725	25.431
$ 155 2-Fluorobiphenyl	172	6.357	6.375	(0.924)	71722	0.88706	22.176
$ 156 Terphenyl-d14	244	9.247	9.260	(0.916)	77089	1.49363	37.341
$ 157 Phenol-d5	99	4.305	4.313	(0.944)	53938	1.58619	39.655
$ 158 2-Fluorophenol	112	3.563	3.565	(0.781)	38623	1.39484	34.871
$ 159 2,4,6-Tribromophenol	330	7.489	7.508	(0.933)	15356	1.66332	41.583
$ 186 2-Chlorophenol-d4	132	4.396	4.404	(0.964)	52816	1.50189	37.547
$ 187 1,2-Dichlorobenzene-d4	152	4.685	4.698	(1.027)	18794	0.74804	18.701

QC Flag Legend

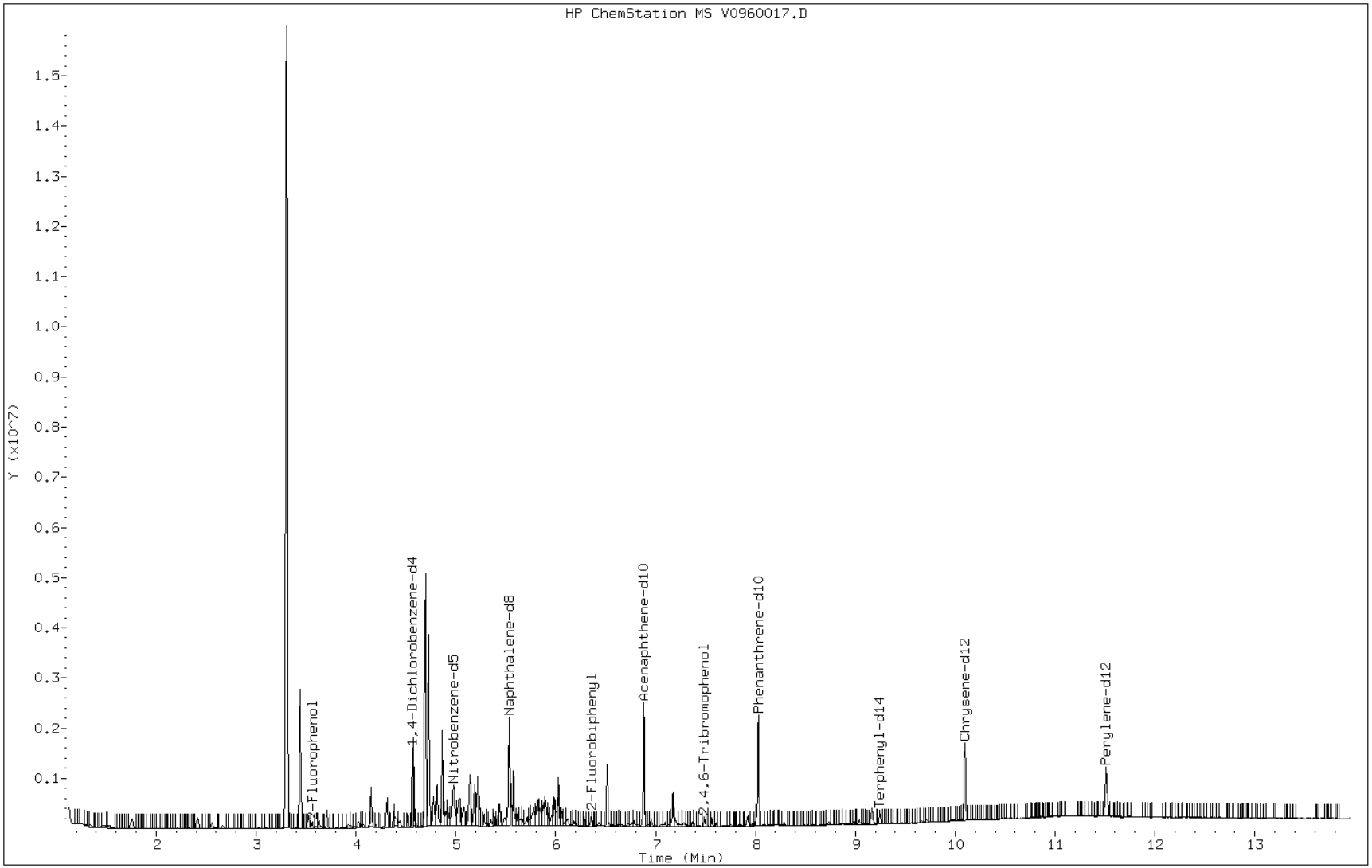
M - Compound response manually integrated.

Data File: V0960017.D

Date: 26-SEP-2012 19:45

Client ID: MW-104 Instrument: 731.i

Sample Info: 180-14634-B-2-A,25 Operator: 003200



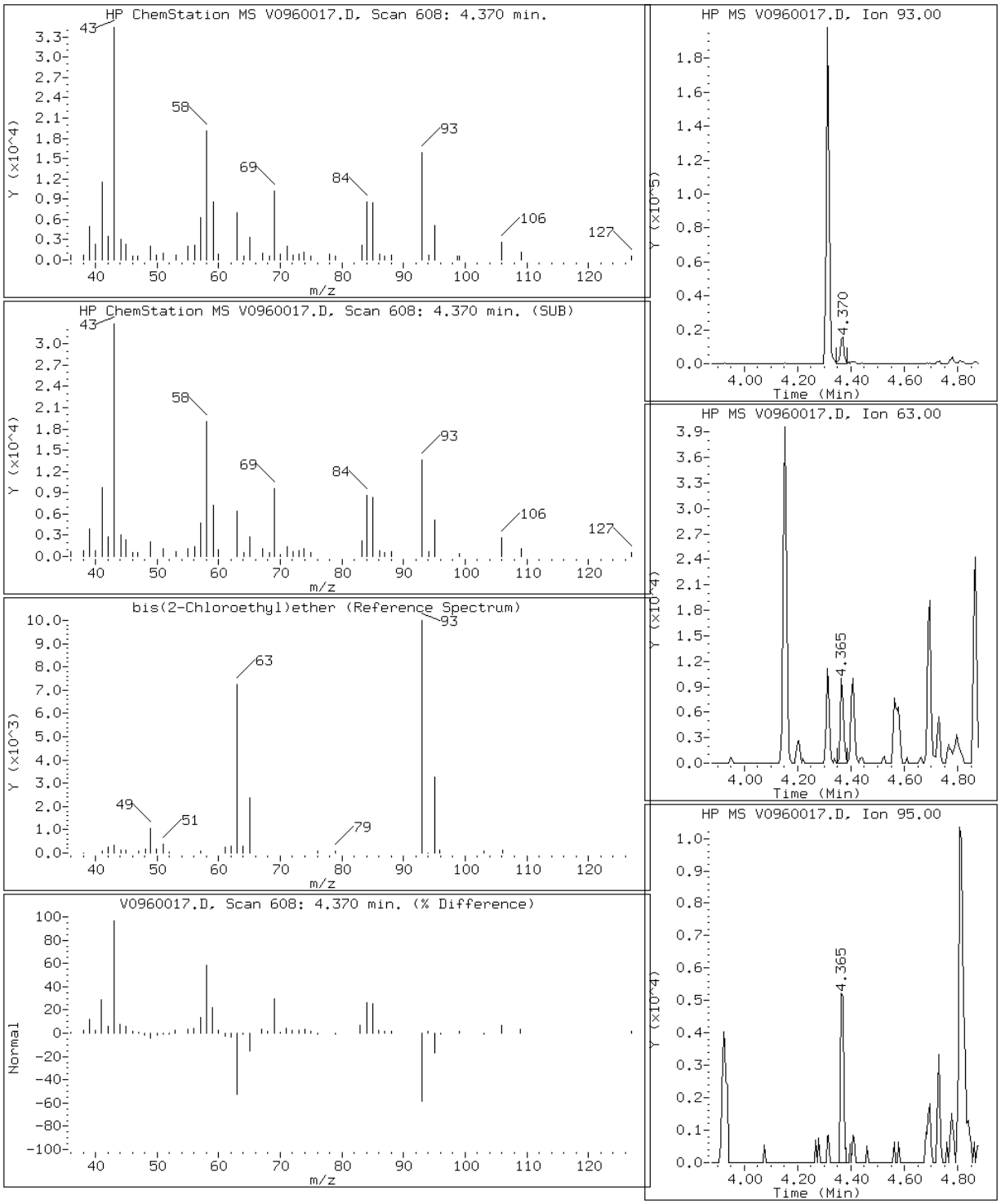
Data File: V0960017.D

Date: 26-SEP-2012 19:45

Client ID: MW-104 Instrument: 731.i

Sample Info: 180-14634-B-2-A,25 Operator: 003200

23 bis(2-Chloroethyl)ether



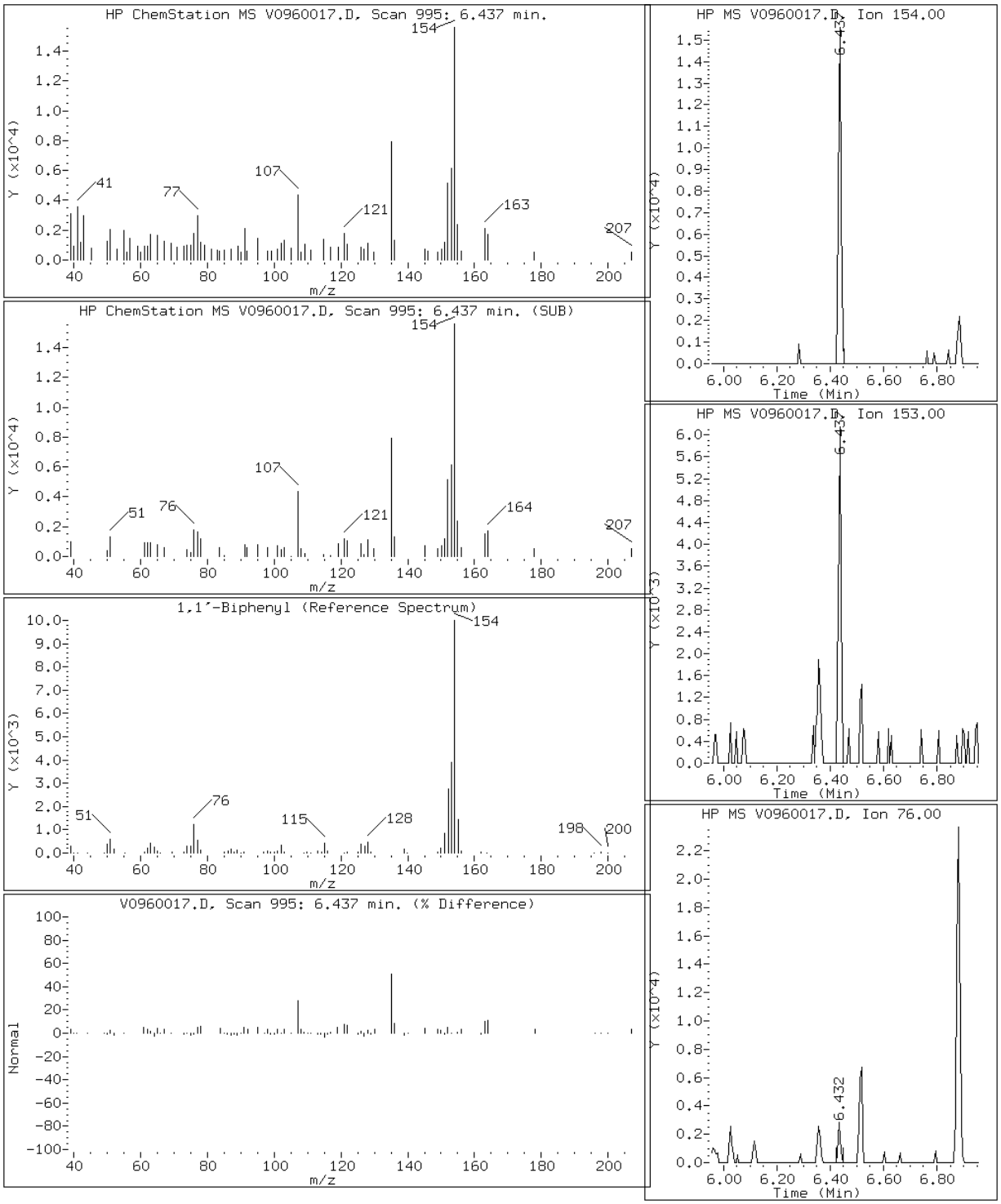
Data File: V0960017.D

Date: 26-SEP-2012 19:45

Client ID: MW-104 Instrument: 731.i

Sample Info: 180-14634-B-2-A,25 Operator: 003200

209 1,1'-Biphenyl



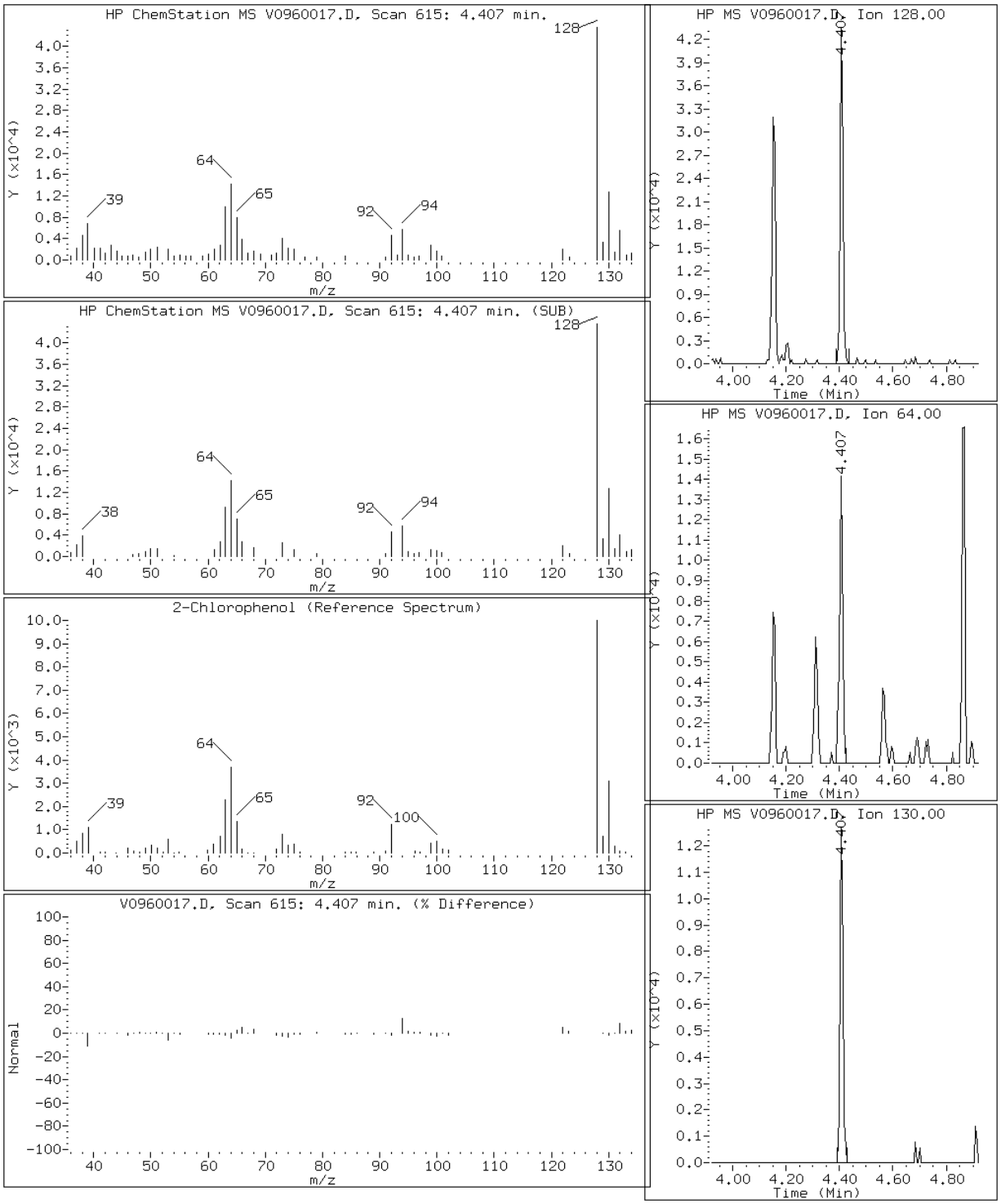
Data File: V0960017.D

Date: 26-SEP-2012 19:45

Client ID: MW-104 Instrument: 731.i

Sample Info: 180-14634-B-2-A,25 Operator: 003200

24 2-Chlorophenol



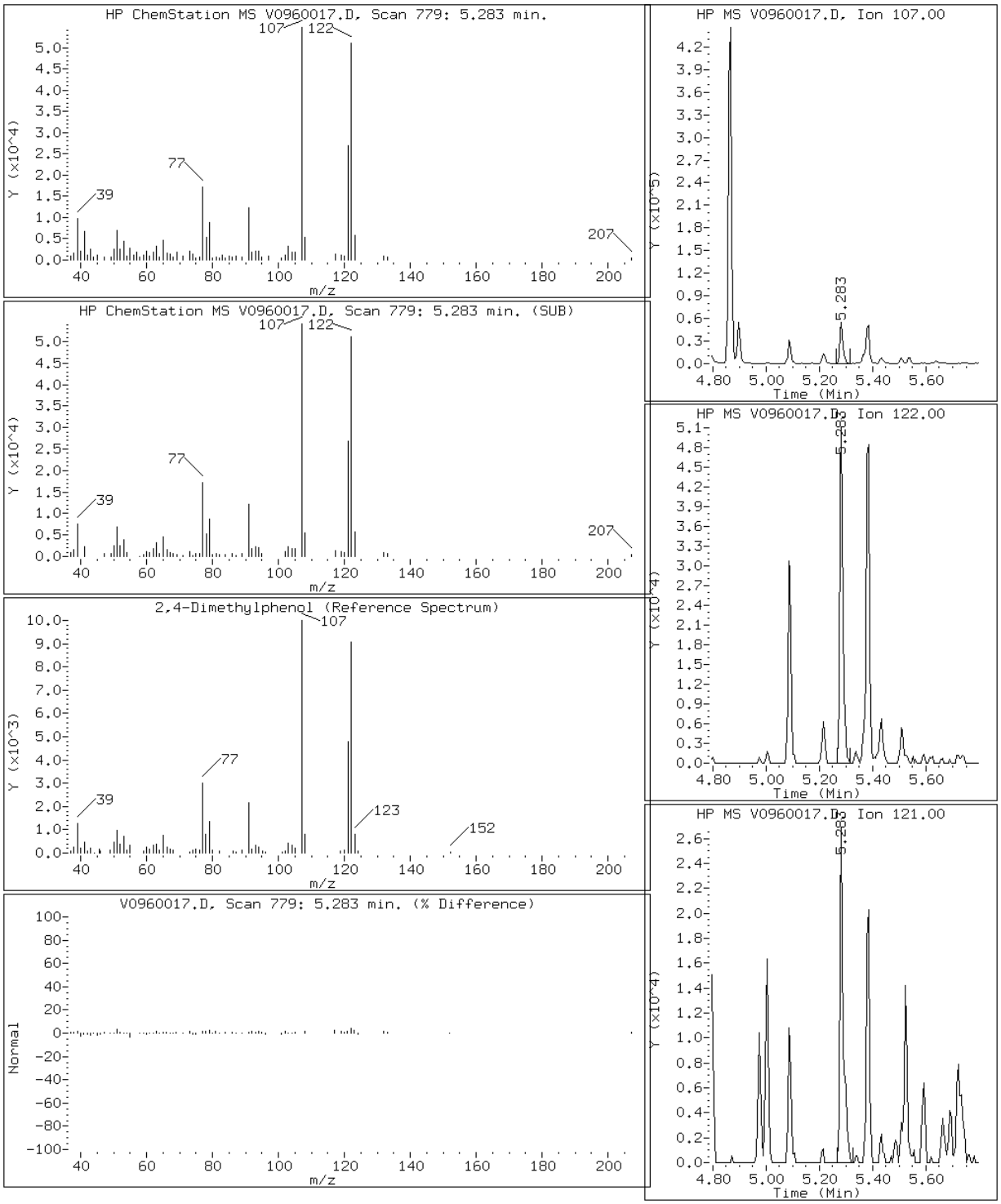
Data File: V0960017.D

Date: 26-SEP-2012 19:45

Client ID: MW-104 Instrument: 731.i

Sample Info: 180-14634-B-2-A,25 Operator: 003200

43 2,4-Dimethylphenol



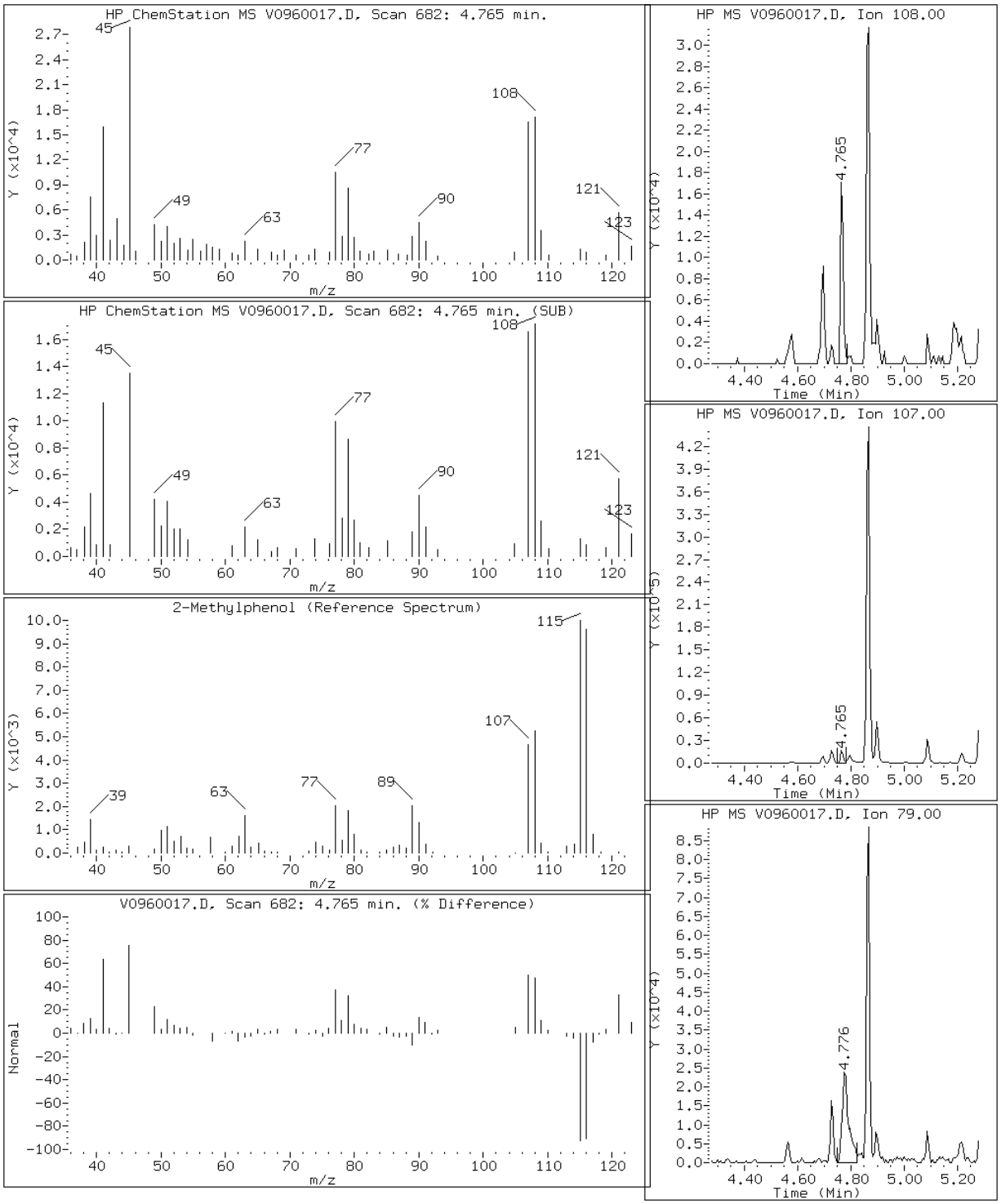
Data File: V0960017.D

Date: 26-SEP-2012 19:45

Client ID: MW-104 Instrument: 731.i

Sample Info: 180-14634-B-2-A,25 Operator: 003200

30 2-Methylphenol



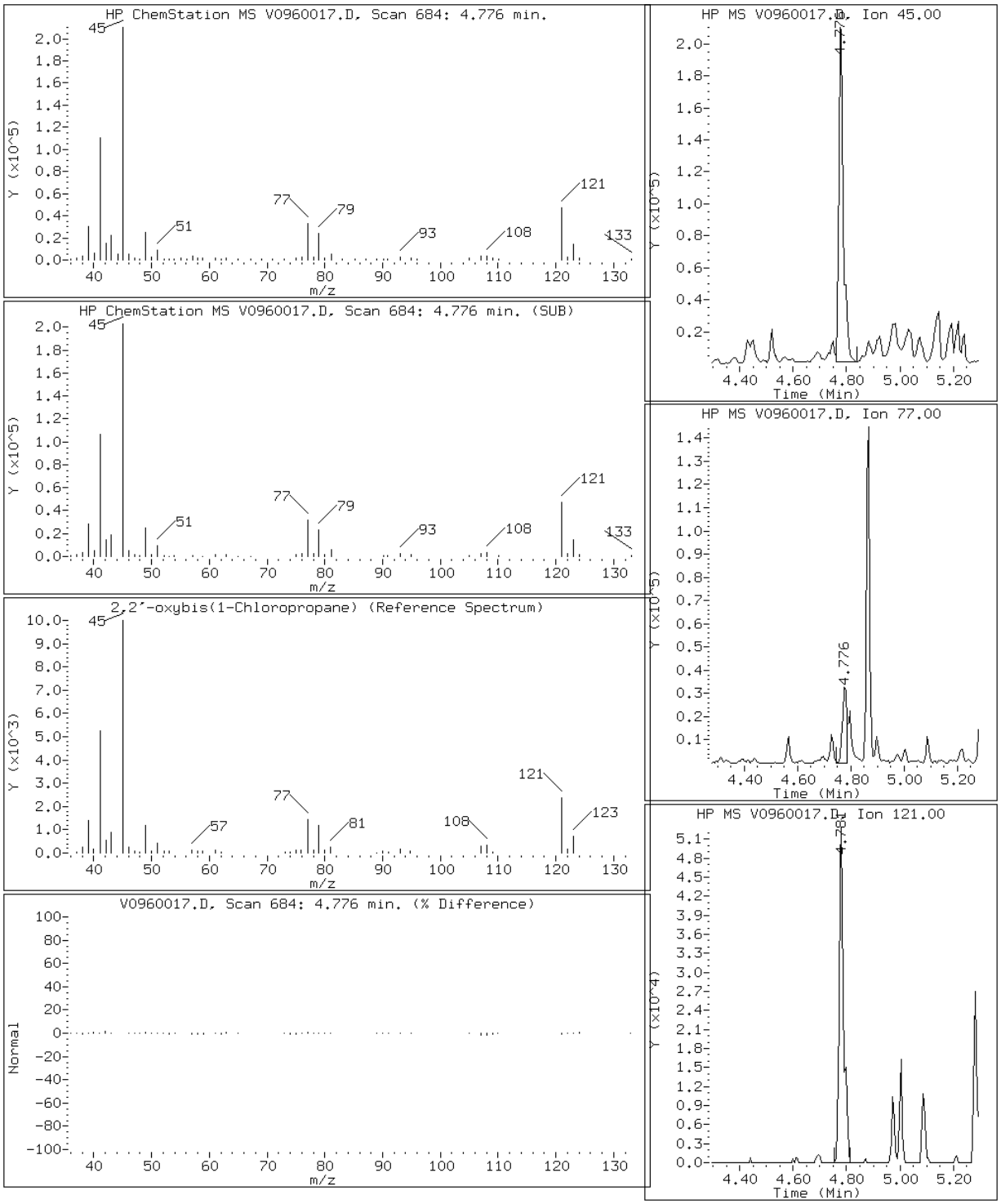
Data File: V0960017.D

Date: 26-SEP-2012 19:45

Client ID: MW-104 Instrument: 731.i

Sample Info: 180-14634-B-2-A,25 Operator: 003200

31 2,2'-oxybis(1-Chloropropane)



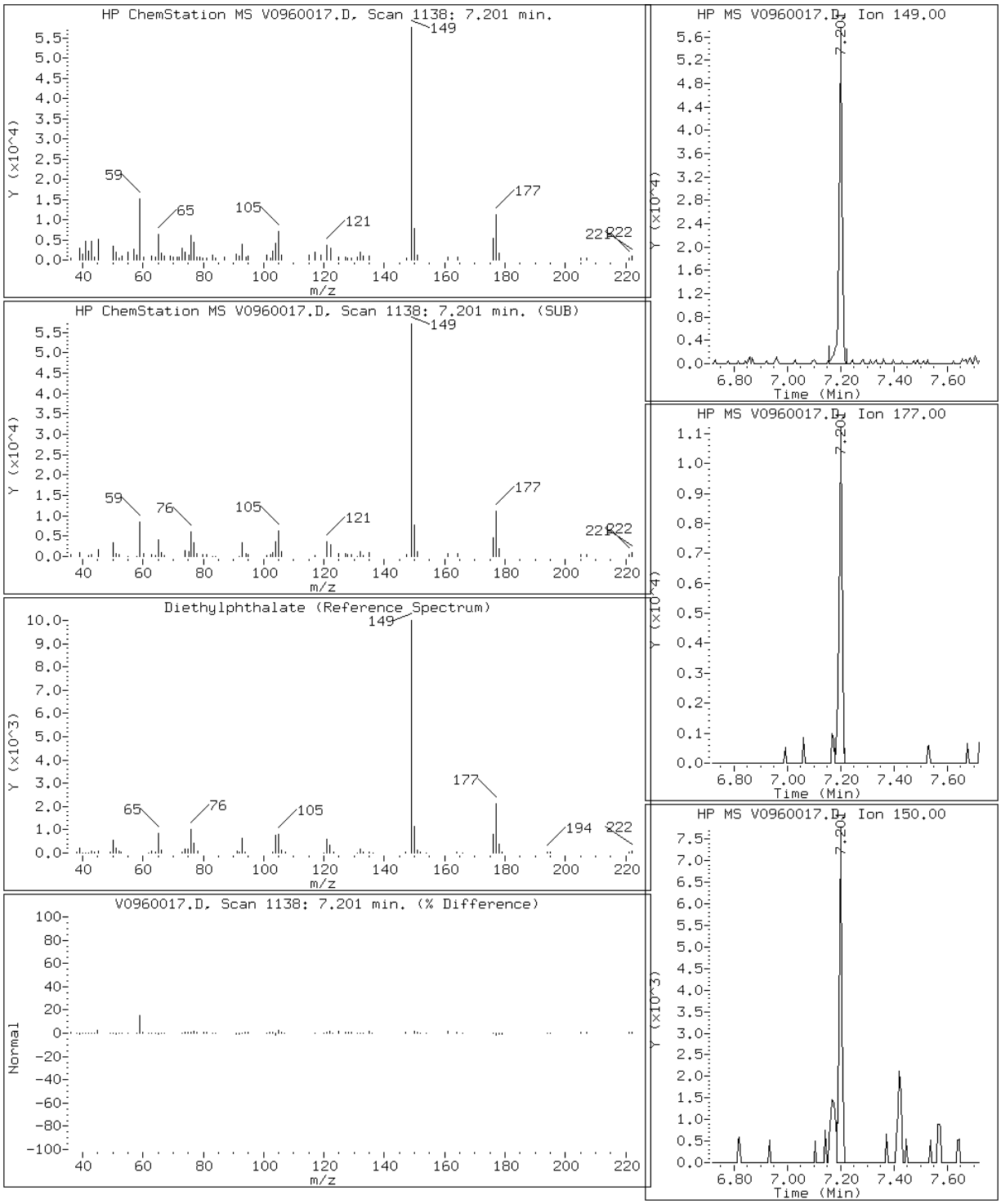
Data File: V0960017.D

Date: 26-SEP-2012 19:45

Client ID: MW-104 Instrument: 731.i

Sample Info: 180-14634-B-2-A,25 Operator: 003200

93 Diethylphthalate



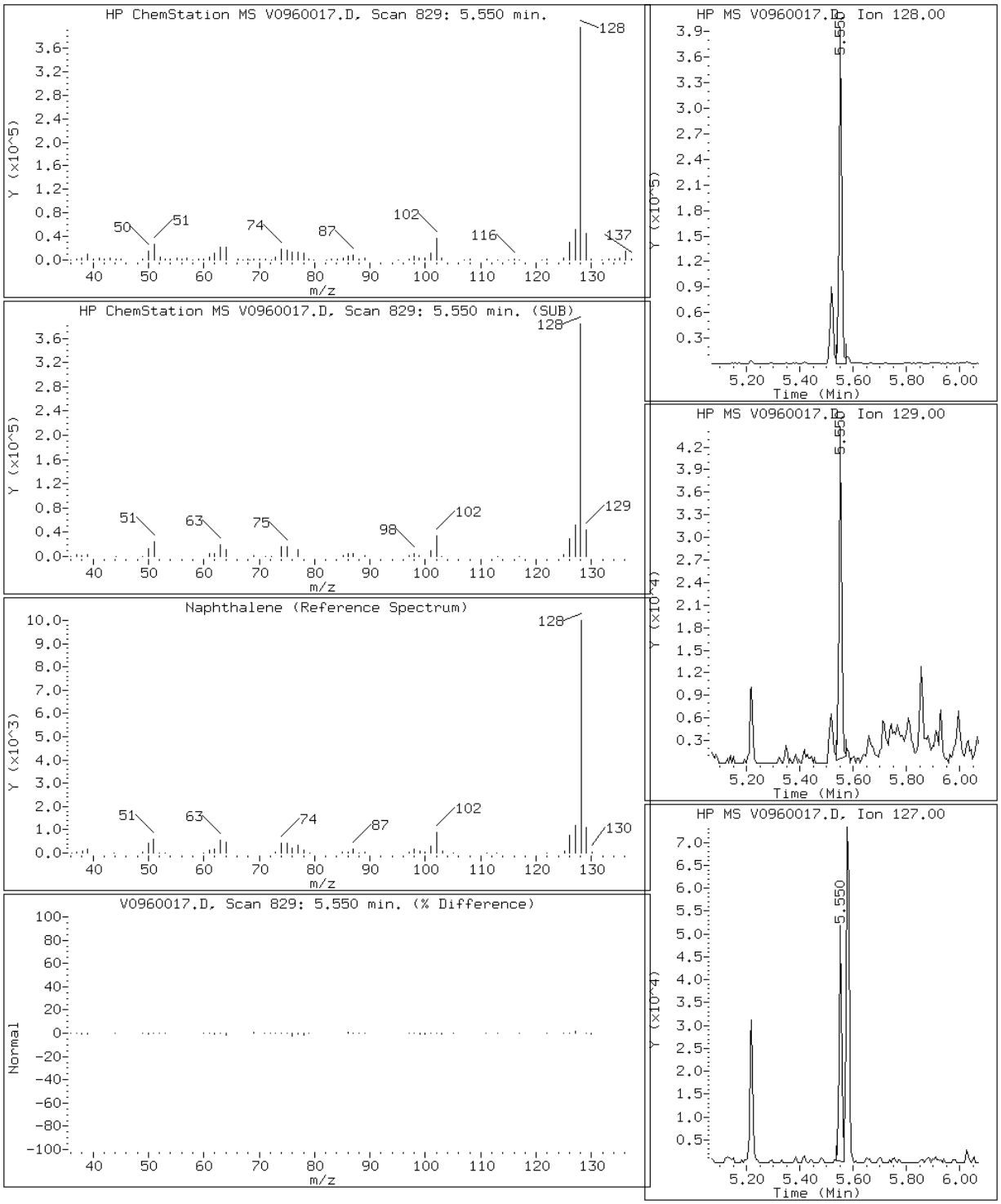
Data File: V0960017.D

Date: 26-SEP-2012 19:45

Client ID: MW-104 Instrument: 731.i

Sample Info: 180-14634-B-2-A,25 Operator: 003200

51 Naphthalene



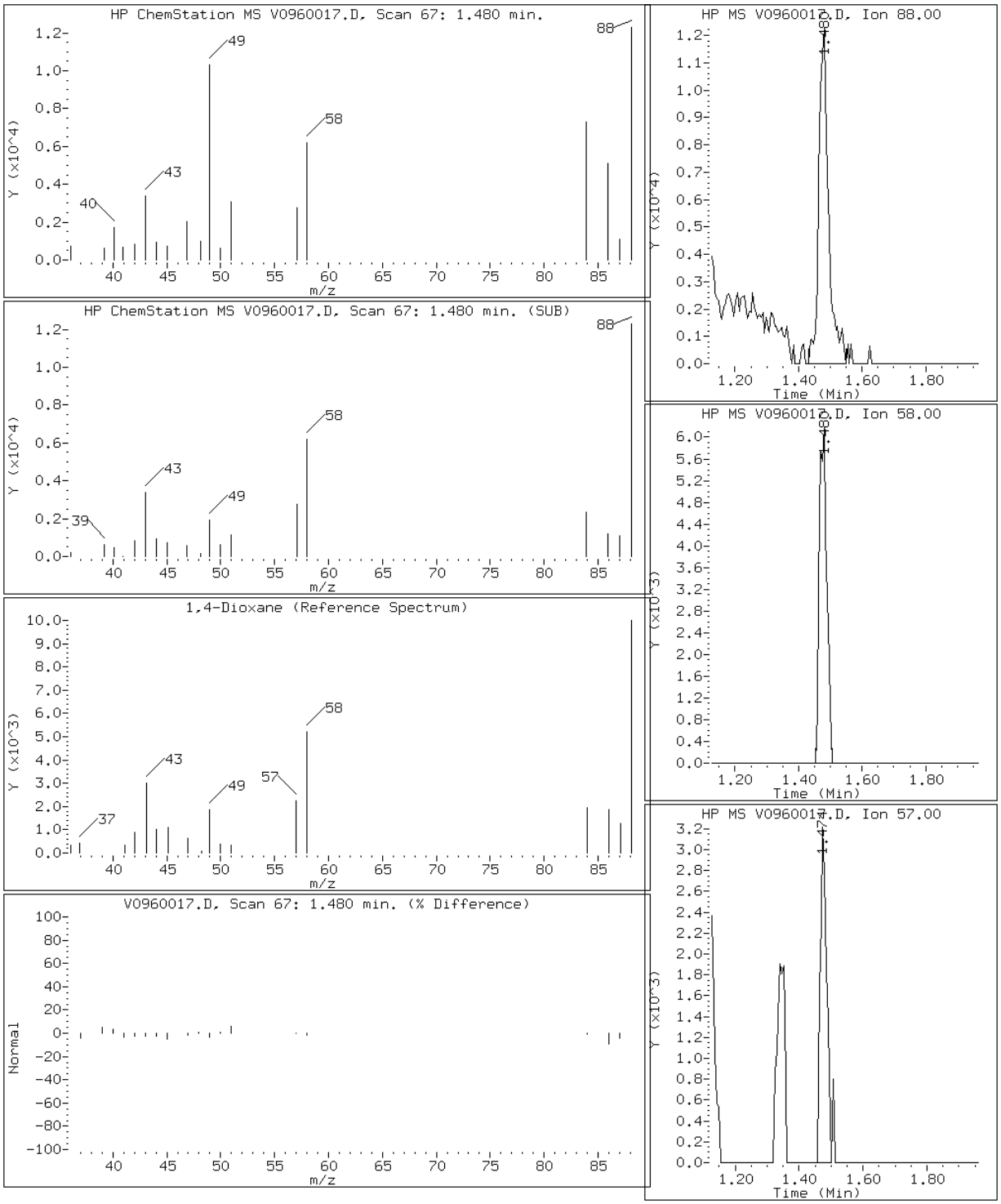
Data File: V0960017.D

Date: 26-SEP-2012 19:45

Client ID: MW-104 Instrument: 731.i

Sample Info: 180-14634-B-2-A,25 Operator: 003200

198 1,4-Dioxane



Manual Integration Report

Data File: V0960017.D
Inj. Date and Time: 26-SEP-2012 19:45
Instrument ID: 731.i
Client ID: MW-104
Compound: 198 1,4-Dioxane
CAS #: 123-91-1
Report Date: 09/27/2012

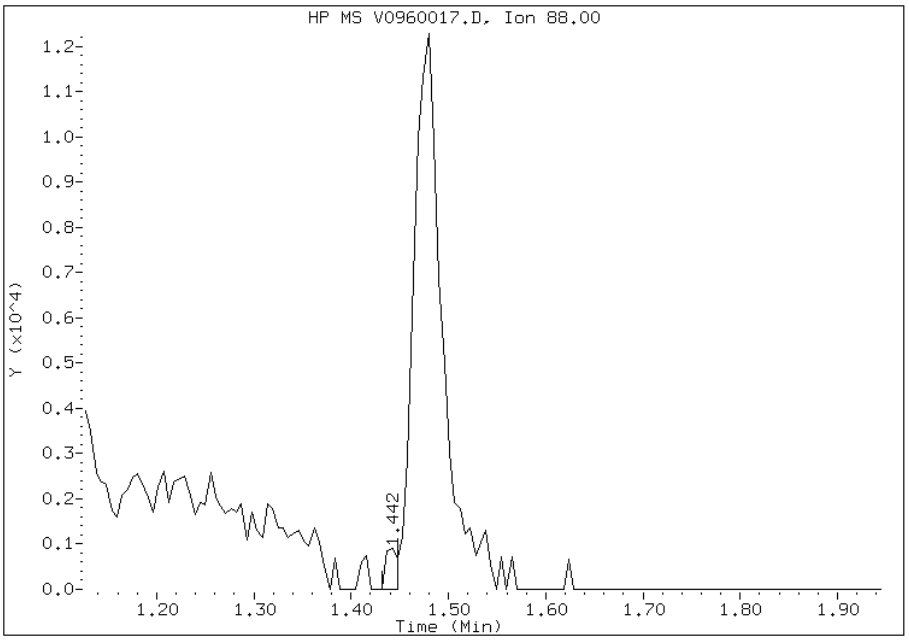
Processing Integration Results

RT: 1.44

Response: 792

Amount: 0

Conc: 2



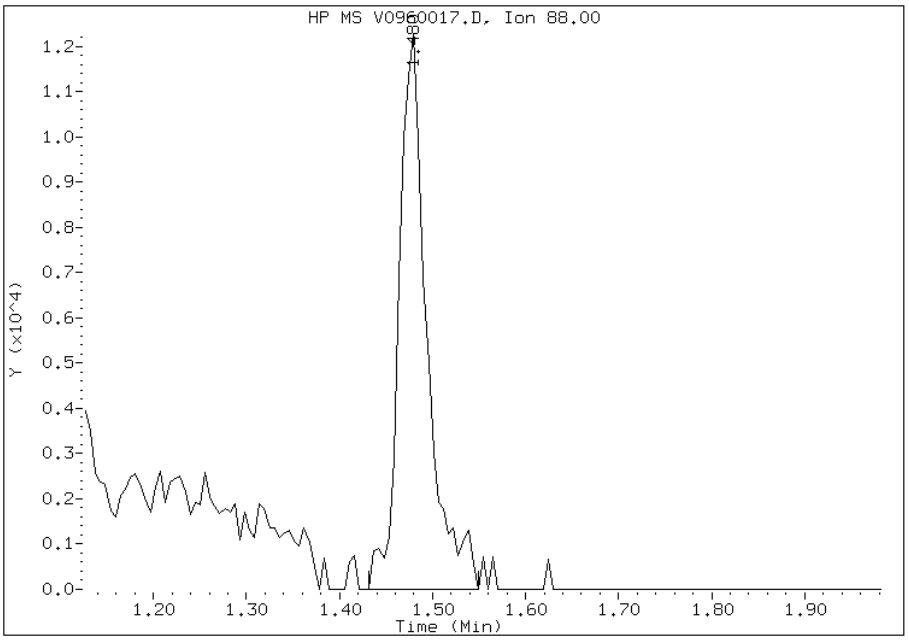
Manual Integration Results

RT: 1.48

Response: 26228

Amount: 3

Conc: 81



Manually Integrated By: piccolinov
Modification Date: 27-Sep-2012 06:00
Manual Integration Reason: Peak Not Found

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-105 | Lab Sample ID: 180-14634-3

Matrix: Water | Lab File ID: V0960018.D

Analysis Method: 8270C LL | Date Collected: 09/19/2012 09:20

Extract. Method: 3520C | Date Extracted: 09/25/2012 05:31

Sample wt/vol: 1020(mL) | Date Analyzed: 09/26/2012 20:09

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49849 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		0.20	0.014
208-96-8	Acenaphthylene	ND		0.20	0.015
98-86-2	Acetophenone	ND		0.98	0.078
120-12-7	Anthracene	ND		0.20	0.15
1912-24-9	Atrazine	ND		0.98	0.087
100-52-7	Benzaldehyde	ND		0.98	0.15
56-55-3	Benzo[a]anthracene	ND		0.20	0.014
205-99-2	Benzo[b]fluoranthene	ND		0.20	0.015
207-08-9	Benzo[k]fluoranthene	ND		0.20	0.054
191-24-2	Benzo[g,h,i]perylene	ND		0.20	0.015
50-32-8	Benzo[a]pyrene	ND		0.20	0.013
111-91-1	Bis(2-chloroethoxy)methane	ND		0.98	0.057
111-44-4	Bis(2-chloroethyl)ether	ND		0.20	0.025
117-81-7	Bis(2-ethylhexyl) phthalate	ND		2.0	1.2
85-68-7	Butyl benzyl phthalate	ND		0.98	0.14
92-52-4	1,1'-Biphenyl	ND		0.98	0.041
105-60-2	Caprolactam	ND		4.9	1.2
86-74-8	Carbazole	ND		0.20	0.015
218-01-9	Chrysene	ND		0.20	0.014
91-58-7	2-Chloronaphthalene	ND		0.20	0.015
95-57-8	2-Chlorophenol	ND		0.98	0.16
120-83-2	2,4-Dichlorophenol	ND		0.20	0.033
105-67-9	2,4-Dimethylphenol	ND		0.98	0.084
51-28-5	2,4-Dinitrophenol	ND		4.9	0.60
121-14-2	2,4-Dinitrotoluene	ND		0.98	0.053
606-20-2	2,6-Dinitrotoluene	ND		0.98	0.078
91-57-6	2-Methylnaphthalene	ND		0.20	0.012
95-48-7	2-Methylphenol	ND		0.98	0.085
88-74-4	2-Nitroaniline	ND		4.9	0.34
88-75-5	2-Nitrophenol	ND		0.98	0.17
108-60-1	2,2'-oxybis[1-chloropropane]	7.4		0.20	0.019
95-95-4	2,4,5-Trichlorophenol	ND		0.98	0.15
88-06-2	2,4,6-Trichlorophenol	ND		0.98	0.17
100-01-6	4-Nitroaniline	ND		4.9	0.17

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-105 | Lab Sample ID: 180-14634-3

Matrix: Water | Lab File ID: V0960018.D

Analysis Method: 8270C LL | Date Collected: 09/19/2012 09:20

Extract. Method: 3520C | Date Extracted: 09/25/2012 05:31

Sample wt/vol: 1020(mL) | Date Analyzed: 09/26/2012 20:09

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49849 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	ND		4.9	0.63
7005-72-3	4-Chlorophenyl phenyl ether	ND		0.98	0.049
106-44-5	Methylphenol, 3 & 4	ND		0.98	0.088
534-52-1	4,6-Dinitro-2-methylphenol	ND		4.9	0.22
106-47-8	4-Chloroaniline	ND		0.98	0.087
59-50-7	4-Chloro-3-methylphenol	ND		0.98	0.074
101-55-3	4-Bromophenyl phenyl ether	ND		0.98	0.062
53-70-3	Dibenz(a,h)anthracene	ND		0.20	0.015
132-64-9	Dibenzofuran	ND		0.98	0.060
84-74-2	Di-n-butyl phthalate	ND		0.98	0.12
84-66-2	Diethyl phthalate	ND		0.98	0.14
131-11-3	Dimethyl phthalate	ND		0.98	0.075
117-84-0	Di-n-octyl phthalate	ND		0.98	0.20
91-94-1	3,3'-Dichlorobenzidine	ND		0.98	0.11
99-09-2	3-Nitroaniline	ND		4.9	0.32
206-44-0	Fluoranthene	ND		0.20	0.016
86-73-7	Fluorene	ND		0.20	0.021
118-74-1	Hexachlorobenzene	ND		0.20	0.018
87-68-3	Hexachlorobutadiene	ND		0.20	0.016
77-47-4	Hexachlorocyclopentadiene	ND		0.98	0.051
67-72-1	Hexachloroethane	ND		0.98	0.062
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.20	0.020
78-59-1	Isophorone	ND		0.98	0.063
91-20-3	Naphthalene	ND		0.20	0.014
98-95-3	Nitrobenzene	ND		2.0	0.083
86-30-6	N-Nitrosodiphenylamine	ND		0.98	0.084
621-64-7	N-Nitrosodi-n-propylamine	ND		0.20	0.030
129-00-0	Pyrene	ND		0.20	0.015
108-95-2	Phenol	ND		0.20	0.057
85-01-8	Phenanthrene	ND		0.20	0.042
87-86-5	Pentachlorophenol	ND		0.98	0.065
123-91-1	*1,4-Dioxane*	*170*	*E*	*2.0*	*0.14*

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-105 | Lab Sample ID: 180-14634-3

Matrix: Water | Lab File ID: V0960018.D

Analysis Method: 8270C LL | Date Collected: 09/19/2012 09:20

Extract. Method: 3520C | Date Extracted: 09/25/2012 05:31

Sample wt/vol: 1020(mL) | Date Analyzed: 09/26/2012 20:09

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49849 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	73		16-122
321-60-8	2-Fluorobiphenyl	56		19-107
367-12-4	2-Fluorophenol	56		10-111
4165-60-0	Nitrobenzene-d5	62		23-112
4165-62-2	Phenol-d5	57		15-112
1718-51-0	Terphenyl-d14	63		10-132

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV092612.b\V0960018.D
Lab Smp Id: 180-14634-B-3-A Client Smp ID: MW-105
Inj Date : 26-SEP-2012 20:09
Operator : 003200 Inst ID: 731.i
Smp Info : 180-14634-B-3-A
Misc Info : 180-14634-B-3-A
Comment :
Method : \\PITSVR06\D\chem\731.i\TV092612.b\T8270ll.m
Meth Date : 26-Sep-2012 13:25 piccolinov Quant Type: ISTD
Cal Date : 12-SEP-2012 13:48 Cal File: V0912IC8.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: padepi.sub
Target Version: 4.14
Processing Host: PITPC-502

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 1 1,4-Dichlorobenzene-d4	152	4.564	4.580	(1.000)	179918	8.00000	
* 2 Naphthalene-d8	136	5.537	5.552	(1.000)	661590	8.00000	
* 3 Acenaphthene-d10	164	6.883	6.899	(1.000)	394362	8.00000	(M)
* 4 Phenanthrene-d10	188	8.031	8.042	(1.000)	556119	8.00000	
* 5 Chrysene-d12	240	10.093	10.093	(1.000)	471752	8.00000	
* 6 Perylene-d12	264	11.509	11.514	(1.000)	530992	8.00000	
198 1,4-Dioxane	88	1.466	1.466	(0.321)	2377695	337.036	337.04
10 N-Nitrosodimethylamine	74	Compound Not Detected.					
9 Pyridine	79	Compound Not Detected.					
16 Methyl methanesulfonate	80	Compound Not Detected.					
206 Benzaldehyde	77	Compound Not Detected.					
21 Aniline	93	4.324	4.324	(0.947)	897689	26.3863	26.386
22 Phenol	94	Compound Not Detected.					
23 bis(2-Chloroethyl)ether	93	Compound Not Detected.					
24 2-Chlorophenol	128	Compound Not Detected.					
26 1,3-Dichlorobenzene	146	4.522	4.537	(0.991)	1170	0.03231	0.032306
27 1,4-Dichlorobenzene	146	4.575	4.591	(1.002)	5138	0.13851	0.13851
28 1,2-Dichlorobenzene	146	4.693	4.708	(1.028)	16725	0.46733	0.46733
217 Indene	116	Compound Not Detected.					
29 Benzyl Alcohol	108	Compound Not Detected.					
30 2-Methylphenol	108	Compound Not Detected.					
31 2,2'-oxybis(1-Chloropropane)	45	4.778	4.794	(1.047)	514776	15.0901	15.090
37 Acetophenone	105	Compound Not Detected.					
32 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192 4-Methylphenol	108	Compound Not Detected.					
34 Hexachloroethane	117	Compound Not Detected.					
35 Nitrobenzene	77	Compound Not Detected.					
36 N-Nitrosopyrrolidine	100	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
41 Isophorone	82	Compound Not Detected.					
42 2-Nitrophenol	139	Compound Not Detected.					
43 2,4-Dimethylphenol	107	Compound Not Detected.					
44 bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
48 2,4-Dichlorophenol	162	Compound Not Detected.					
49 Benzoic Acid	122	Compound Not Detected.					
50 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51 Naphthalene	128	Compound Not Detected.					
52 4-Chloroaniline	127	Compound Not Detected.					
54 2,6-Dichlorophenol	162	Compound Not Detected.					
56 Hexachlorobutadiene	224	Compound Not Detected.					
208 Caprolactam	113	Compound Not Detected.					
59 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
62 2-Methylnaphthalene	142	Compound Not Detected.					
63 1-Methylnaphthalene	142	Compound Not Detected.					
64 Hexachlorocyclopentadiene	236	Compound Not Detected.					
65 1,2,4,5-Tetrachlorobenzene	215	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	Compound Not Detected.					
67 2,4,5-Trichlorophenol	196	Compound Not Detected.					
209 1,1'-Biphenyl	154	Compound Not Detected.					
70 2-Chloronaphthalene	162	Compound Not Detected.					
73 2-Nitroaniline	65	Compound Not Detected.					
76 Dimethylphthalate	163	Compound Not Detected.					
78 2,6-Dinitrotoluene	165	Compound Not Detected.					
79 Acenaphthylene	152	Compound Not Detected.					
81 3-Nitroaniline	138	Compound Not Detected.					
82 Acenaphthene	153	Compound Not Detected.					
83 2,4-Dinitrophenol	184	Compound Not Detected.					
85 4-Nitrophenol	109	Compound Not Detected.					
86 Dibenzofuran	168	Compound Not Detected.					
87 2,4-Dinitrotoluene	165	Compound Not Detected.					
91 2,3,5,6-Tetrachlorophenol	231	Compound Not Detected.					
88 2,3,4,6-Tetrachlorophenol	231	Compound Not Detected.					
92 2-Naphthylamine	143	Compound Not Detected.					
93 Diethylphthalate	149	Compound Not Detected.					
94 Fluorene	166	Compound Not Detected.					
95 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96 4-Nitroaniline	138	Compound Not Detected.					
98 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99 N-Nitrosodiphenylamine (1)	169	Compound Not Detected.					
100 1,2-Diphenylhydrazine	77	Compound Not Detected.					
106 4-Bromophenyl-phenylether	248	Compound Not Detected.					
107 Hexachlorobenzene	283	Compound Not Detected.					
210 Atrazine	200	Compound Not Detected.					
111 Pentachlorophenol	265	Compound Not Detected.					
115 Phenanthrene	178	Compound Not Detected.					
116 Anthracene	178	Compound Not Detected.					
119 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	Compound Not Detected.					
123 Fluoranthene	202	Compound Not Detected.					
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	Compound Not Detected.					
131 Butylbenzylphthalate	149	Compound Not Detected.					
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
136 Benzo(a)Anthracene	228	Compound Not Detected.					
137 Chrysene	228	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	10.051	10.050	(0.996)	13040	0.28461	0.28461
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	Compound Not Detected.					
142 Benzo(k)fluoranthene	252	Compound Not Detected.					
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
146 Benzo(a)pyrene	252	Compound Not Detected.					
149 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
150 Dibenz(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 154 Nitrobenzene-d5	82	4.986	4.997	(0.901)	629457	24.8549	24.855
$ 155 2-Fluorobiphenyl	172	6.359	6.375	(0.924)	1452366	22.2714	22.271(M)
$ 156 Terphenyl-d14	244	9.249	9.260	(0.916)	1137897	25.1578	25.158
$ 157 Phenol-d5	99	4.329	4.313	(0.949)	1015684	34.4311	34.431(M)
$ 158 2-Fluorophenol	112	3.565	3.565	(0.781)	805576	33.5363	33.536
$ 159 2,4,6-Tribromophenol	330	7.497	7.508	(0.933)	284782	44.0938	44.094
$ 186 2-Chlorophenol-d4	132	4.399	4.404	(0.964)	1051318	34.4618	34.462
$ 187 1,2-Dichlorobenzene-d4	152	4.687	4.698	(1.027)	389494	17.8706	17.871

QC Flag Legend

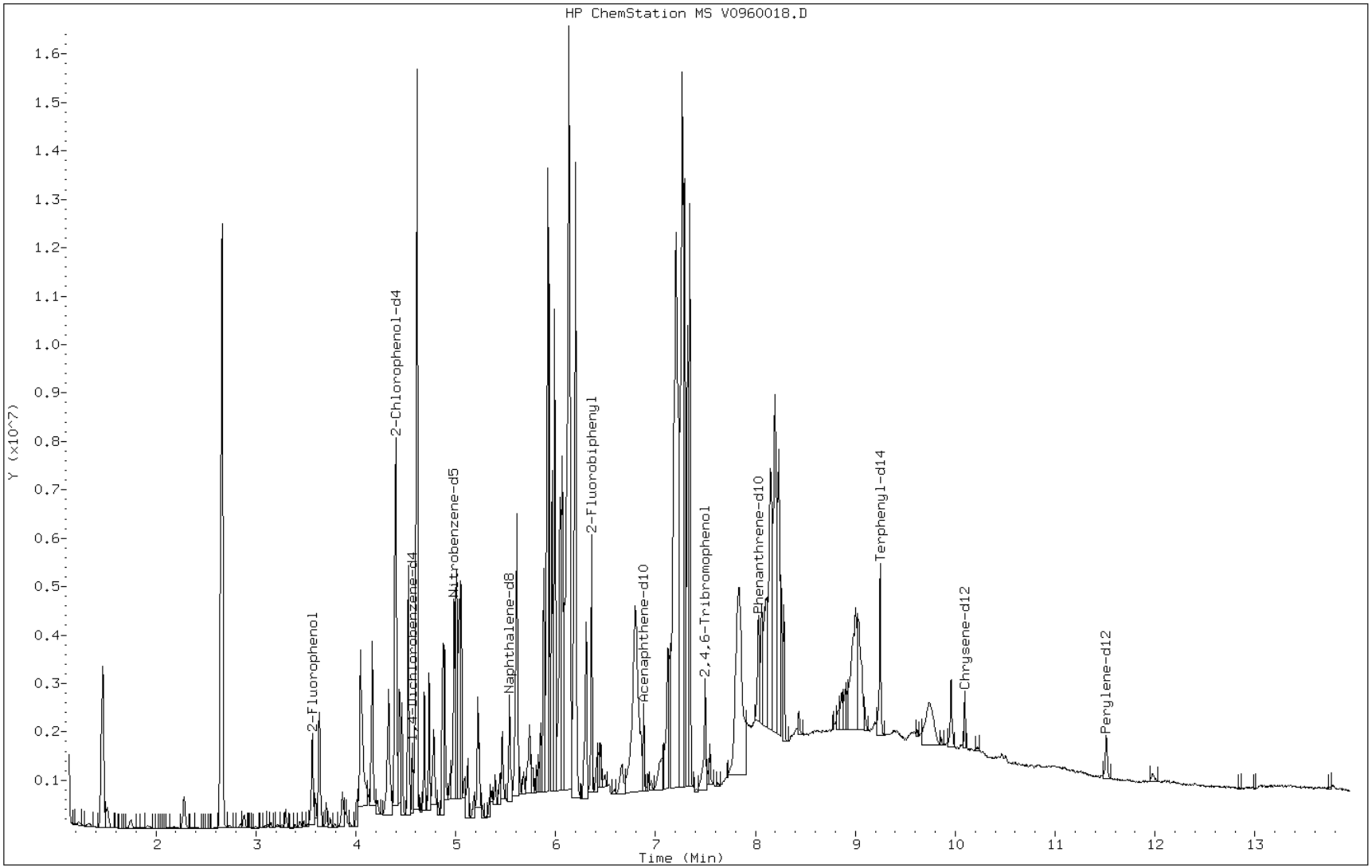
M - Compound response manually integrated.

Data File: V0960018.D

Date: 26-SEP-2012 20:09

Client ID: MW-105 Instrument: 731.i

Sample Info: 180-14634-B-3-A Operator: 003200



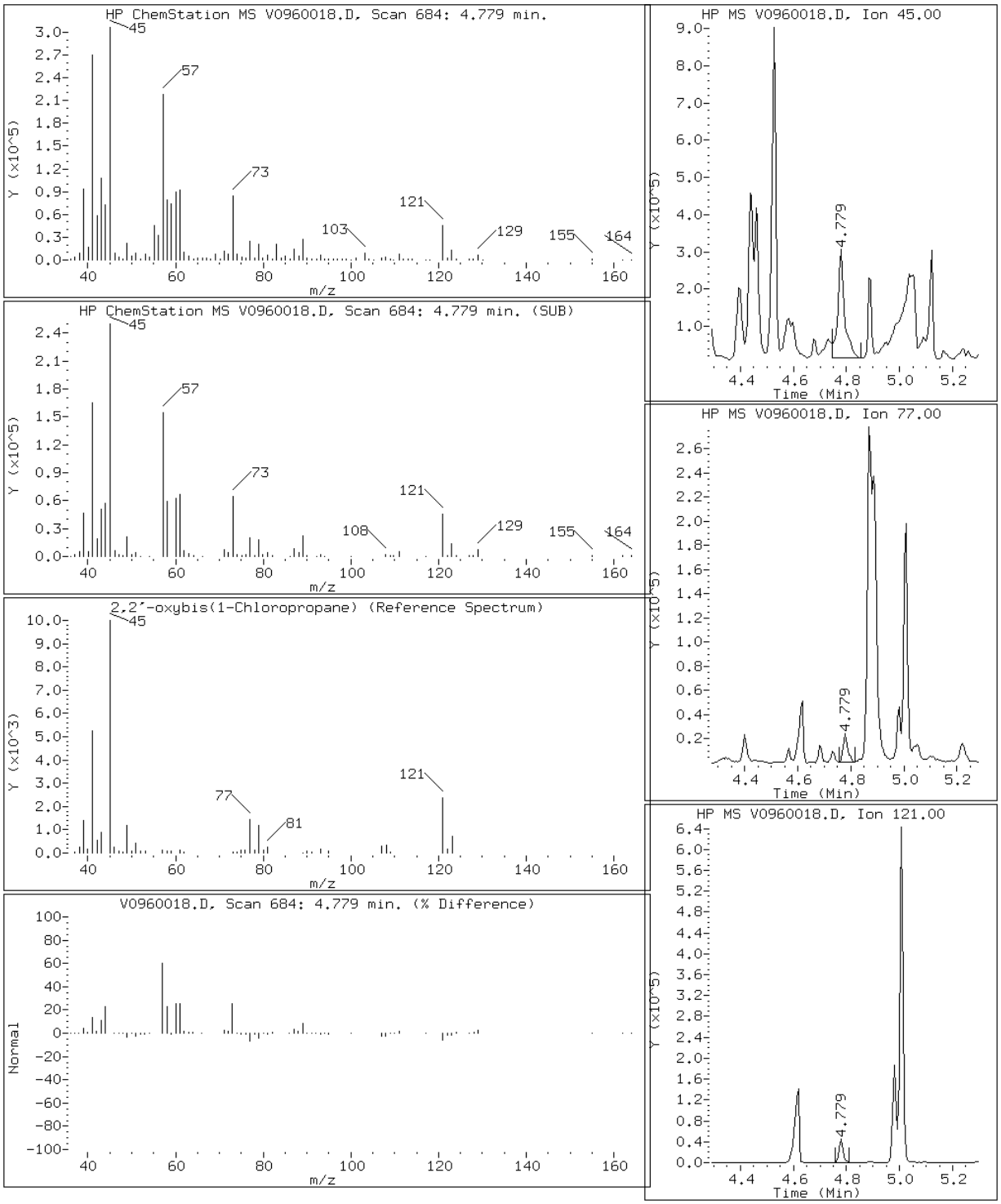
Data File: V0960018.D

Date: 26-SEP-2012 20:09

Client ID: MW-105 Instrument: 731.i

Sample Info: 180-14634-B-3-A Operator: 003200

31 2,2'-oxybis(1-Chloropropane)



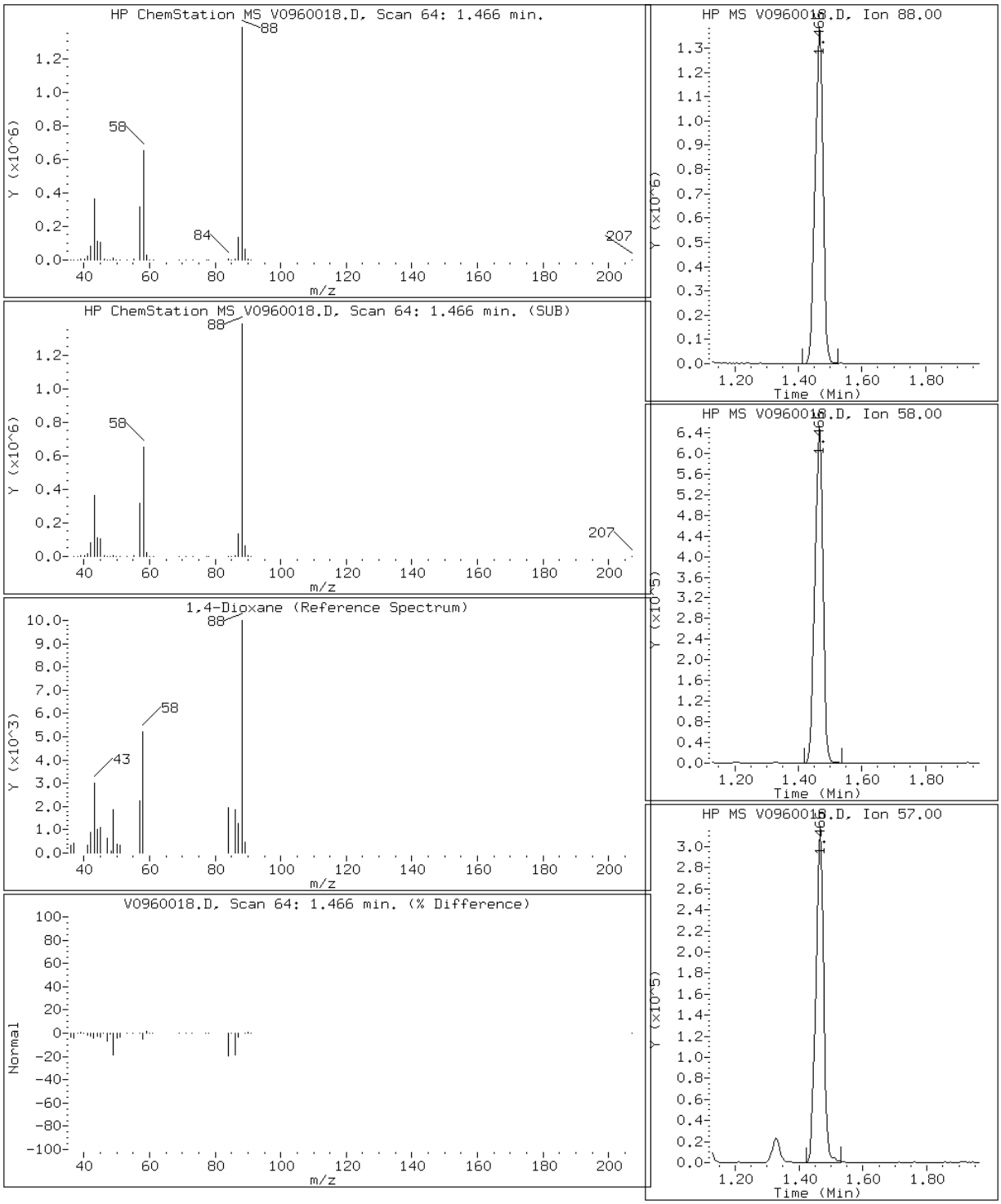
Data File: V0960018.D

Date: 26-SEP-2012 20:09

Client ID: MW-105 Instrument: 731.i

Sample Info: 180-14634-B-3-A Operator: 003200

198 1,4-Dioxane



Manual Integration Report

Data File: V0960018.D
Inj. Date and Time: 26-SEP-2012 20:09
Instrument ID: 731.i
Client ID: MW-105
Compound: 155 2-Fluorobiphenyl
CAS #: 321-60-8
Report Date: 09/27/2012

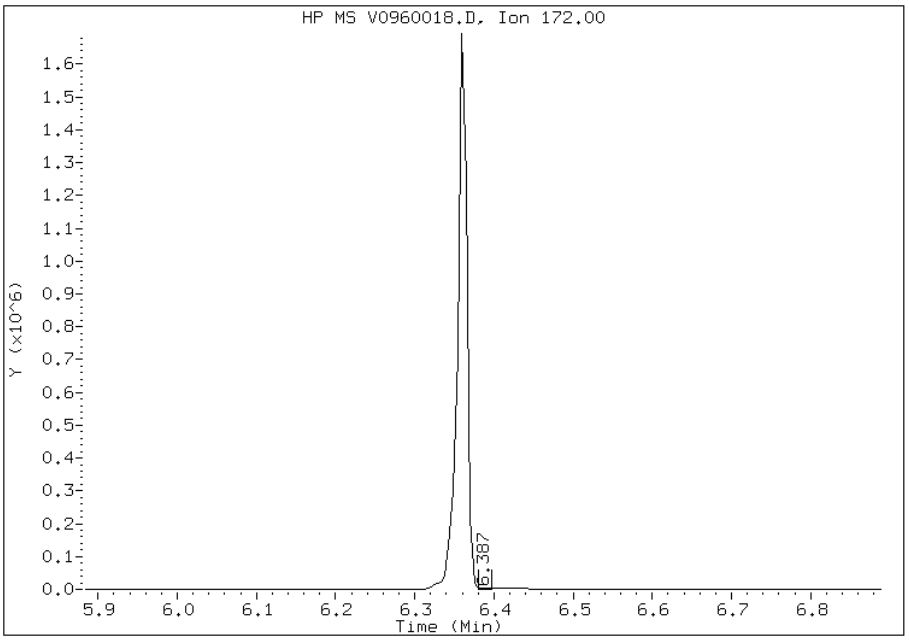
Processing Integration Results

RT: 6.39

Response: 4108

Amount: 0

Conc: 0



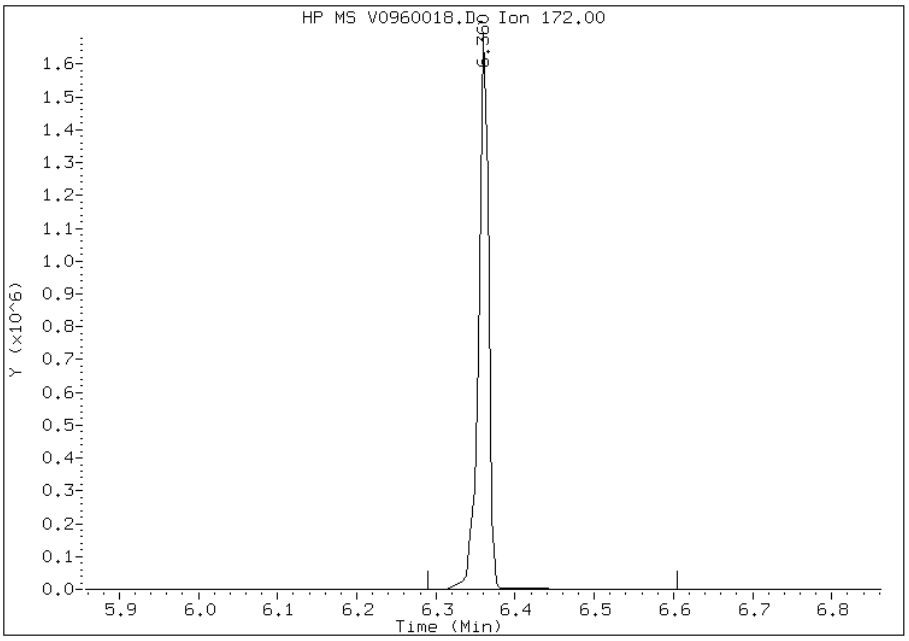
Manual Integration Results

RT: 6.36

Response: 1452366

Amount: 22

Conc: 22



Manually Integrated By: piccolinov
Modification Date: 27-Sep-2012 06:06
Manual Integration Reason: Peak Not Found

Manual Integration Report

Data File: V0960018.D
Inj. Date and Time: 26-SEP-2012 20:09
Instrument ID: 731.i
Client ID: MW-105
Compound: 157 Phenol-d5
CAS #: 4165-62-2
Report Date: 09/27/2012

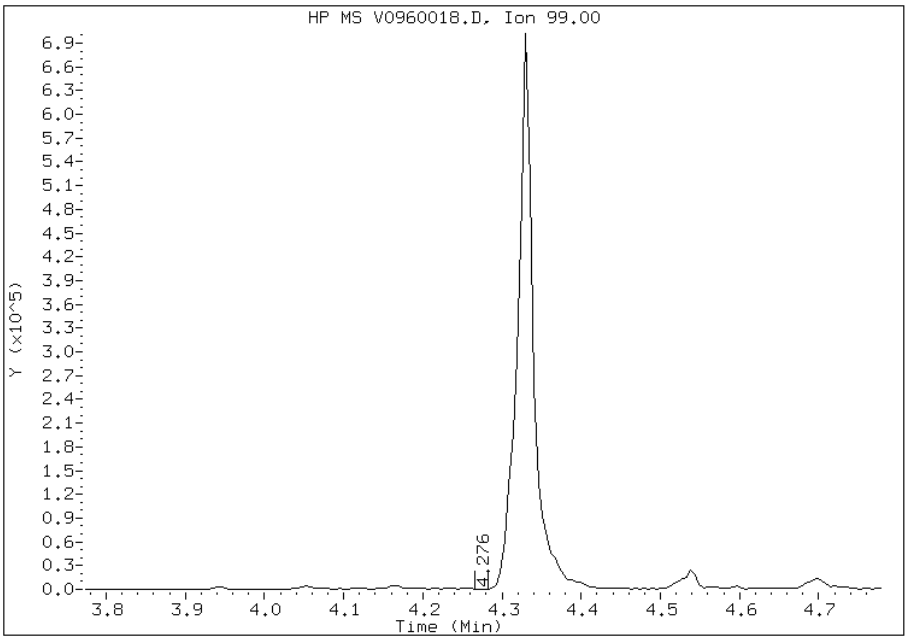
Processing Integration Results

RT: 4.28

Response: 654

Amount: 0

Conc: 0



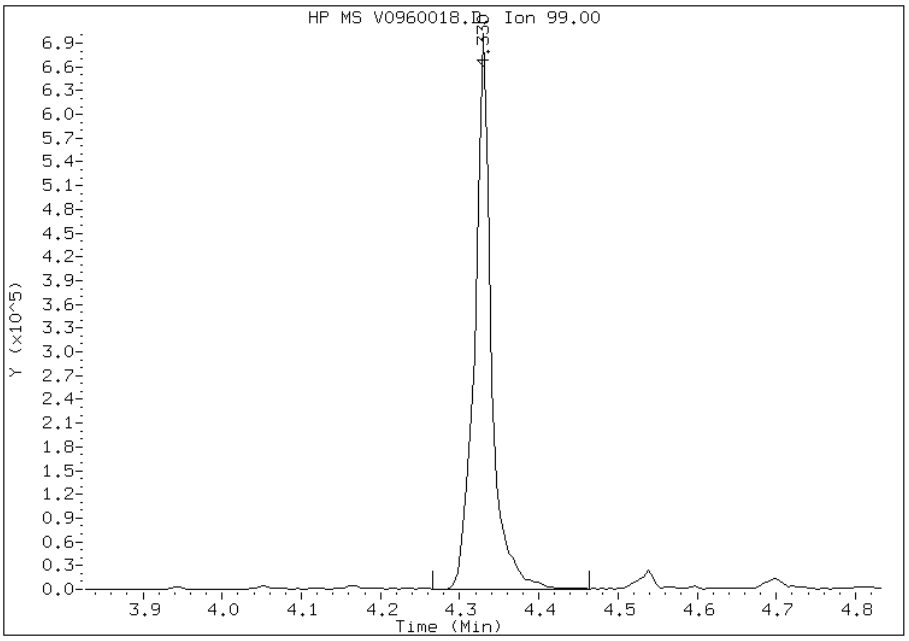
Manual Integration Results

RT: 4.33

Response: 1015684

Amount: 34

Conc: 34



Manually Integrated By: piccolinov
Modification Date: 27-Sep-2012 06:06
Manual Integration Reason: Peak Not Found

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-105 DL | Lab Sample ID: 180-14634-3 DL

Matrix: Water | Lab File ID: V0927001.D

Analysis Method: 8270C LL | Date Collected: 09/19/2012 09:20

Extract. Method: 3520C | Date Extracted: 09/25/2012 05:31

Sample wt/vol: 1020(mL) | Date Analyzed: 09/27/2012 15:41

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 50044 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		2.0	0.14
208-96-8	Acenaphthylene	ND		2.0	0.15
98-86-2	Acetophenone	ND		9.8	0.78
120-12-7	Anthracene	ND		2.0	1.5
1912-24-9	Atrazine	ND		9.8	0.87
100-52-7	Benzaldehyde	ND		9.8	1.5
56-55-3	Benzo[a]anthracene	ND		2.0	0.14
205-99-2	Benzo[b]fluoranthene	ND		2.0	0.15
207-08-9	Benzo[k]fluoranthene	ND		2.0	0.54
191-24-2	Benzo[g,h,i]perylene	ND		2.0	0.15
50-32-8	Benzo[a]pyrene	ND		2.0	0.13
111-91-1	Bis(2-chloroethoxy)methane	ND		9.8	0.57
111-44-4	Bis(2-chloroethyl)ether	ND		2.0	0.25
117-81-7	Bis(2-ethylhexyl) phthalate	ND		20	12
85-68-7	Butyl benzyl phthalate	ND		9.8	1.4
92-52-4	1,1'-Biphenyl	ND		9.8	0.41
105-60-2	Caprolactam	ND		49	12
86-74-8	Carbazole	ND		2.0	0.15
218-01-9	Chrysene	ND		2.0	0.14
91-58-7	2-Chloronaphthalene	ND		2.0	0.15
95-57-8	2-Chlorophenol	ND		9.8	1.6
120-83-2	2,4-Dichlorophenol	ND		2.0	0.33
105-67-9	2,4-Dimethylphenol	ND		9.8	0.84
51-28-5	2,4-Dinitrophenol	ND		49	6.0
121-14-2	2,4-Dinitrotoluene	ND		9.8	0.53
606-20-2	2,6-Dinitrotoluene	ND		9.8	0.78
91-57-6	2-Methylnaphthalene	ND		2.0	0.12
95-48-7	2-Methylphenol	ND		9.8	0.85
88-74-4	2-Nitroaniline	ND		49	3.4
88-75-5	2-Nitrophenol	ND		9.8	1.7
108-60-1	2,2'-oxybis[1-chloropropane]	3.0		2.0	0.19
95-95-4	2,4,5-Trichlorophenol	ND		9.8	1.5
88-06-2	2,4,6-Trichlorophenol	ND		9.8	1.7
100-01-6	4-Nitroaniline	ND		49	1.7

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-105 DL | Lab Sample ID: 180-14634-3 DL

Matrix: Water | Lab File ID: V0927001.D

Analysis Method: 8270C LL | Date Collected: 09/19/2012 09:20

Extract. Method: 3520C | Date Extracted: 09/25/2012 05:31

Sample wt/vol: 1020(mL) | Date Analyzed: 09/27/2012 15:41

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 50044 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	ND		49	6.3
7005-72-3	4-Chlorophenyl phenyl ether	ND		9.8	0.49
106-44-5	Methylphenol, 3 & 4	ND		9.8	0.88
534-52-1	4,6-Dinitro-2-methylphenol	ND		49	2.2
106-47-8	4-Chloroaniline	ND		9.8	0.87
59-50-7	4-Chloro-3-methylphenol	ND		9.8	0.74
101-55-3	4-Bromophenyl phenyl ether	ND		9.8	0.62
53-70-3	Dibenz(a,h)anthracene	ND		2.0	0.15
132-64-9	Dibenzofuran	ND		9.8	0.60
84-74-2	Di-n-butyl phthalate	ND		9.8	1.2
84-66-2	Diethyl phthalate	ND		9.8	1.4
131-11-3	Dimethyl phthalate	ND		9.8	0.75
117-84-0	Di-n-octyl phthalate	ND		9.8	2.0
91-94-1	3,3'-Dichlorobenzidine	ND		9.8	1.1
99-09-2	3-Nitroaniline	ND		49	3.2
206-44-0	Fluoranthene	ND		2.0	0.16
86-73-7	Fluorene	ND		2.0	0.21
118-74-1	Hexachlorobenzene	ND		2.0	0.18
87-68-3	Hexachlorobutadiene	ND		2.0	0.16
77-47-4	Hexachlorocyclopentadiene	ND		9.8	0.51
67-72-1	Hexachloroethane	ND		9.8	0.62
193-39-5	Indeno[1,2,3-cd]pyrene	ND		2.0	0.20
78-59-1	Isophorone	ND		9.8	0.63
91-20-3	Naphthalene	ND		2.0	0.14
98-95-3	Nitrobenzene	ND		20	0.83
86-30-6	N-Nitrosodiphenylamine	ND		9.8	0.84
621-64-7	N-Nitrosodi-n-propylamine	ND		2.0	0.30
129-00-0	Pyrene	ND		2.0	0.15
108-95-2	Phenol	ND		2.0	0.57
85-01-8	Phenanthrene	ND		2.0	0.42
87-86-5	Pentachlorophenol	ND		9.8	0.65
123-91-1	1,4-Dioxane	170		20	1.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-105 DL | Lab Sample ID: 180-14634-3 DL

Matrix: Water | Lab File ID: V0927001.D

Analysis Method: 8270C LL | Date Collected: 09/19/2012 09:20

Extract. Method: 3520C | Date Extracted: 09/25/2012 05:31

Sample wt/vol: 1020(mL) | Date Analyzed: 09/27/2012 15:41

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 10

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 50044 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	73		16-122
321-60-8	2-Fluorobiphenyl	58		19-107
367-12-4	2-Fluorophenol	62		10-111
4165-60-0	Nitrobenzene-d5	63		23-112
4165-62-2	Phenol-d5	66		15-112
1718-51-0	Terphenyl-d14	72		10-132

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV092712.b\V0927001.D
Lab Smp Id: 180-14634-B-3-A Client Smp ID: MW-105
Inj Date : 27-SEP-2012 15:41
Operator : 003200 Inst ID: 731.i
Smp Info : 180-14634-B-3-A,10
Misc Info : 180-14634-B-3-A
Comment :
Method : \\PITSVR06\D\chem\731.i\TV092712.b\T8270ll.m
Meth Date : 27-Sep-2012 11:39 piccolinov Quant Type: ISTD
Cal Date : 12-SEP-2012 13:48 Cal File: V0912IC8.D
Als bottle: 3
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: padepi.sub
Target Version: 4.14
Processing Host: PITPC-502

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 1 1,4-Dichlorobenzene-d4	152	4.615	4.627	(1.000)	190275	8.00000	
* 2 Naphthalene-d8	136	5.581	5.599	(1.000)	734978	8.00000	
* 3 Acenaphthene-d10	164	6.933	6.956	(1.000)	420876	8.00000	
* 4 Phenanthrene-d10	188	8.076	8.099	(1.000)	662959	8.00000	
* 5 Chrysene-d12	240	10.170	10.156	(1.000)	490994	8.00000	
* 6 Perylene-d12	264	11.623	11.603	(1.000)	498733	8.00000	
198 1,4-Dioxane	88	1.511	1.491	(0.327)	265162	35.5406	355.40
10 N-Nitrosodimethylamine	74	Compound Not Detected.					
9 Pyridine	79	Compound Not Detected.					
16 Methyl methanesulfonate	80	Compound Not Detected.					
206 Benzaldehyde	77	Compound Not Detected.					
21 Aniline	93	4.358	4.365	(0.944)	222449	6.18266	61.826
22 Phenol	94	Compound Not Detected.					
23 bis(2-Chloroethyl)ether	93	Compound Not Detected.					
24 2-Chlorophenol	128	Compound Not Detected.					
26 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					
28 1,2-Dichlorobenzene	146	Compound Not Detected.					
217 Indene	116	Compound Not Detected.					
29 Benzyl Alcohol	108	Compound Not Detected.					
30 2-Methylphenol	108	Compound Not Detected.					
31 2,2'-oxybis(1-Chloropropane)	45	4.823	4.840	(1.045)	22267	0.61720	6.1720
37 Acetophenone	105	Compound Not Detected.					
32 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192 4-Methylphenol	108	Compound Not Detected.					
34 Hexachloroethane	117	Compound Not Detected.					
35 Nitrobenzene	77	Compound Not Detected.					
36 N-Nitrosopyrrolidine	100	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ng)
41 Isophorone	82	Compound Not Detected.					
42 2-Nitrophenol	139	Compound Not Detected.					
43 2,4-Dimethylphenol	107	Compound Not Detected.					
44 bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
48 2,4-Dichlorophenol	162	Compound Not Detected.					
49 Benzoic Acid	122	Compound Not Detected.					
50 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51 Naphthalene	128	Compound Not Detected.					
52 4-Chloroaniline	127	Compound Not Detected.					
54 2,6-Dichlorophenol	162	Compound Not Detected.					
56 Hexachlorobutadiene	224	Compound Not Detected.					
208 Caprolactam	113	Compound Not Detected.					
59 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
62 2-Methylnaphthalene	142	Compound Not Detected.					
63 1-Methylnaphthalene	142	Compound Not Detected.					
64 Hexachlorocyclopentadiene	236	Compound Not Detected.					
65 1,2,4,5-Tetrachlorobenzene	215	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	Compound Not Detected.					
67 2,4,5-Trichlorophenol	196	Compound Not Detected.					
209 1,1'-Biphenyl	154	Compound Not Detected.					
70 2-Chloronaphthalene	162	Compound Not Detected.					
73 2-Nitroaniline	65	Compound Not Detected.					
76 Dimethylphthalate	163	Compound Not Detected.					
78 2,6-Dinitrotoluene	165	Compound Not Detected.					
79 Acenaphthylene	152	Compound Not Detected.					
81 3-Nitroaniline	138	Compound Not Detected.					
82 Acenaphthene	153	Compound Not Detected.					
83 2,4-Dinitrophenol	184	Compound Not Detected.					
85 4-Nitrophenol	109	Compound Not Detected.					
86 Dibenzofuran	168	Compound Not Detected.					
87 2,4-Dinitrotoluene	165	Compound Not Detected.					
91 2,3,5,6-Tetrachlorophenol	231	Compound Not Detected.					
88 2,3,4,6-Tetrachlorophenol	231	Compound Not Detected.					
92 2-Naphthylamine	143	Compound Not Detected.					
93 Diethylphthalate	149	Compound Not Detected.					
94 Fluorene	166	Compound Not Detected.					
95 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96 4-Nitroaniline	138	Compound Not Detected.					
98 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99 N-Nitrosodiphenylamine (1)	169	Compound Not Detected.					
100 1,2-Diphenylhydrazine	77	Compound Not Detected.					
106 4-Bromophenyl-phenylether	248	Compound Not Detected.					
107 Hexachlorobenzene	283	Compound Not Detected.					
210 Atrazine	200	Compound Not Detected.					
111 Pentachlorophenol	265	Compound Not Detected.					
115 Phenanthrene	178	Compound Not Detected.					
116 Anthracene	178	Compound Not Detected.					
119 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	Compound Not Detected.					
123 Fluoranthene	202	Compound Not Detected.					
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	Compound Not Detected.					
131 Butylbenzylphthalate	149	Compound Not Detected.					
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					

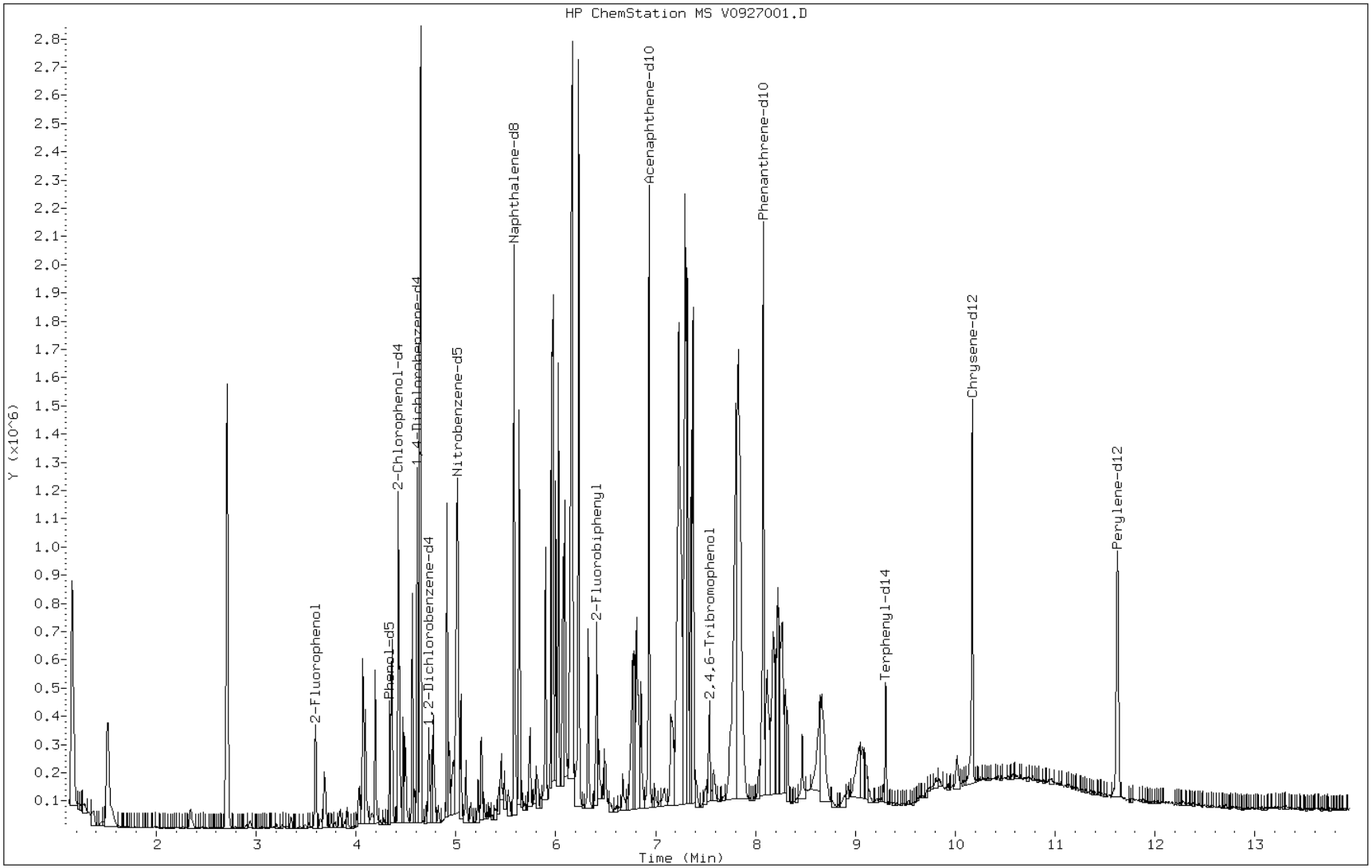
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
136 Benzo(a)Anthracene	228	Compound Not Detected.					
137 Chrysene	228	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	Compound Not Detected.					
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	Compound Not Detected.					
142 Benzo(k)fluoranthene	252	Compound Not Detected.					
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
146 Benzo(a)pyrene	252	Compound Not Detected.					
149 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
150 Dibenz(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 154 Nitrobenzene-d5	82	5.031	5.043	(0.901)	71301	2.53429	25.343
$ 155 2-Fluorobiphenyl	172	6.410	6.427	(0.924)	162618	2.33658	23.366
$ 156 Terphenyl-d14	244	9.300	9.317	(0.914)	136465	2.89887	28.989
$ 157 Phenol-d5	99	4.337	4.349	(0.940)	122750	3.93465	39.346
$ 158 2-Fluorophenol	112	3.594	3.601	(0.779)	94877	3.73476	37.348
$ 159 2,4,6-Tribromophenol	330	7.537	7.559	(0.933)	33748	4.38323	43.832
$ 186 2-Chlorophenol-d4	132	4.438	4.450	(0.962)	122481	3.79634	37.963
$ 187 1,2-Dichlorobenzene-d4	152	4.732	4.744	(1.025)	42732	1.85389	18.539

Data File: V0927001.D

Date: 27-SEP-2012 15:41

Client ID: MW-105 Instrument: 731.i

Sample Info: 180-14634-B-3-A,10 Operator: 003200



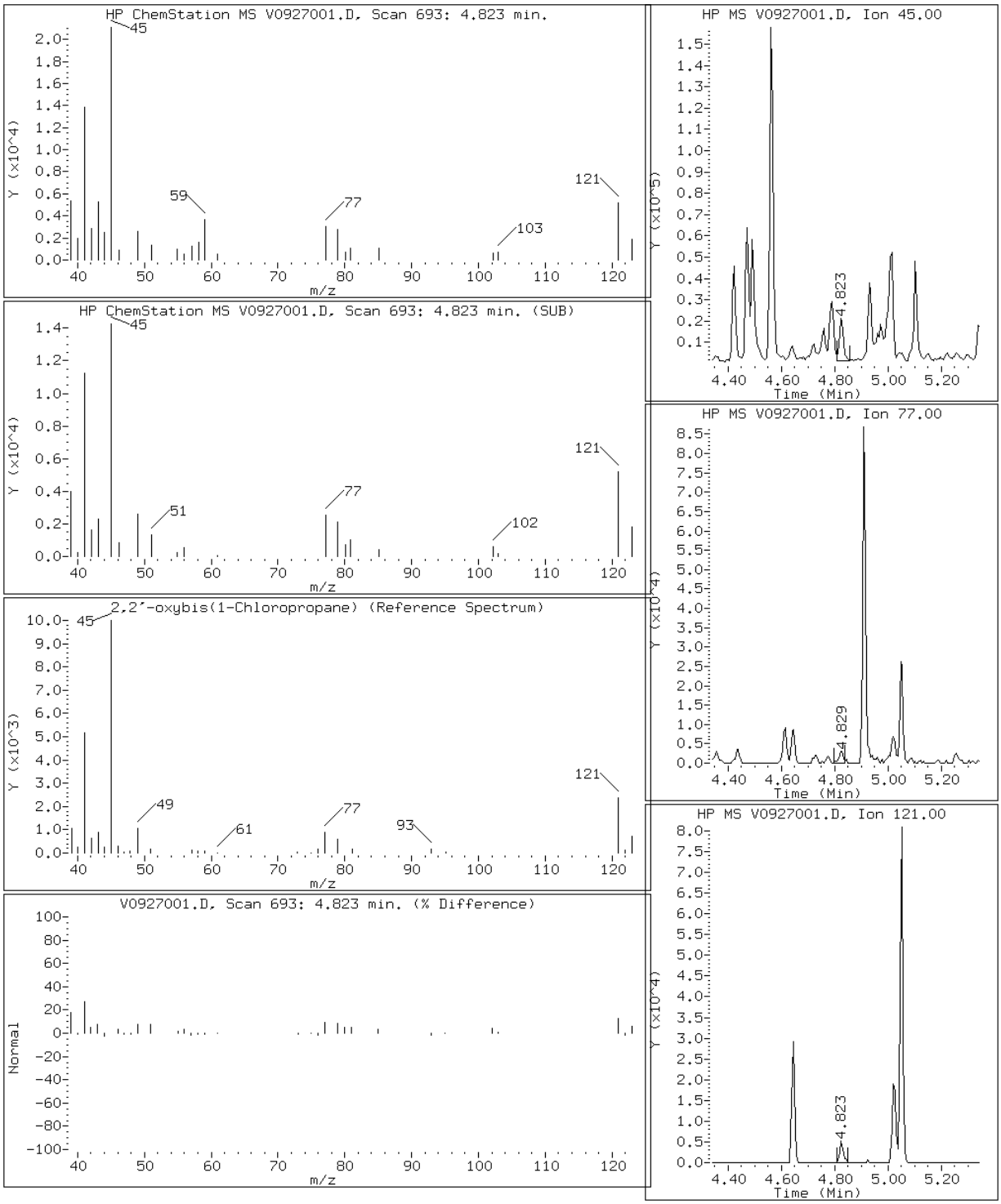
Data File: V0927001.D

Date: 27-SEP-2012 15:41

Client ID: MW-105 Instrument: 731.i

Sample Info: 180-14634-B-3-A,10 Operator: 003200

31 2,2'-oxybis(1-Chloropropane)



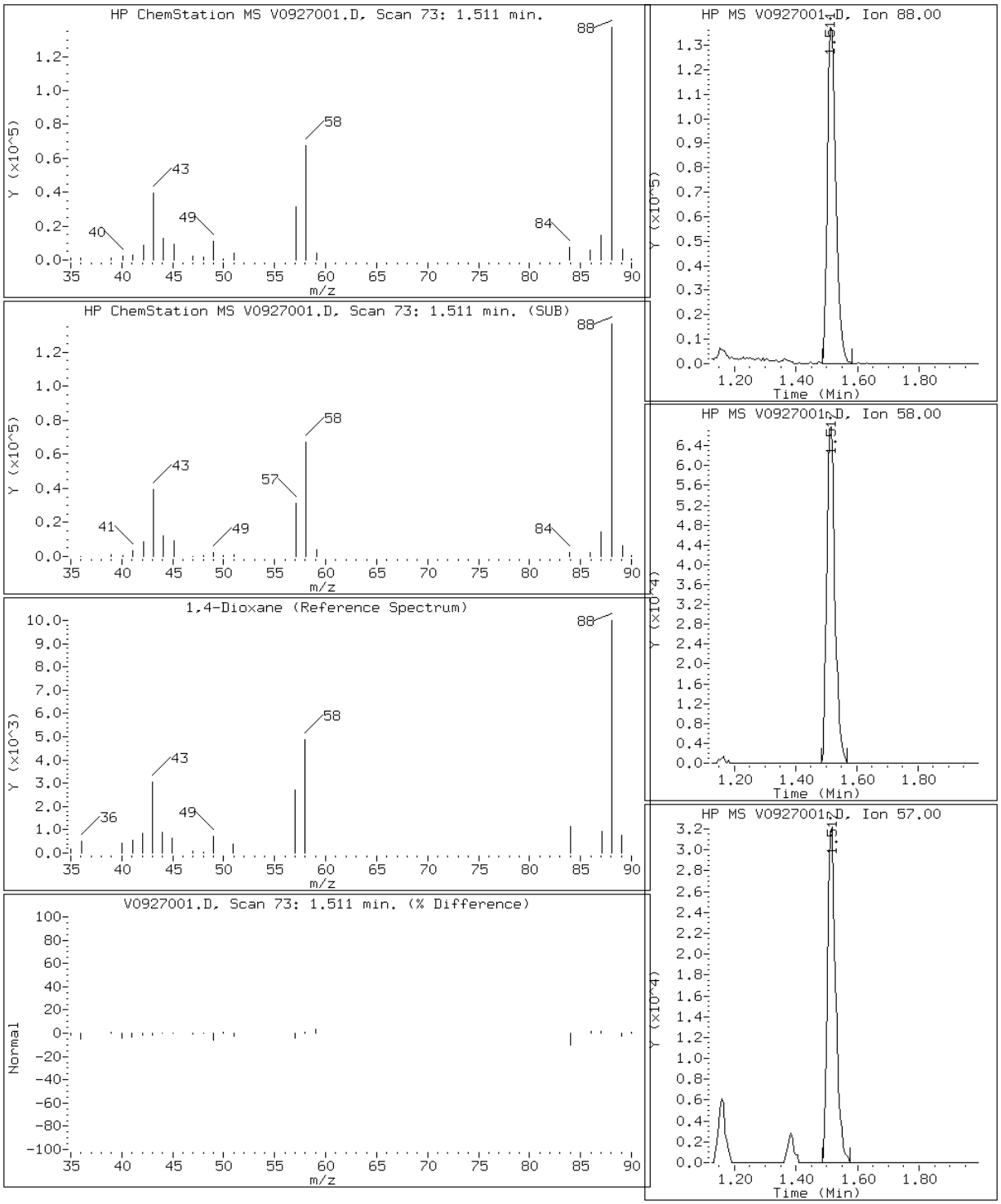
Data File: V0927001.D

Date: 27-SEP-2012 15:41

Client ID: MW-105 Instrument: 731.i

Sample Info: 180-14634-B-3-A,10 Operator: 003200

198 1,4-Dioxane



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1
SDG No.:
Client Sample ID: MW-109 | Lab Sample ID: 180-14634-4
Matrix: Water | Lab File ID: V0960019.D
Analysis Method: 8270C LL | Date Collected: 09/19/2012 10:30
Extract. Method: 3520C | Date Extracted: 09/25/2012 05:31
Sample wt/vol: 1010(mL) | Date Analyzed: 09/26/2012 20:33
Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1
Injection Volume: 2(uL) | Level: (low/med) Low
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 49849 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		0.20	0.014
208-96-8	Acenaphthylene	ND		0.20	0.015
98-86-2	Acetophenone	ND		0.99	0.079
120-12-7	Anthracene	ND		0.20	0.15
1912-24-9	Atrazine	ND		0.99	0.088
100-52-7	Benzaldehyde	ND		0.99	0.15
56-55-3	Benzo[a]anthracene	ND		0.20	0.015
205-99-2	Benzo[b]fluoranthene	ND		0.20	0.016
207-08-9	Benzo[k]fluoranthene	ND		0.20	0.054
191-24-2	Benzo[g,h,i]perylene	ND		0.20	0.015
50-32-8	Benzo[a]pyrene	ND		0.20	0.013
111-91-1	Bis(2-chloroethoxy)methane	ND		0.99	0.058
111-44-4	Bis(2-chloroethyl)ether	ND		0.20	0.025
117-81-7	Bis(2-ethylhexyl) phthalate	ND		2.0	1.2
85-68-7	Butyl benzyl phthalate	ND		0.99	0.14
92-52-4	1,1'-Biphenyl	ND		0.99	0.041
105-60-2	Caprolactam	ND		5.0	1.2
86-74-8	Carbazole	ND		0.20	0.016
218-01-9	Chrysene	ND		0.20	0.014
91-58-7	2-Chloronaphthalene	ND		0.20	0.015
95-57-8	2-Chlorophenol	ND		0.99	0.16
120-83-2	2,4-Dichlorophenol	ND		0.20	0.033
105-67-9	2,4-Dimethylphenol	ND		0.99	0.084
51-28-5	2,4-Dinitrophenol	ND		5.0	0.61
121-14-2	2,4-Dinitrotoluene	ND		0.99	0.053
606-20-2	2,6-Dinitrotoluene	ND		0.99	0.079
91-57-6	2-Methylnaphthalene	ND		0.20	0.012
95-48-7	2-Methylphenol	ND		0.99	0.085
88-74-4	2-Nitroaniline	ND		5.0	0.35
88-75-5	2-Nitrophenol	ND		0.99	0.17
108-60-1	2,2'-oxybis[1-chloropropane]	ND		0.20	0.020
95-95-4	2,4,5-Trichlorophenol	ND		0.99	0.15
88-06-2	2,4,6-Trichlorophenol	ND		0.99	0.17
100-01-6	4-Nitroaniline	ND		5.0	0.17

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-109 | Lab Sample ID: 180-14634-4

Matrix: Water | Lab File ID: V0960019.D

Analysis Method: 8270C LL | Date Collected: 09/19/2012 10:30

Extract. Method: 3520C | Date Extracted: 09/25/2012 05:31

Sample wt/vol: 1010(mL) | Date Analyzed: 09/26/2012 20:33

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49849 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	ND		5.0	0.64
7005-72-3	4-Chlorophenyl phenyl ether	ND		0.99	0.050
106-44-5	Methylphenol, 3 & 4	ND		0.99	0.089
534-52-1	4,6-Dinitro-2-methylphenol	ND		5.0	0.22
106-47-8	4-Chloroaniline	ND		0.99	0.088
59-50-7	4-Chloro-3-methylphenol	ND		0.99	0.075
101-55-3	4-Bromophenyl phenyl ether	ND		0.99	0.063
53-70-3	Dibenz(a,h)anthracene	ND		0.20	0.015
132-64-9	Dibenzofuran	ND		0.99	0.061
84-74-2	Di-n-butyl phthalate	ND		0.99	0.12
84-66-2	Diethyl phthalate	ND		0.99	0.14
131-11-3	Dimethyl phthalate	ND		0.99	0.076
117-84-0	Di-n-octyl phthalate	ND		0.99	0.20
91-94-1	3,3'-Dichlorobenzidine	ND		0.99	0.11
99-09-2	3-Nitroaniline	ND		5.0	0.32
206-44-0	Fluoranthene	ND		0.20	0.016
86-73-7	Fluorene	ND		0.20	0.021
118-74-1	Hexachlorobenzene	ND		0.20	0.018
87-68-3	Hexachlorobutadiene	ND		0.20	0.016
77-47-4	Hexachlorocyclopentadiene	ND		0.99	0.051
67-72-1	Hexachloroethane	ND		0.99	0.062
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.20	0.020
78-59-1	Isophorone	ND		0.99	0.064
91-20-3	Naphthalene	ND		0.20	0.014
98-95-3	Nitrobenzene	ND		2.0	0.083
86-30-6	N-Nitrosodiphenylamine	ND		0.99	0.084
621-64-7	N-Nitrosodi-n-propylamine	ND		0.20	0.030
129-00-0	Pyrene	ND		0.20	0.016
108-95-2	Phenol	ND		0.20	0.058
85-01-8	Phenanthrene	ND		0.20	0.042
87-86-5	Pentachlorophenol	ND		0.99	0.066
123-91-1	1,4-Dioxane	ND		2.0	0.14

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-109 | Lab Sample ID: 180-14634-4

Matrix: Water | Lab File ID: V0960019.D

Analysis Method: 8270C LL | Date Collected: 09/19/2012 10:30

Extract. Method: 3520C | Date Extracted: 09/25/2012 05:31

Sample wt/vol: 1010(mL) | Date Analyzed: 09/26/2012 20:33

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49849 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	52		16-122
321-60-8	2-Fluorobiphenyl	61		19-107
367-12-4	2-Fluorophenol	59		10-111
4165-60-0	Nitrobenzene-d5	63		23-112
4165-62-2	Phenol-d5	66		15-112
1718-51-0	Terphenyl-d14	91		10-132

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV092612.b\V0960019.D
Lab Smp Id: 180-14634-B-4-A Client Smp ID: MW-109
Inj Date : 26-SEP-2012 20:33
Operator : 003200 Inst ID: 731.i
Smp Info : 180-14634-B-4-A
Misc Info : 180-14634-B-4-A
Comment :
Method : \\PITSVR06\D\chem\731.i\TV092612.b\T8270ll.m
Meth Date : 26-Sep-2012 13:25 piccolinov Quant Type: ISTD
Cal Date : 12-SEP-2012 13:48 Cal File: V0912IC8.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: padepi.sub
Target Version: 4.14
Processing Host: PITPC-502

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 1 1,4-Dichlorobenzene-d4	152	4.563	4.580	(1.000)	218796	8.00000	
* 2 Naphthalene-d8	136	5.536	5.552	(1.000)	863662	8.00000	
* 3 Acenaphthene-d10	164	6.882	6.899	(1.000)	501174	8.00000	
* 4 Phenanthrene-d10	188	8.025	8.042	(1.000)	774504	8.00000	
* 5 Chrysene-d12	240	10.087	10.093	(1.000)	550890	8.00000	
* 6 Perylene-d12	264	11.497	11.514	(1.000)	554846	8.00000	
198 1,4-Dioxane	88	Compound Not Detected.					
10 N-Nitrosodimethylamine	74	Compound Not Detected.					
9 Pyridine	79	Compound Not Detected.					
16 Methyl methanesulfonate	80	Compound Not Detected.					
206 Benzaldehyde	77	Compound Not Detected.					
21 Aniline	93	Compound Not Detected.					
22 Phenol	94	Compound Not Detected.					
23 bis(2-Chloroethyl)ether	93	Compound Not Detected.					
24 2-Chlorophenol	128	Compound Not Detected.					
26 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					
28 1,2-Dichlorobenzene	146	Compound Not Detected.					
217 Indene	116	Compound Not Detected.					
29 Benzyl Alcohol	108	Compound Not Detected.					
30 2-Methylphenol	108	Compound Not Detected.					
31 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
37 Acetophenone	105	Compound Not Detected.					
32 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192 4-Methylphenol	108	Compound Not Detected.					
34 Hexachloroethane	117	Compound Not Detected.					
35 Nitrobenzene	77	Compound Not Detected.					
36 N-Nitrosopyrrolidine	100	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
41 Isophorone	82	Compound Not Detected.					
42 2-Nitrophenol	139	Compound Not Detected.					
43 2,4-Dimethylphenol	107	Compound Not Detected.					
44 bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
48 2,4-Dichlorophenol	162	Compound Not Detected.					
49 Benzoic Acid	122	5.317	5.349	(0.960)	3447	0.15975	0.15975
50 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51 Naphthalene	128	Compound Not Detected.					
52 4-Chloroaniline	127	Compound Not Detected.					
54 2,6-Dichlorophenol	162	Compound Not Detected.					
56 Hexachlorobutadiene	224	Compound Not Detected.					
208 Caprolactam	113	5.829	5.846	(1.053)	2543	0.31229	0.31229
59 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
62 2-Methylnaphthalene	142	Compound Not Detected.					
63 1-Methylnaphthalene	142	Compound Not Detected.					
64 Hexachlorocyclopentadiene	236	Compound Not Detected.					
65 1,2,4,5-Tetrachlorobenzene	215	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	Compound Not Detected.					
67 2,4,5-Trichlorophenol	196	Compound Not Detected.					
209 1,1'-Biphenyl	154	Compound Not Detected.					
70 2-Chloronaphthalene	162	Compound Not Detected.					
73 2-Nitroaniline	65	Compound Not Detected.					
76 Dimethylphthalate	163	Compound Not Detected.					
78 2,6-Dinitrotoluene	165	Compound Not Detected.					
79 Acenaphthylene	152	Compound Not Detected.					
81 3-Nitroaniline	138	Compound Not Detected.					
82 Acenaphthene	153	Compound Not Detected.					
83 2,4-Dinitrophenol	184	Compound Not Detected.					
85 4-Nitrophenol	109	Compound Not Detected.					
86 Dibenzofuran	168	Compound Not Detected.					
87 2,4-Dinitrotoluene	165	Compound Not Detected.					
91 2,3,5,6-Tetrachlorophenol	231	Compound Not Detected.					
88 2,3,4,6-Tetrachlorophenol	231	Compound Not Detected.					
92 2-Naphthylamine	143	Compound Not Detected.					
93 Diethylphthalate	149	7.197	7.219	(1.046)	5773	0.07373	0.073735
94 Fluorene	166	Compound Not Detected.					
95 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96 4-Nitroaniline	138	Compound Not Detected.					
98 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99 N-Nitrosodiphenylamine (1)	169	Compound Not Detected.					
100 1,2-Diphenylhydrazine	77	Compound Not Detected.					
106 4-Bromophenyl-phenylether	248	Compound Not Detected.					
107 Hexachlorobenzene	283	Compound Not Detected.					
210 Atrazine	200	Compound Not Detected.					
111 Pentachlorophenol	265	Compound Not Detected.					
115 Phenanthrene	178	Compound Not Detected.					
116 Anthracene	178	Compound Not Detected.					
119 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	Compound Not Detected.					
123 Fluoranthene	202	Compound Not Detected.					
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	Compound Not Detected.					
131 Butylbenzylphthalate	149	Compound Not Detected.					
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					

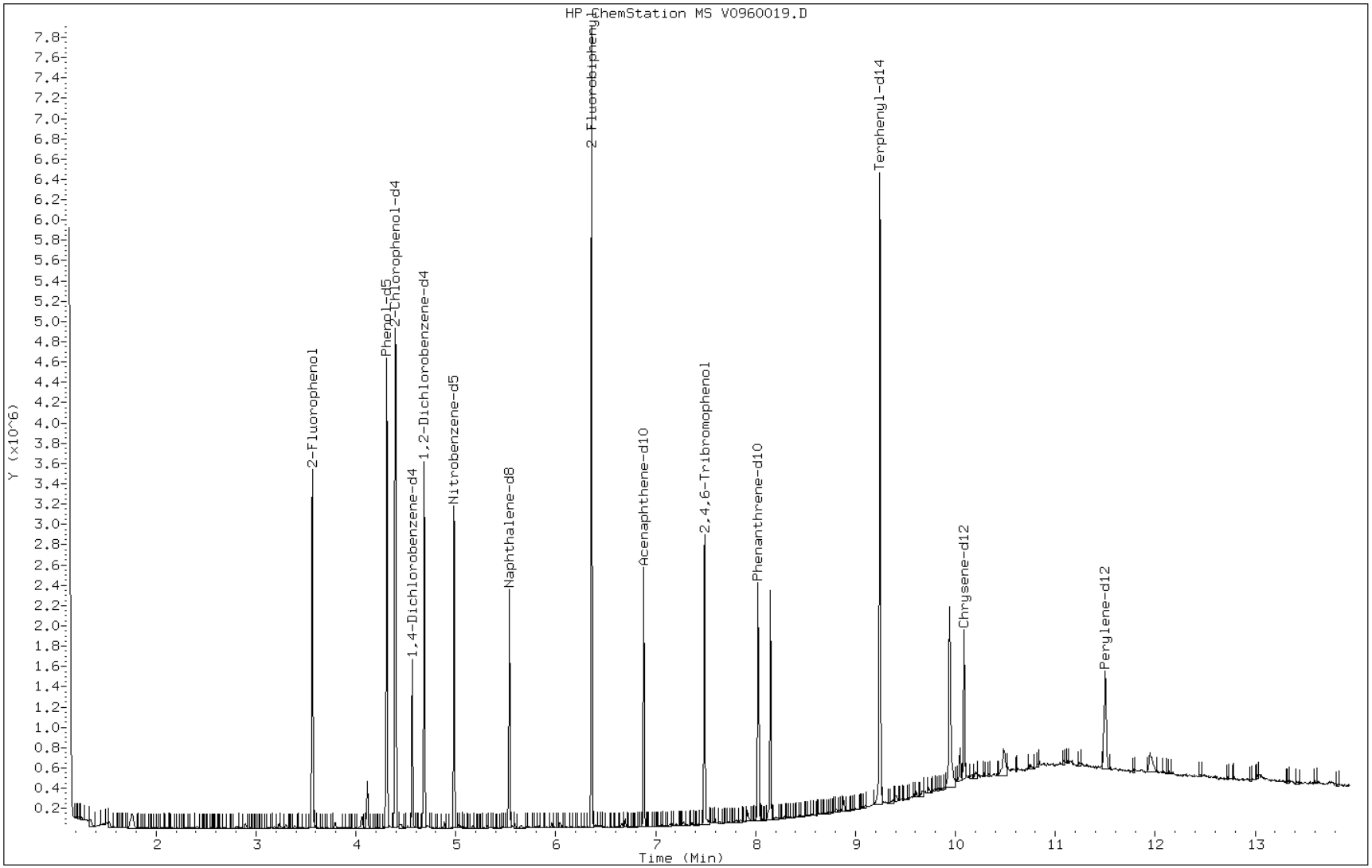
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
136 Benzo(a)Anthracene	228	Compound Not Detected.					
137 Chrysene	228	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	10.044	10.050	(0.996)	91746	1.71479	1.7148
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	Compound Not Detected.					
142 Benzo(k)fluoranthene	252	Compound Not Detected.					
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
146 Benzo(a)pyrene	252	Compound Not Detected.					
149 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
150 Dibenz(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 154 Nitrobenzene-d5	82	4.980	4.997	(0.900)	833938	25.2247	25.225
$ 155 2-Fluorobiphenyl	172	6.358	6.375	(0.924)	2008760	24.2385	24.238
$ 156 Terphenyl-d14	244	9.243	9.260	(0.916)	1931392	36.5670	36.567
$ 157 Phenol-d5	99	4.307	4.313	(0.944)	1414614	39.4335	39.433
$ 158 2-Fluorophenol	112	3.564	3.565	(0.781)	1042244	35.6791	35.679
$ 159 2,4,6-Tribromophenol	330	7.491	7.508	(0.933)	278933	31.0105	31.010
$ 186 2-Chlorophenol-d4	132	4.392	4.404	(0.963)	1367514	36.8613	36.861
$ 187 1,2-Dichlorobenzene-d4	152	4.681	4.698	(1.026)	497803	18.7815	18.782

Data File: V0960019.D

Date: 26-SEP-2012 20:33

Client ID: MW-109 Instrument: 731.i

Sample Info: 180-14634-B-4-A Operator: 003200



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1
SDG No.:
Client Sample ID: MW-114 | Lab Sample ID: 180-14634-5
Matrix: Water | Lab File ID: V0927002.D
Analysis Method: 8270C LL | Date Collected: 09/19/2012 12:00
Extract. Method: 3520C | Date Extracted: 09/25/2012 05:31
Sample wt/vol: 1010(mL) | Date Analyzed: 09/27/2012 16:05
Con. Extract Vol.: 1.0(mL) | Dilution Factor: 20
Injection Volume: 2(uL) | Level: (low/med) Low
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 50044 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		4.0	0.29
208-96-8	Acenaphthylene	ND		4.0	0.30
98-86-2	Acetophenone	ND		20	1.6
120-12-7	Anthracene	ND		4.0	3.0
1912-24-9	Atrazine	ND		20	1.8
100-52-7	Benzaldehyde	ND		20	3.0
56-55-3	Benzo[a]anthracene	ND		4.0	0.29
205-99-2	Benzo[b]fluoranthene	ND		4.0	0.31
207-08-9	Benzo[k]fluoranthene	ND		4.0	1.1
191-24-2	Benzo[g,h,i]perylene	ND		4.0	0.30
50-32-8	Benzo[a]pyrene	ND		4.0	0.27
111-91-1	Bis(2-chloroethoxy)methane	ND		20	1.2
111-44-4	Bis(2-chloroethyl)ether	6.5		4.0	0.50
117-81-7	Bis(2-ethylhexyl) phthalate	ND		40	25
85-68-7	Butyl benzyl phthalate	ND		20	2.8
92-52-4	1,1'-Biphenyl	1.7	J	20	0.82
105-60-2	Caprolactam	ND		99	24
86-74-8	Carbazole	ND		4.0	0.31
218-01-9	Chrysene	ND		4.0	0.28
91-58-7	2-Chloronaphthalene	ND		4.0	0.30
95-57-8	2-Chlorophenol	11	J	20	3.3
120-83-2	2,4-Dichlorophenol	ND		4.0	0.66
105-67-9	2,4-Dimethylphenol	18	J	20	1.7
51-28-5	2,4-Dinitrophenol	ND		99	12
121-14-2	2,4-Dinitrotoluene	ND		20	1.1
606-20-2	2,6-Dinitrotoluene	ND		20	1.6
91-57-6	2-Methylnaphthalene	ND		4.0	0.24
95-48-7	2-Methylphenol	5.3	J	20	1.7
88-74-4	2-Nitroaniline	ND		99	7.0
88-75-5	2-Nitrophenol	ND		20	3.4
108-60-1	2,2'-oxybis[1-chloropropane]	79		4.0	0.39
95-95-4	2,4,5-Trichlorophenol	ND		20	3.0
88-06-2	2,4,6-Trichlorophenol	ND		20	3.5
100-01-6	4-Nitroaniline	ND		99	3.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1
SDG No.:
Client Sample ID: MW-114 | Lab Sample ID: 180-14634-5
Matrix: Water | Lab File ID: V0927002.D
Analysis Method: 8270C LL | Date Collected: 09/19/2012 12:00
Extract. Method: 3520C | Date Extracted: 09/25/2012 05:31
Sample wt/vol: 1010(mL) | Date Analyzed: 09/27/2012 16:05
Con. Extract Vol.: 1.0(mL) | Dilution Factor: 20
Injection Volume: 2(uL) | Level: (low/med) Low
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 50044 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	ND		99	13
7005-72-3	4-Chlorophenyl phenyl ether	ND		20	1.0
106-44-5	Methylphenol, 3 & 4	ND		20	1.8
534-52-1	4,6-Dinitro-2-methylphenol	ND		99	4.4
106-47-8	4-Chloroaniline	ND		20	1.8
59-50-7	4-Chloro-3-methylphenol	ND		20	1.5
101-55-3	4-Bromophenyl phenyl ether	ND		20	1.3
53-70-3	Dibenz(a,h)anthracene	ND		4.0	0.31
132-64-9	Dibenzofuran	ND		20	1.2
84-74-2	Di-n-butyl phthalate	ND		20	2.5
84-66-2	Diethyl phthalate	7.3	J	20	2.9
131-11-3	Dimethyl phthalate	ND		20	1.5
117-84-0	Di-n-octyl phthalate	ND		20	4.1
91-94-1	3,3'-Dichlorobenzidine	ND		20	2.2
99-09-2	3-Nitroaniline	ND		99	6.4
206-44-0	Fluoranthene	ND		4.0	0.32
86-73-7	Fluorene	ND		4.0	0.43
118-74-1	Hexachlorobenzene	ND		4.0	0.36
87-68-3	Hexachlorobutadiene	ND		4.0	0.33
77-47-4	Hexachlorocyclopentadiene	ND		20	1.0
67-72-1	Hexachloroethane	ND		20	1.2
193-39-5	Indeno[1,2,3-cd]pyrene	ND		4.0	0.39
78-59-1	Isophorone	ND		20	1.3
91-20-3	Naphthalene	36		4.0	0.28
98-95-3	Nitrobenzene	ND		40	1.7
86-30-6	N-Nitrosodiphenylamine	ND		20	1.7
621-64-7	N-Nitrosodi-n-propylamine	ND		4.0	0.61
129-00-0	Pyrene	ND		4.0	0.31
108-95-2	Phenol	4.9		4.0	1.2
85-01-8	Phenanthrene	ND		4.0	0.85
87-86-5	Pentachlorophenol	ND		20	1.3
123-91-1	1,4-Dioxane	36	J	40	2.8

FORM I

GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-114 | Lab Sample ID: 180-14634-5

Matrix: Water | Lab File ID: V0927002.D

Analysis Method: 8270C LL | Date Collected: 09/19/2012 12:00

Extract. Method: 3520C | Date Extracted: 09/25/2012 05:31

Sample wt/vol: 1010(mL) | Date Analyzed: 09/27/2012 16:05

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 20

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 50044 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	70	D	16-122
321-60-8	2-Fluorobiphenyl	56	D	19-107
367-12-4	2-Fluorophenol	61	D	10-111
4165-60-0	Nitrobenzene-d5	68	D	23-112
4165-62-2	Phenol-d5	62	D	15-112
1718-51-0	Terphenyl-d14	82	D	10-132

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV092712.b\V0927002.D
Lab Smp Id: 180-14634-B-5-A Client Smp ID: MW-114
Inj Date : 27-SEP-2012 16:05
Operator : 003200 Inst ID: 731.i
Smp Info : 180-14634-B-5-A,20
Misc Info : 180-14634-B-5-A
Comment :
Method : \\PITSVR06\D\chem\731.i\TV092712.b\T8270ll.m
Meth Date : 27-Sep-2012 11:39 piccolinov Quant Type: ISTD
Cal Date : 12-SEP-2012 13:48 Cal File: V0912IC8.D
Als bottle: 4
Dil Factor: 20.00000
Integrator: HP RTE Compound Sublist: padepi.sub
Target Version: 4.14
Processing Host: PITPC-502

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 1 1,4-Dichlorobenzene-d4	152	4.614	4.627	(1.000)	199964	8.00000	
* 2 Naphthalene-d8	136	5.586	5.599	(1.000)	756599	8.00000	
* 3 Acenaphthene-d10	164	6.932	6.956	(1.000)	463790	8.00000	(M)
* 4 Phenanthrene-d10	188	8.081	8.099	(1.000)	738146	8.00000	
* 5 Chrysene-d12	240	10.175	10.156	(1.000)	578784	8.00000	
* 6 Perylene-d12	264	11.633	11.603	(1.000)	569823	8.00000	
198 1,4-Dioxane	88	1.531	1.491	(0.332)	28552	3.64149	72.830(M)
10 N-Nitrosodimethylamine	74	Compound Not Detected.					
9 Pyridine	79	Compound Not Detected.					
16 Methyl methanesulfonate	80	Compound Not Detected.					
206 Benzaldehyde	77	Compound Not Detected.					
21 Aniline	93	4.357	4.365	(0.944)	124046	3.28063	65.613
22 Phenol	94	4.347	4.359	(0.942)	19134	0.49434	9.8868
23 bis(2-Chloroethyl)ether	93	4.411	4.424	(0.956)	17259	0.65429	13.086
24 2-Chlorophenol	128	4.448	4.461	(0.964)	37442	1.11141	22.228
26 1,3-Dichlorobenzene	146	4.571	4.578	(0.991)	40781	1.01316	20.263
27 1,4-Dichlorobenzene	146	4.624	4.637	(1.002)	400199	9.70731	194.15
28 1,2-Dichlorobenzene	146	4.742	4.755	(1.028)	1302035	32.7343	654.68
217 Indene	116	Compound Not Detected.					
29 Benzyl Alcohol	108	Compound Not Detected.					
30 2-Methylphenol	108	4.806	4.819	(1.042)	15521	0.53940	10.788
31 2,2'-oxybis(1-Chloropropane)	45	4.827	4.840	(1.046)	303007	7.99187	159.84
37 Acetophenone	105	Compound Not Detected.					
32 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192 4-Methylphenol	108	Compound Not Detected.					
34 Hexachloroethane	117	Compound Not Detected.					
35 Nitrobenzene	77	Compound Not Detected.					
36 N-Nitrosopyrrolidine	100	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
41 Isophorone	82	Compound Not Detected.					
42 2-Nitrophenol	139	Compound Not Detected.					
43 2,4-Dimethylphenol	107	5.324	5.337	(0.953)	52064	1.78246	35.649
44 bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
48 2,4-Dichlorophenol	162	Compound Not Detected.					
49 Benzoic Acid	122	Compound Not Detected.					
50 1,2,4-Trichlorobenzene	180	5.538	5.556	(0.991)	4445	0.13051	2.6102
51 Naphthalene	128	5.602	5.615	(1.003)	354614	3.64662	72.932
52 4-Chloroaniline	127	Compound Not Detected.					
54 2,6-Dichlorophenol	162	Compound Not Detected.					
56 Hexachlorobutadiene	224	Compound Not Detected.					
208 Caprolactam	113	Compound Not Detected.					
59 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
62 2-Methylnaphthalene	142	Compound Not Detected.					
63 1-Methylnaphthalene	142	Compound Not Detected.					
64 Hexachlorocyclopentadiene	236	Compound Not Detected.					
65 1,2,4,5-Tetrachlorobenzene	215	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	Compound Not Detected.					
67 2,4,5-Trichlorophenol	196	Compound Not Detected.					
209 1,1'-Biphenyl	154	6.489	6.507	(0.936)	14560	0.16845	3.3691
70 2-Chloronaphthalene	162	Compound Not Detected.					
73 2-Nitroaniline	65	Compound Not Detected.					
76 Dimethylphthalate	163	Compound Not Detected.					
78 2,6-Dinitrotoluene	165	Compound Not Detected.					
79 Acenaphthylene	152	Compound Not Detected.					
81 3-Nitroaniline	138	Compound Not Detected.					
82 Acenaphthene	153	Compound Not Detected.					
83 2,4-Dinitrophenol	184	Compound Not Detected.					
85 4-Nitrophenol	109	Compound Not Detected.					
86 Dibenzofuran	168	Compound Not Detected.					
87 2,4-Dinitrotoluene	165	Compound Not Detected.					
91 2,3,5,6-Tetrachlorophenol	231	Compound Not Detected.					
88 2,3,4,6-Tetrachlorophenol	231	Compound Not Detected.					
92 2-Naphthylamine	143	Compound Not Detected.					
93 Diethylphthalate	149	7.247	7.271	(1.045)	53415	0.73723	14.744
94 Fluorene	166	Compound Not Detected.					
95 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96 4-Nitroaniline	138	Compound Not Detected.					
98 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99 N-Nitrosodiphenylamine (1)	169	Compound Not Detected.					
100 1,2-Diphenylhydrazine	77	Compound Not Detected.					
106 4-Bromophenyl-phenylether	248	Compound Not Detected.					
107 Hexachlorobenzene	283	Compound Not Detected.					
210 Atrazine	200	Compound Not Detected.					
111 Pentachlorophenol	265	Compound Not Detected.					
115 Phenanthrene	178	Compound Not Detected.					
116 Anthracene	178	Compound Not Detected.					
119 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	Compound Not Detected.					
123 Fluoranthene	202	Compound Not Detected.					
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	Compound Not Detected.					
131 Butylbenzylphthalate	149	Compound Not Detected.					
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
136 Benzo(a)Anthracene	228	Compound Not Detected.					
137 Chrysene	228	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	Compound Not Detected.					
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	Compound Not Detected.					
142 Benzo(k)fluoranthene	252	Compound Not Detected.					
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
146 Benzo(a)pyrene	252	Compound Not Detected.					
149 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
150 Dibenz(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 154 Nitrobenzene-d5	82	5.030	5.043	(0.901)	39144	1.35156	27.031
$ 155 2-Fluorobiphenyl	172	6.409	6.427	(0.924)	85581	1.11589	22.318(M)
$ 156 Terphenyl-d14	244	9.304	9.317	(0.914)	90773	1.63577	32.715
$ 157 Phenol-d5	99	4.336	4.349	(0.940)	60964	1.85947	37.189
$ 158 2-Fluorophenol	112	3.593	3.601	(0.779)	48485	1.81610	36.322
$ 159 2,4,6-Tribromophenol	330	7.541	7.559	(0.933)	18054	2.10603	42.120
$ 186 2-Chlorophenol-d4	132	4.437	4.450	(0.962)	60361	1.78026	35.605
$ 187 1,2-Dichlorobenzene-d4	152	4.731	4.744	(1.025)	24705	1.01987	20.397

QC Flag Legend

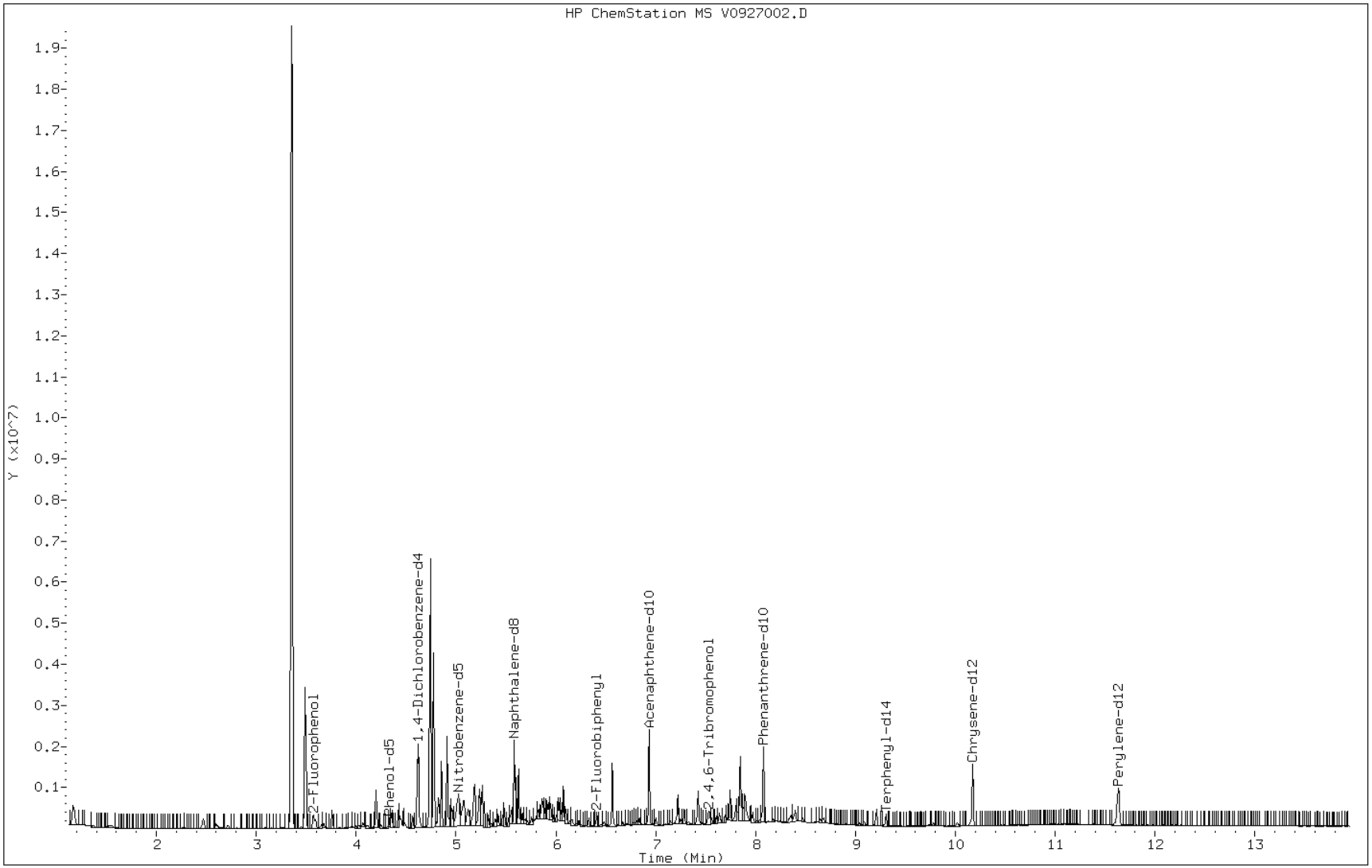
M - Compound response manually integrated.

Data File: V0927002.D

Date: 27-SEP-2012 16:05

Client ID: MW-114 Instrument: 731.i

Sample Info: 180-14634-B-5-A,20 Operator: 003200



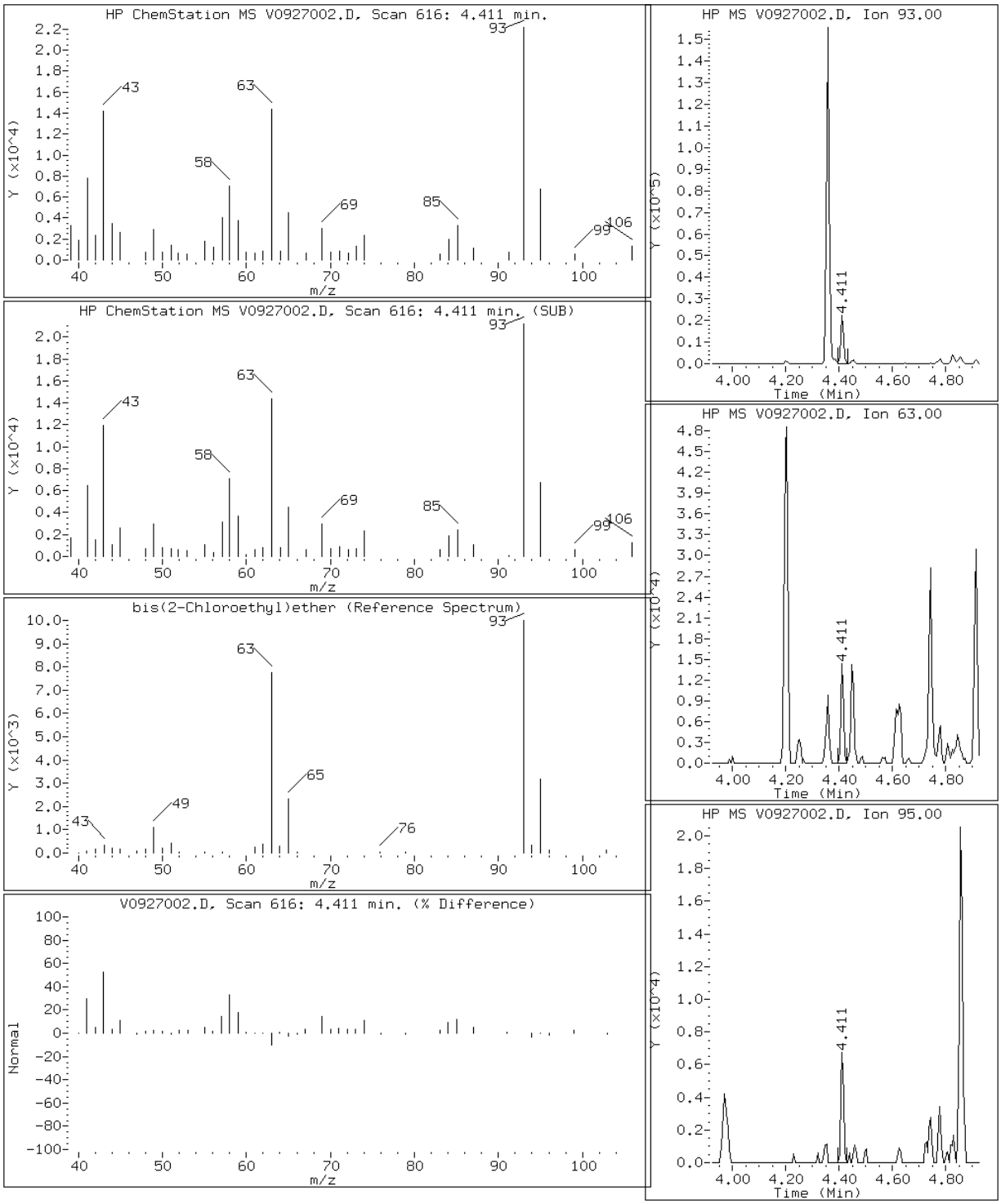
Data File: V0927002.D

Date: 27-SEP-2012 16:05

Client ID: MW-114 Instrument: 731.i

Sample Info: 180-14634-B-5-A,20 Operator: 003200

23 bis(2-Chloroethyl)ether



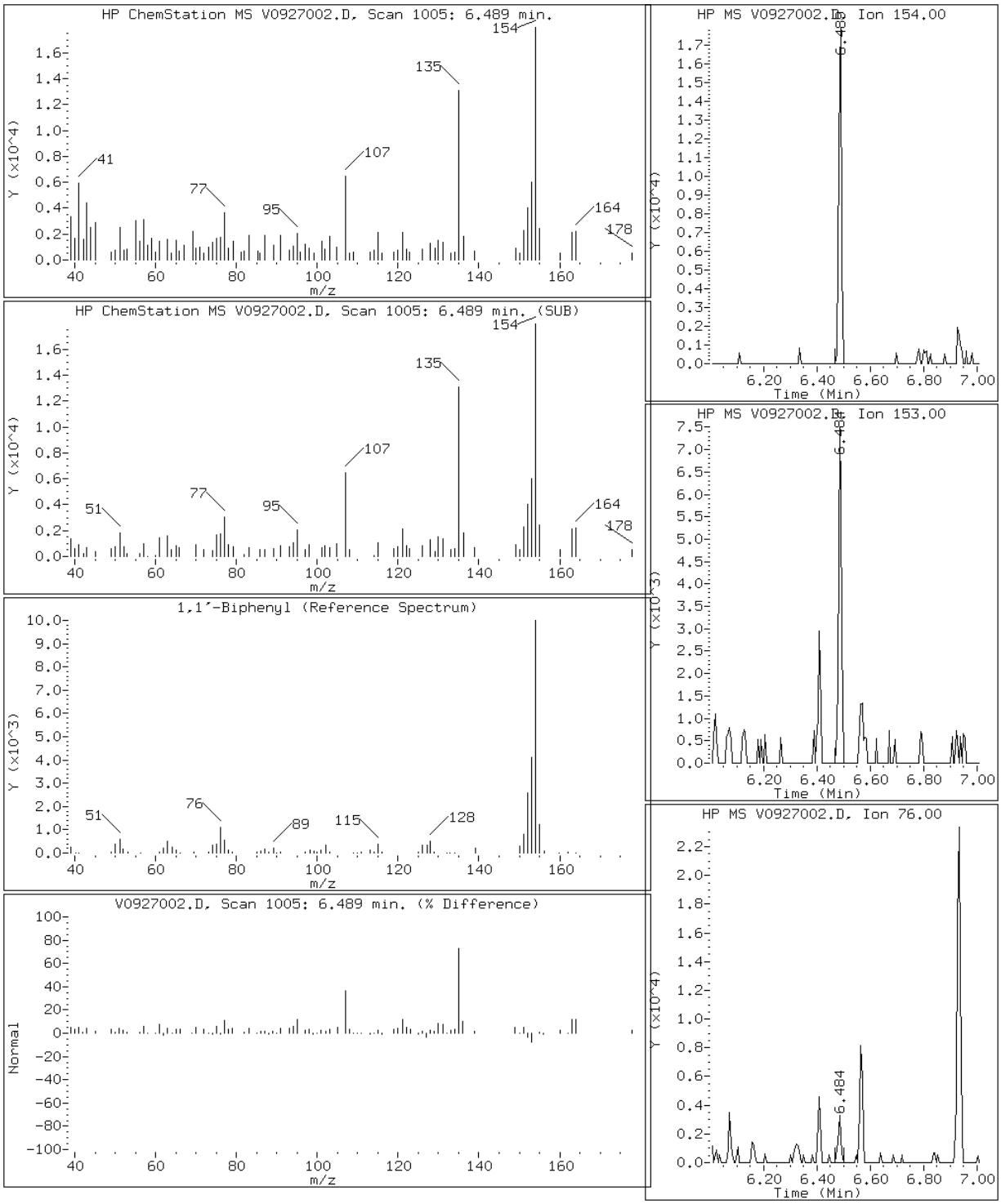
Data File: V0927002.D

Date: 27-SEP-2012 16:05

Client ID: MW-114 Instrument: 731.i

Sample Info: 180-14634-B-5-A,20 Operator: 003200

209 1,1'-Biphenyl



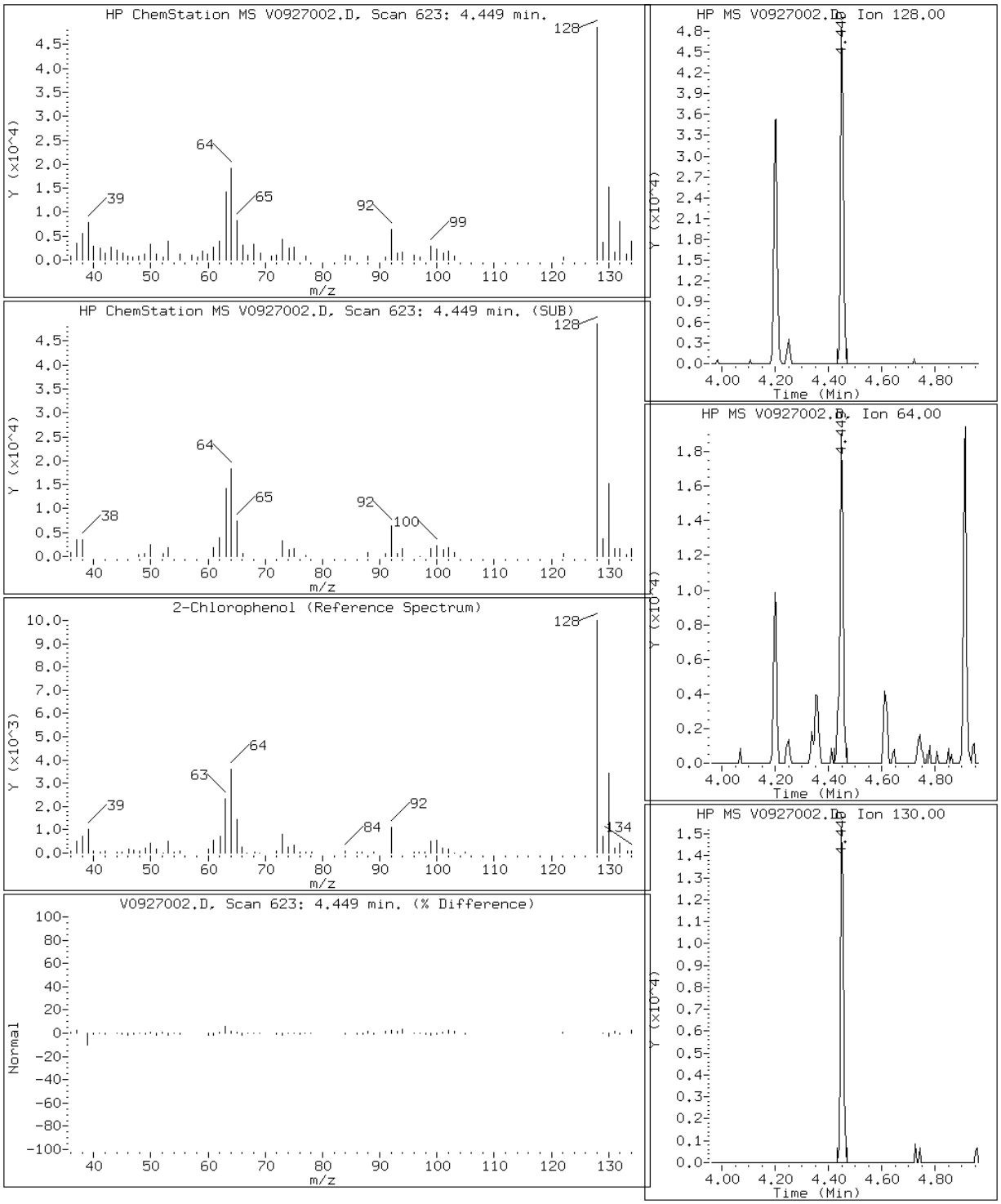
Data File: V0927002.D

Date: 27-SEP-2012 16:05

Client ID: MW-114 Instrument: 731.i

Sample Info: 180-14634-B-5-A,20 Operator: 003200

24 2-Chlorophenol



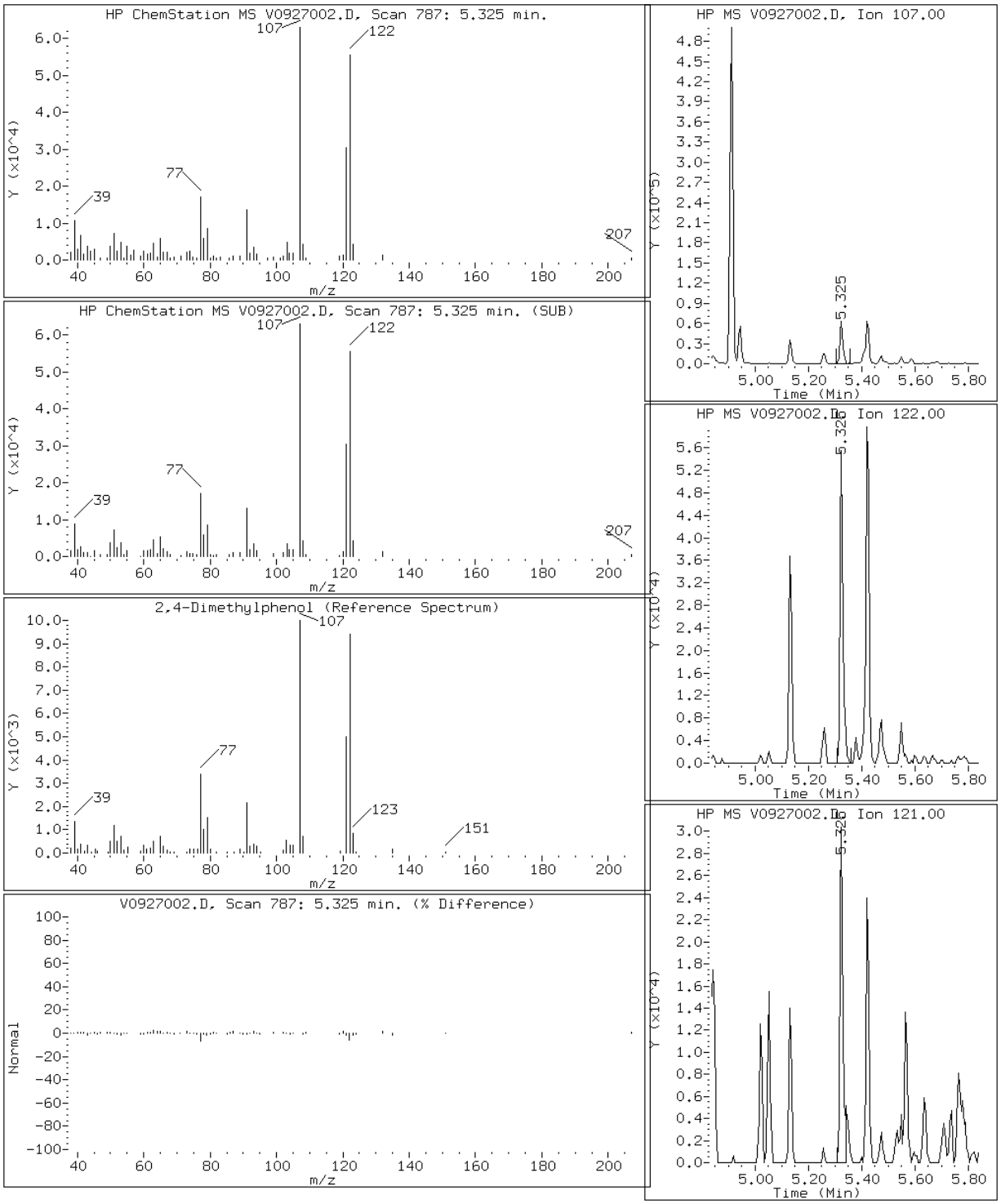
Data File: V0927002.D

Date: 27-SEP-2012 16:05

Client ID: MW-114 Instrument: 731.i

Sample Info: 180-14634-B-5-A,20 Operator: 003200

43 2,4-Dimethylphenol



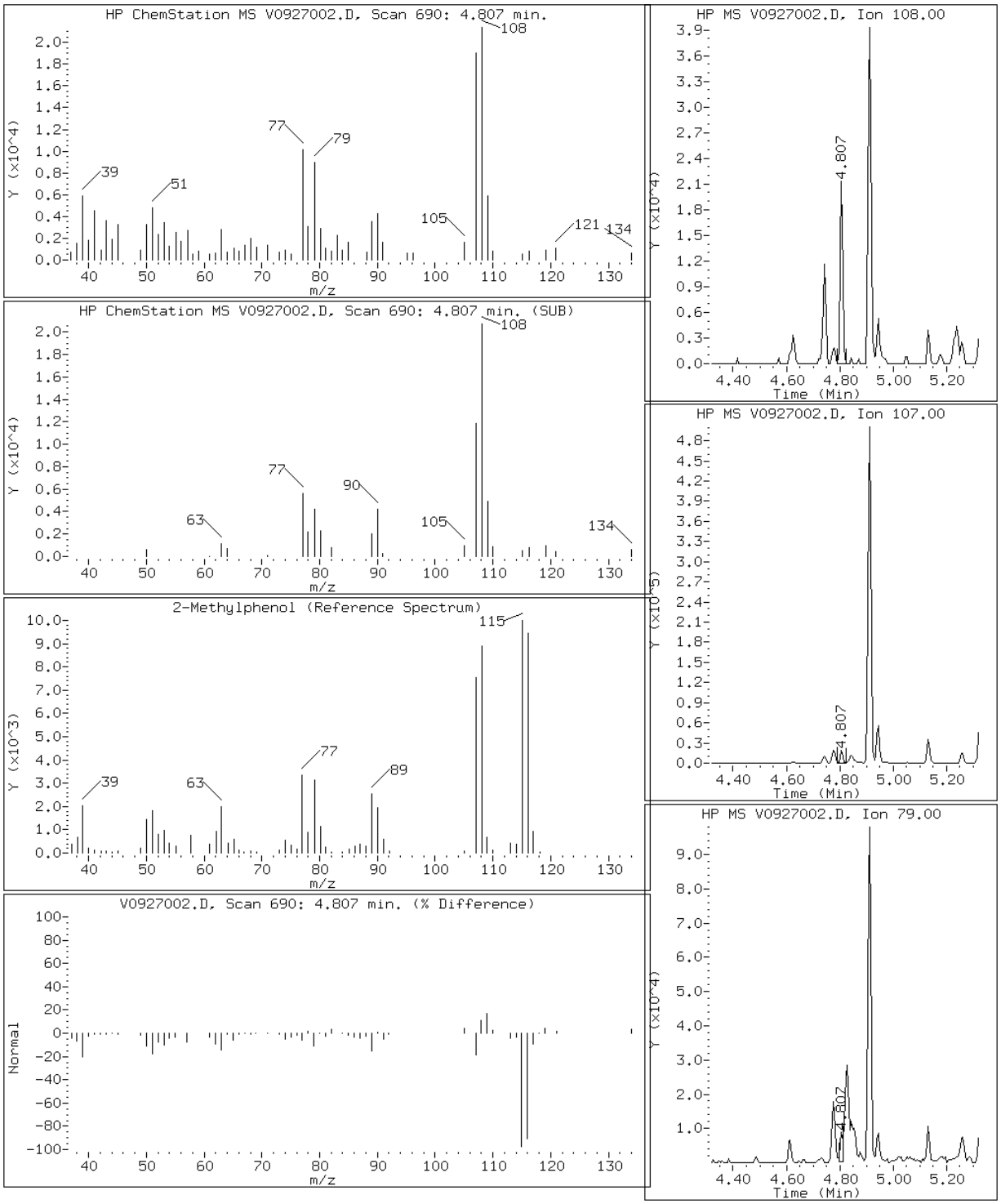
Data File: V0927002.D

Date: 27-SEP-2012 16:05

Client ID: MW-114 Instrument: 731.i

Sample Info: 180-14634-B-5-A,20 Operator: 003200

30 2-Methylphenol



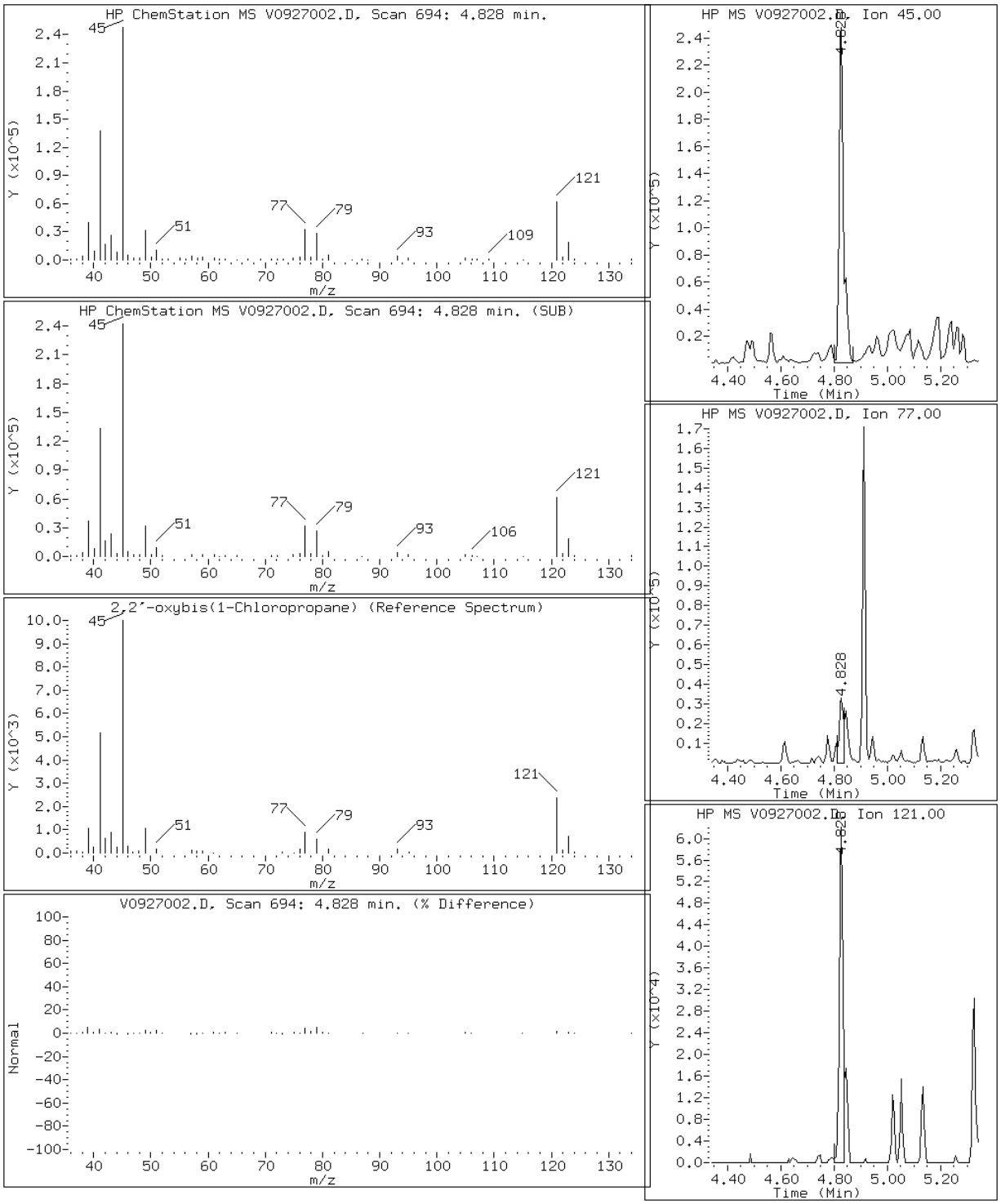
Data File: V0927002.D

Date: 27-SEP-2012 16:05

Client ID: MW-114 Instrument: 731.i

Sample Info: 180-14634-B-5-A,20 Operator: 003200

31 2,2'-oxybis(1-Chloropropane)



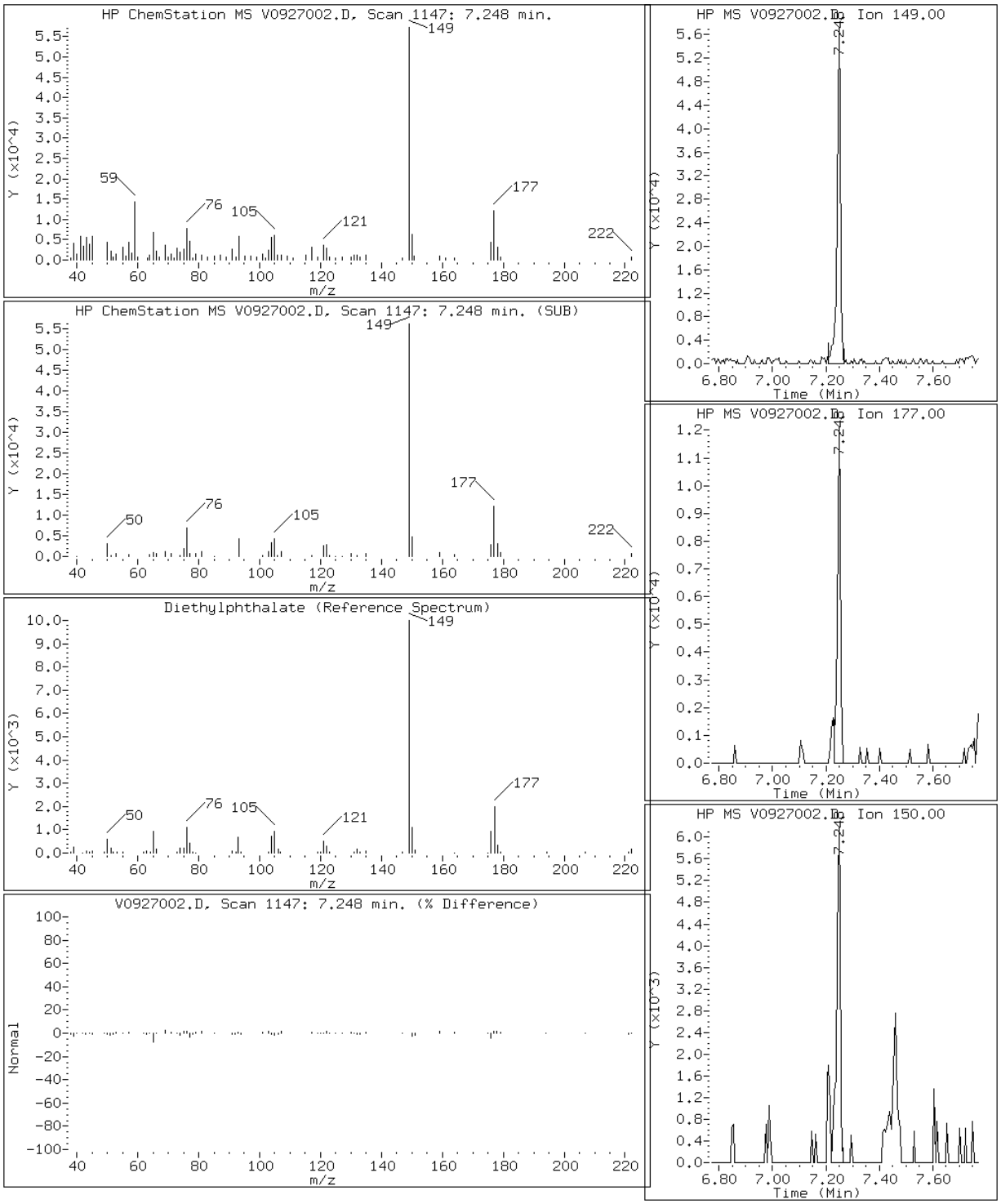
Data File: V0927002.D

Date: 27-SEP-2012 16:05

Client ID: MW-114 Instrument: 731.i

Sample Info: 180-14634-B-5-A,20 Operator: 003200

93 Diethylphthalate



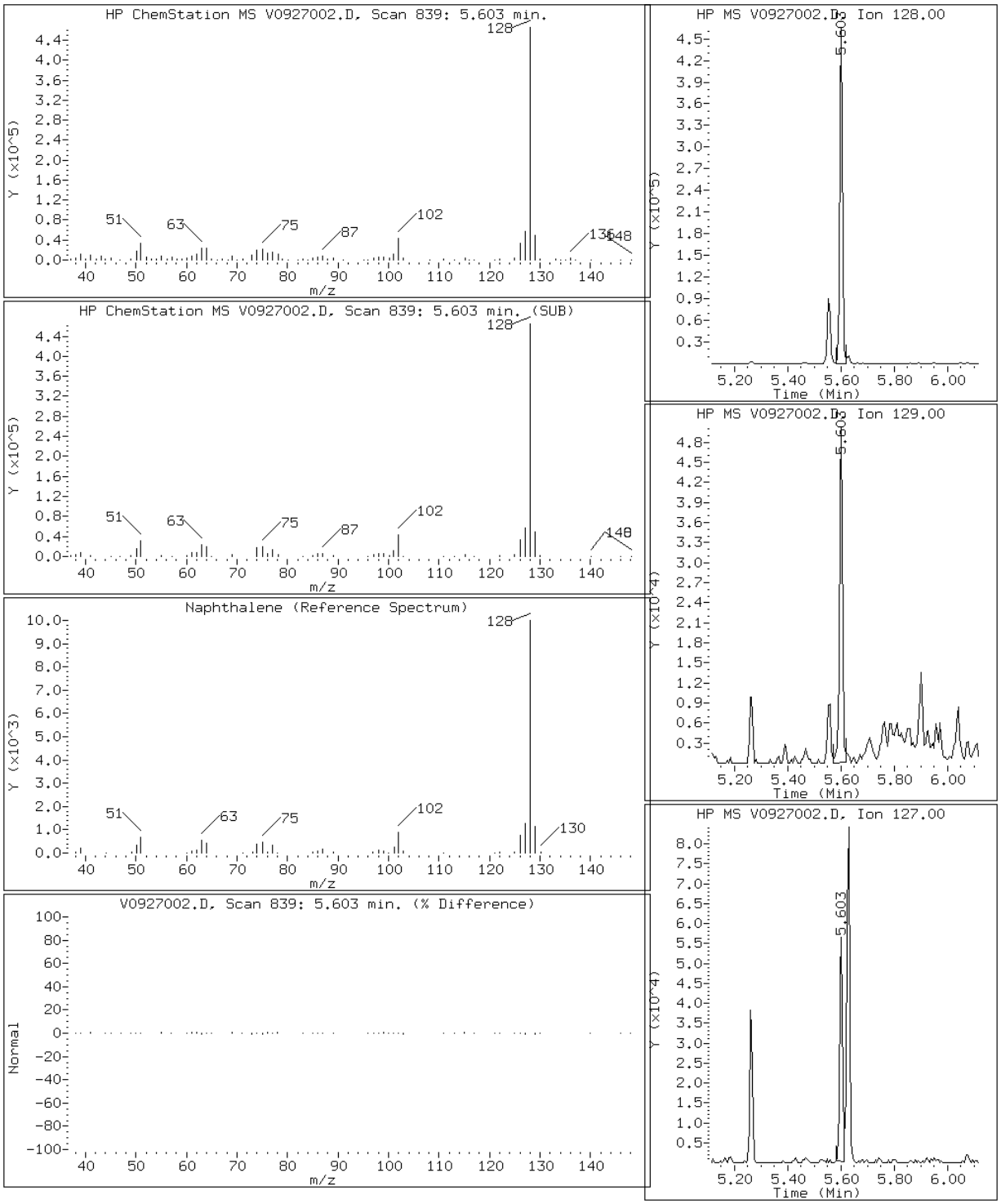
Data File: V0927002.D

Date: 27-SEP-2012 16:05

Client ID: MW-114 Instrument: 731.i

Sample Info: 180-14634-B-5-A,20 Operator: 003200

51 Naphthalene



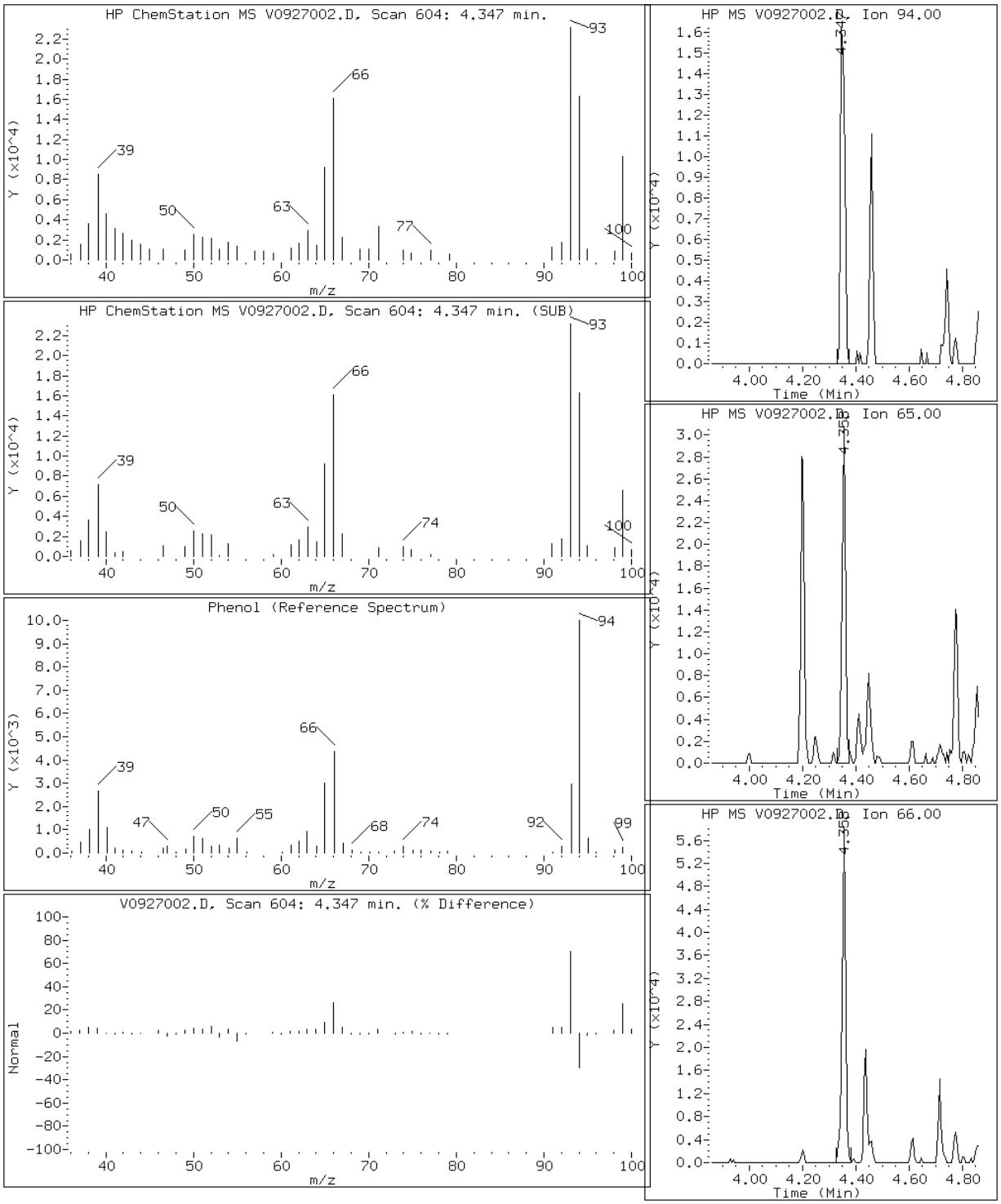
Data File: V0927002.D

Date: 27-SEP-2012 16:05

Client ID: MW-114 Instrument: 731.i

Sample Info: 180-14634-B-5-A,20 Operator: 003200

22 Phenol



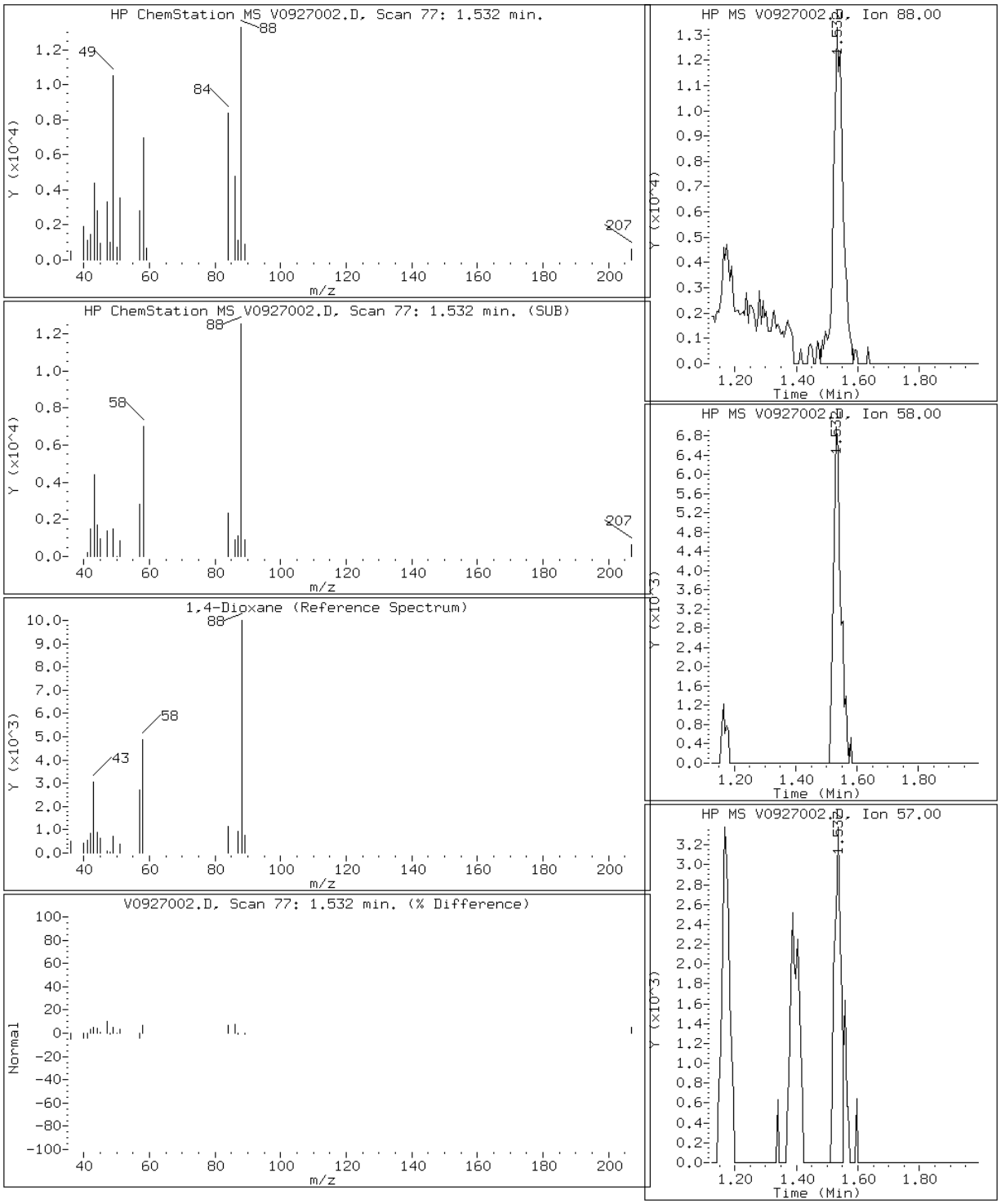
Data File: V0927002.D

Date: 27-SEP-2012 16:05

Client ID: MW-114 Instrument: 731.i

Sample Info: 180-14634-B-5-A,20 Operator: 003200

198 1,4-Dioxane



Manual Integration Report

Data File: V0927002.D
Inj. Date and Time: 27-SEP-2012 16:05
Instrument ID: 731.i
Client ID: MW-114
Compound: 155 2-Fluorobiphenyl
CAS #: 321-60-8
Report Date: 09/28/2012

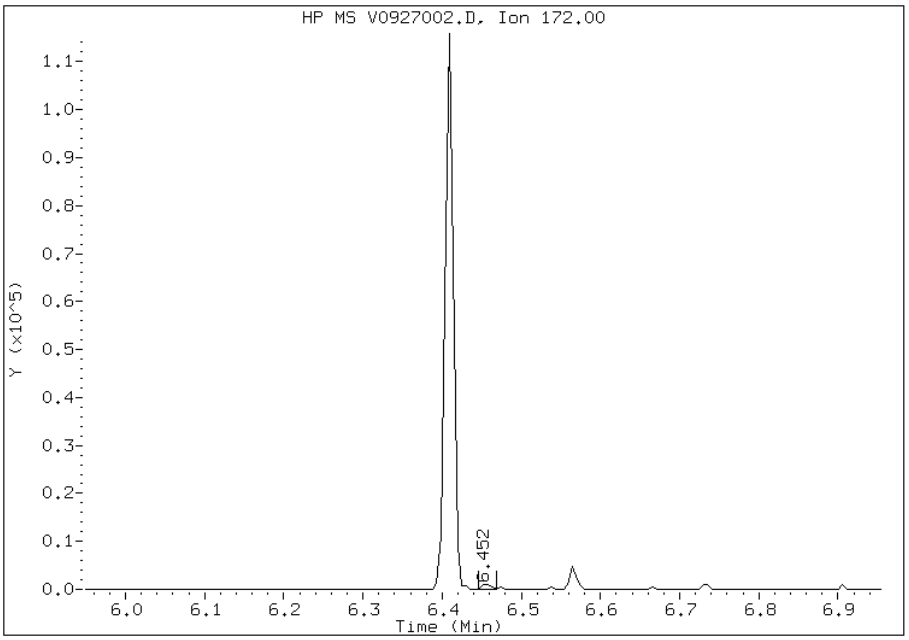
Processing Integration Results

RT: 6.45

Response: 851

Amount: 0

Conc: 0



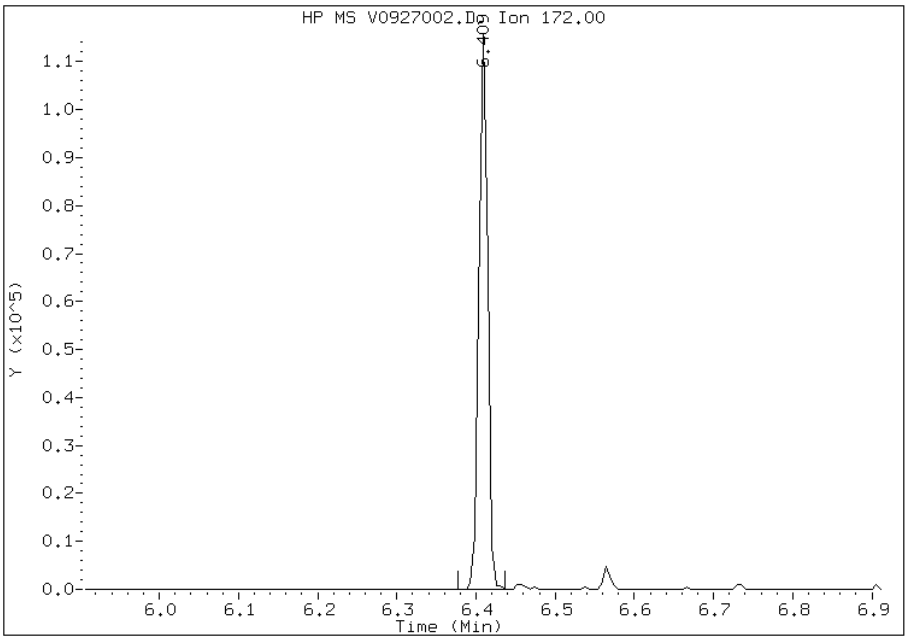
Manual Integration Results

RT: 6.41

Response: 85581

Amount: 1

Conc: 22



Manually Integrated By: piccolinov
Modification Date: 28-Sep-2012 05:01
Manual Integration Reason: Peak Not Found

Manual Integration Report

Data File: V0927002.D
Inj. Date and Time: 27-SEP-2012 16:05
Instrument ID: 731.i
Client ID: MW-114
Compound: 198 1,4-Dioxane
CAS #: 123-91-1
Report Date: 09/28/2012

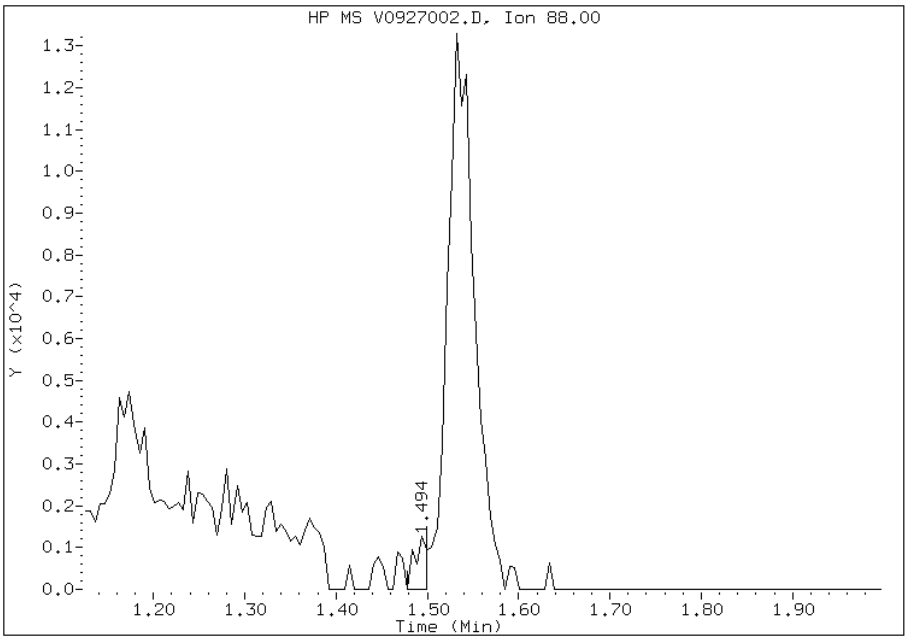
Processing Integration Results

RT: 1.49

Response: 1208

Amount: 0

Conc: 3



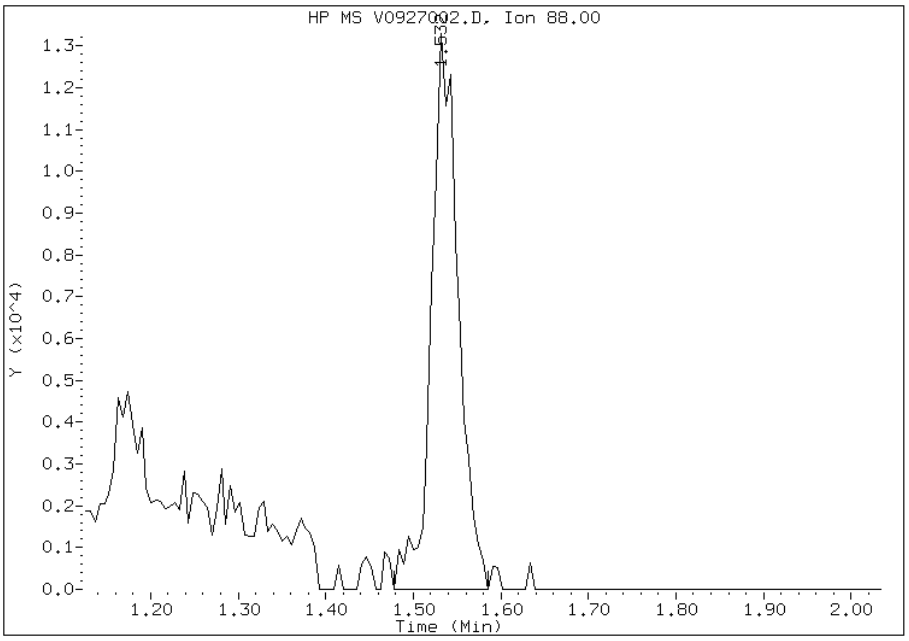
Manual Integration Results

RT: 1.53

Response: 28552

Amount: 4

Conc: 73



Manually Integrated By: piccolinov
Modification Date: 28-Sep-2012 04:59
Manual Integration Reason: Poor Chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1
SDG No.:
Client Sample ID: MW-101 | Lab Sample ID: 180-14634-6
Matrix: Water | Lab File ID: V0960021.D
Analysis Method: 8270C LL | Date Collected: 09/19/2012 08:20
Extract. Method: 3520C | Date Extracted: 09/25/2012 05:31
Sample wt/vol: 1040(mL) | Date Analyzed: 09/26/2012 21:21
Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1
Injection Volume: 2(uL) | Level: (low/med) Low
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 49849 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		0.19	0.014
208-96-8	Acenaphthylene	ND		0.19	0.015
98-86-2	Acetophenone	ND		0.96	0.077
120-12-7	Anthracene	ND		0.19	0.15
1912-24-9	Atrazine	ND		0.96	0.086
100-52-7	Benzaldehyde	ND		0.96	0.14
56-55-3	Benzo[a]anthracene	ND		0.19	0.014
205-99-2	Benzo[b]fluoranthene	ND		0.19	0.015
207-08-9	Benzo[k]fluoranthene	ND		0.19	0.053
191-24-2	Benzo[g,h,i]perylene	ND		0.19	0.015
50-32-8	Benzo[a]pyrene	ND		0.19	0.013
111-91-1	Bis(2-chloroethoxy)methane	ND		0.96	0.056
111-44-4	Bis(2-chloroethyl)ether	ND		0.19	0.024
117-81-7	Bis(2-ethylhexyl) phthalate	ND		1.9	1.2
85-68-7	Butyl benzyl phthalate	ND		0.96	0.14
92-52-4	1,1'-Biphenyl	ND		0.96	0.040
105-60-2	Caprolactam	ND		4.8	1.1
86-74-8	Carbazole	ND		0.19	0.015
218-01-9	Chrysene	ND		0.19	0.013
91-58-7	2-Chloronaphthalene	ND		0.19	0.015
95-57-8	2-Chlorophenol	ND		0.96	0.16
120-83-2	2,4-Dichlorophenol	ND		0.19	0.032
105-67-9	2,4-Dimethylphenol	ND		0.96	0.082
51-28-5	2,4-Dinitrophenol	ND		4.8	0.59
121-14-2	2,4-Dinitrotoluene	ND		0.96	0.052
606-20-2	2,6-Dinitrotoluene	ND		0.96	0.077
91-57-6	2-Methylnaphthalene	ND		0.19	0.012
95-48-7	2-Methylphenol	ND		0.96	0.083
88-74-4	2-Nitroaniline	ND		4.8	0.34
88-75-5	2-Nitrophenol	ND		0.96	0.16
108-60-1	2,2'-oxybis[1-chloropropane]	ND		0.19	0.019
95-95-4	2,4,5-Trichlorophenol	ND		0.96	0.15
88-06-2	2,4,6-Trichlorophenol	ND		0.96	0.17
100-01-6	4-Nitroaniline	ND		4.8	0.17

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-101 | Lab Sample ID: 180-14634-6

Matrix: Water | Lab File ID: V0960021.D

Analysis Method: 8270C LL | Date Collected: 09/19/2012 08:20

Extract. Method: 3520C | Date Extracted: 09/25/2012 05:31

Sample wt/vol: 1040(mL) | Date Analyzed: 09/26/2012 21:21

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49849 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	ND		4.8	0.62
7005-72-3	4-Chlorophenyl phenyl ether	ND		0.96	0.048
106-44-5	Methylphenol, 3 & 4	ND		0.96	0.087
534-52-1	4,6-Dinitro-2-methylphenol	ND		4.8	0.21
106-47-8	4-Chloroaniline	ND		0.96	0.085
59-50-7	4-Chloro-3-methylphenol	ND		0.96	0.073
101-55-3	4-Bromophenyl phenyl ether	ND		0.96	0.061
53-70-3	Dibenz(a,h)anthracene	ND		0.19	0.015
132-64-9	Dibenzofuran	ND		0.96	0.059
84-74-2	Di-n-butyl phthalate	ND		0.96	0.12
84-66-2	Diethyl phthalate	ND		0.96	0.14
131-11-3	Dimethyl phthalate	ND		0.96	0.074
117-84-0	Di-n-octyl phthalate	ND		0.96	0.20
91-94-1	3,3'-Dichlorobenzidine	ND		0.96	0.11
99-09-2	3-Nitroaniline	ND		4.8	0.31
206-44-0	Fluoranthene	ND		0.19	0.016
86-73-7	Fluorene	ND		0.19	0.021
118-74-1	Hexachlorobenzene	ND		0.19	0.018
87-68-3	Hexachlorobutadiene	ND		0.19	0.016
77-47-4	Hexachlorocyclopentadiene	ND		0.96	0.050
67-72-1	Hexachloroethane	ND		0.96	0.060
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.19	0.019
78-59-1	Isophorone	ND		0.96	0.062
91-20-3	Naphthalene	ND		0.19	0.013
98-95-3	Nitrobenzene	ND		1.9	0.081
86-30-6	N-Nitrosodiphenylamine	ND		0.96	0.082
621-64-7	N-Nitrosodi-n-propylamine	ND		0.19	0.030
129-00-0	Pyrene	ND		0.19	0.015
108-95-2	Phenol	ND		0.19	0.056
85-01-8	Phenanthrene	ND		0.19	0.041
87-86-5	Pentachlorophenol	ND		0.96	0.064
123-91-1	1,4-Dioxane	ND		1.9	0.14

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-101 | Lab Sample ID: 180-14634-6

Matrix: Water | Lab File ID: V0960021.D

Analysis Method: 8270C LL | Date Collected: 09/19/2012 08:20

Extract. Method: 3520C | Date Extracted: 09/25/2012 05:31

Sample wt/vol: 1040(mL) | Date Analyzed: 09/26/2012 21:21

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49849 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	51		16-122
321-60-8	2-Fluorobiphenyl	56		19-107
367-12-4	2-Fluorophenol	57		10-111
4165-60-0	Nitrobenzene-d5	61		23-112
4165-62-2	Phenol-d5	63		15-112
1718-51-0	Terphenyl-d14	88		10-132

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV092612.b\V0960021.D
Lab Smp Id: 180-14634-B-6-A Client Smp ID: MW-101
Inj Date : 26-SEP-2012 21:21
Operator : 003200 Inst ID: 731.i
Smp Info : 180-14634-B-6-A
Misc Info : 180-14634-B-6-A
Comment :
Method : \\PITSVR06\D\chem\731.i\TV092612.b\T8270ll.m
Meth Date : 26-Sep-2012 13:25 piccolinov Quant Type: ISTD
Cal Date : 12-SEP-2012 13:48 Cal File: V0912IC8.D
Als bottle: 23
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: padepi.sub
Target Version: 4.14
Processing Host: PITPC-502

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 1 1,4-Dichlorobenzene-d4	152	4.562	4.580	(1.000)	193120	8.00000	
* 2 Naphthalene-d8	136	5.534	5.552	(1.000)	739100	8.00000	
* 3 Acenaphthene-d10	164	6.880	6.899	(1.000)	428237	8.00000	
* 4 Phenanthrene-d10	188	8.024	8.042	(1.000)	696010	8.00000	
* 5 Chrysene-d12	240	10.080	10.093	(1.000)	522316	8.00000	
* 6 Perylene-d12	264	11.491	11.514	(1.000)	536914	8.00000	
198 1,4-Dioxane	88	Compound Not Detected.					
10 N-Nitrosodimethylamine	74	Compound Not Detected.					
9 Pyridine	79	Compound Not Detected.					
16 Methyl methanesulfonate	80	Compound Not Detected.					
206 Benzaldehyde	77	Compound Not Detected.					
21 Aniline	93	Compound Not Detected.					
22 Phenol	94	Compound Not Detected.					
23 bis(2-Chloroethyl)ether	93	Compound Not Detected.					
24 2-Chlorophenol	128	Compound Not Detected.					
26 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					
28 1,2-Dichlorobenzene	146	Compound Not Detected.					
217 Indene	116	Compound Not Detected.					
29 Benzyl Alcohol	108	Compound Not Detected.					
30 2-Methylphenol	108	Compound Not Detected.					
31 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
37 Acetophenone	105	Compound Not Detected.					
32 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192 4-Methylphenol	108	Compound Not Detected.					
34 Hexachloroethane	117	Compound Not Detected.					
35 Nitrobenzene	77	Compound Not Detected.					
36 N-Nitrosopyrrolidine	100	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
41 Isophorone	82	Compound Not Detected.					
42 2-Nitrophenol	139	Compound Not Detected.					
43 2,4-Dimethylphenol	107	Compound Not Detected.					
44 bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
48 2,4-Dichlorophenol	162	Compound Not Detected.					
49 Benzoic Acid	122	5.310	5.349	(0.959)	1259	0.06818	0.068182
50 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51 Naphthalene	128	Compound Not Detected.					
52 4-Chloroaniline	127	Compound Not Detected.					
54 2,6-Dichlorophenol	162	Compound Not Detected.					
56 Hexachlorobutadiene	224	Compound Not Detected.					
208 Caprolactam	113	Compound Not Detected.					
59 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
62 2-Methylnaphthalene	142	Compound Not Detected.					
63 1-Methylnaphthalene	142	Compound Not Detected.					
64 Hexachlorocyclopentadiene	236	Compound Not Detected.					
65 1,2,4,5-Tetrachlorobenzene	215	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	Compound Not Detected.					
67 2,4,5-Trichlorophenol	196	Compound Not Detected.					
209 1,1'-Biphenyl	154	Compound Not Detected.					
70 2-Chloronaphthalene	162	Compound Not Detected.					
73 2-Nitroaniline	65	Compound Not Detected.					
76 Dimethylphthalate	163	Compound Not Detected.					
78 2,6-Dinitrotoluene	165	Compound Not Detected.					
79 Acenaphthylene	152	Compound Not Detected.					
81 3-Nitroaniline	138	Compound Not Detected.					
82 Acenaphthene	153	Compound Not Detected.					
83 2,4-Dinitrophenol	184	Compound Not Detected.					
85 4-Nitrophenol	109	Compound Not Detected.					
86 Dibenzofuran	168	Compound Not Detected.					
87 2,4-Dinitrotoluene	165	Compound Not Detected.					
91 2,3,5,6-Tetrachlorophenol	231	Compound Not Detected.					
88 2,3,4,6-Tetrachlorophenol	231	Compound Not Detected.					
92 2-Naphthylamine	143	Compound Not Detected.					
93 Diethylphthalate	149	7.196	7.219	(1.046)	5538	0.08278	0.082781
94 Fluorene	166	Compound Not Detected.					
95 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96 4-Nitroaniline	138	Compound Not Detected.					
98 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99 N-Nitrosodiphenylamine (1)	169	Compound Not Detected.					
100 1,2-Diphenylhydrazine	77	Compound Not Detected.					
106 4-Bromophenyl-phenylether	248	Compound Not Detected.					
107 Hexachlorobenzene	283	Compound Not Detected.					
210 Atrazine	200	Compound Not Detected.					
111 Pentachlorophenol	265	Compound Not Detected.					
115 Phenanthrene	178	Compound Not Detected.					
116 Anthracene	178	Compound Not Detected.					
119 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	Compound Not Detected.					
123 Fluoranthene	202	Compound Not Detected.					
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	Compound Not Detected.					
131 Butylbenzylphthalate	149	9.605	9.618	(0.953)	4172	0.11650	0.11650
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					

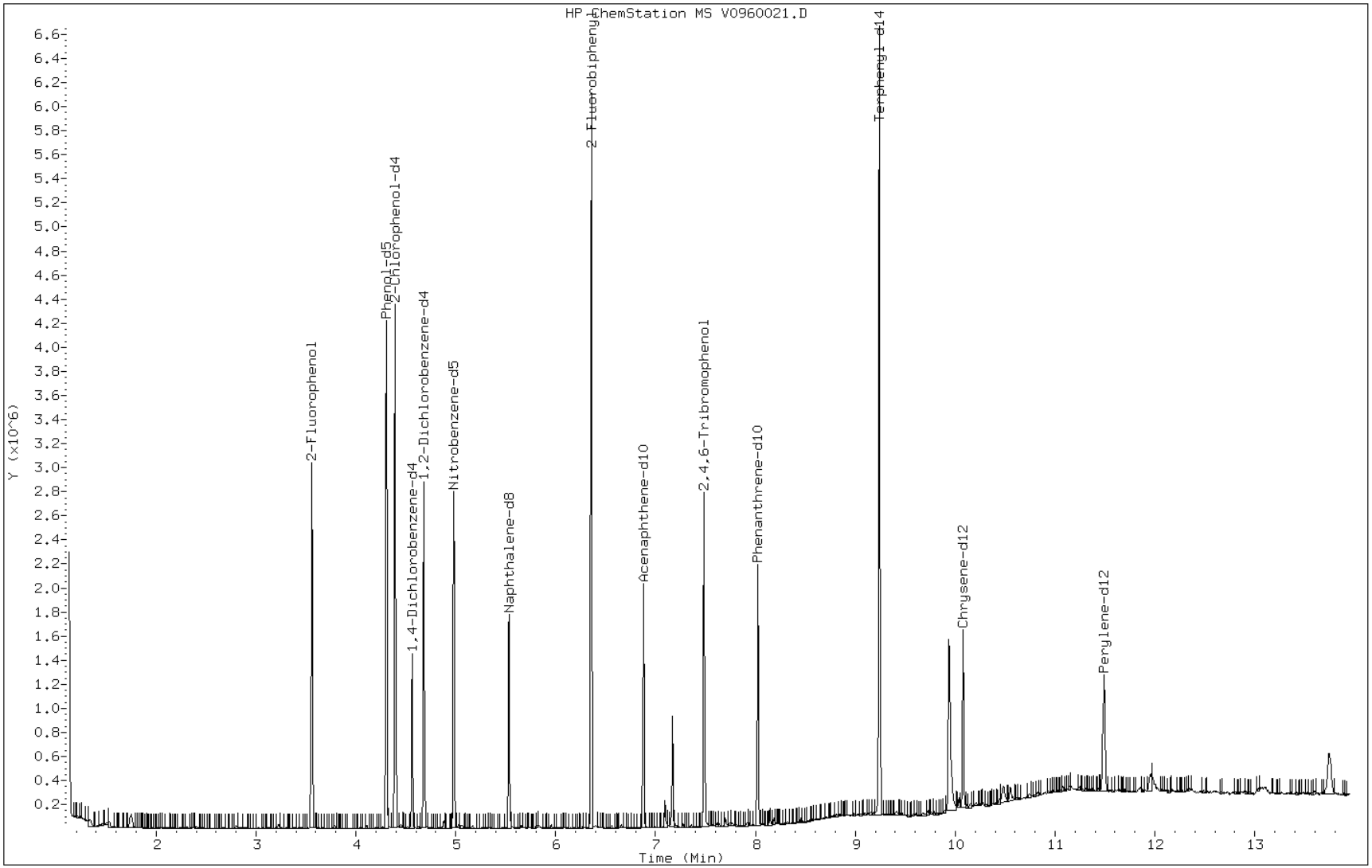
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
136 Benzo(a)Anthracene	228	Compound Not Detected.					
137 Chrysene	228	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	10.038	10.050	(0.996)	21559	0.42500	0.42500
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	Compound Not Detected.					
142 Benzo(k)fluoranthene	252	Compound Not Detected.					
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
146 Benzo(a)pyrene	252	Compound Not Detected.					
149 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
150 Dibenz(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 154 Nitrobenzene-d5	82	4.979	4.997	(0.900)	695941	24.5983	24.598
$ 155 2-Fluorobiphenyl	172	6.357	6.375	(0.924)	1582053	22.3410	22.341
$ 156 Terphenyl-d14	244	9.242	9.260	(0.917)	1768475	35.3142	35.314
$ 157 Phenol-d5	99	4.306	4.313	(0.944)	1192508	37.6618	37.662
$ 158 2-Fluorophenol	112	3.558	3.565	(0.780)	875580	33.9588	33.959
$ 159 2,4,6-Tribromophenol	330	7.489	7.508	(0.933)	249314	30.8435	30.843
$ 186 2-Chlorophenol-d4	132	4.391	4.404	(0.963)	1170327	35.7403	35.740
$ 187 1,2-Dichlorobenzene-d4	152	4.679	4.698	(1.026)	411748	17.6002	17.600

Data File: V0960021.D

Date: 26-SEP-2012 21:21

Client ID: MW-101 Instrument: 731.i

Sample Info: 180-14634-B-6-A Operator: 003200



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-102 | Lab Sample ID: 180-14634-7

Matrix: Water | Lab File ID: V0960022.D

Analysis Method: 8270C LL | Date Collected: 09/19/2012 10:45

Extract. Method: 3520C | Date Extracted: 09/25/2012 05:31

Sample wt/vol: 1000(mL) | Date Analyzed: 09/26/2012 21:44

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49849 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		0.20	0.014
208-96-8	Acenaphthylene	ND		0.20	0.015
98-86-2	Acetophenone	ND		1.0	0.080
120-12-7	Anthracene	ND		0.20	0.15
1912-24-9	Atrazine	ND		1.0	0.089
100-52-7	Benzaldehyde	ND		1.0	0.15
56-55-3	Benzo[a]anthracene	ND		0.20	0.015
205-99-2	Benzo[b]fluoranthene	ND		0.20	0.016
207-08-9	Benzo[k]fluoranthene	ND		0.20	0.055
191-24-2	Benzo[g,h,i]perylene	ND		0.20	0.015
50-32-8	Benzo[a]pyrene	ND		0.20	0.013
111-91-1	Bis(2-chloroethoxy)methane	ND		1.0	0.058
111-44-4	Bis(2-chloroethyl)ether	ND		0.20	0.025
117-81-7	Bis(2-ethylhexyl) phthalate	ND		2.0	1.3
85-68-7	Butyl benzyl phthalate	0.17	J	1.0	0.14
92-52-4	1,1'-Biphenyl	ND		1.0	0.042
105-60-2	Caprolactam	ND		5.0	1.2
86-74-8	Carbazole	ND		0.20	0.016
218-01-9	Chrysene	ND		0.20	0.014
91-58-7	2-Chloronaphthalene	ND		0.20	0.015
95-57-8	2-Chlorophenol	ND		1.0	0.17
120-83-2	2,4-Dichlorophenol	ND		0.20	0.033
105-67-9	2,4-Dimethylphenol	ND		1.0	0.085
51-28-5	2,4-Dinitrophenol	ND		5.0	0.61
121-14-2	2,4-Dinitrotoluene	ND		1.0	0.054
606-20-2	2,6-Dinitrotoluene	ND		1.0	0.080
91-57-6	2-Methylnaphthalene	ND		0.20	0.012
95-48-7	2-Methylphenol	ND		1.0	0.086
88-74-4	2-Nitroaniline	ND		5.0	0.35
88-75-5	2-Nitrophenol	ND		1.0	0.17
108-60-1	2,2'-oxybis[1-chloropropane]	ND		0.20	0.020
95-95-4	2,4,5-Trichlorophenol	ND		1.0	0.15
88-06-2	2,4,6-Trichlorophenol	ND		1.0	0.17
100-01-6	4-Nitroaniline	ND		5.0	0.17

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-102 | Lab Sample ID: 180-14634-7

Matrix: Water | Lab File ID: V0960022.D

Analysis Method: 8270C LL | Date Collected: 09/19/2012 10:45

Extract. Method: 3520C | Date Extracted: 09/25/2012 05:31

Sample wt/vol: 1000(mL) | Date Analyzed: 09/26/2012 21:44

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49849 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	ND		5.0	0.65
7005-72-3	4-Chlorophenyl phenyl ether	ND		1.0	0.050
106-44-5	Methylphenol, 3 & 4	ND		1.0	0.090
534-52-1	4,6-Dinitro-2-methylphenol	ND		5.0	0.22
106-47-8	4-Chloroaniline	ND		1.0	0.089
59-50-7	4-Chloro-3-methylphenol	ND		1.0	0.075
101-55-3	4-Bromophenyl phenyl ether	ND		1.0	0.064
53-70-3	Dibenz(a,h)anthracene	ND		0.20	0.016
132-64-9	Dibenzofuran	ND		1.0	0.062
84-74-2	Di-n-butyl phthalate	ND		1.0	0.12
84-66-2	Diethyl phthalate	ND		1.0	0.15
131-11-3	Dimethyl phthalate	ND		1.0	0.077
117-84-0	Di-n-octyl phthalate	ND		1.0	0.21
91-94-1	3,3'-Dichlorobenzidine	ND		1.0	0.11
99-09-2	3-Nitroaniline	ND		5.0	0.32
206-44-0	Fluoranthene	ND		0.20	0.016
86-73-7	Fluorene	ND		0.20	0.022
118-74-1	Hexachlorobenzene	ND		0.20	0.018
87-68-3	Hexachlorobutadiene	0.22		0.20	0.017
77-47-4	Hexachlorocyclopentadiene	ND		1.0	0.052
67-72-1	Hexachloroethane	ND		1.0	0.063
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.20	0.020
78-59-1	Isophorone	ND		1.0	0.064
91-20-3	Naphthalene	ND		0.20	0.014
98-95-3	Nitrobenzene	ND		2.0	0.084
86-30-6	N-Nitrosodiphenylamine	ND		1.0	0.085
621-64-7	N-Nitrosodi-n-propylamine	ND		0.20	0.031
129-00-0	Pyrene	ND		0.20	0.016
108-95-2	Phenol	ND		0.20	0.058
85-01-8	Phenanthrene	0.052	J	0.20	0.043
87-86-5	Pentachlorophenol	ND		1.0	0.066
123-91-1	1,4-Dioxane	0.92	J	2.0	0.14

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-102 | Lab Sample ID: 180-14634-7

Matrix: Water | Lab File ID: V0960022.D

Analysis Method: 8270C LL | Date Collected: 09/19/2012 10:45

Extract. Method: 3520C | Date Extracted: 09/25/2012 05:31

Sample wt/vol: 1000(mL) | Date Analyzed: 09/26/2012 21:44

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49849 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	64		16-122
321-60-8	2-Fluorobiphenyl	61		19-107
367-12-4	2-Fluorophenol	55		10-111
4165-60-0	Nitrobenzene-d5	67		23-112
4165-62-2	Phenol-d5	56		15-112
1718-51-0	Terphenyl-d14	97		10-132

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV092612.b\V0960022.D
Lab Smp Id: 180-14634-B-7-A Client Smp ID: MW-102
Inj Date : 26-SEP-2012 21:44
Operator : 003200 Inst ID: 731.i
Smp Info : 180-14634-B-7-A
Misc Info : 180-14634-B-7-A
Comment :
Method : \\PITSVR06\D\chem\731.i\TV092612.b\T8270ll.m
Meth Date : 26-Sep-2012 13:25 piccolinov Quant Type: ISTD
Cal Date : 12-SEP-2012 13:48 Cal File: V0912IC8.D
Als bottle: 24
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: padepi.sub
Target Version: 4.14
Processing Host: PITPC-502

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 1 1,4-Dichlorobenzene-d4	152	4.564	4.580	(1.000)	183962	8.00000	
* 2 Naphthalene-d8	136	5.531	5.552	(1.000)	694515	8.00000	
* 3 Acenaphthene-d10	164	6.878	6.899	(1.000)	389346	8.00000	
* 4 Phenanthrene-d10	188	8.026	8.042	(1.000)	622056	8.00000	
* 5 Chrysene-d12	240	10.078	10.093	(1.000)	462236	8.00000	
* 6 Perylene-d12	264	11.488	11.514	(1.000)	505373	8.00000	
198 1,4-Dioxane	88	1.466	1.466	(0.321)	13296	1.84326	1.8433(M)
10 N-Nitrosodimethylamine	74	Compound Not Detected.					
9 Pyridine	79	Compound Not Detected.					
16 Methyl methanesulfonate	80	Compound Not Detected.					
206 Benzaldehyde	77	4.223	4.233	(0.925)	2154	0.15104	0.15104
21 Aniline	93	Compound Not Detected.					
22 Phenol	94	Compound Not Detected.					
23 bis(2-Chloroethyl)ether	93	Compound Not Detected.					
24 2-Chlorophenol	128	Compound Not Detected.					
26 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					
28 1,2-Dichlorobenzene	146	Compound Not Detected.					
217 Indene	116	Compound Not Detected.					
29 Benzyl Alcohol	108	Compound Not Detected.					
30 2-Methylphenol	108	Compound Not Detected.					
31 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
37 Acetophenone	105	Compound Not Detected.					
32 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192 4-Methylphenol	108	Compound Not Detected.					
34 Hexachloroethane	117	Compound Not Detected.					
35 Nitrobenzene	77	Compound Not Detected.					
36 N-Nitrosopyrrolidine	100	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
41 Isophorone	82	Compound Not Detected.					
42 2-Nitrophenol	139	Compound Not Detected.					
43 2,4-Dimethylphenol	107	Compound Not Detected.					
44 bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
48 2,4-Dichlorophenol	162	Compound Not Detected.					
49 Benzoic Acid	122	5.344	5.349	(0.966)	66480	3.83137	3.8314
50 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51 Naphthalene	128	Compound Not Detected.					
52 4-Chloroaniline	127	Compound Not Detected.					
54 2,6-Dichlorophenol	162	Compound Not Detected.					
56 Hexachlorobutadiene	225	5.654	5.670	(1.022)	7796	0.43780	0.43780
208 Caprolactam	113	Compound Not Detected.					
59 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
62 2-Methylnaphthalene	142	Compound Not Detected.					
63 1-Methylnaphthalene	142	Compound Not Detected.					
64 Hexachlorocyclopentadiene	236	Compound Not Detected.					
65 1,2,4,5-Tetrachlorobenzene	215	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	Compound Not Detected.					
67 2,4,5-Trichlorophenol	196	Compound Not Detected.					
209 1,1'-Biphenyl	154	Compound Not Detected.					
70 2-Chloronaphthalene	162	Compound Not Detected.					
73 2-Nitroaniline	65	Compound Not Detected.					
76 Dimethylphthalate	163	Compound Not Detected.					
78 2,6-Dinitrotoluene	165	Compound Not Detected.					
79 Acenaphthylene	152	Compound Not Detected.					
81 3-Nitroaniline	138	Compound Not Detected.					
82 Acenaphthene	153	Compound Not Detected.					
83 2,4-Dinitrophenol	184	Compound Not Detected.					
85 4-Nitrophenol	109	Compound Not Detected.					
86 Dibenzofuran	168	Compound Not Detected.					
87 2,4-Dinitrotoluene	165	Compound Not Detected.					
91 2,3,5,6-Tetrachlorophenol	231	Compound Not Detected.					
88 2,3,4,6-Tetrachlorophenol	231	Compound Not Detected.					
92 2-Naphthylamine	143	Compound Not Detected.					
93 Diethylphthalate	149	7.198	7.219	(1.047)	12384	0.20360	0.20360
94 Fluorene	166	Compound Not Detected.					
95 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96 4-Nitroaniline	138	Compound Not Detected.					
98 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99 N-Nitrosodiphenylamine (1)	169	Compound Not Detected.					
100 1,2-Diphenylhydrazine	77	Compound Not Detected.					
106 4-Bromophenyl-phenylether	248	Compound Not Detected.					
107 Hexachlorobenzene	283	Compound Not Detected.					
210 Atrazine	200	Compound Not Detected.					
111 Pentachlorophenol	265	Compound Not Detected.					
115 Phenanthrene	178	8.042	8.063	(1.002)	9504	0.10480	0.10480
116 Anthracene	178	Compound Not Detected.					
119 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	8.448	8.469	(1.053)	7358	0.07476	0.074758
123 Fluoranthene	202	8.961	8.982	(1.116)	2071	0.02194	0.021941
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	Compound Not Detected.					
131 Butylbenzylphthalate	149	9.602	9.618	(0.953)	10827	0.34162	0.34162
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
136 Benzo(a)Anthracene	228	Compound Not Detected.					
137 Chrysene	228	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	10.035	10.050	(0.996)	37835	0.84279	0.84279
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	Compound Not Detected.					
142 Benzo(k)fluoranthene	252	Compound Not Detected.					
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
146 Benzo(a)pyrene	252	Compound Not Detected.					
149 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
150 Dibenz(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 154 Nitrobenzene-d5	82	4.981	4.997	(0.901)	713188	26.8261	26.826
$ 155 2-Fluorobiphenyl	172	6.359	6.375	(0.925)	1578933	24.5242	24.524
$ 156 Terphenyl-d14	244	9.244	9.260	(0.917)	1720456	38.8207	38.821
$ 157 Phenol-d5	99	4.324	4.313	(0.947)	1005795	33.3463	33.346
$ 158 2-Fluorophenol	112	3.576	3.565	(0.784)	813453	33.1198	33.120
$ 159 2,4,6-Tribromophenol	330	7.487	7.508	(0.933)	276630	38.2915	38.291
$ 186 2-Chlorophenol-d4	132	4.399	4.404	(0.964)	1111477	35.6328	35.633
$ 187 1,2-Dichlorobenzene-d4	152	4.682	4.698	(1.026)	443405	19.8969	19.897

QC Flag Legend

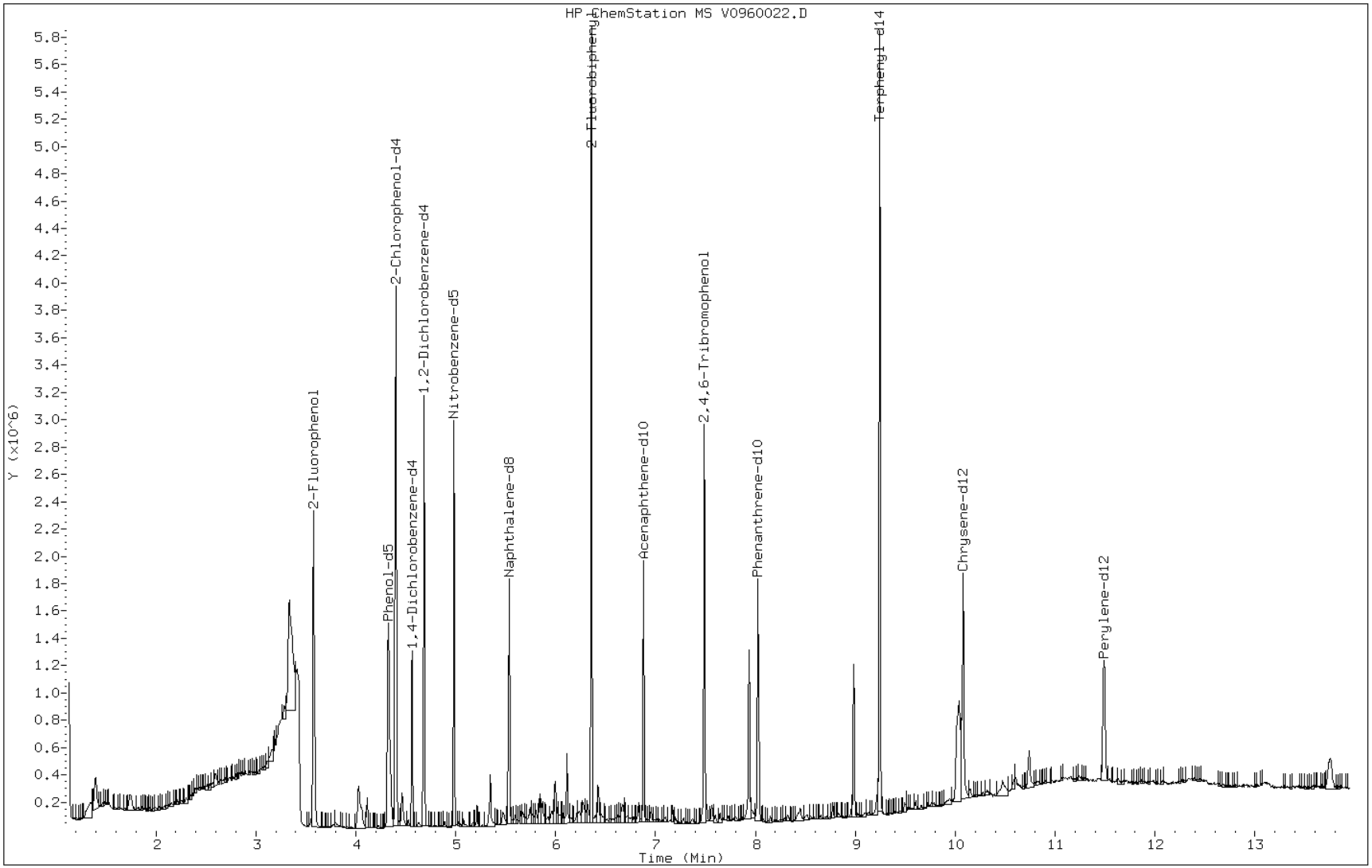
M - Compound response manually integrated.

Data File: V0960022.D

Date: 26-SEP-2012 21:44

Client ID: MW-102 Instrument: 731.i

Sample Info: 180-14634-B-7-A Operator: 003200



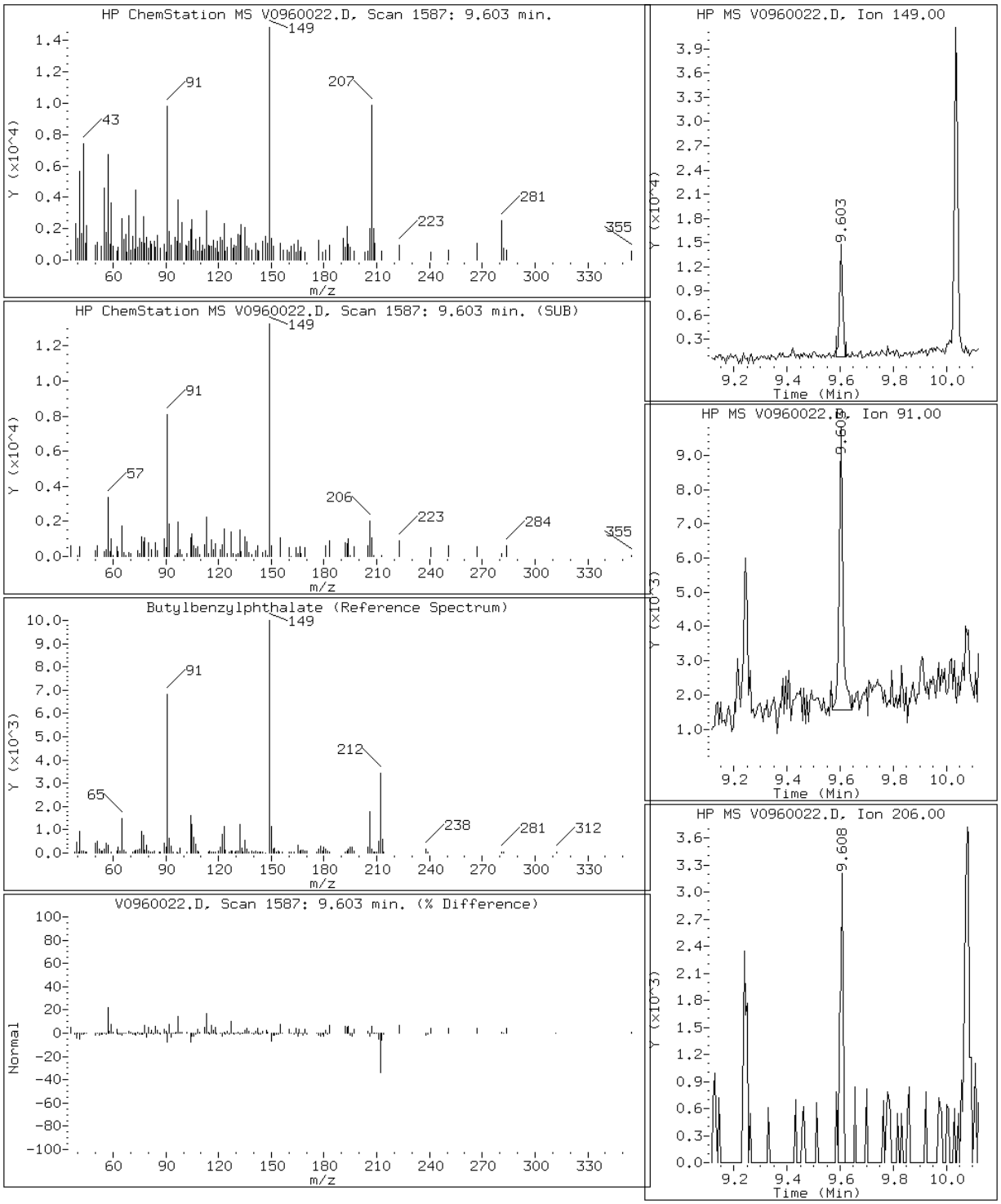
Data File: V0960022.D

Date: 26-SEP-2012 21:44

Client ID: MW-102 Instrument: 731.i

Sample Info: 180-14634-B-7-A Operator: 003200

131 Butylbenzylphthalate



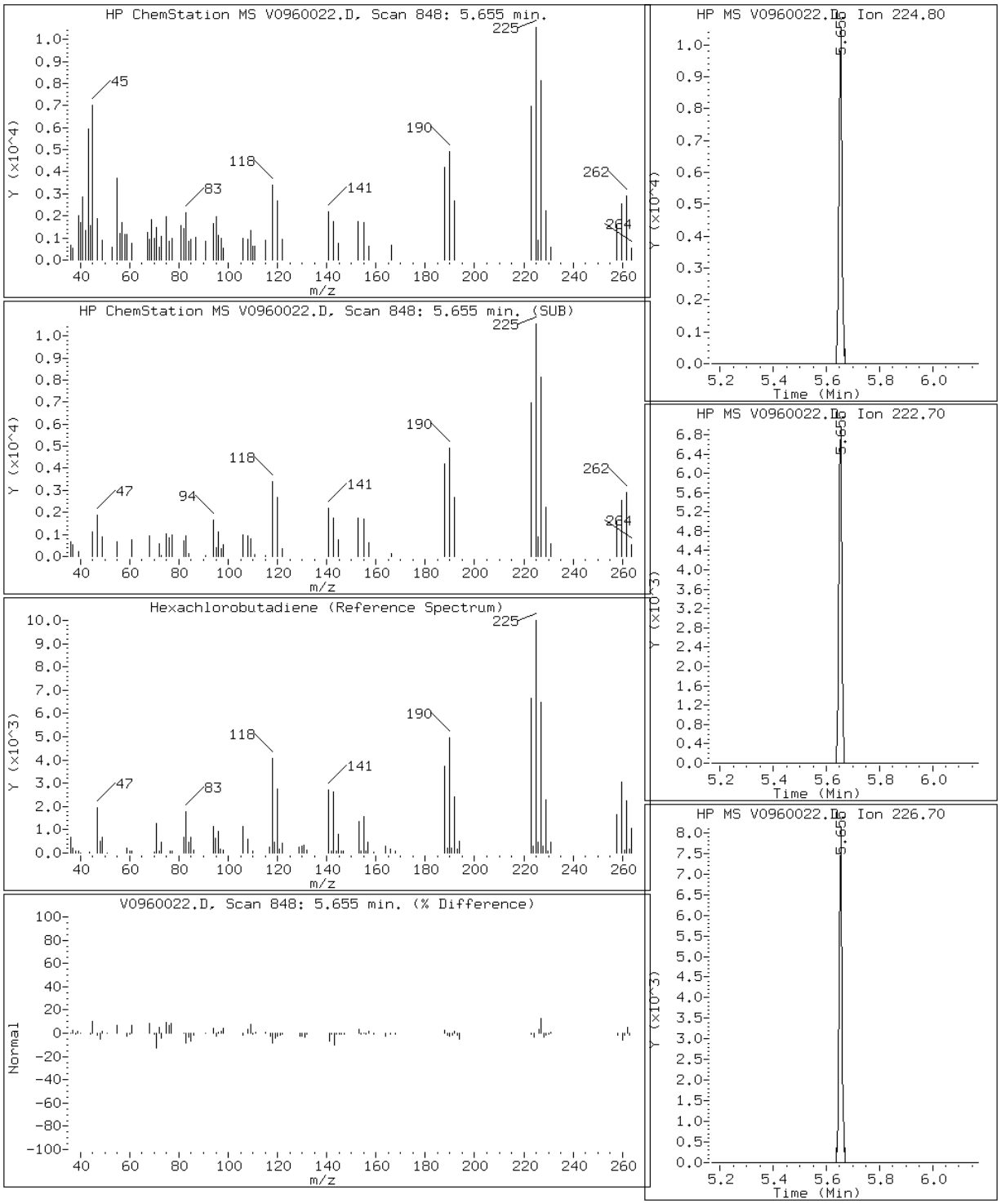
Data File: V0960022.D

Date: 26-SEP-2012 21:44

Client ID: MW-102 Instrument: 731.i

Sample Info: 180-14634-B-7-A Operator: 003200

56 Hexachlorobutadiene



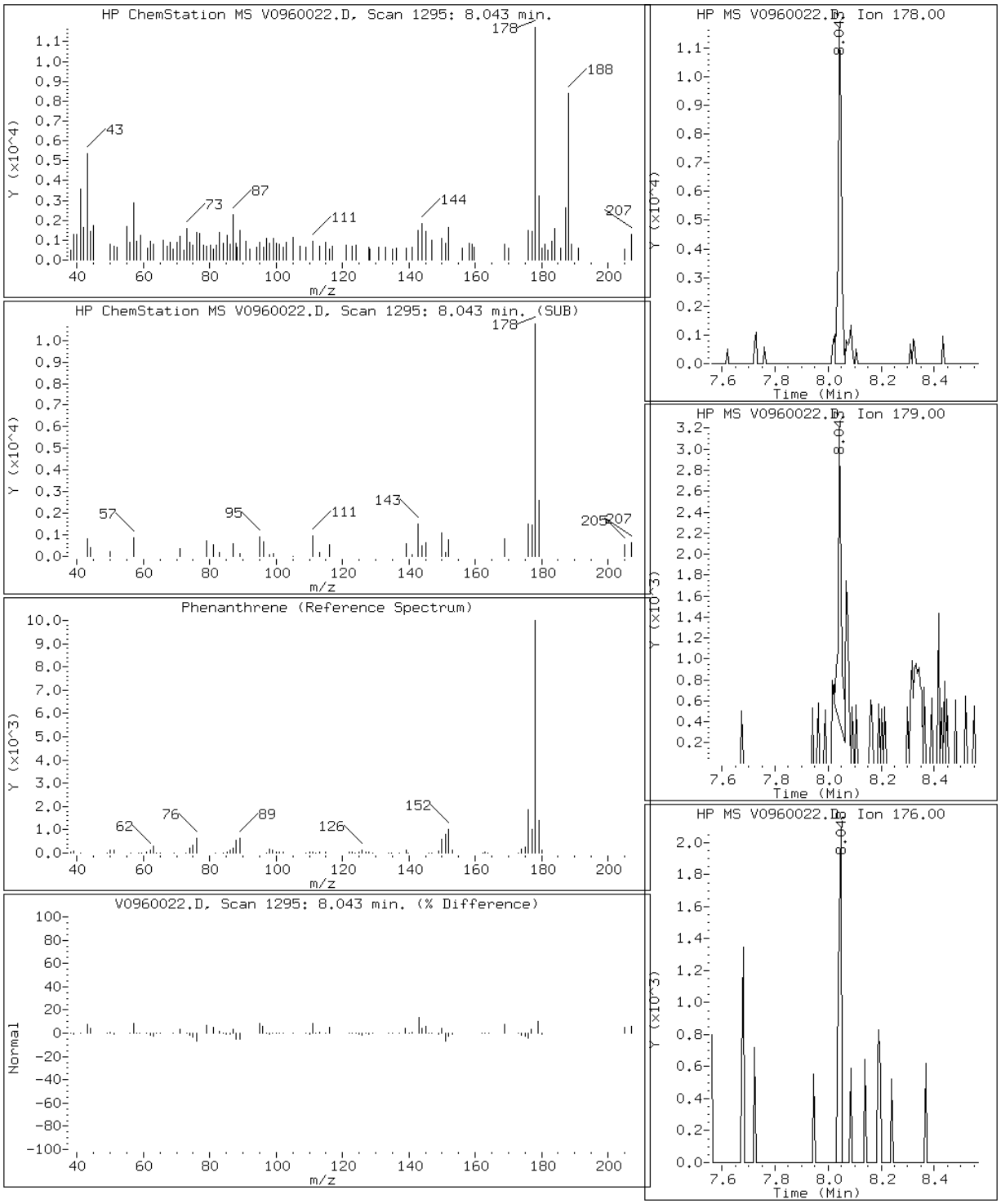
Data File: V0960022.D

Date: 26-SEP-2012 21:44

Client ID: MW-102 Instrument: 731.i

Sample Info: 180-14634-B-7-A Operator: 003200

115 Phenanthrene



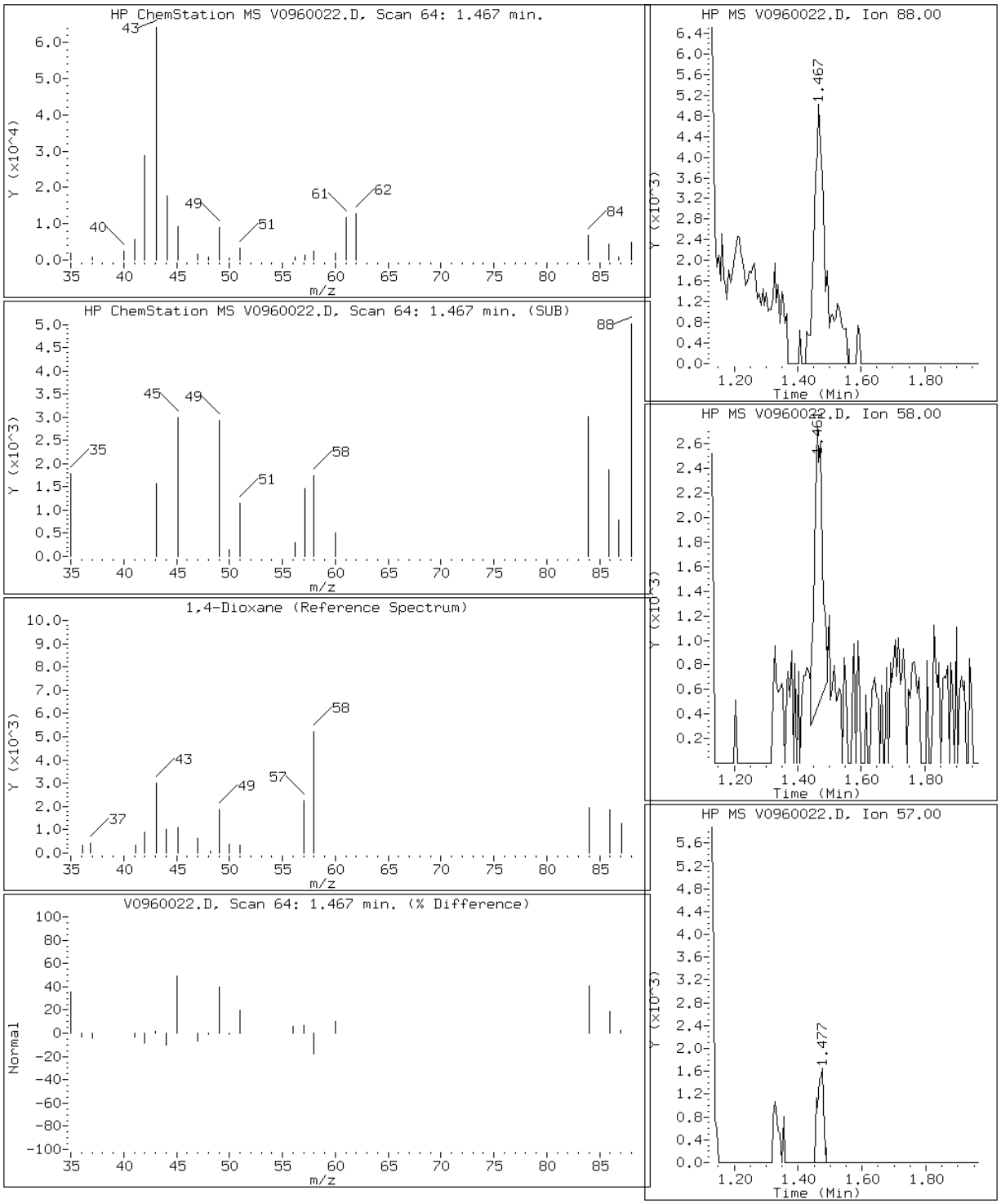
Data File: V0960022.D

Date: 26-SEP-2012 21:44

Client ID: MW-102 Instrument: 731.i

Sample Info: 180-14634-B-7-A Operator: 003200

198 1,4-Dioxane



Manual Integration Report

Data File: V0960022.D
Inj. Date and Time: 26-SEP-2012 21:44
Instrument ID: 731.i
Client ID: MW-102
Compound: 198 1,4-Dioxane
CAS #: 123-91-1
Report Date: 09/27/2012

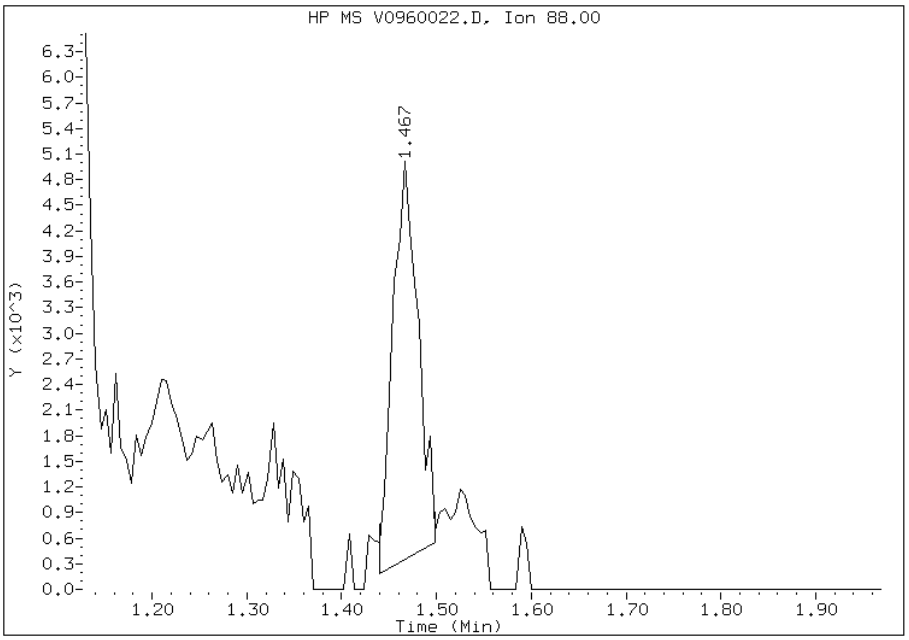
Processing Integration Results

RT: 1.47

Response: 8687

Amount: 1

Conc: 1



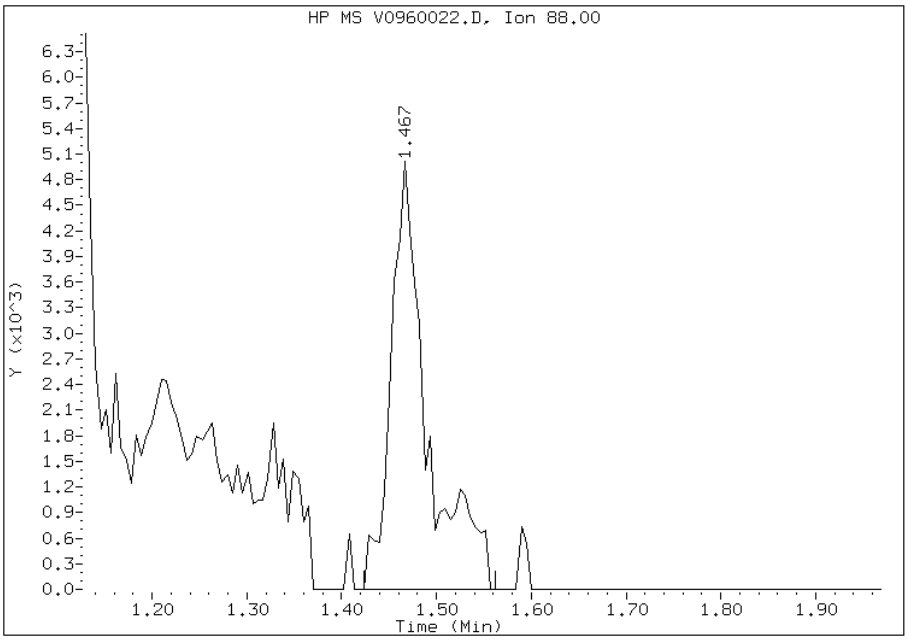
Manual Integration Results

RT: 1.47

Response: 13296

Amount: 2

Conc: 2



Manually Integrated By: piccolinov
Modification Date: 27-Sep-2012 06:12
Manual Integration Reason: Poor Chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-106 | Lab Sample ID: 180-14634-8

Matrix: Water | Lab File ID: V0927003.D

Analysis Method: 8270C LL | Date Collected: 09/19/2012 12:25

Extract. Method: 3520C | Date Extracted: 09/25/2012 05:31

Sample wt/vol: 1030(mL) | Date Analyzed: 09/27/2012 16:30

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 5

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 50044 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		0.97	0.070
208-96-8	Acenaphthylene	ND		0.97	0.074
98-86-2	Acetophenone	ND		4.9	0.39
120-12-7	Anthracene	ND		0.97	0.73
1912-24-9	Atrazine	ND		4.9	0.43
100-52-7	Benzaldehyde	ND		4.9	0.73
56-55-3	Benzo[a]anthracene	ND		0.97	0.071
205-99-2	Benzo[b]fluoranthene	ND		0.97	0.076
207-08-9	Benzo[k]fluoranthene	ND		0.97	0.27
191-24-2	Benzo[g,h,i]perylene	ND		0.97	0.073
50-32-8	Benzo[a]pyrene	ND		0.97	0.065
111-91-1	Bis(2-chloroethoxy)methane	ND		4.9	0.28
111-44-4	Bis(2-chloroethyl)ether	3.8		0.97	0.12
117-81-7	Bis(2-ethylhexyl) phthalate	ND		9.7	6.1
85-68-7	Butyl benzyl phthalate	ND		4.9	0.69
92-52-4	1,1'-Biphenyl	ND		4.9	0.20
105-60-2	Caprolactam	ND		24	5.8
86-74-8	Carbazole	ND		0.97	0.077
218-01-9	Chrysene	ND		0.97	0.068
91-58-7	2-Chloronaphthalene	ND		0.97	0.073
95-57-8	2-Chlorophenol	3.6	J	4.9	0.80
120-83-2	2,4-Dichlorophenol	ND		0.97	0.16
105-67-9	2,4-Dimethylphenol	ND		4.9	0.41
51-28-5	2,4-Dinitrophenol	ND		24	3.0
121-14-2	2,4-Dinitrotoluene	ND		4.9	0.26
606-20-2	2,6-Dinitrotoluene	ND		4.9	0.39
91-57-6	2-Methylnaphthalene	ND		0.97	0.059
95-48-7	2-Methylphenol	ND		4.9	0.42
88-74-4	2-Nitroaniline	ND		24	1.7
88-75-5	2-Nitrophenol	ND		4.9	0.83
108-60-1	2,2'-oxybis[1-chloropropane]	24		0.97	0.096
95-95-4	2,4,5-Trichlorophenol	ND		4.9	0.74
88-06-2	2,4,6-Trichlorophenol	ND		4.9	0.85
100-01-6	4-Nitroaniline	ND		24	0.84

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-106 | Lab Sample ID: 180-14634-8

Matrix: Water | Lab File ID: V0927003.D

Analysis Method: 8270C LL | Date Collected: 09/19/2012 12:25

Extract. Method: 3520C | Date Extracted: 09/25/2012 05:31

Sample wt/vol: 1030(mL) | Date Analyzed: 09/27/2012 16:30

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 5

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 50044 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	ND		24	3.1
7005-72-3	4-Chlorophenyl phenyl ether	ND		4.9	0.24
106-44-5	Methylphenol, 3 & 4	ND		4.9	0.44
534-52-1	4,6-Dinitro-2-methylphenol	ND		24	1.1
106-47-8	4-Chloroaniline	ND		4.9	0.43
59-50-7	4-Chloro-3-methylphenol	ND		4.9	0.37
101-55-3	4-Bromophenyl phenyl ether	ND		4.9	0.31
53-70-3	Dibenz(a,h)anthracene	ND		0.97	0.075
132-64-9	Dibenzofuran	ND		4.9	0.30
84-74-2	Di-n-butyl phthalate	ND		4.9	0.61
84-66-2	Diethyl phthalate	ND		4.9	0.71
131-11-3	Dimethyl phthalate	ND		4.9	0.37
117-84-0	Di-n-octyl phthalate	ND		4.9	1.0
91-94-1	3,3'-Dichlorobenzidine	ND		4.9	0.54
99-09-2	3-Nitroaniline	ND		24	1.6
206-44-0	Fluoranthene	ND		0.97	0.079
86-73-7	Fluorene	ND		0.97	0.10
118-74-1	Hexachlorobenzene	ND		0.97	0.089
87-68-3	Hexachlorobutadiene	ND		0.97	0.081
77-47-4	Hexachlorocyclopentadiene	ND		4.9	0.25
67-72-1	Hexachloroethane	ND		4.9	0.30
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.97	0.097
78-59-1	Isophorone	ND		4.9	0.31
91-20-3	Naphthalene	ND		0.97	0.068
98-95-3	Nitrobenzene	ND		9.7	0.41
86-30-6	N-Nitrosodiphenylamine	ND		4.9	0.41
621-64-7	N-Nitrosodi-n-propylamine	ND		0.97	0.15
129-00-0	Pyrene	ND		0.97	0.076
108-95-2	Phenol	0.44	J	0.97	0.28
85-01-8	Phenanthrene	ND		0.97	0.21
87-86-5	Pentachlorophenol	ND		4.9	0.32
123-91-1	1,4-Dioxane	24		9.7	0.70

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-106 | Lab Sample ID: 180-14634-8

Matrix: Water | Lab File ID: V0927003.D

Analysis Method: 8270C LL | Date Collected: 09/19/2012 12:25

Extract. Method: 3520C | Date Extracted: 09/25/2012 05:31

Sample wt/vol: 1030(mL) | Date Analyzed: 09/27/2012 16:30

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 5

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 50044 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	77		16-122
321-60-8	2-Fluorobiphenyl	60		19-107
367-12-4	2-Fluorophenol	67		10-111
4165-60-0	Nitrobenzene-d5	71		23-112
4165-62-2	Phenol-d5	72		15-112
1718-51-0	Terphenyl-d14	88		10-132

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV092712.b\V0927003.D
Lab Smp Id: 180-14634-B-8-A Client Smp ID: MW-106
Inj Date : 27-SEP-2012 16:30
Operator : 003200 Inst ID: 731.i
Smp Info : 180-14634-B-8-A,5
Misc Info : 180-14634-B-8-A
Comment :
Method : \\PITSVR06\D\chem\731.i\TV092712.b\T8270ll.m
Meth Date : 27-Sep-2012 11:39 piccolinov Quant Type: ISTD
Cal Date : 12-SEP-2012 13:48 Cal File: V0912IC8.D
Als bottle: 5
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: padepi.sub
Target Version: 4.14
Processing Host: PITPC-502

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 1 1,4-Dichlorobenzene-d4	152	4.612	4.627	(1.000)	202954	8.00000	
* 2 Naphthalene-d8	136	5.584	5.599	(1.000)	806711	8.00000	(M)
* 3 Acenaphthene-d10	164	6.936	6.956	(1.000)	466055	8.00000	
* 4 Phenanthrene-d10	188	8.079	8.099	(1.000)	783355	8.00000	
* 5 Chrysene-d12	240	10.163	10.156	(1.000)	549558	8.00000	
* 6 Perylene-d12	264	11.616	11.603	(1.000)	515593	8.00000	
198 1,4-Dioxane	88	1.524	1.491	(0.331)	78094	9.81329	49.066(M)
10 N-Nitrosodimethylamine	74	Compound Not Detected.					
9 Pyridine	79	Compound Not Detected.					
16 Methyl methanesulfonate	80	Compound Not Detected.					
206 Benzaldehyde	77	Compound Not Detected.					
21 Aniline	93	Compound Not Detected.					
22 Phenol	94	4.345	4.359	(0.942)	7193	0.18310	0.91549
23 bis(2-Chloroethyl)ether	93	4.414	4.424	(0.957)	42188	1.57580	7.8790
24 2-Chlorophenol	128	4.452	4.461	(0.965)	50919	1.48918	7.4459
26 1,3-Dichlorobenzene	146	4.569	4.578	(0.991)	1814	0.04440	0.22201
27 1,4-Dichlorobenzene	146	4.628	4.637	(1.003)	15788	0.37731	1.8866
28 1,2-Dichlorobenzene	146	4.746	4.755	(1.029)	198384	4.91406	24.570
217 Indene	116	Compound Not Detected.					
29 Benzyl Alcohol	108	Compound Not Detected.					
30 2-Methylphenol	108	Compound Not Detected.					
31 2,2'-oxybis(1-Chloropropane)	45	4.826	4.840	(1.046)	373492	9.70580	48.529
37 Acetophenone	105	Compound Not Detected.					
32 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192 4-Methylphenol	108	Compound Not Detected.					
34 Hexachloroethane	117	Compound Not Detected.					
35 Nitrobenzene	77	Compound Not Detected.					
36 N-Nitrosopyrrolidine	100	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
41 Isophorone	82	Compound Not Detected.					
42 2-Nitrophenol	139	Compound Not Detected.					
43 2,4-Dimethylphenol	107	Compound Not Detected.					
44 bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
48 2,4-Dichlorophenol	162	Compound Not Detected.					
49 Benzoic Acid	122	5.349	5.385	(0.958)	3078	0.15272	0.76360
50 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51 Naphthalene	128	Compound Not Detected.					
52 4-Chloroaniline	127	Compound Not Detected.					
54 2,6-Dichlorophenol	162	Compound Not Detected.					
56 Hexachlorobutadiene	224	Compound Not Detected.					
208 Caprolactam	113	Compound Not Detected.					
59 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
62 2-Methylnaphthalene	142	Compound Not Detected.					
63 1-Methylnaphthalene	142	Compound Not Detected.					
64 Hexachlorocyclopentadiene	236	Compound Not Detected.					
65 1,2,4,5-Tetrachlorobenzene	215	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	Compound Not Detected.					
67 2,4,5-Trichlorophenol	196	Compound Not Detected.					
209 1,1'-Biphenyl	154	Compound Not Detected.					
70 2-Chloronaphthalene	162	Compound Not Detected.					
73 2-Nitroaniline	65	Compound Not Detected.					
76 Dimethylphthalate	163	Compound Not Detected.					
78 2,6-Dinitrotoluene	165	Compound Not Detected.					
79 Acenaphthylene	152	Compound Not Detected.					
81 3-Nitroaniline	138	Compound Not Detected.					
82 Acenaphthene	153	Compound Not Detected.					
83 2,4-Dinitrophenol	184	Compound Not Detected.					
85 4-Nitrophenol	109	Compound Not Detected.					
86 Dibenzofuran	168	Compound Not Detected.					
87 2,4-Dinitrotoluene	165	Compound Not Detected.					
91 2,3,5,6-Tetrachlorophenol	231	Compound Not Detected.					
88 2,3,4,6-Tetrachlorophenol	231	Compound Not Detected.					
92 2-Naphthylamine	143	Compound Not Detected.					
93 Diethylphthalate	149	Compound Not Detected.					
94 Fluorene	166	Compound Not Detected.					
95 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96 4-Nitroaniline	138	Compound Not Detected.					
98 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99 N-Nitrosodiphenylamine (1)	169	Compound Not Detected.					
100 1,2-Diphenylhydrazine	77	Compound Not Detected.					
106 4-Bromophenyl-phenylether	248	Compound Not Detected.					
107 Hexachlorobenzene	283	Compound Not Detected.					
210 Atrazine	200	Compound Not Detected.					
111 Pentachlorophenol	265	Compound Not Detected.					
115 Phenanthrene	178	Compound Not Detected.					
116 Anthracene	178	Compound Not Detected.					
119 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	Compound Not Detected.					
123 Fluoranthene	202	Compound Not Detected.					
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	Compound Not Detected.					
131 Butylbenzylphthalate	149	Compound Not Detected.					
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
136 Benzo(a)Anthracene	228	Compound Not Detected.					
137 Chrysene	228	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	Compound Not Detected.					
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	Compound Not Detected.					
142 Benzo(k)fluoranthene	252	Compound Not Detected.					
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
146 Benzo(a)pyrene	252	Compound Not Detected.					
149 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
150 Dibenz(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 154 Nitrobenzene-d5	82	5.029	5.043	(0.901)	174951	5.66544	28.327(M)
$ 155 2-Fluorobiphenyl	172	6.412	6.427	(0.925)	371534	4.82089	24.104
$ 156 Terphenyl-d14	244	9.302	9.317	(0.915)	372004	7.06021	35.301
$ 157 Phenol-d5	99	4.340	4.349	(0.941)	287686	8.64545	43.227
$ 158 2-Fluorophenol	112	3.597	3.601	(0.780)	218626	8.06841	40.342
$ 159 2,4,6-Tribromophenol	330	7.540	7.559	(0.933)	84232	9.25872	46.294
$ 186 2-Chlorophenol-d4	132	4.436	4.450	(0.962)	275804	8.01459	40.073
$ 187 1,2-Dichlorobenzene-d4	152	4.735	4.744	(1.027)	98500	4.00638	20.032

QC Flag Legend

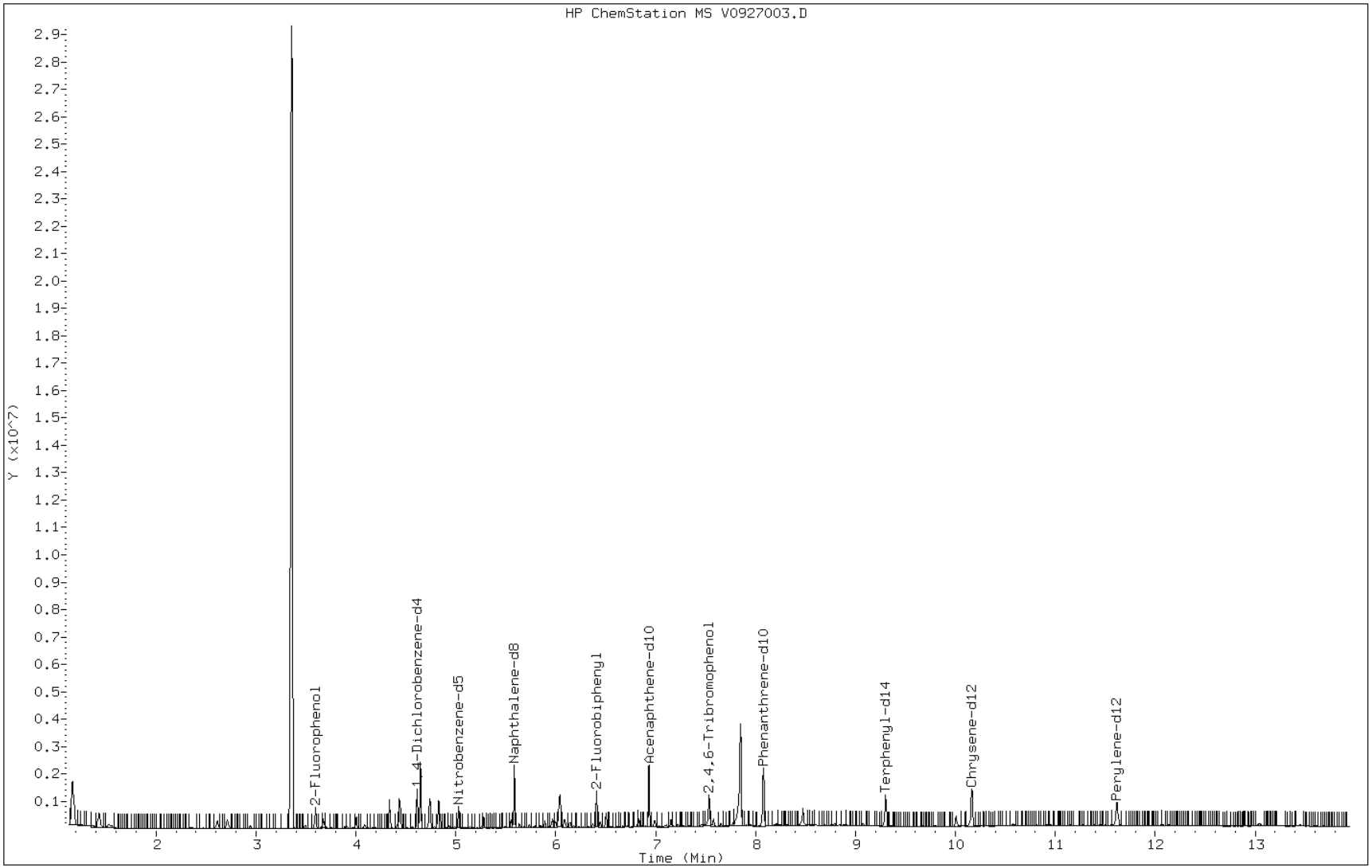
M - Compound response manually integrated.

Data File: V0927003.D

Date: 27-SEP-2012 16:30

Client ID: MW-106 Instrument: 731.i

Sample Info: 180-14634-B-8-A,5 Operator: 003200



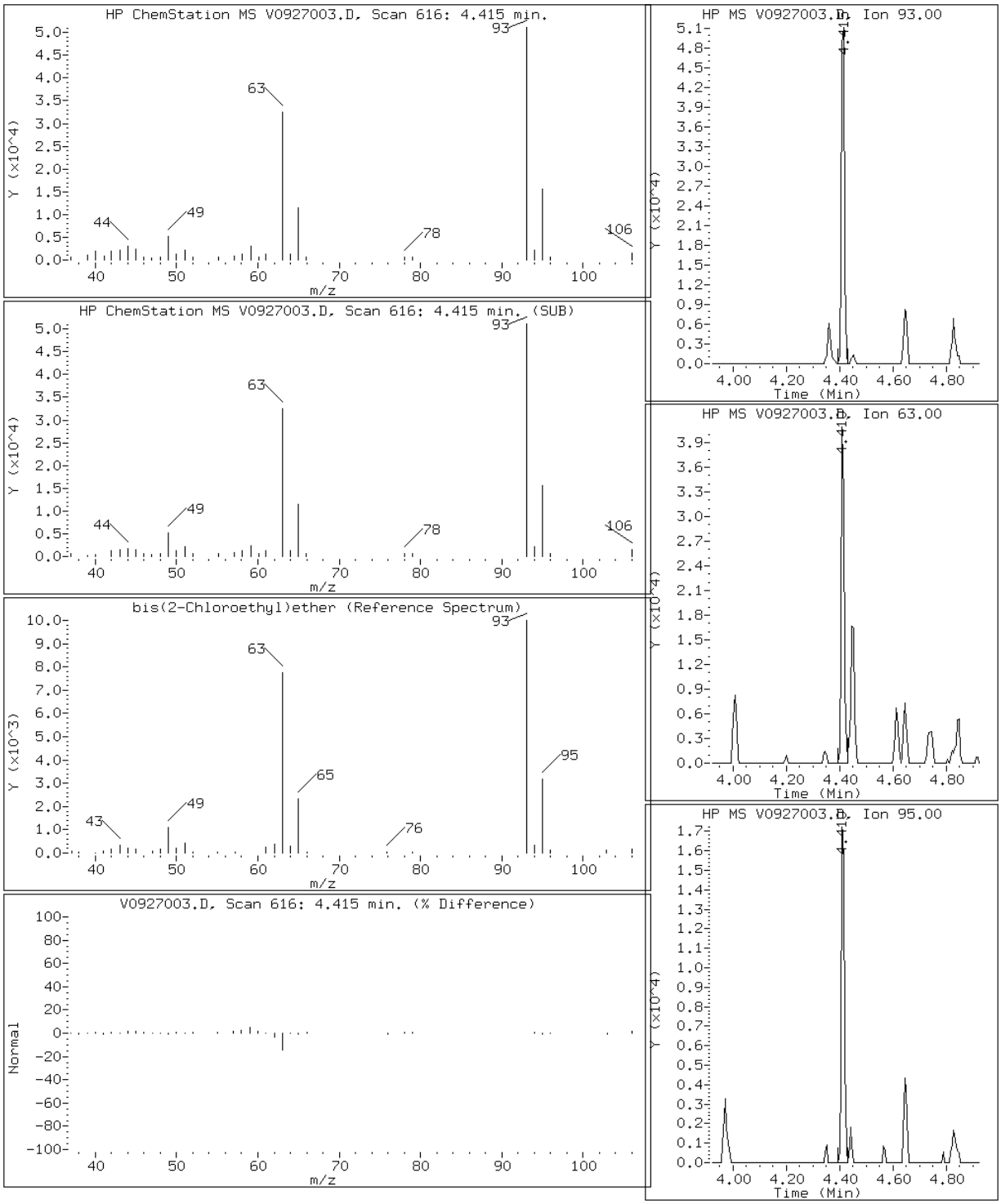
Data File: V0927003.D

Date: 27-SEP-2012 16:30

Client ID: MW-106 Instrument: 731.i

Sample Info: 180-14634-B-8-A,5 Operator: 003200

23 bis(2-Chloroethyl)ether



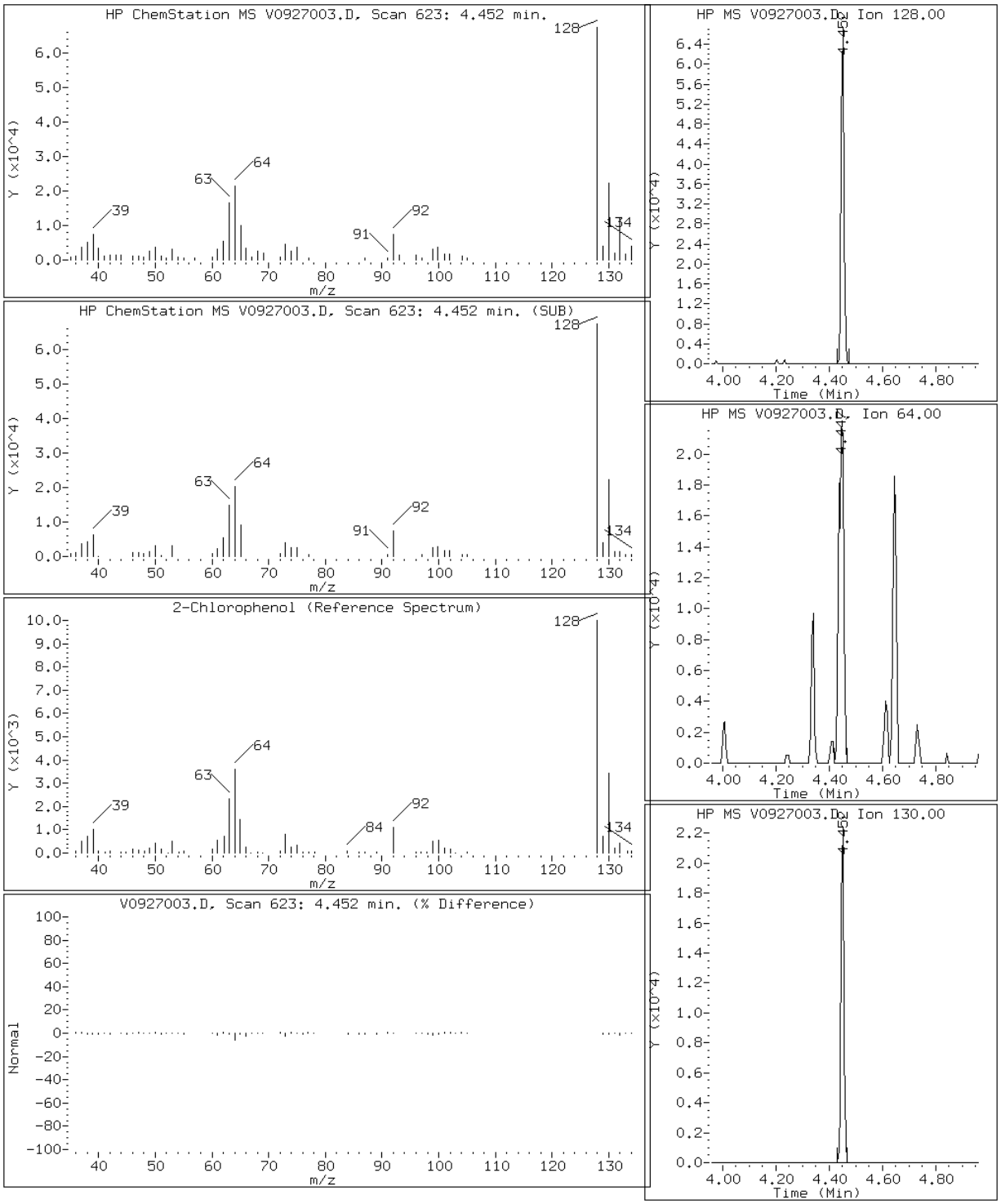
Data File: V0927003.D

Date: 27-SEP-2012 16:30

Client ID: MW-106 Instrument: 731.i

Sample Info: 180-14634-B-8-A,5 Operator: 003200

24 2-Chlorophenol



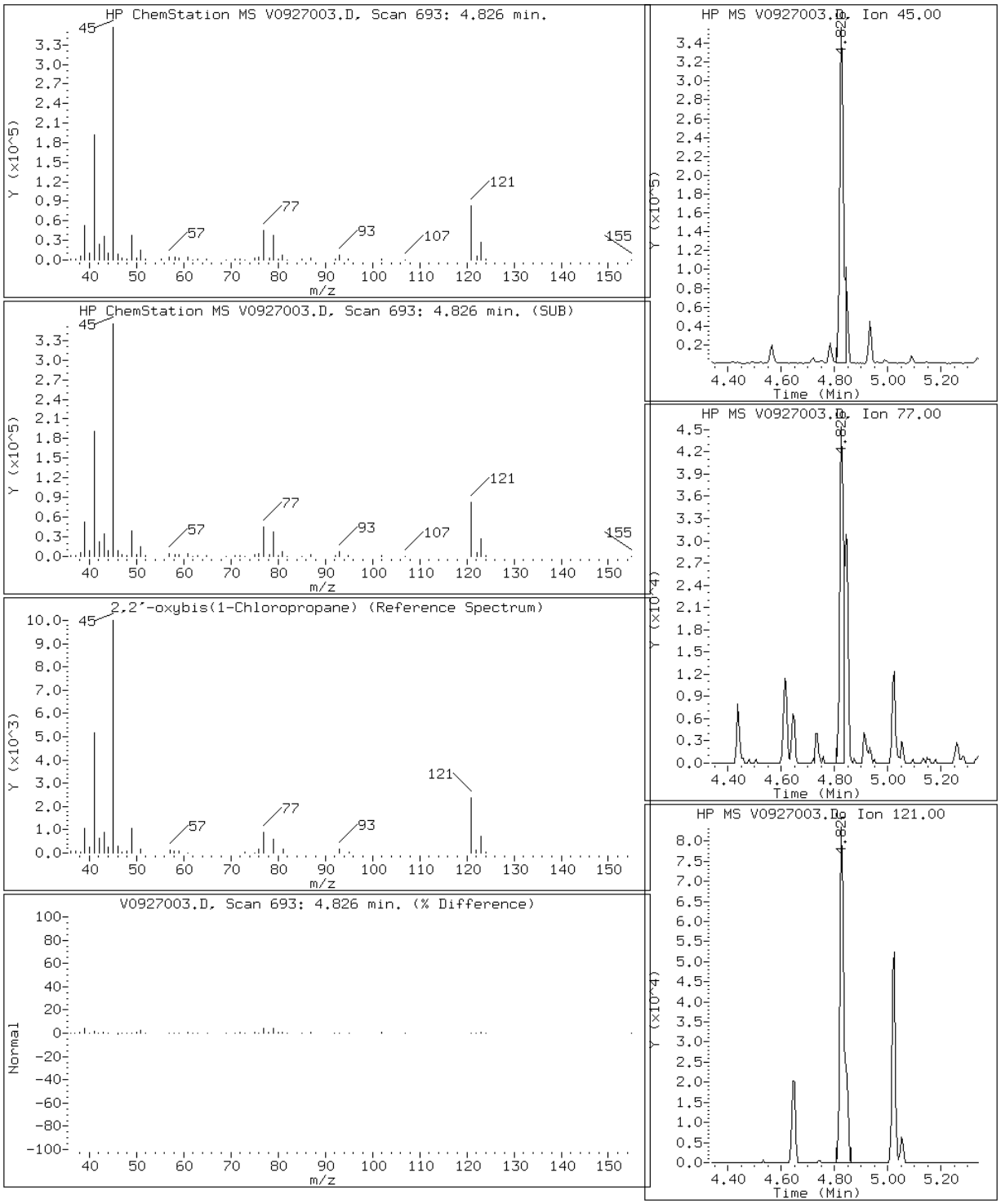
Data File: V0927003.D

Date: 27-SEP-2012 16:30

Client ID: MW-106 Instrument: 731.i

Sample Info: 180-14634-B-8-A,5 Operator: 003200

31 2,2'-oxybis(1-Chloropropane)



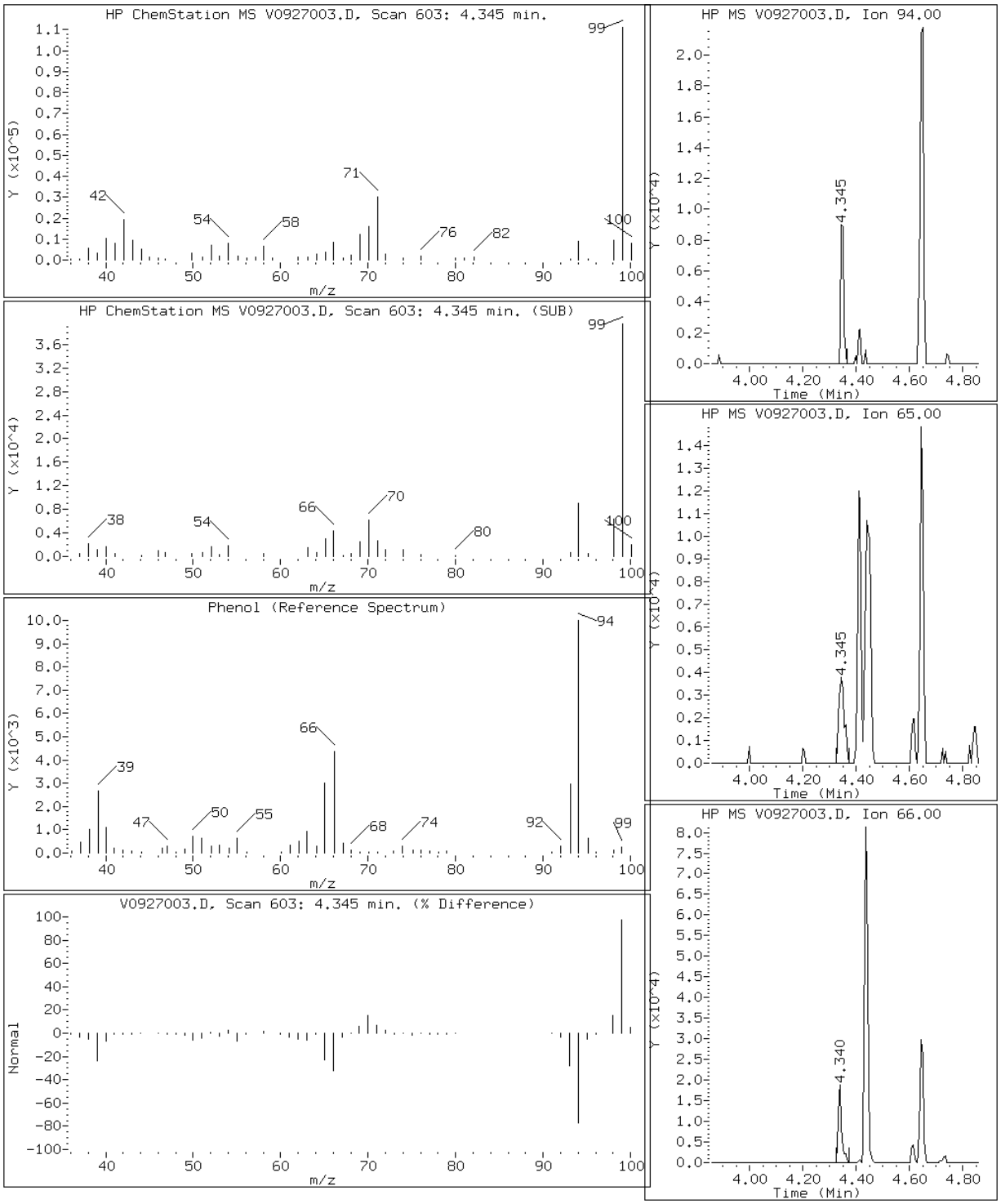
Data File: V0927003.D

Date: 27-SEP-2012 16:30

Client ID: MW-106 Instrument: 731.i

Sample Info: 180-14634-B-8-A,5 Operator: 003200

22 Phenol



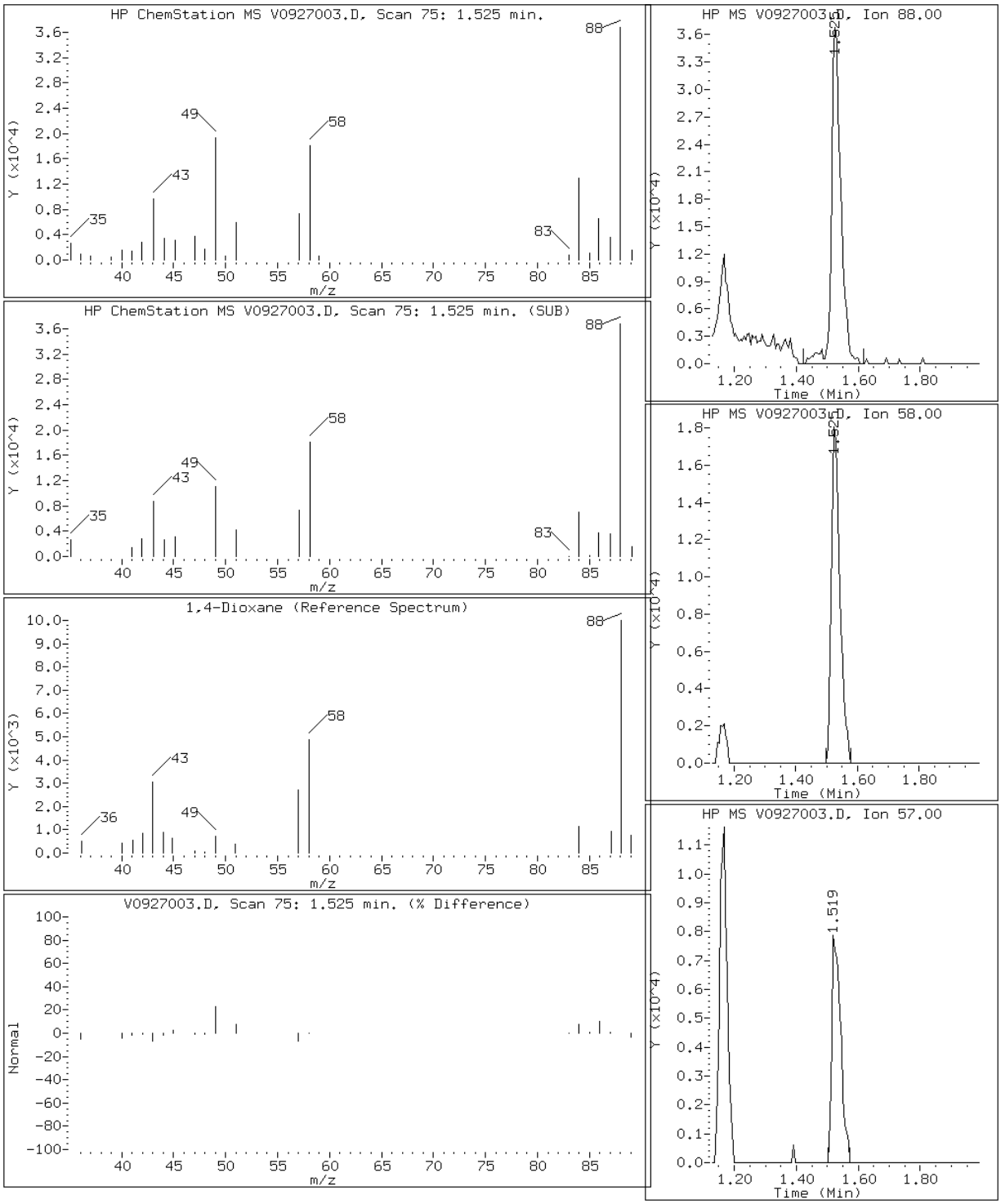
Data File: V0927003.D

Date: 27-SEP-2012 16:30

Client ID: MW-106 Instrument: 731.i

Sample Info: 180-14634-B-8-A,5 Operator: 003200

198 1,4-Dioxane



Manual Integration Report

Data File: V0927003.D
Inj. Date and Time: 27-SEP-2012 16:30
Instrument ID: 731.i
Client ID: MW-106
Compound: 154 Nitrobenzene-d5
CAS #: 4165-60-0
Report Date: 09/28/2012

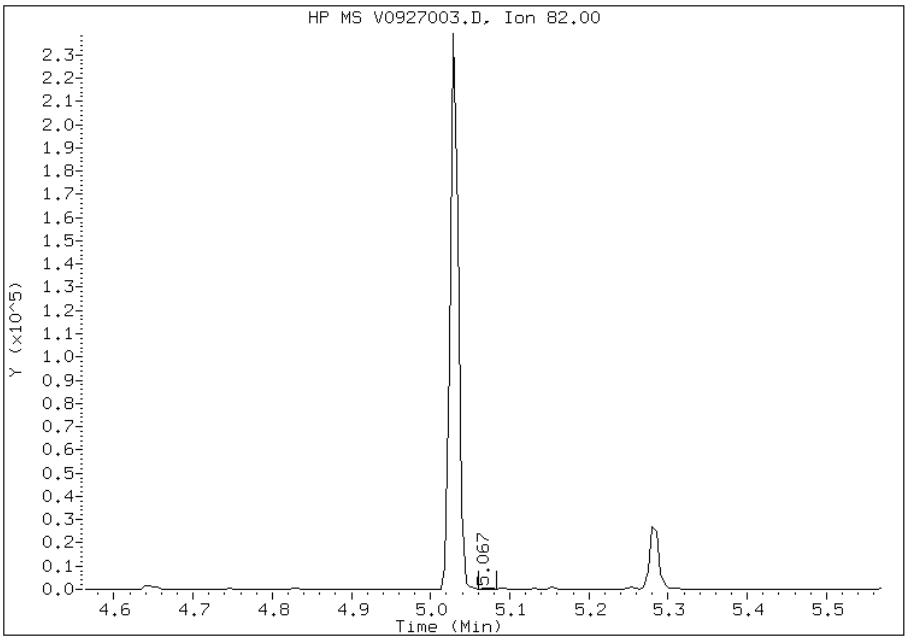
Processing Integration Results

RT: 5.07

Response: 599

Amount: 0

Conc: 0



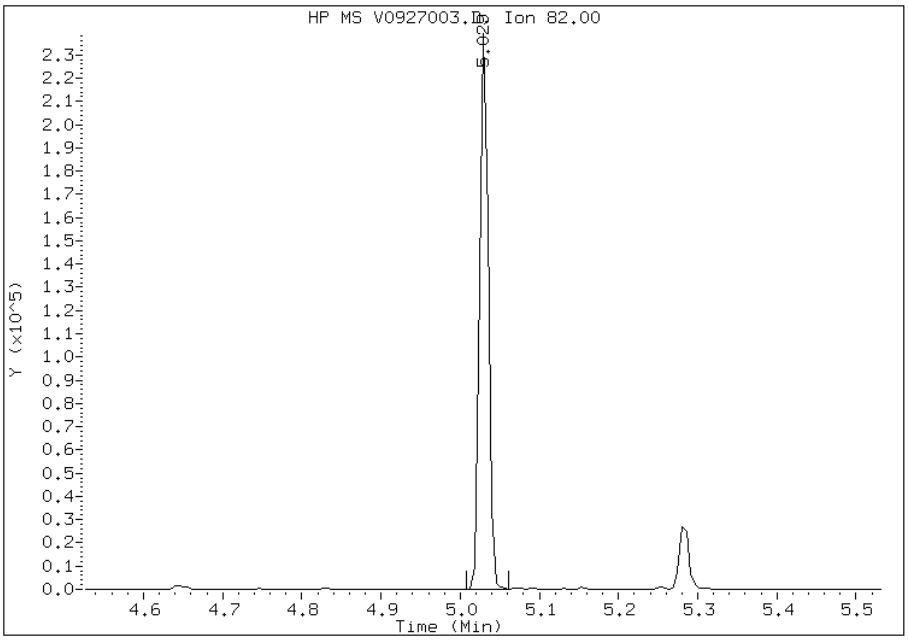
Manual Integration Results

RT: 5.03

Response: 174951

Amount: 6

Conc: 28



Manually Integrated By: piccolinov
Modification Date: 28-Sep-2012 05:28
Manual Integration Reason: Peak Not Found

Manual Integration Report

Data File: V0927003.D
Inj. Date and Time: 27-SEP-2012 16:30
Instrument ID: 731.i
Client ID: MW-106
Compound: 198 1,4-Dioxane
CAS #: 123-91-1
Report Date: 09/28/2012

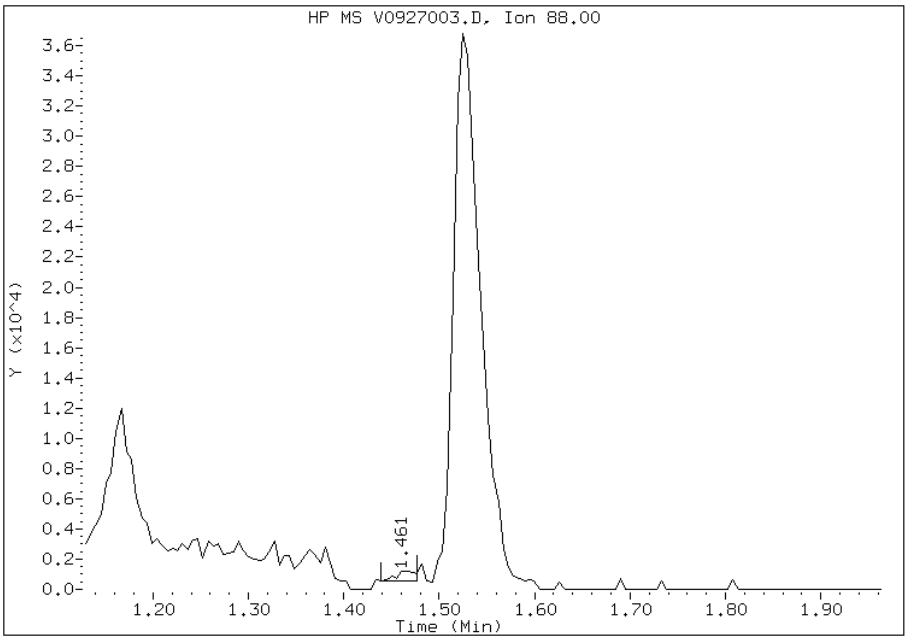
Processing Integration Results

RT: 1.46

Response: 948

Amount: 0

Conc: 1



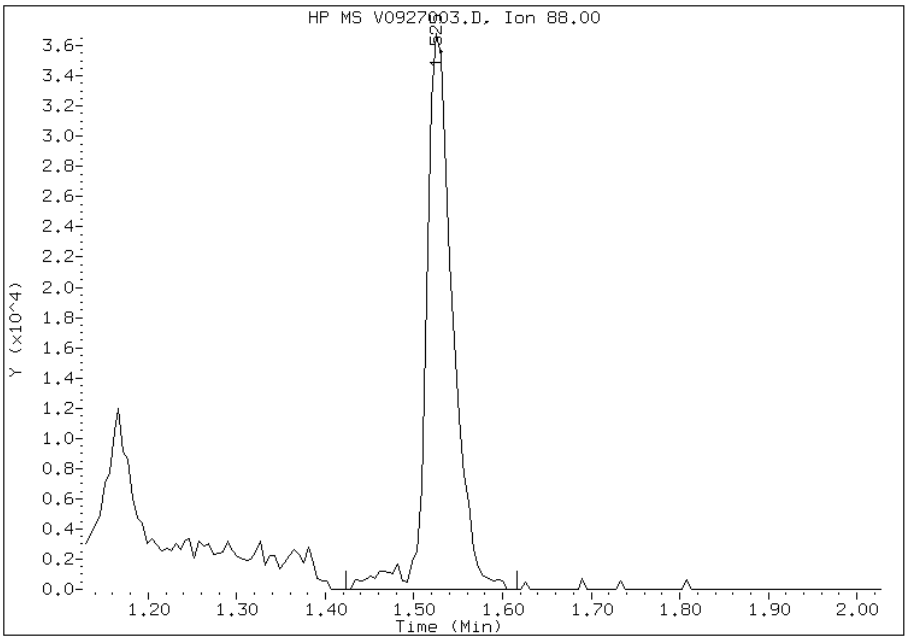
Manual Integration Results

RT: 1.52

Response: 78094

Amount: 10

Conc: 49



Manually Integrated By: piccolinov
Modification Date: 28-Sep-2012 05:01
Manual Integration Reason: Peak Not Found

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: TMP-5 | Lab Sample ID: 180-14634-11

Matrix: Water | Lab File ID: V0960024.D

Analysis Method: 8270C LL | Date Collected: 09/19/2012 12:30

Extract. Method: 3520C | Date Extracted: 09/25/2012 05:31

Sample wt/vol: 1000(mL) | Date Analyzed: 09/26/2012 22:32

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49849 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		0.20	0.014
208-96-8	Acenaphthylene	ND		0.20	0.015
98-86-2	Acetophenone	0.095	J	1.0	0.080
120-12-7	Anthracene	ND		0.20	0.15
1912-24-9	Atrazine	ND		1.0	0.089
100-52-7	Benzaldehyde	ND		1.0	0.15
56-55-3	Benzo[a]anthracene	ND		0.20	0.015
205-99-2	Benzo[b]fluoranthene	ND		0.20	0.016
207-08-9	Benzo[k]fluoranthene	ND		0.20	0.055
191-24-2	Benzo[g,h,i]perylene	ND		0.20	0.015
50-32-8	Benzo[a]pyrene	ND		0.20	0.013
111-91-1	Bis(2-chloroethoxy)methane	ND		1.0	0.058
111-44-4	Bis(2-chloroethyl)ether	ND		0.20	0.025
117-81-7	Bis(2-ethylhexyl) phthalate	ND		2.0	1.3
85-68-7	Butyl benzyl phthalate	ND		1.0	0.14
92-52-4	1,1'-Biphenyl	ND		1.0	0.042
105-60-2	Caprolactam	ND		5.0	1.2
86-74-8	Carbazole	ND		0.20	0.016
218-01-9	Chrysene	ND		0.20	0.014
91-58-7	2-Chloronaphthalene	ND		0.20	0.015
95-57-8	2-Chlorophenol	ND		1.0	0.17
120-83-2	2,4-Dichlorophenol	ND		0.20	0.033
105-67-9	2,4-Dimethylphenol	ND		1.0	0.085
51-28-5	2,4-Dinitrophenol	ND		5.0	0.61
121-14-2	2,4-Dinitrotoluene	ND		1.0	0.054
606-20-2	2,6-Dinitrotoluene	ND		1.0	0.080
91-57-6	2-Methylnaphthalene	ND		0.20	0.012
95-48-7	2-Methylphenol	ND		1.0	0.086
88-74-4	2-Nitroaniline	ND		5.0	0.35
88-75-5	2-Nitrophenol	ND		1.0	0.17
108-60-1	2,2'-oxybis[1-chloropropane]	ND		0.20	0.020
95-95-4	2,4,5-Trichlorophenol	ND		1.0	0.15
88-06-2	2,4,6-Trichlorophenol	ND		1.0	0.17
100-01-6	4-Nitroaniline	ND		5.0	0.17

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: TMP-5 | Lab Sample ID: 180-14634-11

Matrix: Water | Lab File ID: V0960024.D

Analysis Method: 8270C LL | Date Collected: 09/19/2012 12:30

Extract. Method: 3520C | Date Extracted: 09/25/2012 05:31

Sample wt/vol: 1000(mL) | Date Analyzed: 09/26/2012 22:32

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49849 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	ND		5.0	0.65
7005-72-3	4-Chlorophenyl phenyl ether	ND		1.0	0.050
106-44-5	Methylphenol, 3 & 4	ND		1.0	0.090
534-52-1	4,6-Dinitro-2-methylphenol	ND		5.0	0.22
106-47-8	4-Chloroaniline	ND		1.0	0.089
59-50-7	4-Chloro-3-methylphenol	ND		1.0	0.075
101-55-3	4-Bromophenyl phenyl ether	ND		1.0	0.064
53-70-3	Dibenz(a,h)anthracene	ND		0.20	0.016
132-64-9	Dibenzofuran	ND		1.0	0.062
84-74-2	Di-n-butyl phthalate	ND		1.0	0.12
84-66-2	Diethyl phthalate	ND		1.0	0.15
131-11-3	Dimethyl phthalate	ND		1.0	0.077
117-84-0	Di-n-octyl phthalate	ND		1.0	0.21
91-94-1	3,3'-Dichlorobenzidine	ND		1.0	0.11
99-09-2	3-Nitroaniline	ND		5.0	0.32
206-44-0	Fluoranthene	ND		0.20	0.016
86-73-7	Fluorene	ND		0.20	0.022
118-74-1	Hexachlorobenzene	ND		0.20	0.018
87-68-3	Hexachlorobutadiene	ND		0.20	0.017
77-47-4	Hexachlorocyclopentadiene	ND		1.0	0.052
67-72-1	Hexachloroethane	ND		1.0	0.063
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.20	0.020
78-59-1	Isophorone	ND		1.0	0.064
91-20-3	Naphthalene	ND		0.20	0.014
98-95-3	Nitrobenzene	ND		2.0	0.084
86-30-6	N-Nitrosodiphenylamine	ND		1.0	0.085
621-64-7	N-Nitrosodi-n-propylamine	ND		0.20	0.031
129-00-0	Pyrene	ND		0.20	0.016
108-95-2	Phenol	ND		0.20	0.058
85-01-8	Phenanthrene	ND		0.20	0.043
87-86-5	Pentachlorophenol	ND		1.0	0.066
123-91-1	1,4-Dioxane	ND		2.0	0.14

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: TMP-5 | Lab Sample ID: 180-14634-11

Matrix: Water | Lab File ID: V0960024.D

Analysis Method: 8270C LL | Date Collected: 09/19/2012 12:30

Extract. Method: 3520C | Date Extracted: 09/25/2012 05:31

Sample wt/vol: 1000(mL) | Date Analyzed: 09/26/2012 22:32

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49849 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	56		16-122
321-60-8	2-Fluorobiphenyl	55		19-107
367-12-4	2-Fluorophenol	57		10-111
4165-60-0	Nitrobenzene-d5	63		23-112
4165-62-2	Phenol-d5	65		15-112
1718-51-0	Terphenyl-d14	95		10-132

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV092612.b\V0960024.D
Lab Smp Id: 180-14634-B-11-A Client Smp ID: TMP-5
Inj Date : 26-SEP-2012 22:32
Operator : 003200 Inst ID: 731.i
Smp Info : 180-14634-B-11-A
Misc Info : 180-14634-B-11-A
Comment :
Method : \\PITSVR06\D\chem\731.i\TV092612.b\T8270ll.m
Meth Date : 26-Sep-2012 13:25 piccolinov Quant Type: ISTD
Cal Date : 12-SEP-2012 13:48 Cal File: V0912IC8.D
Als bottle: 26
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: padepi.sub
Target Version: 4.14
Processing Host: PITPC-502

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 1 1,4-Dichlorobenzene-d4	152	4.562	4.580	(1.000)	208565	8.00000	
* 2 Naphthalene-d8	136	5.534	5.552	(1.000)	807486	8.00000	
* 3 Acenaphthene-d10	164	6.875	6.899	(1.000)	479491	8.00000	
* 4 Phenanthrene-d10	188	8.023	8.042	(1.000)	757746	8.00000	
* 5 Chrysene-d12	240	10.080	10.093	(1.000)	509073	8.00000	
* 6 Perylene-d12	264	11.490	11.514	(1.000)	530307	8.00000	
198 1,4-Dioxane	88	Compound Not Detected.					
10 N-Nitrosodimethylamine	74	Compound Not Detected.					
9 Pyridine	79	Compound Not Detected.					
16 Methyl methanesulfonate	80	Compound Not Detected.					
206 Benzaldehyde	77	Compound Not Detected.					
21 Aniline	93	Compound Not Detected.					
22 Phenol	94	Compound Not Detected.					
23 bis(2-Chloroethyl)ether	93	Compound Not Detected.					
24 2-Chlorophenol	128	Compound Not Detected.					
26 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					
28 1,2-Dichlorobenzene	146	Compound Not Detected.					
217 Indene	116	Compound Not Detected.					
29 Benzyl Alcohol	108	Compound Not Detected.					
30 2-Methylphenol	108	Compound Not Detected.					
31 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
37 Acetophenone	105	4.866	4.885	(1.067)	7832	0.18912	0.18912
32 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192 4-Methylphenol	108	Compound Not Detected.					
34 Hexachloroethane	117	Compound Not Detected.					
35 Nitrobenzene	77	Compound Not Detected.					
36 N-Nitrosopyrrolidine	100	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
41 Isophorone	82	Compound Not Detected.					
42 2-Nitrophenol	139	Compound Not Detected.					
43 2,4-Dimethylphenol	107	Compound Not Detected.					
44 bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
48 2,4-Dichlorophenol	162	Compound Not Detected.					
49 Benzoic Acid	122	Compound Not Detected.					
50 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51 Naphthalene	128	Compound Not Detected.					
52 4-Chloroaniline	127	Compound Not Detected.					
54 2,6-Dichlorophenol	162	Compound Not Detected.					
56 Hexachlorobutadiene	224	Compound Not Detected.					
208 Caprolactam	113	5.828	5.846	(1.053)	2462	0.32338	0.32338
59 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
62 2-Methylnaphthalene	142	Compound Not Detected.					
63 1-Methylnaphthalene	142	Compound Not Detected.					
64 Hexachlorocyclopentadiene	236	Compound Not Detected.					
65 1,2,4,5-Tetrachlorobenzene	215	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	Compound Not Detected.					
67 2,4,5-Trichlorophenol	196	Compound Not Detected.					
209 1,1'-Biphenyl	154	Compound Not Detected.					
70 2-Chloronaphthalene	162	Compound Not Detected.					
73 2-Nitroaniline	65	Compound Not Detected.					
76 Dimethylphthalate	163	Compound Not Detected.					
78 2,6-Dinitrotoluene	165	Compound Not Detected.					
79 Acenaphthylene	152	Compound Not Detected.					
81 3-Nitroaniline	138	Compound Not Detected.					
82 Acenaphthene	153	Compound Not Detected.					
83 2,4-Dinitrophenol	184	Compound Not Detected.					
85 4-Nitrophenol	109	Compound Not Detected.					
86 Dibenzofuran	168	Compound Not Detected.					
87 2,4-Dinitrotoluene	165	Compound Not Detected.					
91 2,3,5,6-Tetrachlorophenol	231	Compound Not Detected.					
88 2,3,4,6-Tetrachlorophenol	231	Compound Not Detected.					
92 2-Naphthylamine	143	Compound Not Detected.					
93 Diethylphthalate	149	7.195	7.219	(1.047)	8122	0.10843	0.10843
94 Fluorene	166	Compound Not Detected.					
95 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96 4-Nitroaniline	138	Compound Not Detected.					
98 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99 N-Nitrosodiphenylamine (1)	169	Compound Not Detected.					
100 1,2-Diphenylhydrazine	77	Compound Not Detected.					
106 4-Bromophenyl-phenylether	248	Compound Not Detected.					
107 Hexachlorobenzene	283	Compound Not Detected.					
210 Atrazine	200	Compound Not Detected.					
111 Pentachlorophenol	265	Compound Not Detected.					
115 Phenanthrene	178	Compound Not Detected.					
116 Anthracene	178	Compound Not Detected.					
119 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	8.445	8.469	(1.053)	15073	0.12572	0.12572
123 Fluoranthene	202	Compound Not Detected.					
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	Compound Not Detected.					
131 Butylbenzylphthalate	149	9.605	9.618	(0.953)	8343	0.23902	0.23902
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					

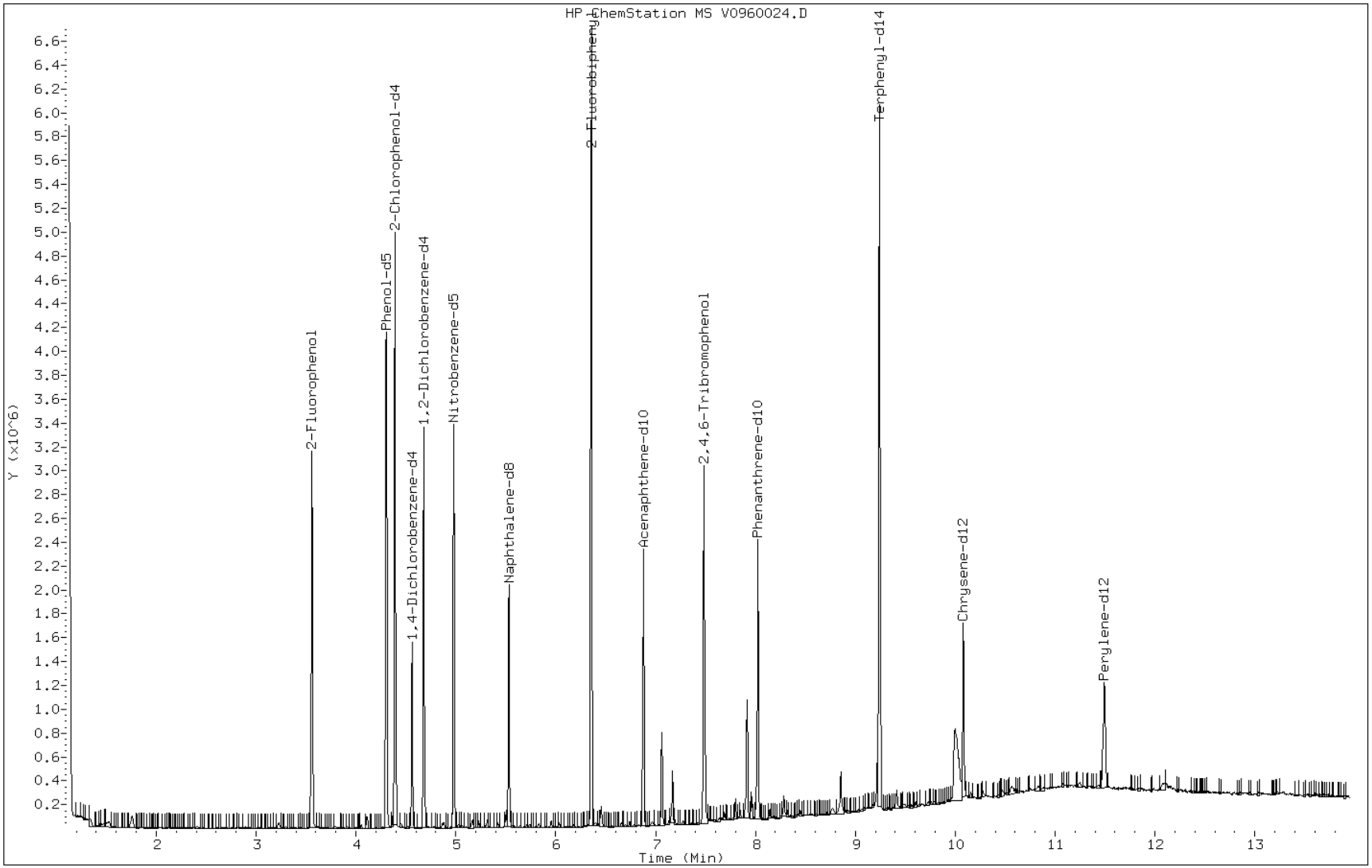
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
136 Benzo(a)Anthracene	228	Compound Not Detected.					
137 Chrysene	228	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	10.043	10.050	(0.996)	31083	0.62868	0.62868
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	Compound Not Detected.					
142 Benzo(k)fluoranthene	252	Compound Not Detected.					
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
146 Benzo(a)pyrene	252	Compound Not Detected.					
149 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
150 Dibenz(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 154 Nitrobenzene-d5	82	4.978	4.997	(0.900)	775818	25.0992	25.099
$ 155 2-Fluorobiphenyl	172	6.357	6.375	(0.925)	1743306	21.9867	21.987
$ 156 Terphenyl-d14	244	9.241	9.260	(0.917)	1861014	38.1288	38.129
$ 157 Phenol-d5	99	4.305	4.313	(0.944)	1327955	38.8337	38.834
$ 158 2-Fluorophenol	112	3.557	3.565	(0.780)	955924	34.3293	34.329
$ 159 2,4,6-Tribromophenol	330	7.489	7.508	(0.933)	297676	33.8262	33.826
$ 186 2-Chlorophenol-d4	132	4.391	4.404	(0.963)	1280650	36.2132	36.213
$ 187 1,2-Dichlorobenzene-d4	152	4.679	4.698	(1.026)	454236	17.9785	17.978

Data File: V0960024.D

Date: 26-SEP-2012 22:32

Client ID: TMP-5 Instrument: 731.i

Sample Info: 180-14634-B-11-A Operator: 003200



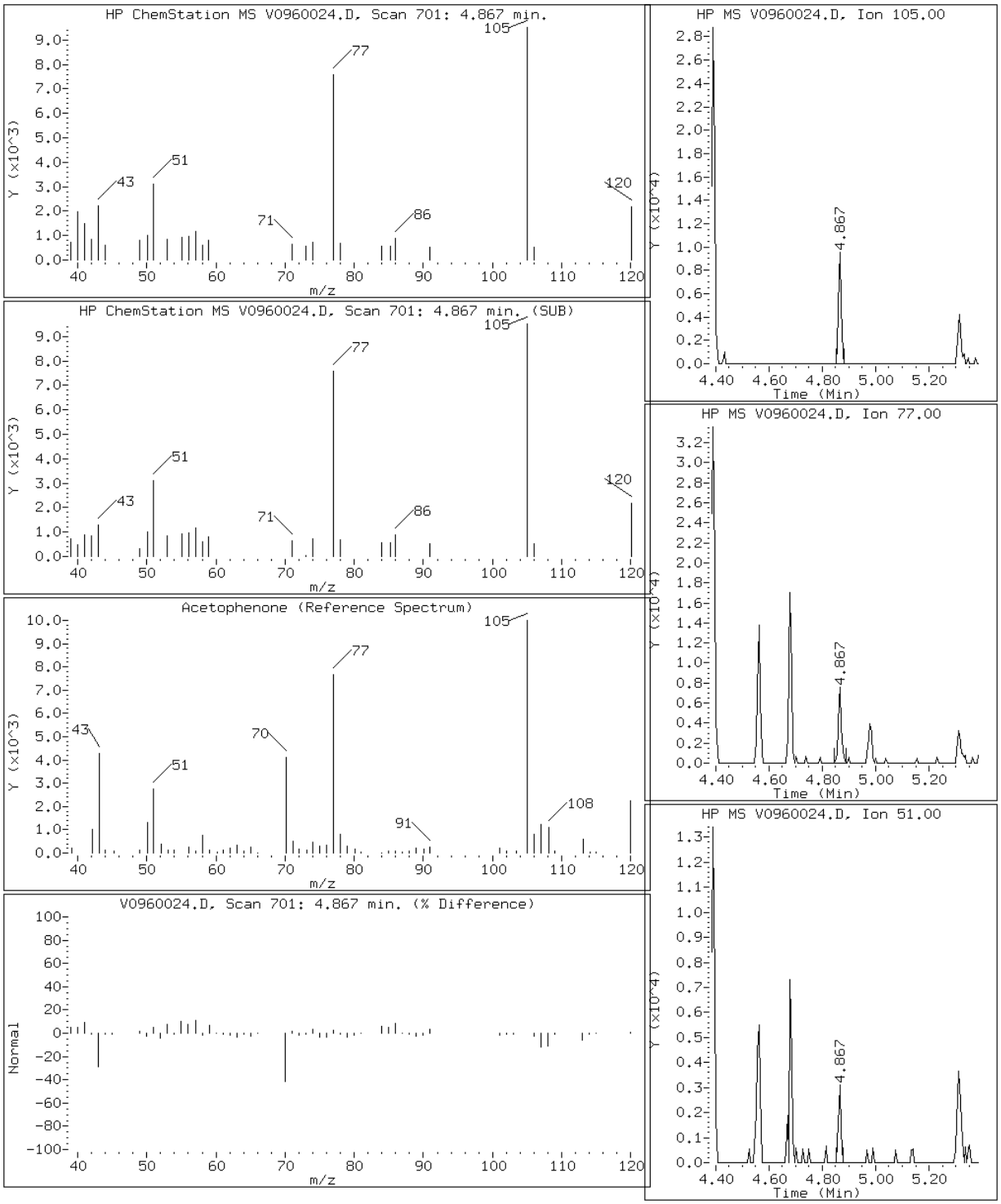
Data File: V0960024.D

Date: 26-SEP-2012 22:32

Client ID: TMP-5 Instrument: 731.i

Sample Info: 180-14634-B-11-A Operator: 003200

37 Acetophenone



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: FB-2 | Lab Sample ID: 180-14634-12

Matrix: Water | Lab File ID: V0960025.D

Analysis Method: 8270C LL | Date Collected: 09/19/2012 11:30

Extract. Method: 3520C | Date Extracted: 09/25/2012 05:31

Sample wt/vol: 970(mL) | Date Analyzed: 09/26/2012 22:55

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49849 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		0.21	0.015
208-96-8	Acenaphthylene	ND		0.21	0.016
98-86-2	Acetophenone	0.31	J	1.0	0.082
120-12-7	Anthracene	ND		0.21	0.16
1912-24-9	Atrazine	ND		1.0	0.092
100-52-7	Benzaldehyde	ND		1.0	0.15
56-55-3	Benzo[a]anthracene	ND		0.21	0.015
205-99-2	Benzo[b]fluoranthene	ND		0.21	0.016
207-08-9	Benzo[k]fluoranthene	ND		0.21	0.056
191-24-2	Benzo[g,h,i]perylene	ND		0.21	0.016
50-32-8	Benzo[a]pyrene	ND		0.21	0.014
111-91-1	Bis(2-chloroethoxy)methane	ND		1.0	0.060
111-44-4	Bis(2-chloroethyl)ether	ND		0.21	0.026
117-81-7	Bis(2-ethylhexyl) phthalate	ND		2.1	1.3
85-68-7	Butyl benzyl phthalate	ND		1.0	0.15
92-52-4	1,1'-Biphenyl	ND		1.0	0.043
105-60-2	Caprolactam	ND		5.2	1.2
86-74-8	Carbazole	ND		0.21	0.016
218-01-9	Chrysene	ND		0.21	0.014
91-58-7	2-Chloronaphthalene	ND		0.21	0.016
95-57-8	2-Chlorophenol	ND		1.0	0.17
120-83-2	2,4-Dichlorophenol	ND		0.21	0.034
105-67-9	2,4-Dimethylphenol	ND		1.0	0.088
51-28-5	2,4-Dinitrophenol	ND		5.2	0.63
121-14-2	2,4-Dinitrotoluene	ND		1.0	0.055
606-20-2	2,6-Dinitrotoluene	ND		1.0	0.082
91-57-6	2-Methylnaphthalene	ND		0.21	0.013
95-48-7	2-Methylphenol	ND		1.0	0.089
88-74-4	2-Nitroaniline	ND		5.2	0.36
88-75-5	2-Nitrophenol	ND		1.0	0.18
108-60-1	2,2'-oxybis[1-chloropropane]	ND		0.21	0.020
95-95-4	2,4,5-Trichlorophenol	ND		1.0	0.16
88-06-2	2,4,6-Trichlorophenol	ND		1.0	0.18
100-01-6	4-Nitroaniline	ND		5.2	0.18

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: FB-2 | Lab Sample ID: 180-14634-12

Matrix: Water | Lab File ID: V0960025.D

Analysis Method: 8270C LL | Date Collected: 09/19/2012 11:30

Extract. Method: 3520C | Date Extracted: 09/25/2012 05:31

Sample wt/vol: 970(mL) | Date Analyzed: 09/26/2012 22:55

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49849 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	ND		5.2	0.67
7005-72-3	4-Chlorophenyl phenyl ether	ND		1.0	0.052
106-44-5	Methylphenol, 3 & 4	ND		1.0	0.093
534-52-1	4,6-Dinitro-2-methylphenol	ND		5.2	0.23
106-47-8	4-Chloroaniline	ND		1.0	0.091
59-50-7	4-Chloro-3-methylphenol	ND		1.0	0.078
101-55-3	4-Bromophenyl phenyl ether	ND		1.0	0.065
53-70-3	Dibenz(a,h)anthracene	ND		0.21	0.016
132-64-9	Dibenzofuran	ND		1.0	0.064
84-74-2	Di-n-butyl phthalate	ND		1.0	0.13
84-66-2	Diethyl phthalate	ND		1.0	0.15
131-11-3	Dimethyl phthalate	ND		1.0	0.079
117-84-0	Di-n-octyl phthalate	ND		1.0	0.21
91-94-1	3,3'-Dichlorobenzidine	ND		1.0	0.12
99-09-2	3-Nitroaniline	ND		5.2	0.33
206-44-0	Fluoranthene	ND		0.21	0.017
86-73-7	Fluorene	ND		0.21	0.022
118-74-1	Hexachlorobenzene	ND		0.21	0.019
87-68-3	Hexachlorobutadiene	ND		0.21	0.017
77-47-4	Hexachlorocyclopentadiene	ND		1.0	0.053
67-72-1	Hexachloroethane	ND		1.0	0.065
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.21	0.021
78-59-1	Isophorone	ND		1.0	0.066
91-20-3	Naphthalene	ND		0.21	0.014
98-95-3	Nitrobenzene	ND		2.1	0.087
86-30-6	N-Nitrosodiphenylamine	ND		1.0	0.088
621-64-7	N-Nitrosodi-n-propylamine	ND		0.21	0.032
129-00-0	Pyrene	ND		0.21	0.016
108-95-2	Phenol	ND		0.21	0.060
85-01-8	Phenanthrene	ND		0.21	0.044
87-86-5	Pentachlorophenol	ND		1.0	0.068
123-91-1	1,4-Dioxane	ND		2.1	0.15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: FB-2 | Lab Sample ID: 180-14634-12

Matrix: Water | Lab File ID: V0960025.D

Analysis Method: 8270C LL | Date Collected: 09/19/2012 11:30

Extract. Method: 3520C | Date Extracted: 09/25/2012 05:31

Sample wt/vol: 970(mL) | Date Analyzed: 09/26/2012 22:55

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49849 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	58		16-122
321-60-8	2-Fluorobiphenyl	58		19-107
367-12-4	2-Fluorophenol	58		10-111
4165-60-0	Nitrobenzene-d5	61		23-112
4165-62-2	Phenol-d5	64		15-112
1718-51-0	Terphenyl-d14	101		10-132

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV092612.b\V0960025.D
Lab Smp Id: 180-14634-B-12-A Client Smp ID: FB-2
Inj Date : 26-SEP-2012 22:55
Operator : 003200 Inst ID: 731.i
Smp Info : 180-14634-B-12-A
Misc Info : 180-14634-B-12-A
Comment :
Method : \\PITSVR06\D\chem\731.i\TV092612.b\T8270ll.m
Meth Date : 26-Sep-2012 13:25 piccolinov Quant Type: ISTD
Cal Date : 12-SEP-2012 13:48 Cal File: V0912IC8.D
Als bottle: 27
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: padepi.sub
Target Version: 4.14
Processing Host: PITPC-502

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 1 1,4-Dichlorobenzene-d4	152	4.564	4.580	(1.000)	197938	8.00000	
* 2 Naphthalene-d8	136	5.531	5.552	(1.000)	793631	8.00000	(M)
* 3 Acenaphthene-d10	164	6.877	6.899	(1.000)	446140	8.00000	
* 4 Phenanthrene-d10	188	8.026	8.042	(1.000)	699709	8.00000	
* 5 Chrysene-d12	240	10.082	10.093	(1.000)	493980	8.00000	
* 6 Perylene-d12	264	11.493	11.514	(1.000)	504247	8.00000	
198 1,4-Dioxane	88	Compound Not Detected.					
10 N-Nitrosodimethylamine	74	Compound Not Detected.					
9 Pyridine	79	Compound Not Detected.					
16 Methyl methanesulfonate	80	Compound Not Detected.					
206 Benzaldehyde	77	4.222	4.233	(0.925)	1458	0.09502	0.095016
21 Aniline	93	Compound Not Detected.					
22 Phenol	94	Compound Not Detected.					
23 bis(2-Chloroethyl)ether	93	Compound Not Detected.					
24 2-Chlorophenol	128	Compound Not Detected.					
26 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					
28 1,2-Dichlorobenzene	146	Compound Not Detected.					
217 Indene	116	Compound Not Detected.					
29 Benzyl Alcohol	108	Compound Not Detected.					
30 2-Methylphenol	108	Compound Not Detected.					
31 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
37 Acetophenone	105	4.868	4.885	(1.067)	23590	0.60021	0.60021
32 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192 4-Methylphenol	108	Compound Not Detected.					
34 Hexachloroethane	117	Compound Not Detected.					
35 Nitrobenzene	77	Compound Not Detected.					
36 N-Nitrosopyrrolidine	100	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
41 Isophorone	82	Compound Not Detected.					
42 2-Nitrophenol	139	Compound Not Detected.					
43 2,4-Dimethylphenol	107	Compound Not Detected.					
44 bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
48 2,4-Dichlorophenol	162	Compound Not Detected.					
49 Benzoic Acid	122	Compound Not Detected.					
50 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51 Naphthalene	128	Compound Not Detected.					
52 4-Chloroaniline	127	Compound Not Detected.					
54 2,6-Dichlorophenol	162	Compound Not Detected.					
56 Hexachlorobutadiene	224	Compound Not Detected.					
208 Caprolactam	113	Compound Not Detected.					
59 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
62 2-Methylnaphthalene	142	Compound Not Detected.					
63 1-Methylnaphthalene	142	Compound Not Detected.					
64 Hexachlorocyclopentadiene	236	Compound Not Detected.					
65 1,2,4,5-Tetrachlorobenzene	215	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	Compound Not Detected.					
67 2,4,5-Trichlorophenol	196	Compound Not Detected.					
209 1,1'-Biphenyl	154	Compound Not Detected.					
70 2-Chloronaphthalene	162	Compound Not Detected.					
73 2-Nitroaniline	65	Compound Not Detected.					
76 Dimethylphthalate	163	Compound Not Detected.					
78 2,6-Dinitrotoluene	165	Compound Not Detected.					
79 Acenaphthylene	152	Compound Not Detected.					
81 3-Nitroaniline	138	Compound Not Detected.					
82 Acenaphthene	153	Compound Not Detected.					
83 2,4-Dinitrophenol	184	Compound Not Detected.					
85 4-Nitrophenol	109	Compound Not Detected.					
86 Dibenzofuran	168	Compound Not Detected.					
87 2,4-Dinitrotoluene	165	Compound Not Detected.					
91 2,3,5,6-Tetrachlorophenol	231	Compound Not Detected.					
88 2,3,4,6-Tetrachlorophenol	231	Compound Not Detected.					
92 2-Naphthylamine	143	Compound Not Detected.					
93 Diethylphthalate	149	7.198	7.219	(1.047)	8699	0.12481	0.12481
94 Fluorene	166	Compound Not Detected.					
95 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96 4-Nitroaniline	138	Compound Not Detected.					
98 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99 N-Nitrosodiphenylamine (1)	169	Compound Not Detected.					
100 1,2-Diphenylhydrazine	77	Compound Not Detected.					
106 4-Bromophenyl-phenylether	248	Compound Not Detected.					
107 Hexachlorobenzene	283	Compound Not Detected.					
210 Atrazine	200	Compound Not Detected.					
111 Pentachlorophenol	265	Compound Not Detected.					
115 Phenanthrene	178	Compound Not Detected.					
116 Anthracene	178	Compound Not Detected.					
119 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	8.448	8.469	(1.053)	25049	0.22625	0.22625
123 Fluoranthene	202	Compound Not Detected.					
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	Compound Not Detected.					
131 Butylbenzylphthalate	149	9.607	9.618	(0.953)	7812	0.23065	0.23065
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
136 Benzo(a)Anthracene	228	Compound Not Detected.					
137 Chrysene	228	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	10.045	10.050	(0.996)	16419	0.34224	0.34224
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	Compound Not Detected.					
142 Benzo(k)fluoranthene	252	Compound Not Detected.					
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
146 Benzo(a)pyrene	252	Compound Not Detected.					
149 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
150 Dibenz(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 154 Nitrobenzene-d5	82	4.981	4.997	(0.901)	744361	24.5019	24.502(M)
$ 155 2-Fluorobiphenyl	172	6.359	6.375	(0.925)	1718090	23.2885	23.288
$ 156 Terphenyl-d14	244	9.244	9.260	(0.917)	1916974	40.4753	40.475
$ 157 Phenol-d5	99	4.302	4.313	(0.943)	1239433	38.1909	38.191
$ 158 2-Fluorophenol	112	3.560	3.565	(0.780)	917106	34.7035	34.704
$ 159 2,4,6-Tribromophenol	330	7.486	7.508	(0.933)	282249	34.7334	34.733
$ 186 2-Chlorophenol-d4	132	4.393	4.404	(0.963)	1194350	35.5861	35.586
$ 187 1,2-Dichlorobenzene-d4	152	4.681	4.698	(1.026)	426299	17.7786	17.779

QC Flag Legend

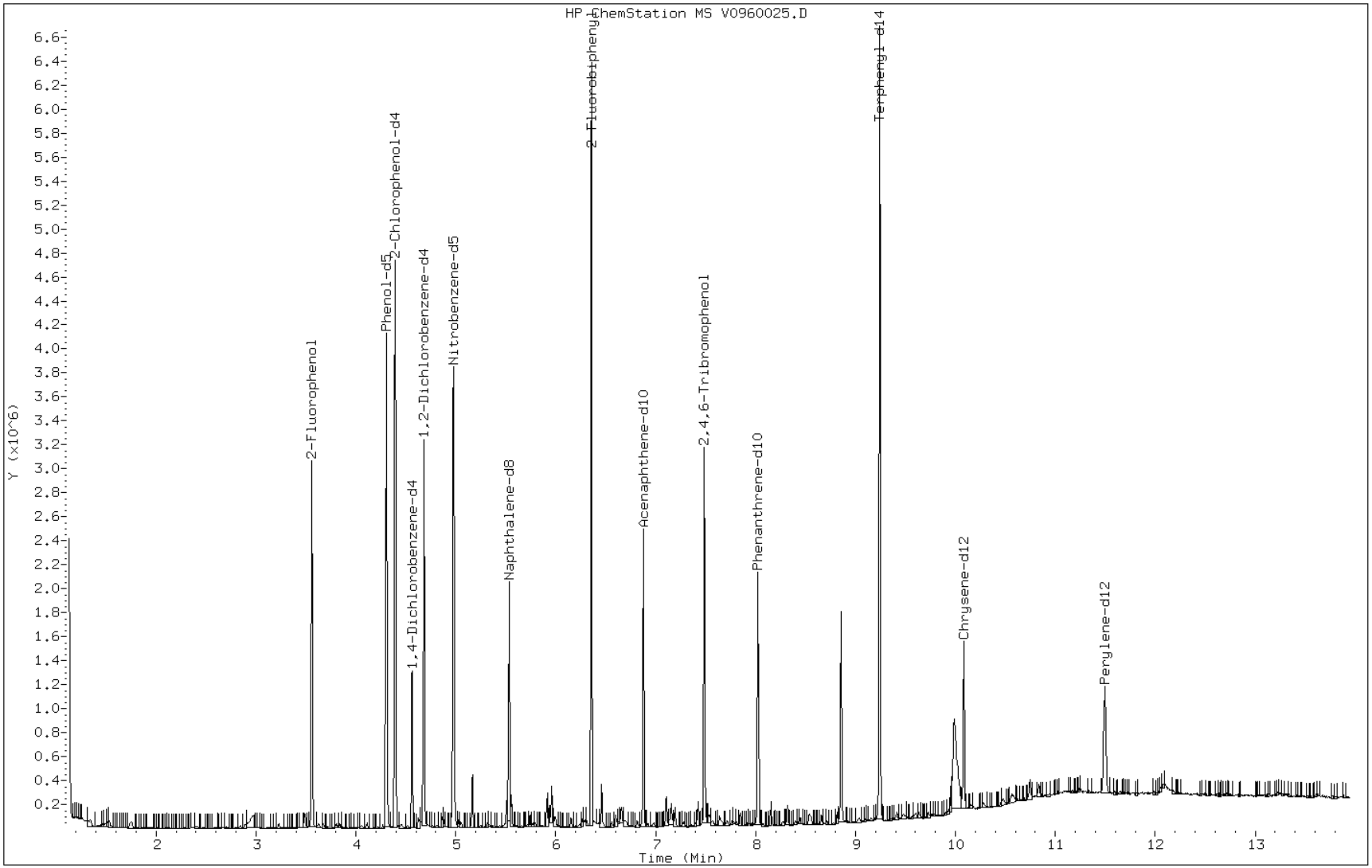
M - Compound response manually integrated.

Data File: V0960025.D

Date: 26-SEP-2012 22:55

Client ID: FB-2 Instrument: 731.i

Sample Info: 180-14634-B-12-A Operator: 003200



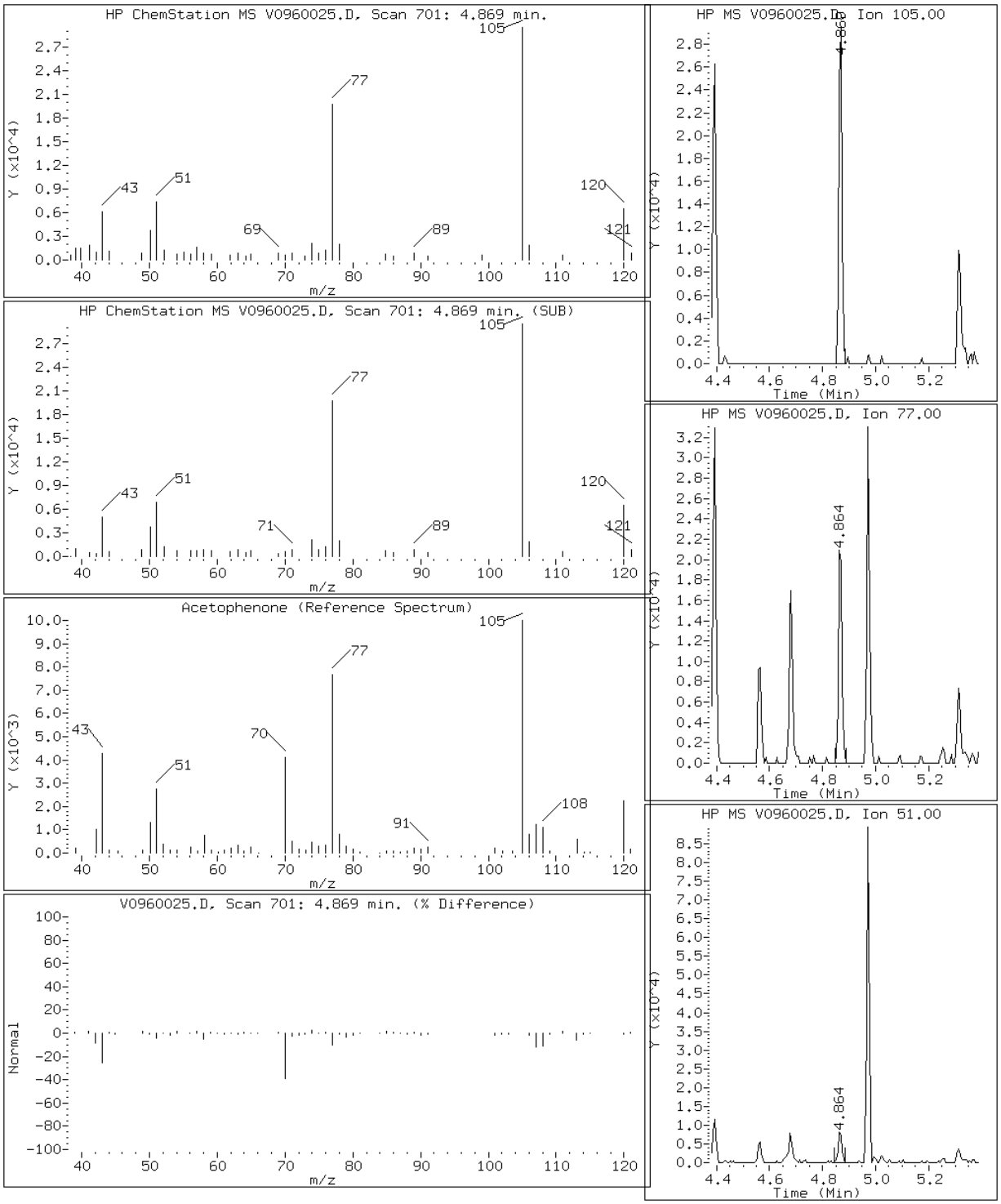
Data File: V0960025.D

Date: 26-SEP-2012 22:55

Client ID: FB-2 Instrument: 731.i

Sample Info: 180-14634-B-12-A Operator: 003200

37 Acetophenone



Manual Integration Report

Data File: V0960025.D
Inj. Date and Time: 26-SEP-2012 22:55
Instrument ID: 731.i
Client ID: FB-2
Compound: 154 Nitrobenzene-d5
CAS #: 4165-60-0
Report Date: 09/27/2012

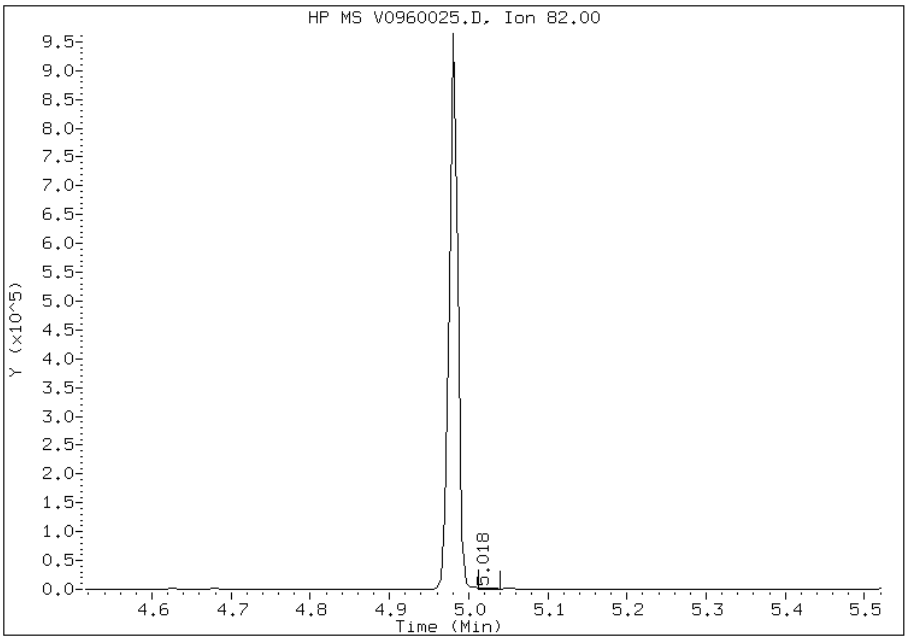
Processing Integration Results

RT: 5.02

Response: 3089

Amount: 0

Conc: 0



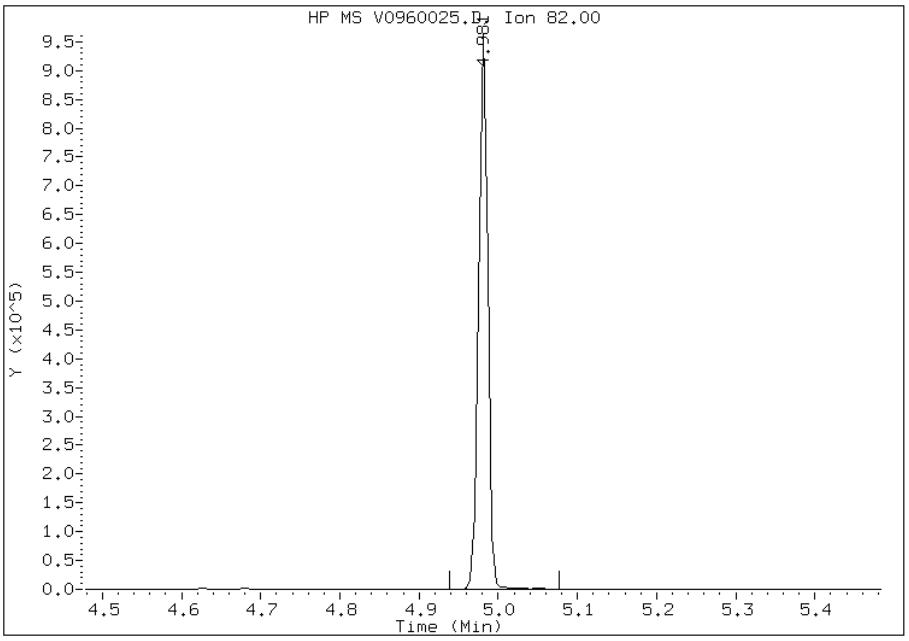
Manual Integration Results

RT: 4.98

Response: 744361

Amount: 25

Conc: 25



Manually Integrated By: piccolinov
Modification Date: 27-Sep-2012 06:16
Manual Integration Reason: Peak Not Found

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: TMP-3 | Lab Sample ID: 180-14634-13

Matrix: Water | Lab File ID: V0960026.D

Analysis Method: 8270C LL | Date Collected: 09/19/2012 14:20

Extract. Method: 3520C | Date Extracted: 09/25/2012 05:34

Sample wt/vol: 1010(mL) | Date Analyzed: 09/26/2012 23:19

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49849 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		0.20	0.014
208-96-8	Acenaphthylene	ND		0.20	0.015
98-86-2	Acetophenone	ND		0.99	0.079
120-12-7	Anthracene	ND		0.20	0.15
1912-24-9	Atrazine	ND		0.99	0.088
100-52-7	Benzaldehyde	ND		0.99	0.15
56-55-3	Benzo[a]anthracene	ND		0.20	0.015
205-99-2	Benzo[b]fluoranthene	ND		0.20	0.016
207-08-9	Benzo[k]fluoranthene	ND		0.20	0.054
191-24-2	Benzo[g,h,i]perylene	ND		0.20	0.015
50-32-8	Benzo[a]pyrene	ND		0.20	0.013
111-91-1	Bis(2-chloroethoxy)methane	ND		0.99	0.058
111-44-4	Bis(2-chloroethyl)ether	ND		0.20	0.025
117-81-7	Bis(2-ethylhexyl) phthalate	ND		2.0	1.2
85-68-7	Butyl benzyl phthalate	ND		0.99	0.14
92-52-4	1,1'-Biphenyl	ND		0.99	0.041
105-60-2	Caprolactam	ND		5.0	1.2
86-74-8	Carbazole	ND		0.20	0.016
218-01-9	Chrysene	ND		0.20	0.014
91-58-7	2-Chloronaphthalene	ND		0.20	0.015
95-57-8	2-Chlorophenol	ND		0.99	0.16
120-83-2	2,4-Dichlorophenol	ND		0.20	0.033
105-67-9	2,4-Dimethylphenol	ND		0.99	0.084
51-28-5	2,4-Dinitrophenol	ND		5.0	0.61
121-14-2	2,4-Dinitrotoluene	ND		0.99	0.053
606-20-2	2,6-Dinitrotoluene	ND		0.99	0.079
91-57-6	2-Methylnaphthalene	ND		0.20	0.012
95-48-7	2-Methylphenol	ND		0.99	0.085
88-74-4	2-Nitroaniline	ND		5.0	0.35
88-75-5	2-Nitrophenol	ND		0.99	0.17
108-60-1	2,2'-oxybis[1-chloropropane]	ND		0.20	0.020
95-95-4	2,4,5-Trichlorophenol	ND		0.99	0.15
88-06-2	2,4,6-Trichlorophenol	ND		0.99	0.17
100-01-6	4-Nitroaniline	ND		5.0	0.17

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: TMP-3 | Lab Sample ID: 180-14634-13

Matrix: Water | Lab File ID: V0960026.D

Analysis Method: 8270C LL | Date Collected: 09/19/2012 14:20

Extract. Method: 3520C | Date Extracted: 09/25/2012 05:34

Sample wt/vol: 1010(mL) | Date Analyzed: 09/26/2012 23:19

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49849 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	ND		5.0	0.64
7005-72-3	4-Chlorophenyl phenyl ether	ND		0.99	0.050
106-44-5	Methylphenol, 3 & 4	ND		0.99	0.089
534-52-1	4,6-Dinitro-2-methylphenol	ND		5.0	0.22
106-47-8	4-Chloroaniline	ND		0.99	0.088
59-50-7	4-Chloro-3-methylphenol	ND		0.99	0.075
101-55-3	4-Bromophenyl phenyl ether	ND		0.99	0.063
53-70-3	Dibenz(a,h)anthracene	ND		0.20	0.015
132-64-9	Dibenzofuran	ND		0.99	0.061
84-74-2	Di-n-butyl phthalate	ND		0.99	0.12
84-66-2	Diethyl phthalate	ND		0.99	0.14
131-11-3	Dimethyl phthalate	ND		0.99	0.076
117-84-0	Di-n-octyl phthalate	ND		0.99	0.20
91-94-1	3,3'-Dichlorobenzidine	ND		0.99	0.11
99-09-2	3-Nitroaniline	ND		5.0	0.32
206-44-0	Fluoranthene	ND		0.20	0.016
86-73-7	Fluorene	ND		0.20	0.021
118-74-1	Hexachlorobenzene	ND		0.20	0.018
87-68-3	Hexachlorobutadiene	ND		0.20	0.016
77-47-4	Hexachlorocyclopentadiene	ND		0.99	0.051
67-72-1	Hexachloroethane	ND		0.99	0.062
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.20	0.020
78-59-1	Isophorone	ND		0.99	0.064
91-20-3	Naphthalene	ND		0.20	0.014
98-95-3	Nitrobenzene	ND		2.0	0.083
86-30-6	N-Nitrosodiphenylamine	ND		0.99	0.084
621-64-7	N-Nitrosodi-n-propylamine	ND		0.20	0.030
129-00-0	Pyrene	ND		0.20	0.016
108-95-2	Phenol	ND		0.20	0.058
85-01-8	Phenanthrene	ND		0.20	0.042
87-86-5	Pentachlorophenol	ND		0.99	0.066
123-91-1	1,4-Dioxane	ND		2.0	0.14

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: TMP-3 | Lab Sample ID: 180-14634-13

Matrix: Water | Lab File ID: V0960026.D

Analysis Method: 8270C LL | Date Collected: 09/19/2012 14:20

Extract. Method: 3520C | Date Extracted: 09/25/2012 05:34

Sample wt/vol: 1010(mL) | Date Analyzed: 09/26/2012 23:19

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49849 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	59		16-122
321-60-8	2-Fluorobiphenyl	58		19-107
367-12-4	2-Fluorophenol	56		10-111
4165-60-0	Nitrobenzene-d5	59		23-112
4165-62-2	Phenol-d5	63		15-112
1718-51-0	Terphenyl-d14	97		10-132

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV092612.b\V0960026.D
Lab Smp Id: 180-14634-B-13-A Client Smp ID: TMP-3
Inj Date : 26-SEP-2012 23:19
Operator : 003200 Inst ID: 731.i
Smp Info : 180-14634-B-13-A
Misc Info : 180-14634-B-13-A
Comment :
Method : \\PITSVR06\D\chem\731.i\TV092612.b\T8270ll.m
Meth Date : 26-Sep-2012 13:25 piccolinov Quant Type: ISTD
Cal Date : 12-SEP-2012 13:48 Cal File: V0912IC8.D
Als bottle: 28
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: padepi.sub
Target Version: 4.14
Processing Host: PITPC-502

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 1 1,4-Dichlorobenzene-d4	152	4.562	4.580	(1.000)	183538	8.00000	
* 2 Naphthalene-d8	136	5.534	5.552	(1.000)	731060	8.00000	
* 3 Acenaphthene-d10	164	6.880	6.899	(1.000)	421709	8.00000	
* 4 Phenanthrene-d10	188	8.023	8.042	(1.000)	647466	8.00000	
* 5 Chrysene-d12	240	10.080	10.093	(1.000)	470196	8.00000	
* 6 Perylene-d12	264	11.491	11.514	(1.000)	481596	8.00000	
198 1,4-Dioxane	88	Compound Not Detected.					
10 N-Nitrosodimethylamine	74	Compound Not Detected.					
9 Pyridine	79	Compound Not Detected.					
16 Methyl methanesulfonate	80	Compound Not Detected.					
206 Benzaldehyde	77	Compound Not Detected.					
21 Aniline	93	Compound Not Detected.					
22 Phenol	94	Compound Not Detected.					
23 bis(2-Chloroethyl)ether	93	Compound Not Detected.					
24 2-Chlorophenol	128	Compound Not Detected.					
26 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					
28 1,2-Dichlorobenzene	146	Compound Not Detected.					
217 Indene	116	Compound Not Detected.					
29 Benzyl Alcohol	108	Compound Not Detected.					
30 2-Methylphenol	108	Compound Not Detected.					
31 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
37 Acetophenone	105	Compound Not Detected.					
32 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192 4-Methylphenol	108	Compound Not Detected.					
34 Hexachloroethane	117	Compound Not Detected.					
35 Nitrobenzene	77	Compound Not Detected.					
36 N-Nitrosopyrrolidine	100	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
41 Isophorone	82	Compound Not Detected.					
42 2-Nitrophenol	139	Compound Not Detected.					
43 2,4-Dimethylphenol	107	Compound Not Detected.					
44 bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
48 2,4-Dichlorophenol	162	Compound Not Detected.					
49 Benzoic Acid	122	5.310	5.349	(0.959)	1941	0.10627	0.10627
50 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51 Naphthalene	128	Compound Not Detected.					
52 4-Chloroaniline	127	Compound Not Detected.					
54 2,6-Dichlorophenol	162	Compound Not Detected.					
56 Hexachlorobutadiene	224	Compound Not Detected.					
208 Caprolactam	113	Compound Not Detected.					
59 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
62 2-Methylnaphthalene	142	Compound Not Detected.					
63 1-Methylnaphthalene	142	Compound Not Detected.					
64 Hexachlorocyclopentadiene	236	Compound Not Detected.					
65 1,2,4,5-Tetrachlorobenzene	215	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	Compound Not Detected.					
67 2,4,5-Trichlorophenol	196	Compound Not Detected.					
209 1,1'-Biphenyl	154	Compound Not Detected.					
70 2-Chloronaphthalene	162	Compound Not Detected.					
73 2-Nitroaniline	65	Compound Not Detected.					
76 Dimethylphthalate	163	Compound Not Detected.					
78 2,6-Dinitrotoluene	165	Compound Not Detected.					
79 Acenaphthylene	152	Compound Not Detected.					
81 3-Nitroaniline	138	Compound Not Detected.					
82 Acenaphthene	153	Compound Not Detected.					
83 2,4-Dinitrophenol	184	Compound Not Detected.					
85 4-Nitrophenol	109	Compound Not Detected.					
86 Dibenzofuran	168	Compound Not Detected.					
87 2,4-Dinitrotoluene	165	Compound Not Detected.					
91 2,3,5,6-Tetrachlorophenol	231	Compound Not Detected.					
88 2,3,4,6-Tetrachlorophenol	231	Compound Not Detected.					
92 2-Naphthylamine	143	Compound Not Detected.					
93 Diethylphthalate	149	Compound Not Detected.					
94 Fluorene	166	Compound Not Detected.					
95 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96 4-Nitroaniline	138	Compound Not Detected.					
98 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99 N-Nitrosodiphenylamine (1)	169	Compound Not Detected.					
100 1,2-Diphenylhydrazine	77	Compound Not Detected.					
106 4-Bromophenyl-phenylether	248	Compound Not Detected.					
107 Hexachlorobenzene	283	Compound Not Detected.					
210 Atrazine	200	Compound Not Detected.					
111 Pentachlorophenol	265	Compound Not Detected.					
115 Phenanthrene	178	Compound Not Detected.					
116 Anthracene	178	Compound Not Detected.					
119 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	Compound Not Detected.					
123 Fluoranthene	202	Compound Not Detected.					
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	Compound Not Detected.					
131 Butylbenzylphthalate	149	9.605	9.618	(0.953)	7786	0.24151	0.24151
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					

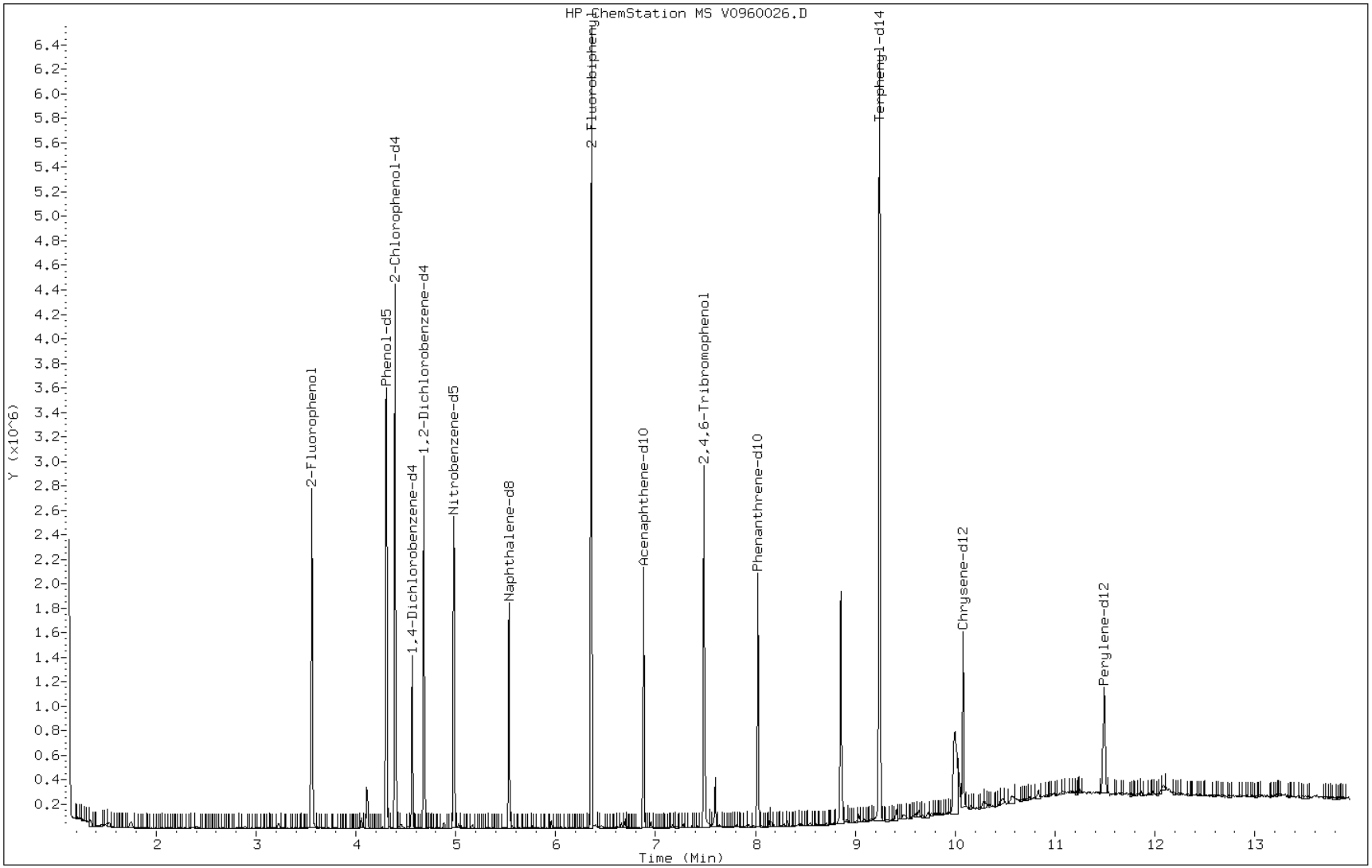
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
136 Benzo(a)Anthracene	228	Compound Not Detected.					
137 Chrysene	228	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	10.037	10.050	(0.996)	31084	0.68069	0.68069
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	Compound Not Detected.					
142 Benzo(k)fluoranthene	252	Compound Not Detected.					
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
146 Benzo(a)pyrene	252	Compound Not Detected.					
149 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
150 Dibenz(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 154 Nitrobenzene-d5	82	4.978	4.997	(0.900)	657530	23.4962	23.496
$ 155 2-Fluorobiphenyl	172	6.357	6.375	(0.924)	1627157	23.3337	23.334
$ 156 Terphenyl-d14	244	9.241	9.260	(0.917)	1754209	38.9122	38.912
$ 157 Phenol-d5	99	4.305	4.313	(0.944)	1131236	37.5919	37.592
$ 158 2-Fluorophenol	112	3.557	3.565	(0.780)	830101	33.8757	33.876
$ 159 2,4,6-Tribromophenol	330	7.484	7.508	(0.933)	267035	35.5127	35.513
$ 186 2-Chlorophenol-d4	132	4.391	4.404	(0.963)	1123123	36.0894	36.089
$ 187 1,2-Dichlorobenzene-d4	152	4.679	4.698	(1.026)	425806	19.1513	19.151

Data File: V0960026.D

Date: 26-SEP-2012 23:19

Client ID: TMP-3 Instrument: 731.i

Sample Info: 180-14634-B-13-A Operator: 003200



FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 48209

SDG No.:

Instrument ID: 731 GC Column: Rxi-5SilMS ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2012 11:01 Calibration End Date: 09/12/2012 13:48 Calibration ID: 6629

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-48209/3	V0912IC1.D
Level 2	IC 180-48209/4	V0912IC2.D
Level 3	ICIS 180-48209/1	V09120CC.D
Level 4	IC 180-48209/5	V0912IC4.D
Level 5	IC 180-48209/6	V0912IC5.D
Level 6	IC 180-48209/7	V0912IC6.D
Level 7	IC 180-48209/8	V0912IC7.D
Level 8	IC 180-48209/9	V0912IC8.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	0.2853 0.2930	0.3487 0.3120	0.3241 0.3017	0.3270	0.3177	Ave		0.3137				6.5		15.0			
N-Nitrosodimethylamine	0.4311 0.4355	0.4953 0.4360	0.4364 0.4302	0.4749	0.4502	Ave		0.4487				5.3		15.0			
Pyridine	0.6606 0.7910	0.9370 0.7827	0.8418 0.7490	0.8864	0.8575	Ave		0.8132				10.6		15.0			
Methyl methanesulfonate	0.5527 0.4543	0.5508 0.4557	0.5196 0.4275	0.5146	0.4949	Ave		0.4963				9.4		15.0			
Benzaldehyde	0.5375 0.6232	0.5109 +++++	0.6286 +++++	0.7442	0.6767	Ave		0.6202				14.0		15.0			
Phenol	1.6624 1.4571	1.6707 1.4953	1.6286 1.3902	1.5639	1.5201	Ave		1.5485				6.5		30.0			
Aniline	1.5960 1.4441	1.6926 1.3903	1.5026 1.3396	1.6023	1.5344	Ave		1.5127				7.8		15.0			
Bis(2-chloroethyl)ether	1.1297 0.9736	1.1343 1.0343	1.1269 0.9768	1.0515	1.0153	Ave		1.0553				6.4		15.0			
2-Chlorophenol	1.3442 1.2929	1.3841 1.3444	1.4502 1.2815	1.3643	1.3207	Ave		1.3478				4.0		15.0			
1,3-Dichlorobenzene	1.7345 1.5403	1.6953 1.6115	1.6354 1.5248	1.5910	1.5499	Ave		1.6103				4.7		15.0			
1,4-Dichlorobenzene	1.7123 1.5824	1.7017 1.6260	1.6979 1.5969	1.6379	1.6399	Ave		1.6494				3.0		30.0			
Benzyl alcohol	0.8232 0.7601	0.7933 0.8046	0.8755 0.7501	0.8149	0.7772	Ave		0.7999				5.0		15.0			
1,2-Dichlorobenzene	1.7973 1.4805	1.6642 1.5778	1.5589 1.5193	1.5618	1.5708	Ave		1.5913				6.2		15.0			
2-Methylphenol	1.2442 1.0759	1.2378 1.1361	1.1718 1.0632	1.1805	1.1000	Ave		1.1512				6.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 48209

SDG No.:

Instrument ID: 731 GC Column: Rxi-5SilMS ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2012 11:01 Calibration End Date: 09/12/2012 13:48 Calibration ID: 6629

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Indene	2.1393 2.0432	2.2608 2.1209	2.1922 2.0442	2.1337	2.0818	Ave		2.1270				3.5		15.0			
2,2'-oxybis[1-chloropropane]	1.6411 1.4398	1.6036 1.4759	1.5990 1.3855	1.5325	1.4574	Ave		1.5168				6.0		15.0			
N-Nitrosopyrrolidine	0.4331 0.4506	0.4704 0.4783	0.5040 0.4505	0.4674	0.4713	Ave		0.4657				4.6		15.0			
Acetophenone	+++++ 1.4734	1.8488 1.5150	1.6880 1.4477	1.5998	1.5467	Ave		1.5885				8.8		15.0			
Methylphenol, 3 & 4	1.0980 1.0558	1.2046 1.1058	1.1849 1.0376	1.1173	1.1099	Ave		1.1142				5.1		15.0			
N-Nitrosodi-n-propylamine	0.7814 0.6928	0.8211 0.7166	0.8171 0.6863	0.7430	0.7186	Ave		0.7471			0.0500	7.1		15.0			
Hexachloroethane	0.7315 0.6216	0.6874 0.6446	0.6543 0.6208	0.6454	0.6330	Ave		0.6548				5.7		15.0			
Nitrobenzene	0.3254 0.2984	0.3132 0.3123	0.3332 0.3023	0.3068	0.2939	Ave		0.3107				4.3		15.0			
Isophorone	0.5261 0.5095	0.5001 0.5182	0.5261 0.5037	0.4969	0.4973	Ave		0.5097				2.4		15.0			
2-Nitrophenol	0.1797 0.1934	0.1804 0.2036	0.1933 0.2034	0.1895	0.1871	Ave		0.1913				4.8		30.0			
2,4-Dimethylphenol	0.2921 0.3076	0.3008 0.3253	0.3282 0.3029	0.3113	0.3025	Ave		0.3088				4.0		15.0			
Benzoic acid	0.1647 0.2124	0.1747 0.2212	0.2088 0.2169	0.2001	0.2002	Ave		0.1999				10.1		15.0			
Bis(2-chloroethoxy)methane	0.3158 0.3300	0.3233 0.3469	0.3426 0.3319	0.3315	0.3197	Ave		0.3302				3.2		15.0			
2,4-Dichlorophenol	0.2873 0.2949	0.2768 0.3080	0.3107 0.2946	0.2902	0.2840	Ave		0.2933				3.9		30.0			
1,2,4-Trichlorobenzene	0.3791 0.3538	0.3533 0.3690	0.3565 0.3697	0.3579	0.3419	Ave		0.3601				3.3		15.0			
Naphthalene	1.0405 1.0221	1.0122 1.0786	1.0525 1.0488	1.0042	0.9669	Ave		1.0282				3.4		15.0			
4-Chloroaniline	0.3811 0.3987	0.3831 0.4020	0.4046 0.3924	0.4050	0.3925	Ave		0.3949				2.4		15.0			
2,6-Dichlorophenol	0.2621 0.2760	0.2660 0.2933	0.2926 0.2802	0.2819	0.2670	Ave		0.2774				4.3		15.0			
Hexachlorobutadiene	0.2055 0.2006	0.2133 0.2118	0.2074 0.2099	0.2004	0.1921	Ave		0.2051				3.5		30.0			
Caprolactam	0.0582 0.0801	0.0637 0.0838	0.0780 0.0803	0.0810	0.0784	Ave		0.0754				12.3		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 48209

SDG No.:

Instrument ID: 731 GC Column: Rxi-5SilMS ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2012 11:01 Calibration End Date: 09/12/2012 13:48 Calibration ID: 6629

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
4-Chloro-3-methylphenol	0.2415 0.2639	0.2552 0.2727	0.2870 0.2595	0.2560	0.2531	Ave		0.2611				5.3		30.0			
2-Methylnaphthalene	0.6975 0.6993	0.6906 0.7276	0.7037 0.7100	0.6920	0.6598	Ave		0.6976				2.8		15.0			
1-Methylnaphthalene	0.6324 0.6477	0.6603 0.6792	0.6799 0.6671	0.6419	0.6285	Ave		0.6546				3.1		15.0			
Hexachlorocyclopentadiene	0.3639 0.4153	0.3733 0.4380	0.3853 0.4291	0.3768	0.3852	Ave		0.3959			0.0500	7.0		15.0			
1,2,4,5-Tetrachlorobenzene	0.6176 0.6145	0.5968 0.6111	0.5737 0.6180	0.5907	0.5710	Ave		0.5992				3.2		15.0			
2,4,6-Trichlorophenol	0.3938 0.4074	0.3992 0.4378	0.3914 0.4350	0.4027	0.3858	Ave		0.4067				4.8		30.0			
2,4,5-Trichlorophenol	0.4306 0.4400	0.4261 0.4561	0.4486 0.4464	0.4172	0.4183	Ave		0.4354				3.3		15.0			
1,1'-Biphenyl	1.5685 1.4970	1.4730 1.5265	1.4558 1.5774	1.3957	1.4333	Ave		1.4909				4.3		15.0			
2-Chloronaphthalene	1.2104 1.2305	1.2190 1.2632	1.1999 1.2975	1.1786	1.1919	Ave		1.2239				3.2		15.0			
2-Nitroaniline	0.2783 0.2817	0.2888 0.2909	0.2926 0.2831	0.2852	0.2823	Ave		0.2854				1.7		15.0			
Dimethyl phthalate	1.3099 1.2595	1.2411 1.2954	1.2188 1.3057	1.2063	1.2171	Ave		1.2567				3.4		15.0			
2,6-Dinitrotoluene	0.2312 0.2924	0.2617 0.3040	0.2766 0.2978	0.2795	0.2703	Ave		0.2767				8.4		15.0			
Acenaphthylene	1.8753 1.8353	1.7706 1.8910	1.7505 1.8573	1.7090	1.7094	Ave		1.7998				4.1					
3-Nitroaniline	0.2680 0.3307	0.3036 0.3391	0.3106 0.3282	0.3207	0.3112	Ave		0.3140				7.0		15.0			
Acenaphthene	1.1969 1.1813	1.1455 1.2150	1.1639 1.2194	1.1224	1.1110	Ave		1.1694				3.5		30.0			
2,4-Dinitrophenol	0.1449 0.1913	0.1524 0.2036	0.1764 0.2075	0.1686	0.1807	Ave		0.1782			0.0500	12.7		15.0			
4-Nitrophenol	0.1449 0.1667	0.1564 0.1669	0.1566 0.1682	0.1632	0.1615	Ave		0.1605			0.0500	4.8		15.0			
2,4-Dinitrotoluene	0.3381 0.3861	0.3533 0.4039	0.3590 0.3996	0.3794	0.3749	Ave		0.3743				6.1		15.0			
Dibenzofuran	1.7633 1.6859	1.6666 1.7544	1.6830 1.7838	1.6241	1.6348	Ave		1.6995				3.6		15.0			
2,3,5,6-Tetrachlorophenol	0.2948 0.3433	0.3042 0.3627	0.3214 0.3698	0.3161	0.3308	Ave		0.3304				8.1		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 48209

SDG No.:

Instrument ID: 731 GC Column: Rxi-5SilMS ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2012 11:01 Calibration End Date: 09/12/2012 13:48 Calibration ID: 6629

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2,3,4,6-Tetrachlorophenol	0.3216 0.3326	0.3147 0.3423	0.3172 0.3550	0.3233	0.3229	Ave		0.3287				4.2		15.0			
2-Naphthylamine	0.5946 0.3868	0.6024 +++++	0.3504 +++++	0.5175	0.4467	Qua	0.0518	1.6357	0.4780					15.0	0.9982		0.9900
Diethyl phthalate	1.3042 1.2716	1.1747 1.3031	1.2347 1.2521	1.2503	1.2074	Ave		1.2498				3.6		15.0			
4-Chlorophenyl phenyl ether	0.6273 0.6690	0.6307 0.6924	0.6641 0.7078	0.6421	0.6592	Ave		0.6616				4.3		15.0			
Fluorene	1.3337 1.4195	1.3276 1.4462	1.3058 1.4148	1.3124	1.3220	Ave		1.3603				4.2		15.0			
4-Nitroaniline	0.2894 0.3473	0.3112 0.3516	0.3323 0.3504	0.3163	0.3337	Ave		0.3290				6.7		15.0			
4,6-Dinitro-2-methylphenol	+++++ 0.1448	0.1158 0.1541	0.1340 0.1562	0.1396	0.1445	Ave		0.1413				9.6		15.0			
N-Nitrosodiphenylamine	0.5327 0.5256	0.5159 0.5501	0.5316 0.5445	0.4969	0.5271	Ave		0.5280				3.1		30.0			
1,2-Diphenylhydrazine(as Azobenzene)	0.7571 0.7049	0.7006 0.7143	0.7157 0.7118	0.6964	0.6864	Ave		0.7109				3.0		15.0			
4-Bromophenyl phenyl ether	0.1835 0.2214	0.2161 0.2412	0.2219 0.2408	0.2157	0.2278	Ave		0.2211				8.2		15.0			
Hexachlorobenzene	0.1941 0.2321	0.2185 0.2431	0.2177 0.2393	0.2120	0.2186	Ave		0.2219				7.2		15.0			
Atrazine	0.1119 0.1220	0.1231 +++++	0.0883 +++++	0.1289	0.1339	Qua	0.0887	6.5554	2.4212					15.0	0.9985		0.9900
Pentachlorophenol	0.1539 0.1617	0.1533 0.1764	0.1504 0.1801	0.1517	0.1656	Ave		0.1617				7.1		30.0			
Phenanthrene	1.1100 1.1834	1.1600 1.2341	1.1740 1.2086	1.1126	1.1479	Ave		1.1663				3.7		15.0			
Anthracene	1.1407 1.2150	1.1554 1.2612	1.1608 1.2307	1.1201	1.1779	Ave		1.1827				4.1		15.0			
Carbazole	1.0456 1.0079	1.0217 1.0806	0.9990 1.0437	0.9731	0.9783	Ave		1.0187				3.6		15.0			
Di-n-butyl phthalate	1.2089 1.2996	1.2327 1.3334	1.2320 1.3142	1.2289	1.2768	Ave		1.2658				3.7		15.0			
Fluoranthene	1.2024 1.2130	1.1620 1.2955	1.1927 1.2943	1.1521	1.1995	Ave		1.2139				4.4		30.0			
Benzidine	+++++ 0.3487	0.2385 0.3213	0.2476 0.3344	0.3370	0.3372	Ave		0.3092				14.9		15.0			
Pyrene	1.2886 1.2681	1.2468 1.2608	1.3476 1.2461	1.2571	1.2244	Ave		1.2674				2.9		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 48209

SDG No.:

Instrument ID: 731 GC Column: Rxi-5SilMS ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2012 11:01 Calibration End Date: 09/12/2012 13:48 Calibration ID: 6629

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Butyl benzyl phthalate	0.5363 0.5596	0.5134 0.5575	0.5679 0.5568	0.5489	0.5476	Ave		0.5485				3.1		15.0			
3,3'-Dichlorobenzidine	0.3162 0.4270	0.3490 0.4487	0.3898 0.4510	0.3959	0.4112	Ave		0.3986				11.8		15.0			
Bis(2-ethylhexyl) phthalate	0.8070 0.7735	0.7307 0.8137	0.7660 0.7992	0.7573	0.7684	Ave		0.7770				3.6		15.0			
Benzo[a]anthracene	1.1862 1.1653	1.1245 1.2129	1.1821 1.1910	1.1132	1.1397	Ave		1.1644				3.0		15.0			
Chrysene	1.0251 1.0969	1.0515 1.1546	1.0633 1.1894	1.0192	1.0685	Ave		1.0836				5.6		15.0			
Di-n-octyl phthalate	1.1337 1.3461	1.2176 1.4045	1.4080 1.3447	1.3392	1.3230	Ave		1.3146				7.1		30.0			
7,12-Dimethylbenz(a)anthracene	0.5023 0.5513	0.5106 0.5871	0.5769 0.5744	0.5190	0.5333	Ave		0.5444				6.0		15.0			
Benzo[b]fluoranthene	1.3878 1.2734	1.3264 1.3233	1.2537 1.3418	1.2993	1.2334	Ave		1.3049				3.9		15.0			
Benzo[k]fluoranthene	1.2346 1.3381	1.2501 1.4081	1.3300 1.3808	1.2245	1.2427	Ave		1.3011				5.5		15.0			
Benzo[a]pyrene	0.8642 0.9883	0.9502 1.0496	0.9914 1.0418	0.9747	0.9663	Ave		0.9783				5.9		30.0			
Indeno[1,2,3-cd]pyrene	1.0263 1.2473	1.1383 1.3253	1.1883 1.3107	1.1655	1.1908	Ave		1.1991				8.1		15.0			
Dibenz(a,h)anthracene	0.9368 1.0520	0.9621 1.1144	1.0036 1.1165	0.9931	1.0050	Ave		1.0229				6.5		15.0			
Benzo[g,h,i]perylene	0.8751 1.0479	0.9500 1.1040	0.9822 1.0987	0.9945	0.9990	Ave		1.0064				7.6		15.0			
2-Fluorophenol	1.0647 1.0326	1.1778 1.0535	1.0807 0.9950	1.0809	1.0596	Ave		1.0681				4.9		15.0			
Phenol-d5	1.3347 1.2547	1.4178 1.2630	1.3694 1.2210	1.3388	1.2938	Ave		1.3117				5.0		15.0			
Nitrobenzene-d5	0.2886 0.2991	0.3206 0.3108	0.3194 0.3051	0.3075	0.2989	Ave		0.3062				3.5		15.0			
2-Fluorobiphenyl	1.4187 1.3117	1.2877 1.3842	1.2783 1.4003	1.2501	1.2521	Ave		1.3229				5.2		15.0			
2,4,6-Tribromophenol	0.0734 0.1030	0.0832 0.1050	0.0916 0.1053	0.0874	0.0945	Ave		0.0929				12.3		15.0			
Terphenyl-d14	0.7922 0.7674	0.7446 0.7655	0.8003 0.7719	0.7466	0.7476	Ave		0.7670				2.7		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 48209

SDG No.:

Instrument ID: 731 GC Column: Rxi-5SilMS ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2012 11:01 Calibration End Date: 09/12/2012 13:48 Calibration ID: 6629

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-48209/3	V0912IC1.D
Level 2	IC 180-48209/4	V0912IC2.D
Level 3	ICIS 180-48209/1	V09120CC.D
Level 4	IC 180-48209/5	V0912IC4.D
Level 5	IC 180-48209/6	V0912IC5.D
Level 6	IC 180-48209/7	V0912IC6.D
Level 7	IC 180-48209/8	V0912IC7.D
Level 8	IC 180-48209/9	V0912IC8.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCB	Ave	2417 269184	14013 347336	25083 455473	66517	142126	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
N-Nitrosodimethylamine	DCB	Ave	3653 400120	19906 485455	33778 649324	96603	201390	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Pyridine	DCB	Ave	5597 726685	37653 871419	65150 1130644	180297	383591	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Methyl methanesulfonate	DCB	Ave	4683 417343	22135 507371	40216 645346	104679	221381	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Benzaldehyde	DCB	Ave	4554 572553	20531 +++++	48652 +++++	151382	302691	0.400 40.0	2.00 +++++	4.00 +++++	10.0	20.0
Phenol	DCB	Ave	14085 1338732	67141 1664925	126044 2098392	318092	679975	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Aniline	DCB	Ave	13523 1326718	68021 1547947	116292 2022073	325919	686378	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Bis(2-chloroethyl)ether	DCB	Ave	9572 894511	45583 1151640	87220 1474424	213883	454160	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2-Chlorophenol	DCB	Ave	11389 1187855	55623 1496918	112238 1934386	277506	590787	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
1,3-Dichlorobenzene	DCB	Ave	14696 1415139	68129 1794282	126572 2301669	323623	693312	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
1,4-Dichlorobenzene	DCB	Ave	14508 1453772	68384 1810403	131412 2410465	333146	733565	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Benzyl alcohol	DCB	Ave	6975 698359	31881 895870	67758 1132233	165761	347652	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
1,2-Dichlorobenzene	DCB	Ave	15228 1360184	66877 1756773	120649 2293381	317678	702669	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2-Methylphenol	DCB	Ave	10542 988511	49744 1264903	90695 1604842	240116	492050	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Indene	DCB	Ave	18126 1877188	90855 2361382	169664 3085631	434006	931255	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 48209

SDG No.:

Instrument ID: 731 GC Column: Rxi-5SilMS ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2012 11:01 Calibration End Date: 09/12/2012 13:48 Calibration ID: 6629

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2,2'-oxybis[1-chloropropane]	DCB	Ave	13905 1322829	64442 1643318	123754 2091325	311721	651915	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
N-Nitrosopyrrolidine	DCB	Ave	3670 414010	18902 532597	39005 679946	95069	210837	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Acetophenone	DCB	Ave	+++++ 1353695	74297 1686803	130644 2185302	325412	691875	+++++ 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Methylphenol, 3 & 4	DCB	Ave	9303 970034	48409 1231196	91702 1566191	227252	496493	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
N-Nitrosodi-n-propylamine	DCB	Ave	6621 636482	32999 797828	63242 1035976	151132	321452	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Hexachloroethane	DCB	Ave	6198 571089	27626 717706	50643 937109	131274	283139	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Nitrobenzene	NPT	Ave	11312 1037172	51547 1316036	102122 1712074	245562	527935	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Isophorone	NPT	Ave	18289 1770959	82317 2183344	161251 2852546	397750	893266	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2-Nitrophenol	NPT	Ave	6249 672407	29686 857708	59240 1151731	151661	336097	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2,4-Dimethylphenol	NPT	Ave	10155 1069043	49518 1370687	100600 1715598	249171	543463	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Benzoic acid	NPT	Ave	28629 738176	57519 931815	160009 1228656	320303	539381	2.00 40.0	4.00 60.0	10.0 80.0	20.0	30.0
Bis(2-chloroethoxy)methane	NPT	Ave	10978 1146885	53211 1461504	104998 1879579	265313	574251	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2,4-Dichlorophenol	NPT	Ave	9990 1025134	45564 1297933	95236 1668676	232257	510178	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
1,2,4-Trichlorobenzene	NPT	Ave	13181 1229651	58151 1554735	109261 2093555	286458	614091	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Naphthalene	NPT	Ave	36173 3552873	166611 4544476	322606 5939796	803827	1736902	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
4-Chloroaniline	NPT	Ave	13250 1385682	63051 1693936	124016 2222447	324197	704984	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2,6-Dichlorophenol	NPT	Ave	9112 959282	43783 1235589	89684 1586692	225614	479604	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Hexachlorobutadiene	NPT	Ave	7143 697150	35106 892491	63583 1188558	160409	345139	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Caprolactam	NPT	Ave	2022 278356	10477 353251	23897 454921	64846	140814	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
4-Chloro-3-methylphenol	NPT	Ave	8397 917284	42009 1149025	87960 1469678	204948	454635	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2-Methylnaphthalene	NPT	Ave	24248 2430684	113666 3065750	215696 4021136	553875	1185256	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 48209

SDG No.:

Instrument ID: 731 GC Column: Rxi-5SilMS ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2012 11:01 Calibration End Date: 09/12/2012 13:48 Calibration ID: 6629

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1-Methylnaphthalene	NPT	Ave	21986 2251301	108681 2861662	208406 3778232	513786	1129008	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Hexachlorocyclopentadiene	ANT	Ave	6744 805860	32743 1039831	68791 1324169	168751	382488	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
1,2,4,5-Tetrachlorobenzene	ANT	Ave	11445 1192237	52344 1450902	102420 1907233	264521	566958	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2,4,6-Trichlorophenol	ANT	Ave	7299 790533	35018 1039504	69885 1342336	180353	383031	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2,4,5-Trichlorophenol	ANT	Ave	7981 853745	37378 1082963	80087 1377778	186863	415290	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
1,1'-Biphenyl	ANT	Ave	29068 2904581	129205 3624423	259915 4868019	625048	1423017	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2-Chloronaphthalene	ANT	Ave	22432 2387517	106920 2999349	214219 4004270	527833	1183433	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2-Nitroaniline	ANT	Ave	5158 546664	25328 690622	52238 873789	127714	280262	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Dimethyl phthalate	ANT	Ave	24275 2443874	108857 3075610	217590 4029510	540250	1208416	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2,6-Dinitrotoluene	ANT	Ave	4284 567330	22951 721703	49387 919174	125170	268367	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Acenaphthylene	ANT	Ave	34754 3561066	155308 4489890	312527 5731806	765361	1697207	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
3-Nitroaniline	ANT	Ave	4966 641672	26628 805116	55446 1012991	143640	308943	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Acenaphthene	ANT	Ave	22182 2292165	100479 2884787	207785 3763221	502667	1103050	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2,4-Dinitrophenol	ANT	Ave	13424 371240	26735 483439	78711 640478	151047	269188	2.00 40.0	4.00 60.0	10.0 80.0	20.0	30.0
4-Nitrophenol	ANT	Ave	13430 323524	27431 396206	69903 518988	146132	240503	2.00 40.0	4.00 60.0	10.0 80.0	20.0	30.0
2,4-Dinitrotoluene	ANT	Ave	6265 749179	30989 959031	64098 1233286	169905	372240	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Dibenzofuran	ANT	Ave	32678 3271087	146181 4165387	300471 5505073	727346	1623118	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2,3,5,6-Tetrachlorophenol	ANT	Ave	5463 666043	26682 861067	57381 1141224	141563	328435	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2,3,4,6-Tetrachlorophenol	ANT	Ave	5961 645411	27606 812671	56624 1095562	144794	320584	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2-Naphthylamine	ANT	Qua	11019 750457	52838 +++++	62561 +++++	231769	443469	0.400 40.0	2.00 +++++	4.00 +++++	10.0	20.0
Diethyl phthalate	ANT	Ave	24170 2467300	103039 3094041	220440 3864207	559934	1198732	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 48209

SDG No.:

Instrument ID: 731 GC Column: Rxi-5SilMS ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2012 11:01 Calibration End Date: 09/12/2012 13:48 Calibration ID: 6629

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
4-Chlorophenyl phenyl ether	ANT	Ave	11625 1298058	55319 1644073	118565 2184208	287559	654482	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Fluorene	ANT	Ave	24717 2754362	116450 3433831	233130 4366071	587769	1312609	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
4-Nitroaniline	ANT	Ave	5364 673829	27295 834805	59332 1081362	141674	331330	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
4,6-Dinitro-2-methylphenol	PHN	Ave	+++++ 482794	33511 619871	98260 822963	210479	360427	+++++ 40.0	4.00 60.0	10.0 80.0	20.0	30.0
N-Nitrosodiphenylamine	PHN	Ave	16754 1752910	74621 2212566	155907 2869607	374611	876239	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
1,2-Diphenylhydrazine(as Azobenzene)	PHN	Ave	23811 2350812	101336 2872944	209890 3751245	525007	1141141	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
4-Bromophenyl phenyl ether	PHN	Ave	5772 738414	31259 970048	65073 1269316	162643	378671	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Hexachlorobenzene	PHN	Ave	6104 774030	31609 977994	63835 1261060	159851	363483	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Atrazine	PHN	Qua	3518 406771	17808 +++++	25896 +++++	97173	222564	0.400 40.0	2.00 +++++	4.00 +++++	10.0	20.0
Pentachlorophenol	PHN	Ave	24209 539206	44337 709433	110303 949339	228779	413089	2.00 40.0	4.00 60.0	10.0 80.0	20.0	30.0
Phenanthrene	PHN	Ave	34911 3946692	167773 4963961	344301 6369545	838847	1908476	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Anthracene	PHN	Ave	35877 4051950	167109 5072735	340425 6486296	844507	1958201	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Carbazole	PHN	Ave	32884 3361242	147769 4346541	292963 5500482	733643	1626484	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Di-n-butyl phthalate	PHN	Ave	38021 4334048	178288 5363148	361304 6926121	926479	2122733	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Fluoranthene	PHN	Ave	37817 4045075	168065 5210835	349765 6821145	868579	1994126	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Benzidine	CRY	Ave	+++++ 1145553	34231 1325250	65235 1822850	239885	555454	+++++ 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Pyrene	CRY	Ave	37962 4166057	178965 5200852	355025 6791762	894914	2016713	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Butyl benzyl phthalate	CRY	Ave	15800 1838495	73698 2299740	149619 3034712	390797	901911	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
3,3'-Dichlorobenzidine	CRY	Ave	9314 1402825	50101 1850874	102689 2458195	281843	677345	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	23773 2541219	104882 3356653	201796 4355799	539103	1265558	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Benzo[a]anthracene	CRY	Ave	34944 3828416	161408 5003268	311435 6491571	792471	1877135	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 48209

SDG No.:

Instrument ID: 731 GC Column: Rxi-5SilMS ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2012 11:01 Calibration End Date: 09/12/2012 13:48 Calibration ID: 6629

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chrysene	CRY	Ave	30199 3603704	150936 4762780	280139 6482767	725601	1759847	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Di-n-octyl phthalate	PRY	Ave	32808 4593422	171581 6046336	353009 7960875	937636	2282378	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
7,12-Dimethylbenz(a)anthracene	PRY	Ave	14535 1881167	71951 2527622	144639 3400440	363414	919966	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Benzo[b]fluoranthene	PRY	Ave	40161 4345513	186915 5696899	314323 7943369	909684	2127783	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Benzo[k]fluoranthene	PRY	Ave	35729 4566315	176160 6062107	333438 8174630	857363	2143849	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Benzo[a]pyrene	PRY	Ave	25010 3372360	133901 4518708	248546 6167658	682410	1667054	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Indeno[1,2,3-cd]pyrene	PRY	Ave	29700 4256390	160401 5705482	297915 7759696	816056	2054305	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Dibenz(a,h)anthracene	PRY	Ave	27111 3589914	135570 4797530	251619 6610021	695314	1733790	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Benzo[g,h,i]perylene	PRY	Ave	25325 3575908	133874 4752741	246259 6504354	696309	1723385	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2-Fluorophenol	DCB	Ave	9021 948711	47331 1172982	83638 1501868	219857	473976	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Phenol-d5	DCB	Ave	11309 1152775	56976 1406269	105983 1843133	272322	578752	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Nitrobenzene-d5	NPT	Ave	10033 1039700	52768 1309362	97895 1727780	246150	536856	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2-Fluorobiphenyl	ANT	Ave	26292 2545205	112944 3286612	228216 4321368	559845	1243196	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2,4,6-Tribromophenol	PHN	Ave	2307 343331	12030 422239	26866 554753	65894	157187	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Terphenyl-d14	CRY	Ave	23338 2520964	106884 3157728	210854 4207079	531494	1231375	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0

Curve Type Legend:

Ave = Average ISTD
Qua = Quadratic ISTD

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV091212.b\V09120CC.D
Lab Smp Id: ICIS 536165
Inj Date : 12-SEP-2012 11:01
Operator : 003200 Inst ID: 731.i
Smp Info : ICIS 536165
Misc Info : TV091212.b,T8270ll.m,padepi.sub
Comment :
Method : \\PITSVR06\D\chem\731.i\TV091212.b\T8270ll.m
Meth Date : 12-Sep-2012 14:24 731.i Quant Type: ISTD
Cal Date : 12-SEP-2012 13:48 Cal File: V0912IC8.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: padepi.sub
Target Version: 4.14
Processing Host: PITPC-502

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 1,4-Dichlorobenzene-d4	152	4.601	4.601	(1.000)	154790	8.00000	
* 2 Naphthalene-d8	136	5.573	5.573	(1.000)	613021	8.00000	
* 3 Acenaphthene-d10	164	6.925	6.925	(1.000)	357063	8.00000	
* 4 Phenanthrene-d10	188	8.073	8.073	(1.000)	586530	8.00000	
* 5 Chrysene-d12	240	10.146	10.146	(1.000)	526905	8.00000	
* 6 Perylene-d12	264	11.588	11.588	(1.000)	501423	8.00000	
198 1,4-Dioxane	88	1.470	1.470	(0.320)	25083	4.00000	4.1327
10 N-Nitrosodimethylamine	74	1.967	1.967	(0.428)	33778	4.00000	3.8905
9 Pyridine	79	2.026	2.026	(0.440)	65150	4.00000	4.1404(M)
16 Methyl methanesulfonate	80	3.415	3.415	(0.742)	40216	4.00000	4.1882
206 Benzaldehyde	77	4.259	4.259	(0.926)	48652	4.00000	4.0544
21 Aniline	93	4.344	4.344	(0.944)	116292	4.00000	3.9731
22 Phenol	94	4.334	4.334	(0.942)	126044	4.00000	4.2068
23 bis(2-Chloroethyl)ether	93	4.398	4.398	(0.956)	87220	4.00000	4.2715
24 2-Chlorophenol	128	4.441	4.441	(0.965)	112238	4.00000	4.3039
26 1,3-Dichlorobenzene	146	4.558	4.558	(0.991)	126572	4.00000	4.0622
27 1,4-Dichlorobenzene	146	4.617	4.617	(1.003)	131412	4.00000	4.1178
28 1,2-Dichlorobenzene	146	4.729	4.729	(1.028)	120649	4.00000	3.9184
217 Indene	116	4.799	4.799	(1.043)	169664	4.00000	4.1226
29 Benzyl Alcohol	108	4.702	4.702	(1.022)	67758	4.00000	4.3781(M)
30 2-Methylphenol	108	4.793	4.793	(1.042)	90695	4.00000	4.0718
31 2,2'-oxybis(1-Chloropropane)	45	4.815	4.815	(1.046)	123754	4.00000	4.2166
37 Acetophenone	105	4.905	4.905	(1.066)	130644	4.00000	4.2506
32 N-Nitroso-di-n-propylamine	70	4.911	4.911	(1.067)	63242	4.00000	4.3748
192 4-Methylphenol	108	4.905	4.905	(1.066)	91702	4.00000	4.2536
34 Hexachloroethane	117	4.996	4.996	(1.086)	50643	4.00000	3.9970
35 Nitrobenzene	77	5.034	5.034	(0.903)	102122	4.00000	4.2897
36 N-Nitrosopyrrolidine	100	4.879	4.879	(1.060)	39005	4.00000	4.3287

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
41 Isophorone	82	5.215	5.215	(0.936)	161251	4.00000	4.1284
42 2-Nitrophenol	139	5.279	5.279	(0.947)	59240	4.00000	4.0415
43 2,4-Dimethylphenol	107	5.311	5.311	(0.953)	100600	4.00000	4.2508
44 bis(2-Chloroethoxy)methane	93	5.386	5.386	(0.966)	104998	4.00000	4.1500
48 2,4-Dichlorophenol	162	5.466	5.466	(0.981)	95236	4.00000	4.2370
49 Benzoic Acid	122	5.354	5.354	(0.961)	160009	10.0000	10.448(M)
50 1,2,4-Trichlorobenzene	180	5.536	5.536	(0.993)	109261	4.00000	3.9593
51 Naphthalene	128	5.589	5.589	(1.003)	322606	4.00000	4.0945
52 4-Chloroaniline	127	5.627	5.627	(1.010)	124016	4.00000	4.0981
54 2,6-Dichlorophenol	162	5.637	5.637	(1.012)	89684	4.00000	4.2196
56 Hexachlorobutadiene	225	5.696	5.696	(1.022)	63583	4.00000	4.0453
208 Caprolactam	113	5.862	5.862	(1.052)	23897	4.00000	4.1345
59 4-Chloro-3-Methylphenol	107	5.995	5.995	(1.076)	87960	4.00000	4.3960
62 2-Methylnaphthalene	142	6.123	6.123	(1.099)	215696	4.00000	4.0353
63 1-Methylnaphthalene	142	6.198	6.198	(1.112)	208406	4.00000	4.1546
64 Hexachlorocyclopentadiene	237	6.252	6.252	(0.903)	68791	4.00000	3.8934
65 1,2,4,5-Tetrachlorobenzene	216	6.257	6.257	(0.904)	102420	4.00000	3.8299
66 2,4,6-Trichlorophenol	196	6.337	6.337	(0.915)	69885	4.00000	3.8504
67 2,4,5-Trichlorophenol	196	6.364	6.364	(0.919)	80087	4.00000	4.1208(M)
209 1,1'-Biphenyl	154	6.481	6.481	(0.936)	259915	4.00000	3.9060
70 2-Chloronaphthalene	162	6.497	6.497	(0.938)	214219	4.00000	3.9216
73 2-Nitroaniline	65	6.567	6.567	(0.948)	52238	4.00000	4.1014
76 Dimethylphthalate	163	6.706	6.706	(0.968)	217590	4.00000	3.8792
78 2,6-Dinitrotoluene	165	6.748	6.748	(0.975)	49387	4.00000	3.9993
79 Acenaphthylene	152	6.818	6.818	(0.985)	312527	4.00000	3.8905
81 3-Nitroaniline	138	6.877	6.877	(0.993)	55446	4.00000	3.9562
82 Acenaphthene	153	6.951	6.951	(1.004)	207785	4.00000	3.9809
83 2,4-Dinitrophenol	184	6.957	6.957	(1.005)	78711	10.0000	9.8971
85 4-Nitrophenol	109	6.994	6.994	(1.010)	69903	10.0000	9.7555
86 Dibenzofuran	168	7.085	7.085	(1.023)	300471	4.00000	3.9612
87 2,4-Dinitrotoluene	165	7.058	7.058	(1.019)	64098	4.00000	3.8369
91 2,3,5,6-Tetrachlorophenol	232	7.144	7.144	(1.032)	57381	4.00000	3.8914
88 2,3,4,6-Tetrachlorophenol	232	7.176	7.176	(1.036)	56624	4.00000	3.8596
92 2-Naphthylamine	143	7.197	7.197	(1.039)	62561	4.00000	2.8248
93 Diethylphthalate	149	7.245	7.245	(1.046)	220440	4.00000	3.9519
94 Fluorene	166	7.347	7.347	(1.061)	233130	4.00000	3.8399
95 4-Chlorophenyl-phenylether	204	7.341	7.341	(1.060)	118565	4.00000	4.0154
96 4-Nitroaniline	138	7.347	7.347	(1.061)	59332	4.00000	4.0401
98 4,6-Dinitro-2-methylphenol	198	7.373	7.373	(0.913)	98260	10.0000	9.4857
99 N-Nitrosodiphenylamine (1)	169	7.427	7.427	(0.920)	155907	4.00000	4.0271
100 1,2-Diphenylhydrazine	77	7.464	7.464	(0.925)	209890	4.00000	4.0271
106 4-Bromophenyl-phenylether	248	7.721	7.721	(0.956)	65073	4.00000	4.0151
107 Hexachlorobenzene	284	7.779	7.779	(0.964)	63835	4.00000	3.9231
210 Atrazine	200	7.827	7.827	(0.970)	25896	4.00000	3.0631
111 Pentachlorophenol	266	7.924	7.924	(0.981)	110303	10.0000	9.3068(M)
115 Phenanthrene	178	8.089	8.089	(1.002)	344301	4.00000	4.0264
116 Anthracene	178	8.132	8.132	(1.007)	340425	4.00000	3.9259
119 Carbazole	167	8.244	8.244	(1.021)	292963	4.00000	3.9224
120 Di-n-Butylphthalate	149	8.495	8.495	(1.052)	361304	4.00000	3.8932
123 Fluoranthene	202	9.013	9.013	(1.116)	349765	4.00000	3.9300
124 Benzidine	184	9.099	9.099	(0.897)	65235	4.00000	3.3213
125 Pyrene	202	9.195	9.195	(0.906)	355025	4.00000	4.2529
131 Butylbenzylphthalate	149	9.660	9.660	(0.952)	149619	4.00000	4.1414
135 3,3'-Dichlorobenzidine	252	10.098	10.098	(0.995)	102689	4.00000	3.9114

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
136 Benzo(a)Anthracene	228	10.135	10.135	(0.999)	311435	4.00000	4.0610
137 Chrysene	228	10.162	10.162	(1.002)	280139	4.00000	3.9253
139 bis(2-ethylhexyl)Phthalate	149	10.103	10.103	(0.996)	201796	4.00000	3.9434(M)
140 Di-n-octylphthalate	149	10.659	10.659	(0.920)	353009	4.00000	4.2843(M)
141 Benzo(b)fluoranthene	252	11.150	11.150	(0.962)	314323	4.00000	3.8432
142 Benzo(k)fluoranthene	252	11.182	11.182	(0.965)	333438	4.00000	4.0886(M)
143 7,12-dimethylbenz[a]anthracen	256	11.140	11.140	(0.961)	144639	4.00000	4.2392
146 Benzo(a)pyrene	252	11.524	11.524	(0.994)	248546	4.00000	4.0534(M)
149 Indeno(1,2,3-cd)pyrene	276	13.052	13.052	(1.126)	297915	4.00000	3.9640
150 Dibenz(a,h)anthracene	278	13.052	13.052	(1.126)	251619	4.00000	3.9244(M)
151 Benzo(g,h,i)perylene	276	13.490	13.490	(1.164)	246259	4.00000	3.9038(M)
$ 154 Nitrobenzene-d5	82	5.018	5.018	(0.900)	97895	4.00000	4.1718
$ 155 2-Fluorobiphenyl	172	6.401	6.401	(0.924)	228216	4.00000	3.8652
$ 156 Terphenyl-d14	244	9.297	9.297	(0.916)	210854	4.00000	4.1738
$ 157 Phenol-d5	99	4.323	4.323	(0.940)	105983	4.00000	4.1760
$ 158 2-Fluorophenol	112	3.575	3.575	(0.777)	83638	4.00000	4.0471
$ 159 2,4,6-Tribromophenol	330	7.534	7.534	(0.933)	26866	4.00000	3.9441
$ 186 2-Chlorophenol-d4	132	4.425	4.425	(0.962)	105084	4.00000	4.0038
$ 187 1,2-Dichlorobenzene-d4	152	4.718	4.718	(1.026)	75077	4.00000	4.0038

QC Flag Legend

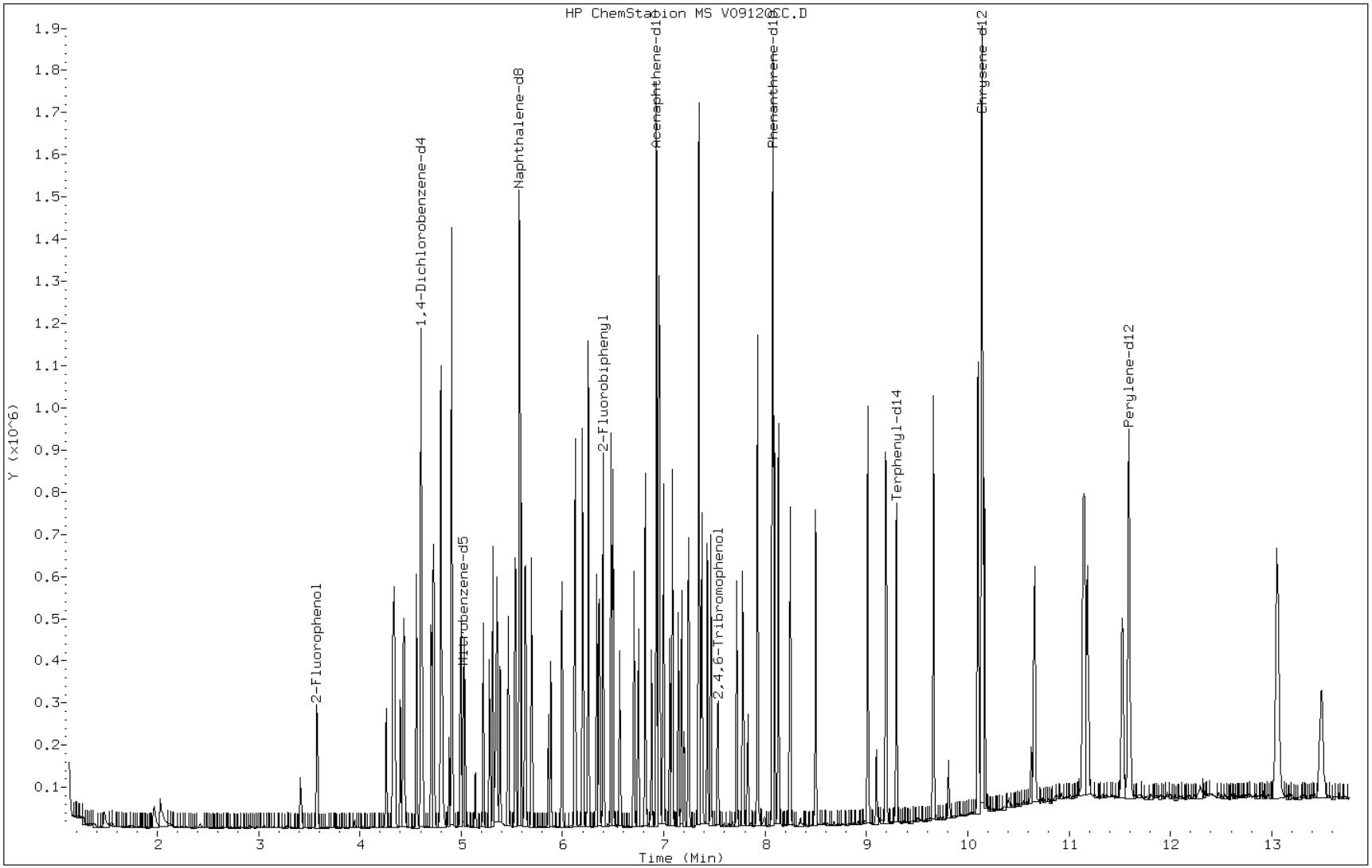
M - Compound response manually integrated.

Data File: V09120CC.D

Date: 12-SEP-2012 11:01

Client ID: Instrument: 731.i

Sample Info: ICIS 536165 Operator: 003200



Manual Integration Report

Data File: V09120CC.D
Inj. Date and Time: 12-SEP-2012 11:01
Instrument ID: 731.i
Client ID:
Compound: 9 Pyridine
CAS #: 110-86-1
Report Date: 09/13/2012

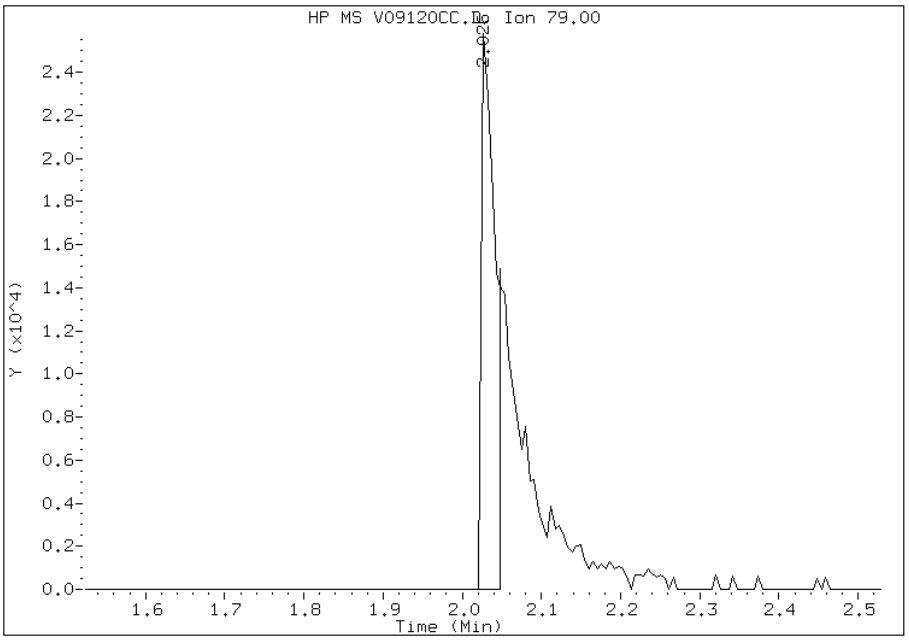
Processing Integration Results

RT: 2.03

Response: 31042

Amount: 4

Conc: 4



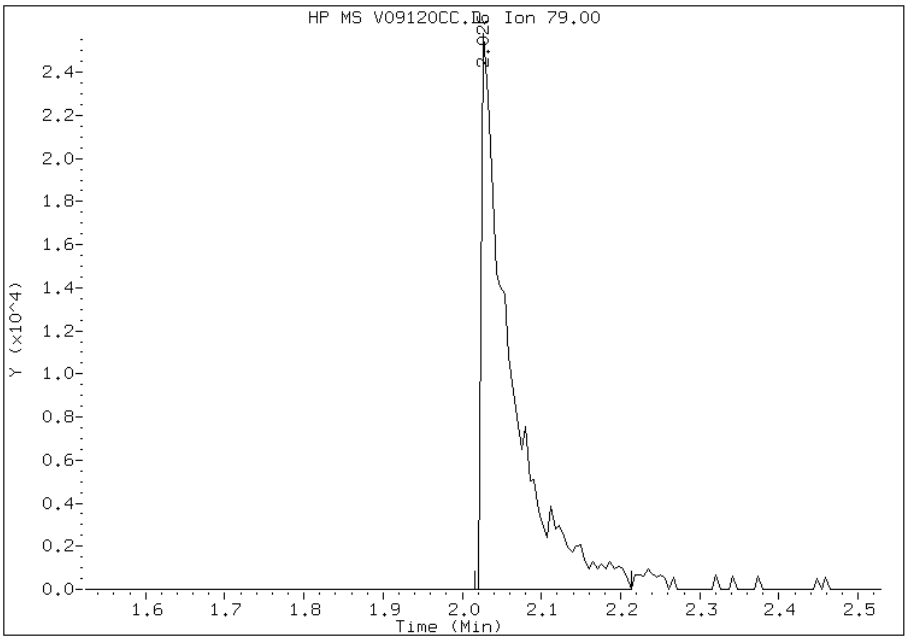
Manual Integration Results

RT: 2.03

Response: 65150

Amount: 4

Conc: 4



Manually Integrated By: piccolinov
Modification Date: 12-Sep-2012 11:38
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V09120CC.D
Inj. Date and Time: 12-SEP-2012 11:01
Instrument ID: 731.i
Client ID:
Compound: 29 Benzyl Alcohol
CAS #: 100-51-6
Report Date: 09/13/2012

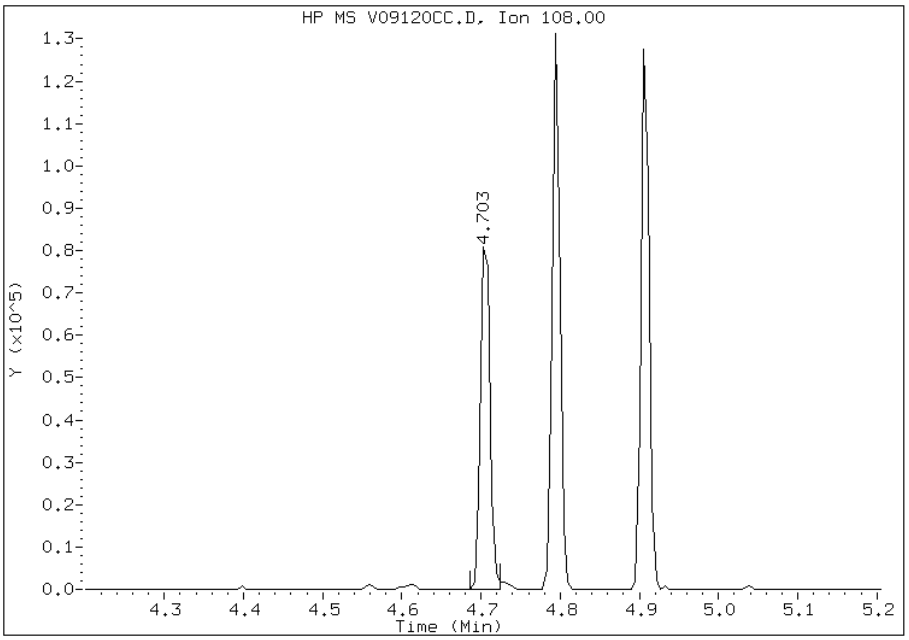
Processing Integration Results

RT: 4.70

Response: 66724

Amount: 4

Conc: 4



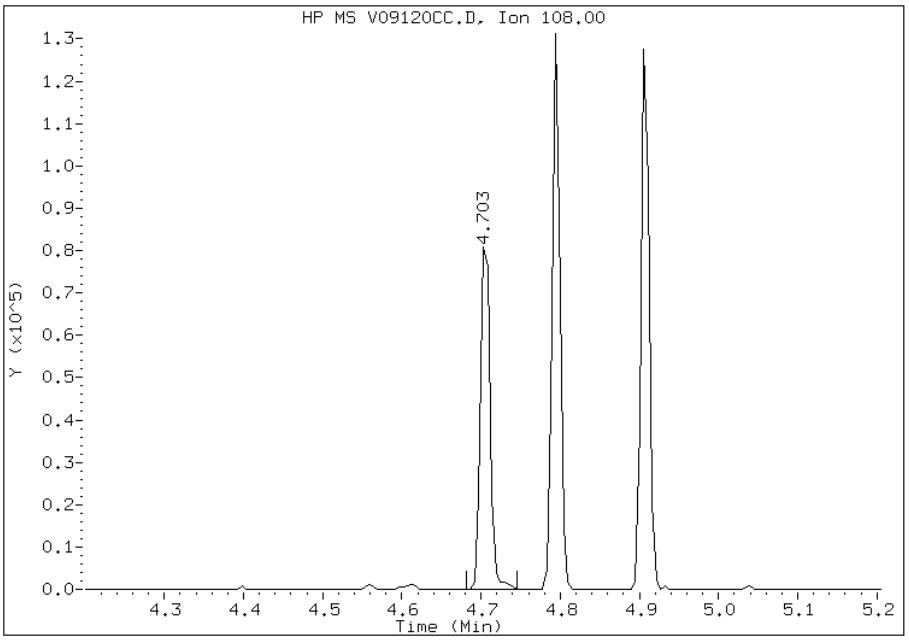
Manual Integration Results

RT: 4.70

Response: 67758

Amount: 4

Conc: 4



Manually Integrated By: piccolinov
Modification Date: 12-Sep-2012 11:38
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V09120CC.D
Inj. Date and Time: 12-SEP-2012 11:01
Instrument ID: 731.i
Client ID:
Compound: 49 Benzoic Acid
CAS #: 65-85-0
Report Date: 09/13/2012

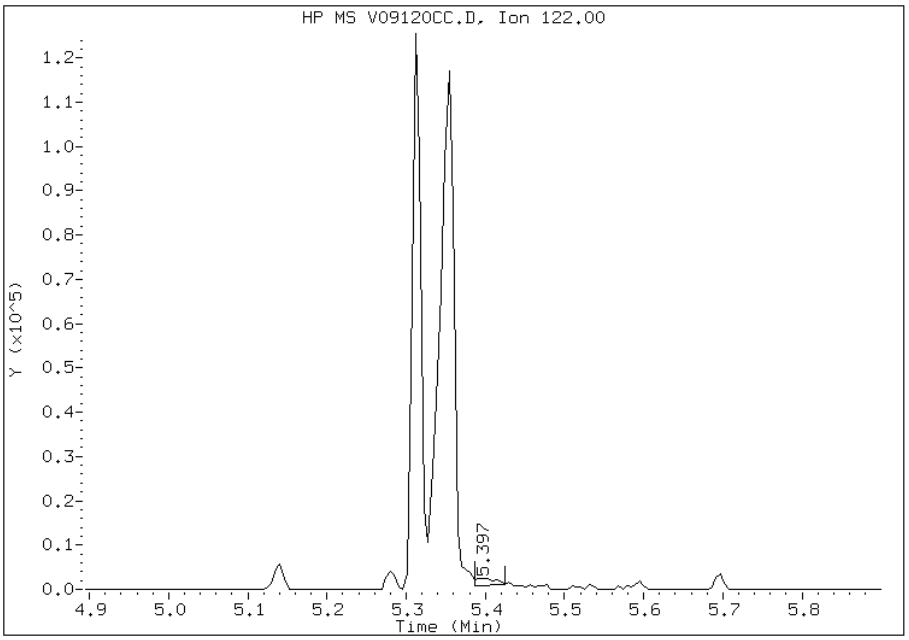
Processing Integration Results

RT: 5.40

Response: 2824

Amount: 10

Conc: 10



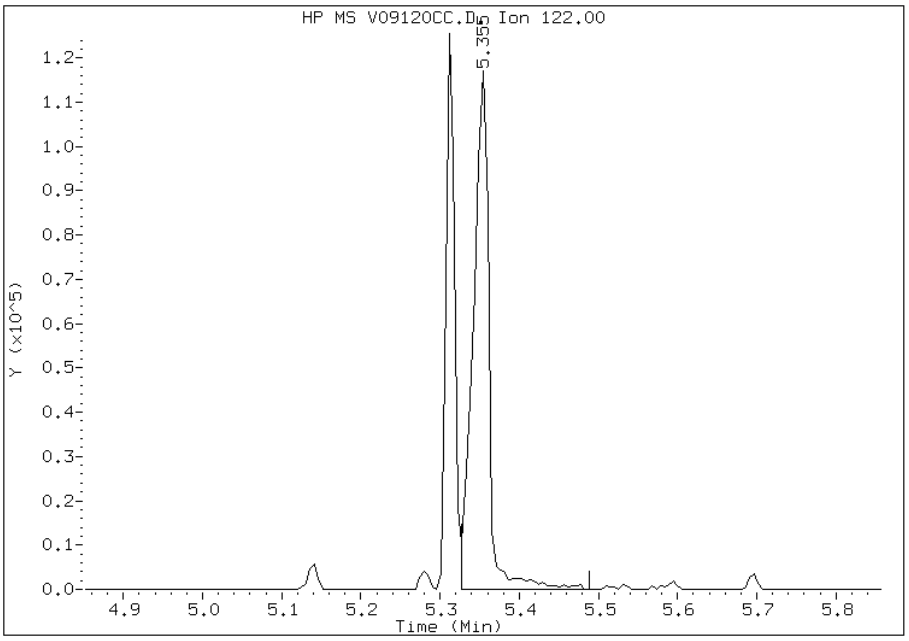
Manual Integration Results

RT: 5.35

Response: 160009

Amount: 10

Conc: 10



Manually Integrated By: piccolinov
Modification Date: 12-Sep-2012 11:38
Manual Integration Reason: Peak Not Found

Manual Integration Report

Data File: V09120CC.D
Inj. Date and Time: 12-SEP-2012 11:01
Instrument ID: 731.i
Client ID:
Compound: 67 2,4,5-Trichlorophenol
CAS #: 95-95-4
Report Date: 09/13/2012

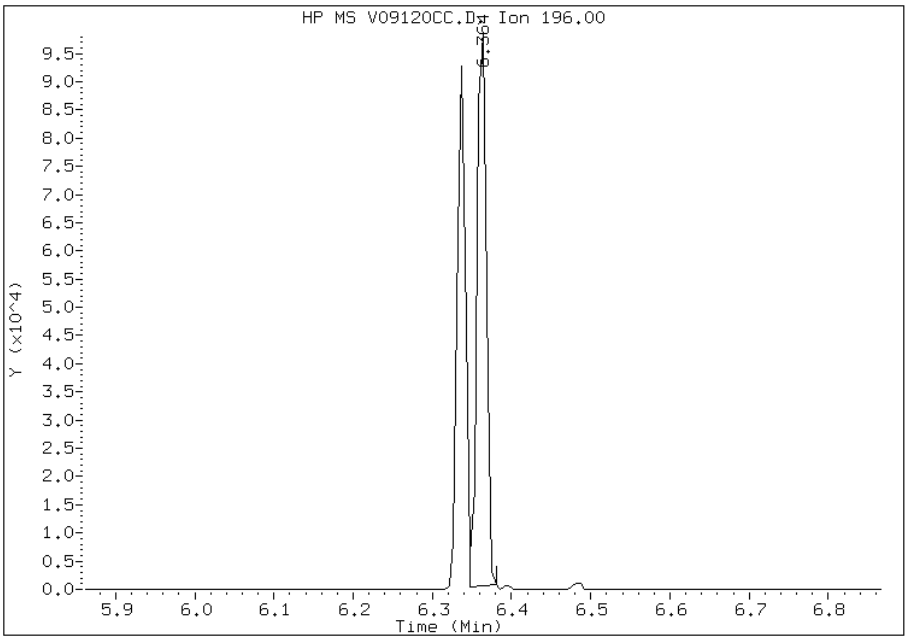
Processing Integration Results

RT: 6.36

Response: 78701

Amount: 4

Conc: 4



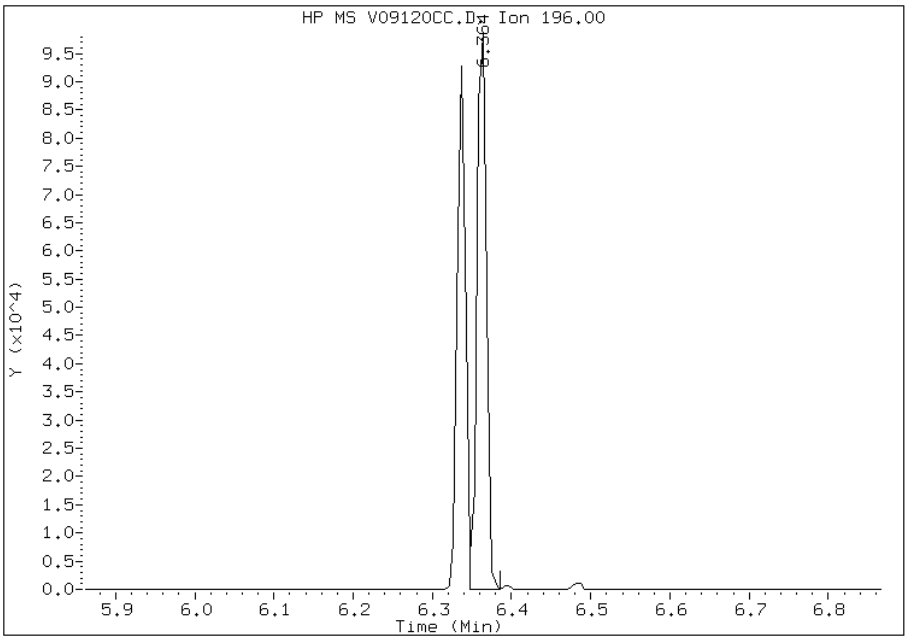
Manual Integration Results

RT: 6.36

Response: 80087

Amount: 4

Conc: 4



Manually Integrated By: piccolinov
Modification Date: 12-Sep-2012 11:38
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V09120CC.D
Inj. Date and Time: 12-SEP-2012 11:01
Instrument ID: 731.i
Client ID:
Compound: 111 Pentachlorophenol
CAS #: 87-86-5
Report Date: 09/13/2012

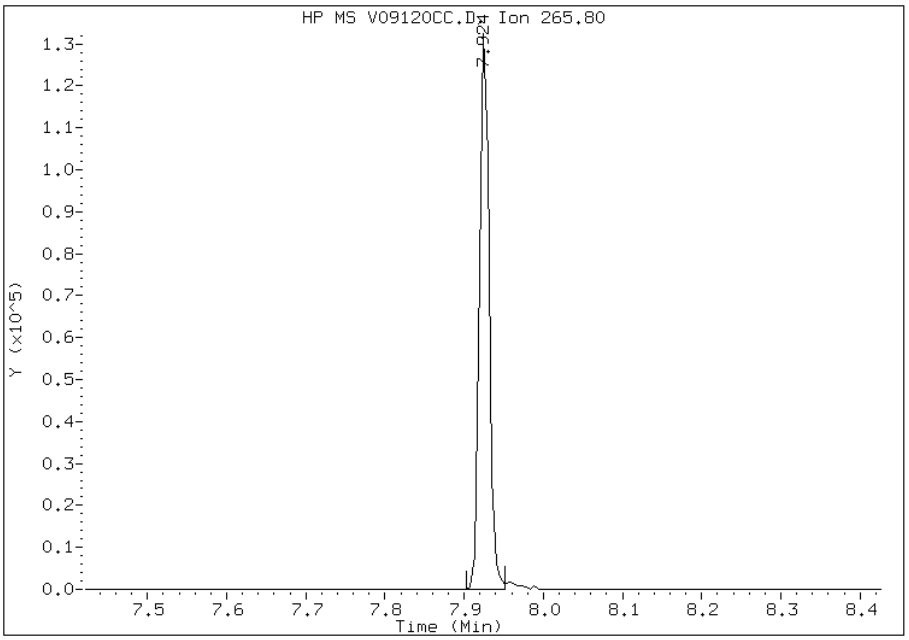
Processing Integration Results

RT: 7.92

Response: 108684

Amount: 10

Conc: 10



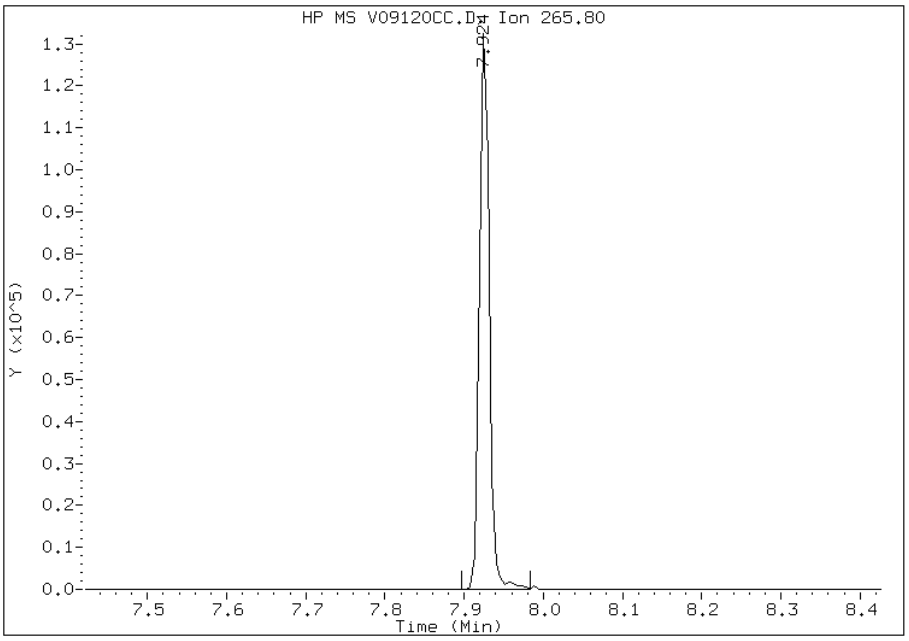
Manual Integration Results

RT: 7.92

Response: 110303

Amount: 9

Conc: 9



Manually Integrated By: piccolinov
Modification Date: 12-Sep-2012 11:39
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V09120CC.D
Inj. Date and Time: 12-SEP-2012 11:01
Instrument ID: 731.i
Client ID:
Compound: 139 bis(2-ethylhexyl)Phthalate
CAS #: 117-81-7
Report Date: 09/13/2012

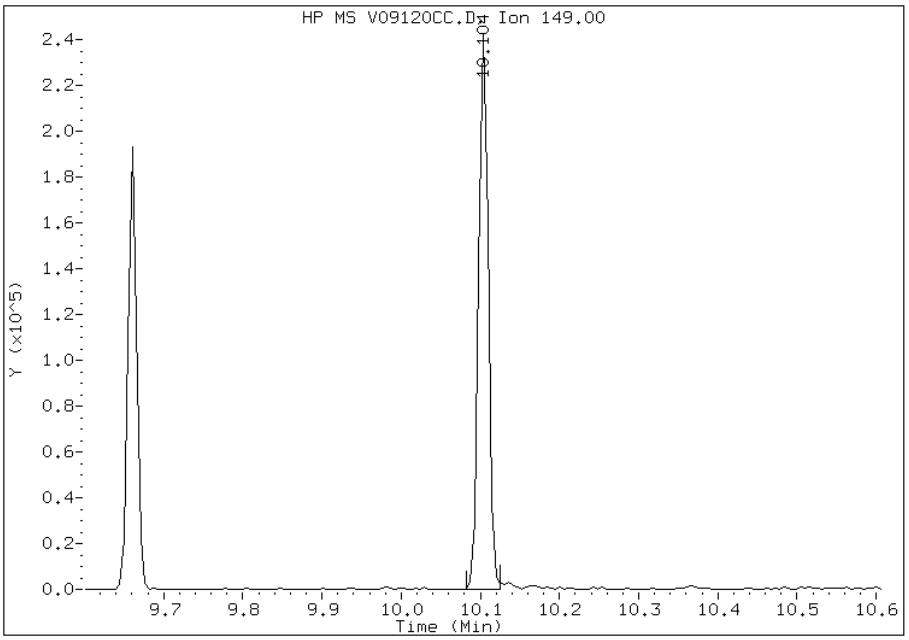
Processing Integration Results

RT: 10.10

Response: 199342

Amount: 4

Conc: 4



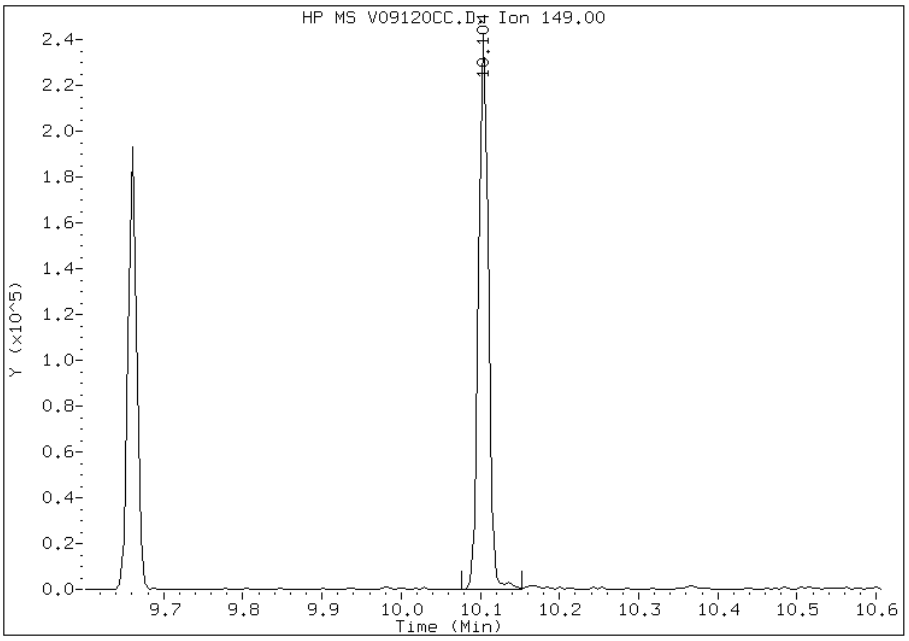
Manual Integration Results

RT: 10.10

Response: 201796

Amount: 4

Conc: 4



Manually Integrated By: piccolinov
Modification Date: 12-Sep-2012 11:39
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V09120CC.D
Inj. Date and Time: 12-SEP-2012 11:01
Instrument ID: 731.i
Client ID:
Compound: 140 Di-n-octylphthalate
CAS #: 117-84-0
Report Date: 09/13/2012

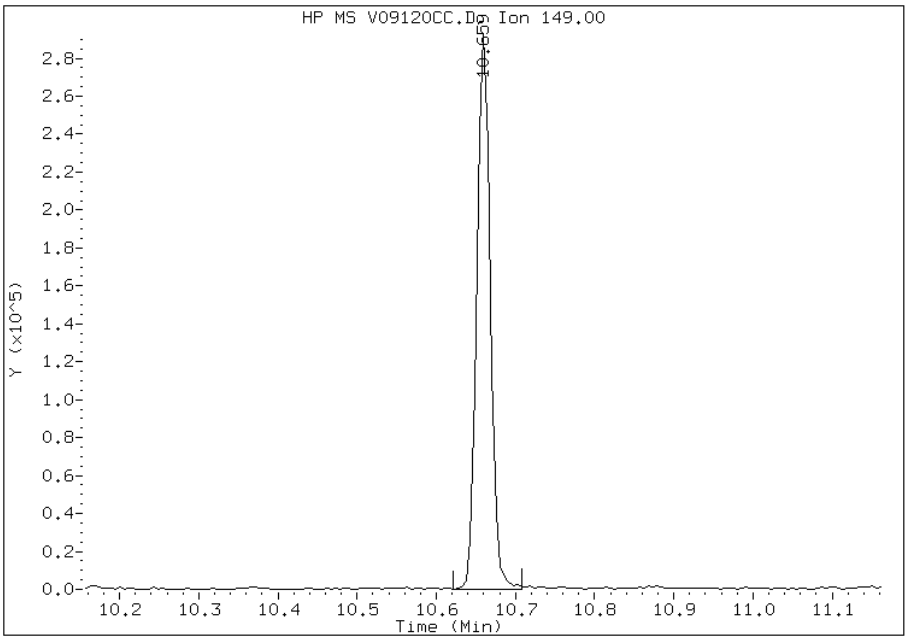
Processing Integration Results

RT: 10.66

Response: 348788

Amount: 4

Conc: 4



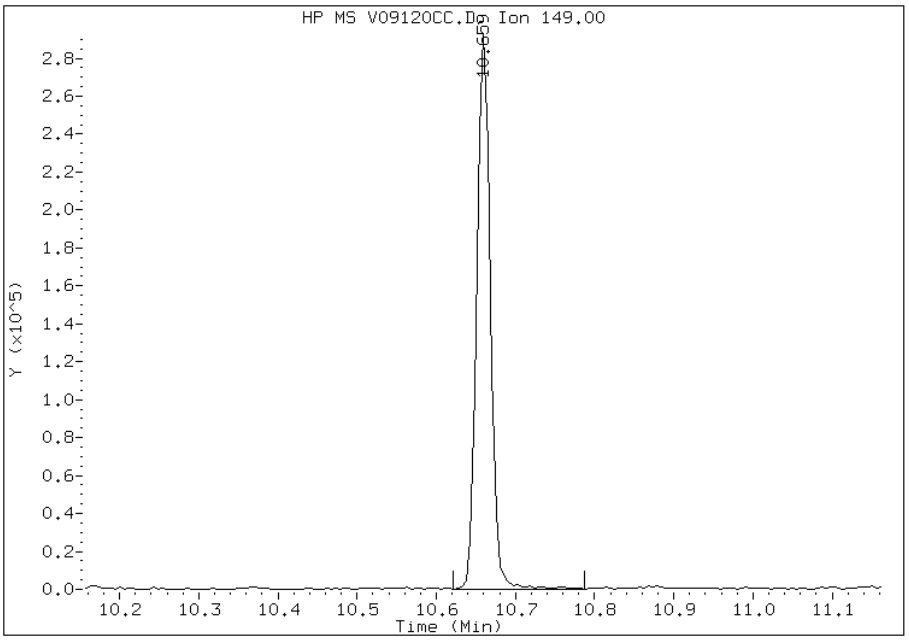
Manual Integration Results

RT: 10.66

Response: 353009

Amount: 4

Conc: 4



Manually Integrated By: piccolinov
Modification Date: 12-Sep-2012 11:39
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V09120CC.D
Inj. Date and Time: 12-SEP-2012 11:01
Instrument ID: 731.i
Client ID:
Compound: 142 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 09/13/2012

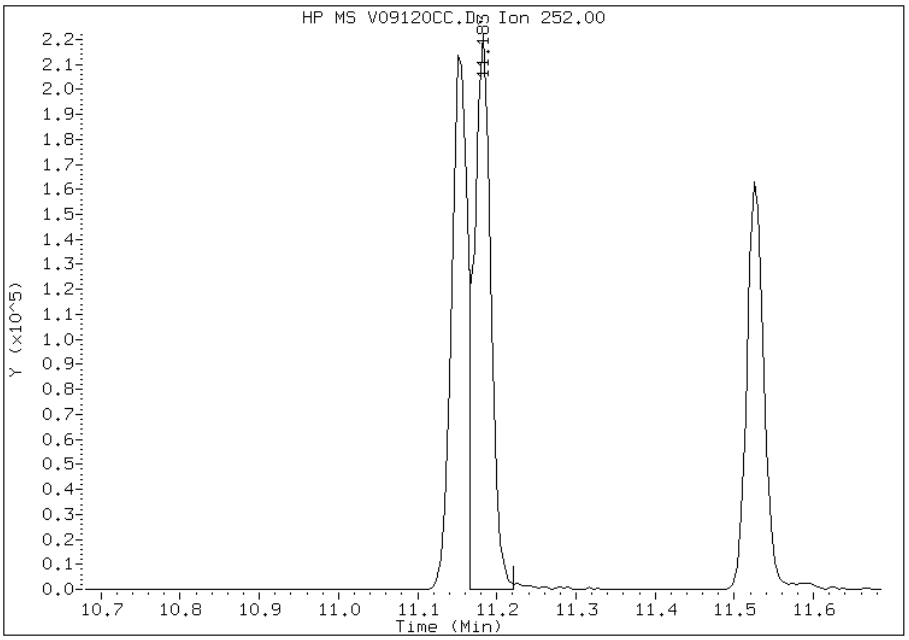
Processing Integration Results

RT: 11.18

Response: 330251

Amount: 4

Conc: 4



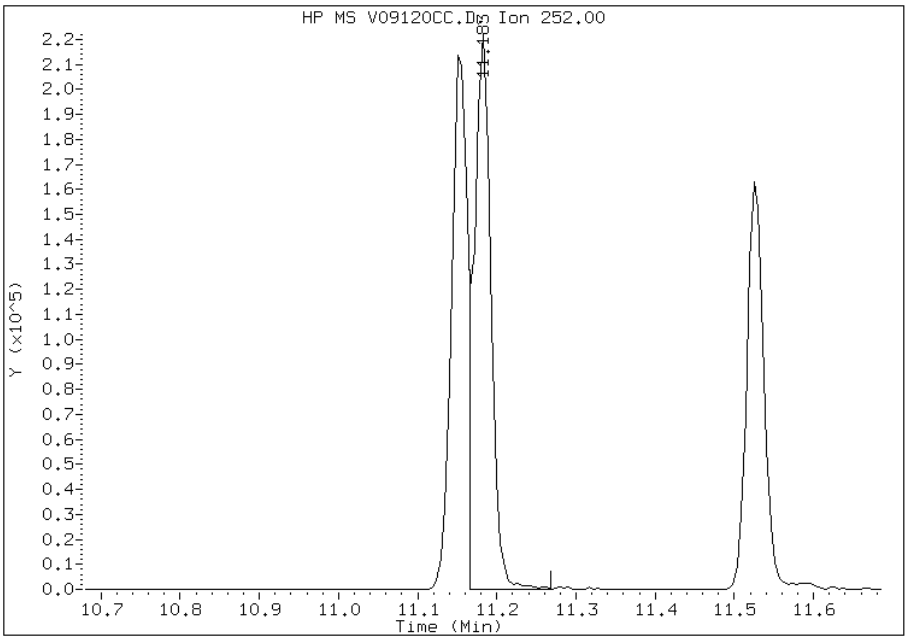
Manual Integration Results

RT: 11.18

Response: 333438

Amount: 4

Conc: 4



Manually Integrated By: piccolinov
Modification Date: 12-Sep-2012 11:40
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V09120CC.D
Inj. Date and Time: 12-SEP-2012 11:01
Instrument ID: 731.i
Client ID:
Compound: 146 Benzo(a)pyrene
CAS #: 50-32-8
Report Date: 09/13/2012

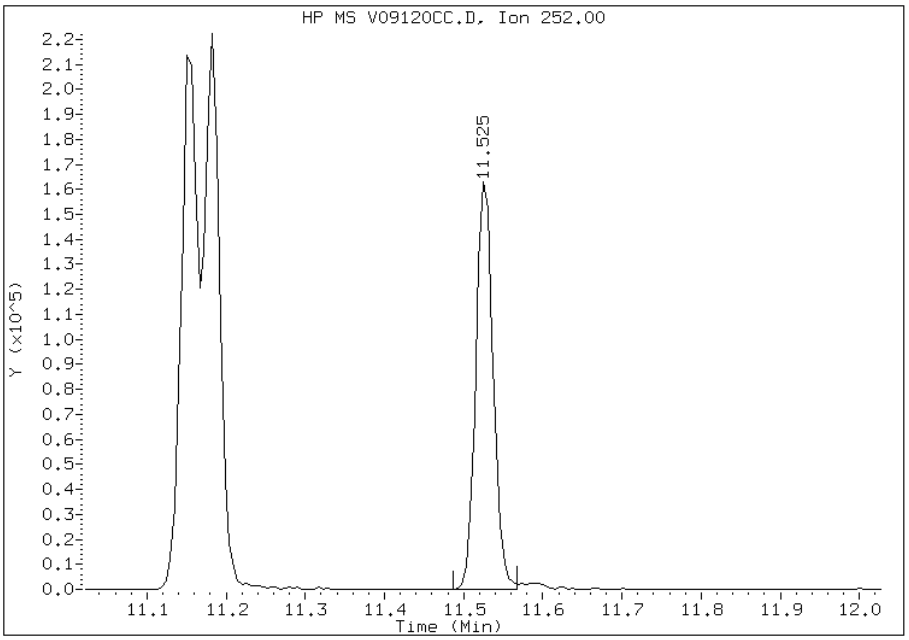
Processing Integration Results

RT: 11.52

Response: 243703

Amount: 4

Conc: 4



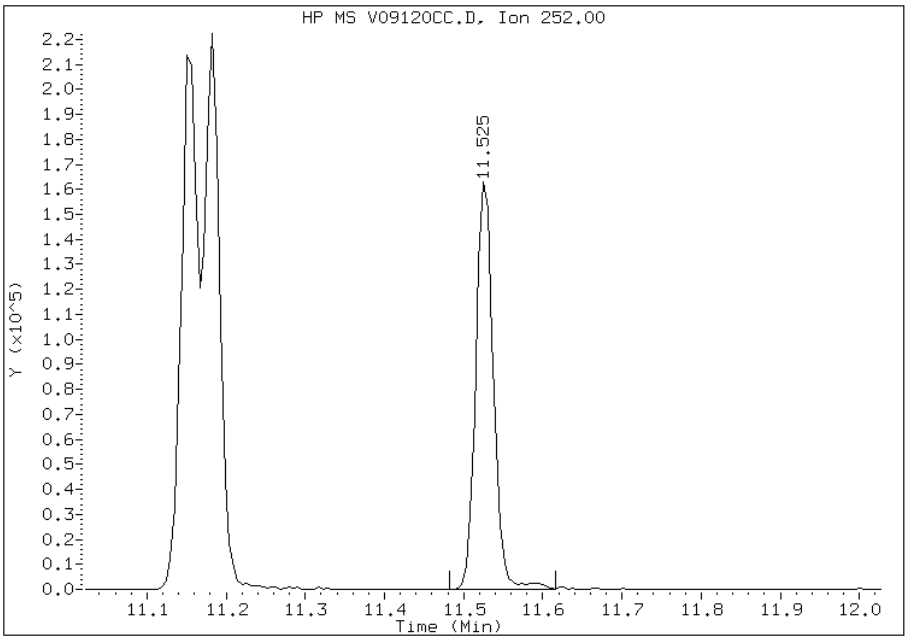
Manual Integration Results

RT: 11.52

Response: 248546

Amount: 4

Conc: 4



Manually Integrated By: piccolinov
Modification Date: 12-Sep-2012 11:40
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V09120CC.D
Inj. Date and Time: 12-SEP-2012 11:01
Instrument ID: 731.i
Client ID:
Compound: 150 Dibenz(a,h)anthracene
CAS #: 53-70-3
Report Date: 09/13/2012

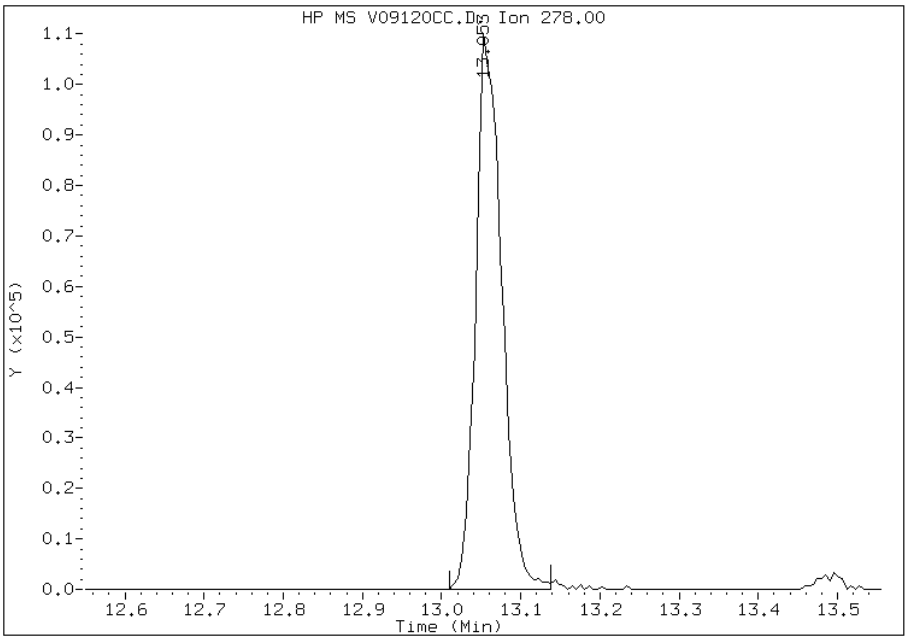
Processing Integration Results

RT: 13.05

Response: 250516

Amount: 4

Conc: 4



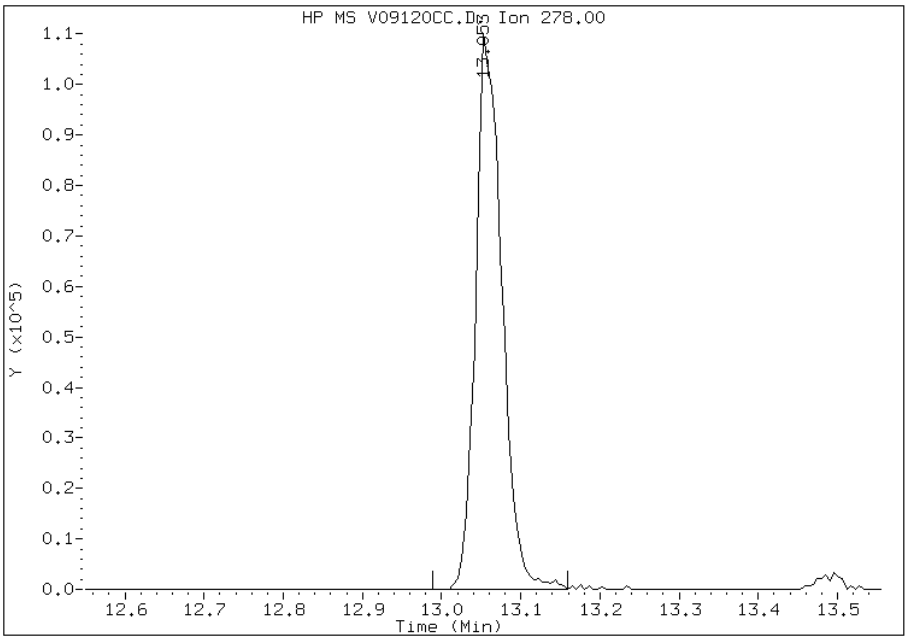
Manual Integration Results

RT: 13.05

Response: 251619

Amount: 4

Conc: 4



Manually Integrated By: piccolinov
Modification Date: 12-Sep-2012 11:40
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V09120CC.D
Inj. Date and Time: 12-SEP-2012 11:01
Instrument ID: 731.i
Client ID:
Compound: 151 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 09/13/2012

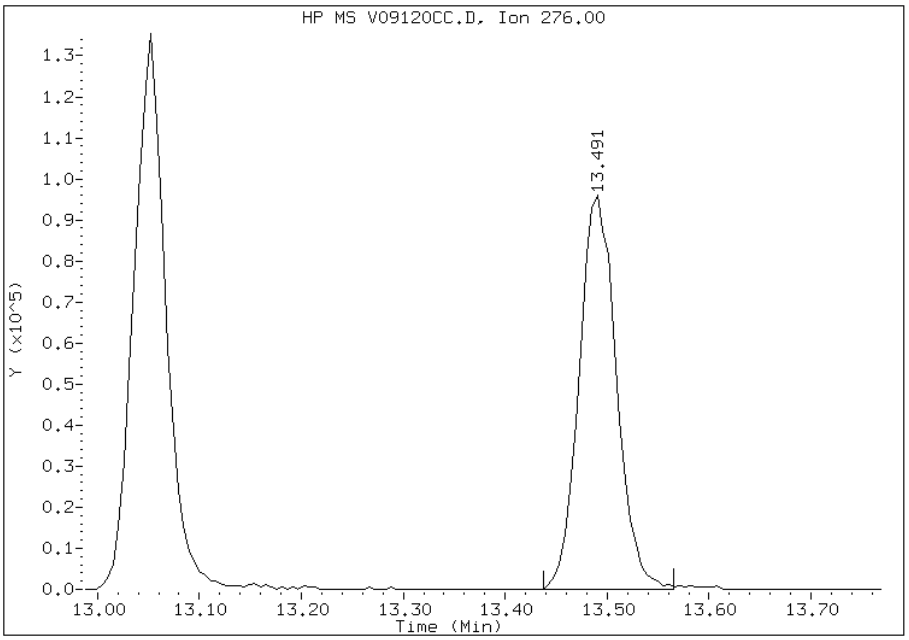
Processing Integration Results

RT: 13.49

Response: 244481

Amount: 4

Conc: 4



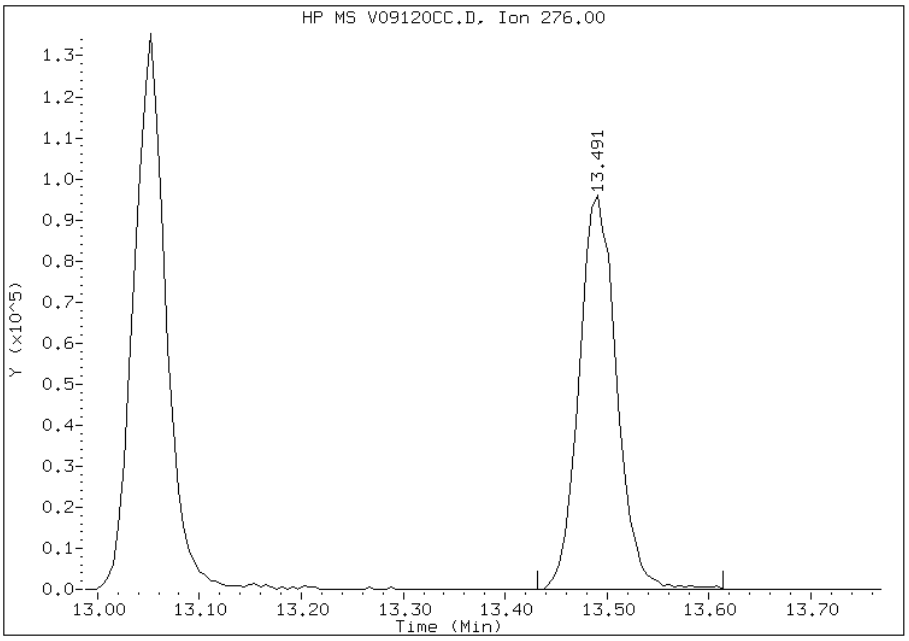
Manual Integration Results

RT: 13.49

Response: 246259

Amount: 4

Conc: 4



Manually Integrated By: piccolinov
Modification Date: 12-Sep-2012 11:40
Manual Integration Reason: Poor Chromatography

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV091212.b\V0912IC1.D
Lab Smp Id: IC 495220
Inj Date : 12-SEP-2012 11:24
Operator : 003200 Inst ID: 731.i
Smp Info : IC 495220
Misc Info : TV091212.b,T8270ll.m,padepi.sub
Comment :
Method : \\PITSVR06\D\chem\731.i\TV091212.b\T8270ll.m
Meth Date : 12-Sep-2012 11:53 piccolinov Quant Type: ISTD
Cal Date : 12-SEP-2012 11:24 Cal File: V0912IC1.D
Als bottle: 90 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: padepi.sub
Target Version: 4.14
Processing Host: PITPC-502

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 1,4-Dichlorobenzene-d4	152	4.604	4.604	(1.000)	169458	8.00000	
* 2 Naphthalene-d8	136	5.576	5.576	(1.000)	695326	8.00000	
* 3 Acenaphthene-d10	164	6.927	6.927	(1.000)	370652	8.00000	
* 4 Phenanthrene-d10	188	8.076	8.076	(1.000)	629024	8.00000	
* 5 Chrysene-d12	240	10.170	10.170	(1.000)	589199	8.00000	
* 6 Perylene-d12	264	11.629	11.629	(1.000)	578782	8.00000	
198 1,4-Dioxane	88	1.478	1.478	(0.321)	2417	0.40000	0.37451(M)
10 N-Nitrosodimethylamine	74	1.986	1.986	(0.431)	3653	0.40000	0.39756(M)
9 Pyridine	79	2.103	2.103	(0.457)	5597	0.40000	0.35175(M)
16 Methyl methanesulfonate	80	3.423	3.423	(0.744)	4683	0.40000	0.41234
206 Benzaldehyde	77	4.256	4.256	(0.925)	4554	0.40000	0.36874
21 Aniline	93	4.347	4.347	(0.944)	13523	0.40000	0.41206
22 Phenol	94	4.337	4.337	(0.942)	14085	0.40000	0.40410
23 bis(2-Chloroethyl)ether	93	4.401	4.401	(0.956)	9572	0.40000	0.40049
24 2-Chlorophenol	128	4.438	4.438	(0.964)	11389	0.40000	0.38482
26 1,3-Dichlorobenzene	146	4.556	4.556	(0.990)	14696	0.40000	0.41176
27 1,4-Dichlorobenzene	146	4.614	4.614	(1.002)	14508	0.40000	0.40168
28 1,2-Dichlorobenzene	146	4.732	4.732	(1.028)	15228	0.40000	0.42841
217 Indene	116	4.801	4.801	(1.043)	18126	0.40000	0.39512
29 Benzyl Alcohol	108	4.705	4.705	(1.022)	6975	0.40000	0.38769
30 2-Methylphenol	108	4.796	4.796	(1.042)	10542	0.40000	0.41198
31 2,2'-oxybis(1-Chloropropane)	45	4.817	4.817	(1.046)	13905	0.40000	0.40520
37 Acetophenone	105	4.908	4.908	(1.066)	23022	0.40000	0.49345
32 N-Nitroso-di-n-propylamine	70	4.908	4.908	(1.066)	6621	0.40000	0.39107
192 4-Methylphenol	108	4.908	4.908	(1.066)	9303	0.40000	0.38478
34 Hexachloroethane	117	4.994	4.994	(1.085)	6198	0.40000	0.42227
35 Nitrobenzene	77	5.031	5.031	(0.902)	11312	0.40000	0.39526
36 N-Nitrosopyrrolidine	100	4.881	4.881	(1.060)	3670	0.40000	0.36977

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
41 Isophorone	82	5.218	5.218	(0.936)	18289	0.40000	0.39999
42 2-Nitrophenol	139	5.282	5.282	(0.947)	6249	0.40000	0.38549
43 2,4-Dimethylphenol	107	5.314	5.314	(0.953)	10155	0.40000	0.37671
44 bis(2-Chloroethoxy)methane	93	5.384	5.384	(0.966)	10978	0.40000	0.38372
48 2,4-Dichlorophenol	162	5.464	5.464	(0.980)	9990	0.40000	0.38437
49 Benzoic Acid	122	5.341	5.341	(0.958)	28629	2.00000	1.7638(M)
50 1,2,4-Trichlorobenzene	180	5.533	5.533	(0.992)	13181	0.40000	0.41232
51 Naphthalene	128	5.592	5.592	(1.003)	36173	0.40000	0.39770
52 4-Chloroaniline	127	5.629	5.629	(1.010)	13250	0.40000	0.38804
54 2,6-Dichlorophenol	162	5.640	5.640	(1.011)	9112	0.40000	0.37800
56 Hexachlorobutadiene	225	5.693	5.693	(1.021)	7143	0.40000	0.39808
208 Caprolactam	113	5.859	5.859	(1.051)	2022	0.40000	0.34180
59 4-Chloro-3-Methylphenol	107	5.993	5.993	(1.075)	8397	0.40000	0.36560
62 2-Methylnaphthalene	142	6.126	6.126	(1.099)	24248	0.40000	0.39821
63 1-Methylnaphthalene	142	6.201	6.201	(1.112)	21986	0.40000	0.38551
64 Hexachlorocyclopentadiene	237	6.254	6.254	(0.903)	6744	0.40000	0.38856
65 1,2,4,5-Tetrachlorobenzene	216	6.254	6.254	(0.903)	11445	0.40000	0.41473
66 2,4,6-Trichlorophenol	196	6.334	6.334	(0.914)	7299	0.40000	0.40122
67 2,4,5-Trichlorophenol	196	6.361	6.361	(0.918)	7981	0.40000	0.39184
209 1,1'-Biphenyl	154	6.479	6.479	(0.935)	29068	0.40000	0.41490
70 2-Chloronaphthalene	162	6.495	6.495	(0.938)	22432	0.40000	0.40174
73 2-Nitroaniline	65	6.564	6.564	(0.948)	5158	0.40000	0.39000
76 Dimethylphthalate	163	6.703	6.703	(0.968)	24275	0.40000	0.41441
78 2,6-Dinitrotoluene	165	6.751	6.751	(0.975)	4284	0.40000	0.36418
79 Acenaphthylene	152	6.815	6.815	(0.984)	34754	0.40000	0.41376
81 3-Nitroaniline	138	6.879	6.879	(0.993)	4966	0.40000	0.37054
82 Acenaphthene	153	6.954	6.954	(1.004)	22182	0.40000	0.40560
83 2,4-Dinitrophenol	184	6.959	6.959	(1.005)	13424	2.00000	1.8040
85 4-Nitrophenol	109	6.997	6.997	(1.010)	13430	2.00000	1.9225
86 Dibenzofuran	168	7.082	7.082	(1.022)	32678	0.40000	0.40932
87 2,4-Dinitrotoluene	165	7.061	7.061	(1.019)	6265	0.40000	0.38796
91 2,3,5,6-Tetrachlorophenol	232	7.141	7.141	(1.031)	5463	0.40000	0.38271
88 2,3,4,6-Tetrachlorophenol	232	7.179	7.179	(1.036)	5961	0.40000	0.40281
92 2-Naphthylamine	143	7.200	7.200	(1.039)	11019	0.40000	0.50335
93 Diethylphthalate	149	7.243	7.243	(1.045)	24170	0.40000	0.41094
94 Fluorene	166	7.349	7.349	(1.061)	24717	0.40000	0.40422
95 4-Chlorophenyl-phenylether	204	7.344	7.344	(1.060)	11625	0.40000	0.38859
96 4-Nitroaniline	138	7.344	7.344	(1.060)	5364	0.40000	0.37240
98 4,6-Dinitro-2-methylphenol	198	7.376	7.376	(0.913)	14759	2.00000	1.6474
99 N-Nitrosodiphenylamine (1)	169	7.430	7.430	(0.920)	16754	0.40000	0.40040
100 1,2-Diphenylhydrazine	77	7.467	7.467	(0.925)	23811	0.40000	0.41124
106 4-Bromophenyl-phenylether	248	7.723	7.723	(0.956)	5772	0.40000	0.36214
107 Hexachlorobenzene	284	7.782	7.782	(0.964)	6104	0.40000	0.37708
210 Atrazine	200	7.830	7.830	(0.970)	3518	0.40000	0.44707
111 Pentachlorophenol	266	7.926	7.926	(0.981)	24209	2.00000	2.0230
115 Phenanthrene	178	8.092	8.092	(1.002)	34911	0.40000	0.38879
116 Anthracene	178	8.129	8.129	(1.007)	35877	0.40000	0.39651
119 Carbazole	167	8.247	8.247	(1.021)	32884	0.40000	0.40911
120 Di-n-Butylphthalate	149	8.498	8.498	(1.052)	38021	0.40000	0.39621
123 Fluoranthene	202	9.016	9.016	(1.116)	37817	0.40000	0.40163
124 Benzidine	184	9.107	9.107	(0.895)	6072	0.40000	0.36341(M)
125 Pyrene	202	9.203	9.203	(0.905)	37962	0.40000	0.39105
131 Butylbenzylphthalate	149	9.673	9.673	(0.951)	15800	0.40000	0.38855
135 3,3'-Dichlorobenzidine	252	10.122	10.122	(0.995)	9314	0.40000	0.35828

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
136 Benzo(a)Anthracene	228	10.159	10.159	(0.999)	34944	0.40000	0.40068
137 Chrysene	228	10.191	10.191	(1.002)	30199	0.40000	0.39267
139 bis(2-ethylhexyl)Phthalate	149	10.127	10.127	(0.996)	23773	0.40000	0.41042
140 Di-n-octylphthalate	149	10.694	10.694	(0.920)	32808	0.40000	0.35683(M)
141 Benzo(b)fluoranthene	252	11.185	11.185	(0.962)	40161	0.40000	0.42030
142 Benzo(k)fluoranthene	252	11.223	11.223	(0.965)	35729	0.40000	0.38513
143 7,12-dimethylbenz[a]anthracen	256	11.169	11.169	(0.960)	14535	0.40000	0.37233
146 Benzo(a)pyrene	252	11.564	11.564	(0.994)	25010	0.40000	0.37259
149 Indeno(1,2,3-cd)pyrene	276	13.098	13.098	(1.126)	29700	0.40000	0.37074(M)
150 Dibenz(a,h)anthracene	278	13.103	13.103	(1.127)	27111	0.40000	0.38623(M)
151 Benzo(g,h,i)perylene	276	13.530	13.530	(1.164)	25325	0.40000	0.37693
$ 154 Nitrobenzene-d5	82	5.020	5.020	(0.900)	10033	0.40000	0.37973
$ 155 2-Fluorobiphenyl	172	6.404	6.404	(0.924)	26292	0.40000	0.42082
$ 156 Terphenyl-d14	244	9.305	9.305	(0.915)	23338	0.40000	0.39795
$ 157 Phenol-d5	99	4.326	4.326	(0.940)	11309	0.40000	0.39487
$ 158 2-Fluorophenol	112	3.578	3.578	(0.777)	9021	0.40000	0.39702
$ 159 2,4,6-Tribromophenol	330	7.536	7.536	(0.933)	2307	0.40000	0.35573
$ 186 2-Chlorophenol-d4	132	4.427	4.427	(0.962)	12805	0.40000	0.42140
$ 187 1,2-Dichlorobenzene-d4	152	4.721	4.721	(1.026)	8664	0.40000	0.41054

QC Flag Legend

M - Compound response manually integrated.

Data File: V0912IC1.D

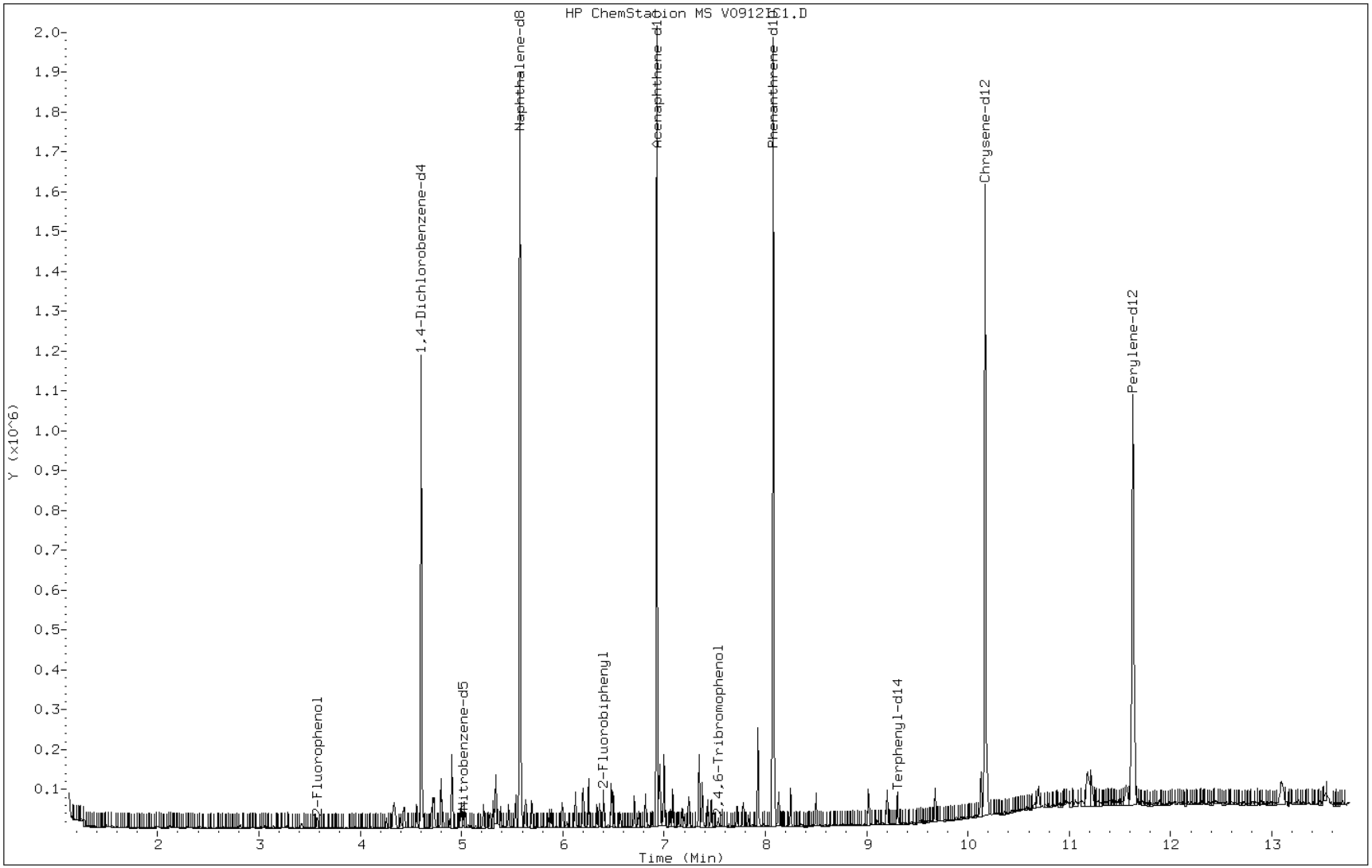
Date: 12-SEP-2012 11:24

Client ID:

Instrument: 731.i

Sample Info: IC 495220

Operator: 003200



Manual Integration Report

Data File: V0912IC1.D
Inj. Date and Time: 12-SEP-2012 11:24
Instrument ID: 731.i
Client ID:
Compound: 198 1,4-Dioxane
CAS #: 123-91-1
Report Date: 09/13/2012

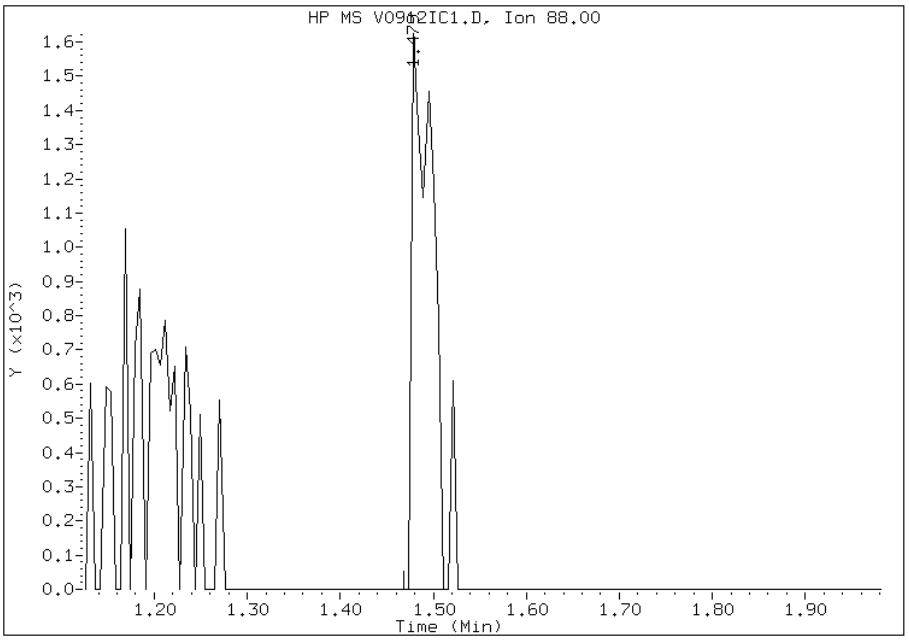
Processing Integration Results

RT: 1.48

Response: 2417

Amount: 0

Conc: 0



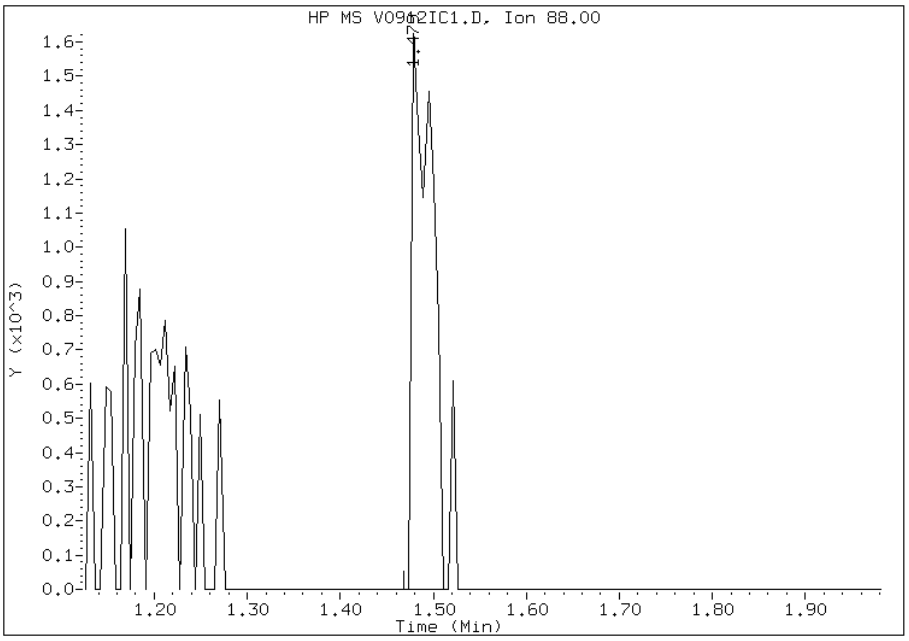
Manual Integration Results

RT: 1.48

Response: 2417

Amount: 0

Conc: 0



Manually Integrated By: piccolinov
Modification Date: 12-Sep-2012 11:53
Manual Integration Reason: Peak Not Found

Manual Integration Report

Data File: V0912IC1.D
Inj. Date and Time: 12-SEP-2012 11:24
Instrument ID: 731.i
Client ID:
Compound: 10 N-Nitrosodimethylamine
CAS #: 62-75-9
Report Date: 09/13/2012

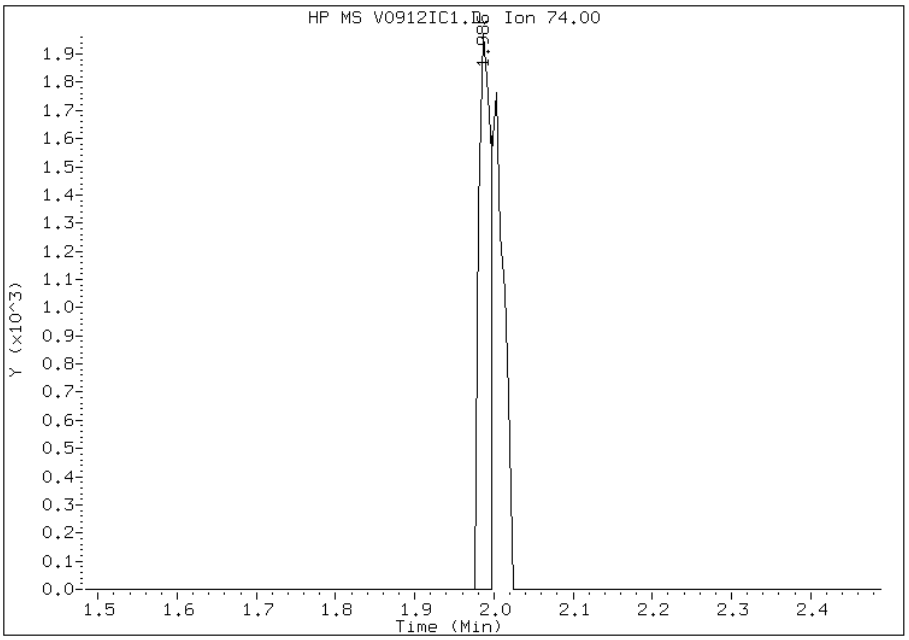
Processing Integration Results

RT: 1.99

Response: 2123

Amount: 0

Conc: 0



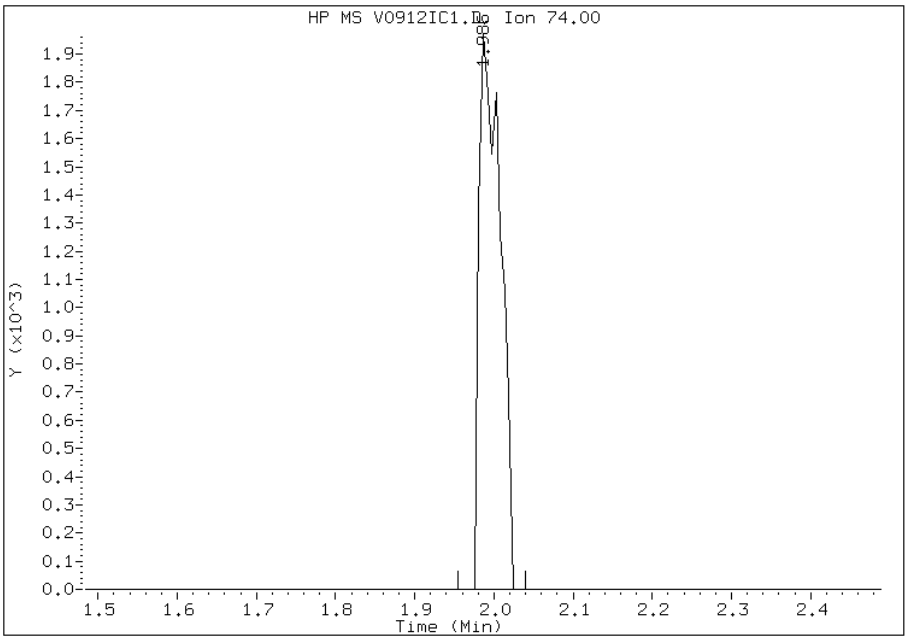
Manual Integration Results

RT: 1.99

Response: 3653

Amount: 0

Conc: 0



Manually Integrated By: piccolinov
Modification Date: 12-Sep-2012 11:53
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V0912IC1.D
Inj. Date and Time: 12-SEP-2012 11:24
Instrument ID: 731.i
Client ID:
Compound: 9 Pyridine
CAS #: 110-86-1
Report Date: 09/13/2012

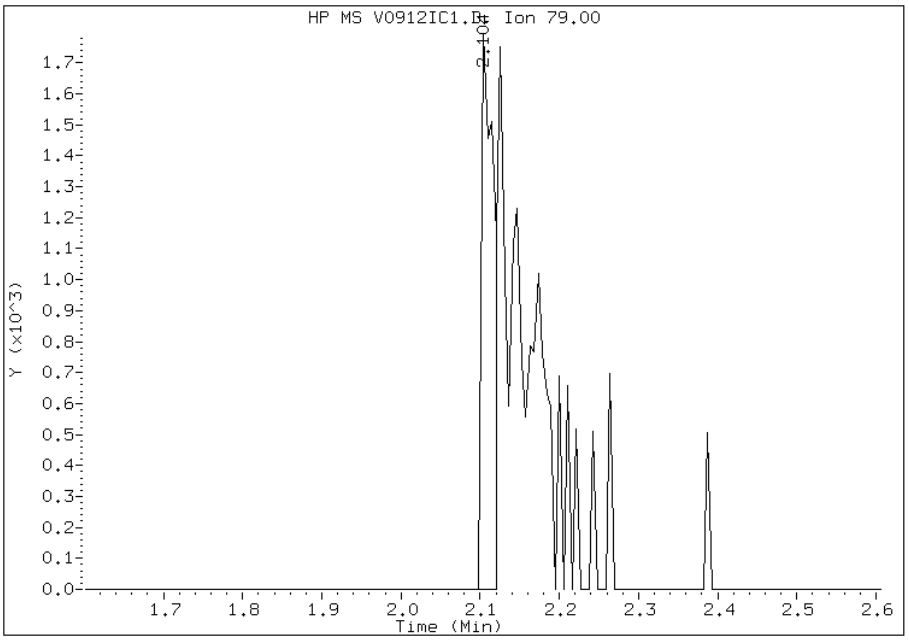
Processing Integration Results

RT: 2.10

Response: 1893

Amount: 0

Conc: 0



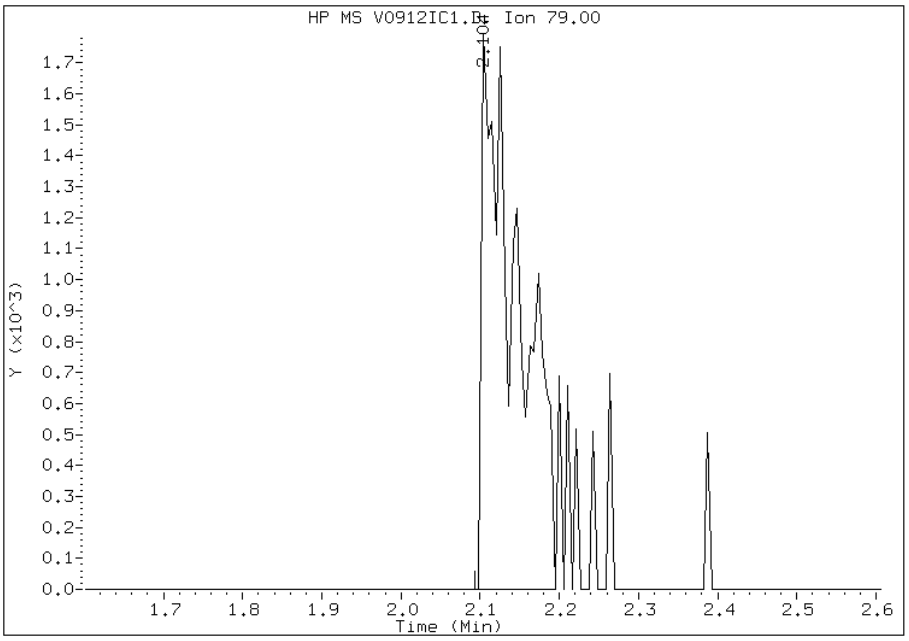
Manual Integration Results

RT: 2.10

Response: 5597

Amount: 0

Conc: 0



Manually Integrated By: piccolinov
Modification Date: 12-Sep-2012 11:53
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V0912IC1.D
Inj. Date and Time: 12-SEP-2012 11:24
Instrument ID: 731.i
Client ID:
Compound: 49 Benzoic Acid
CAS #: 65-85-0
Report Date: 09/13/2012

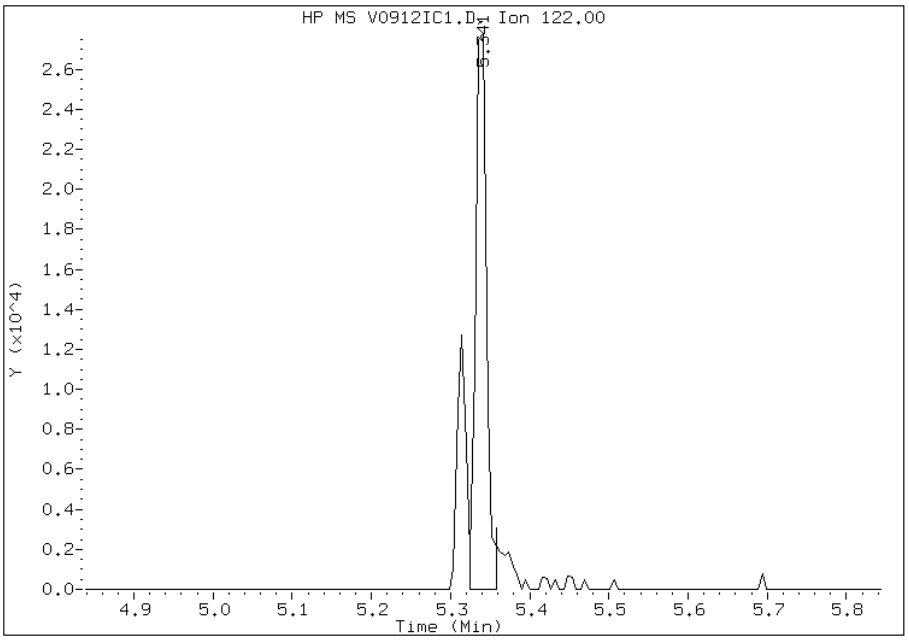
Processing Integration Results

RT: 5.34

Response: 26296

Amount: 2

Conc: 2



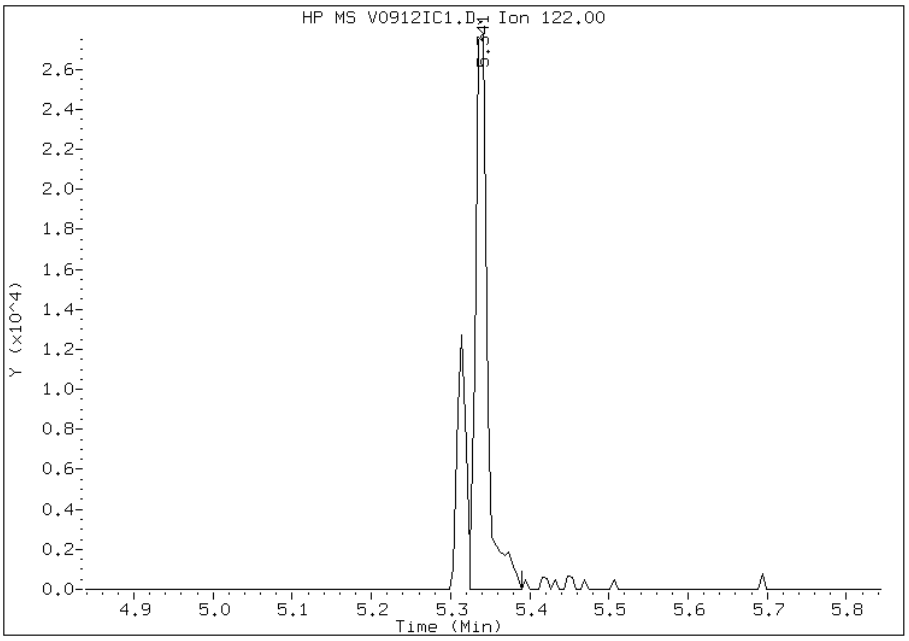
Manual Integration Results

RT: 5.34

Response: 28629

Amount: 2

Conc: 2



Manually Integrated By: piccolinov
Modification Date: 12-Sep-2012 11:55
Manual Integration Reason: Poor Chromatography

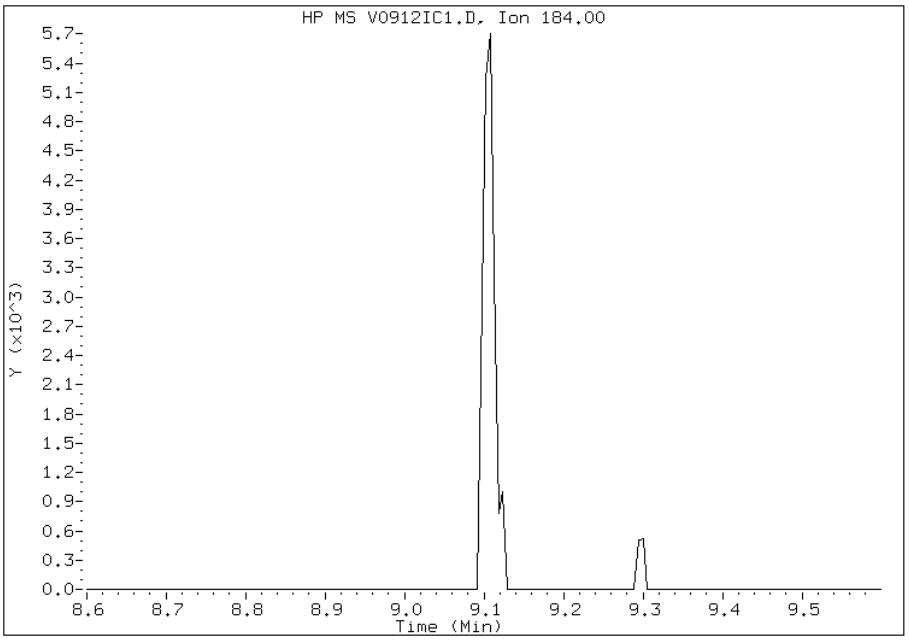
Manual Integration Report

Data File: V0912IC1.D
Inj. Date and Time: 12-SEP-2012 11:24
Instrument ID: 731.i
Client ID:
Compound: 124 Benzidine
CAS #: 92-87-5
Report Date: 09/13/2012

Processing Integration Results

Not Detected

Expected RT: 9.10



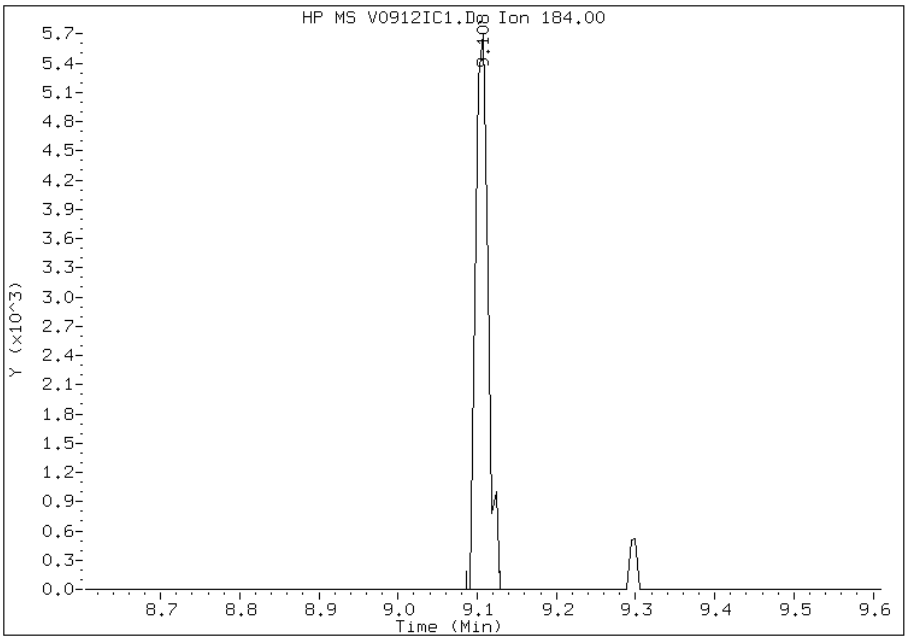
Manual Integration Results

RT: 9.11

Response: 6072

Amount: 0

Conc: 0



Manually Integrated By: piccolinov
Modification Date: 12-Sep-2012 11:55
Manual Integration Reason: Peak Not Found

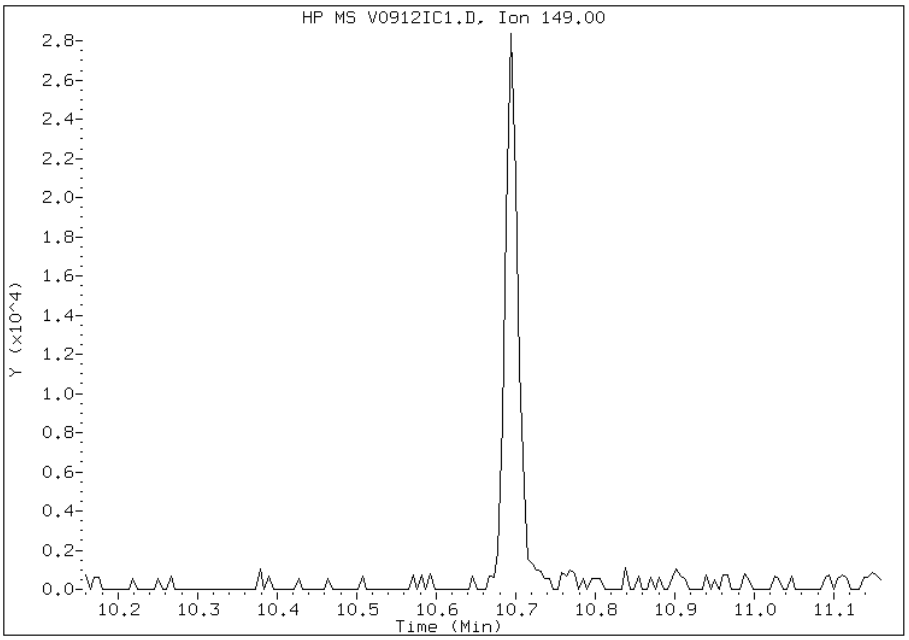
Manual Integration Report

Data File: V0912IC1.D
Inj. Date and Time: 12-SEP-2012 11:24
Instrument ID: 731.i
Client ID:
Compound: 140 Di-n-octylphthalate
CAS #: 117-84-0
Report Date: 09/13/2012

Processing Integration Results

Not Detected

Expected RT: 10.66



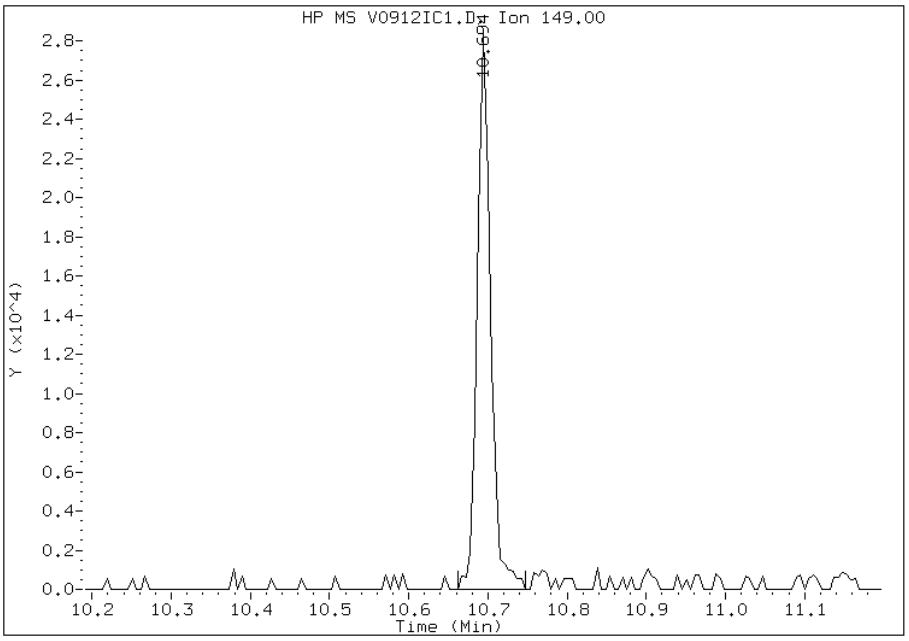
Manual Integration Results

RT: 10.69

Response: 32808

Amount: 0

Conc: 0



Manually Integrated By: piccolinov
Modification Date: 12-Sep-2012 11:56
Manual Integration Reason: Peak Not Found

Manual Integration Report

Data File: V0912IC1.D
Inj. Date and Time: 12-SEP-2012 11:24
Instrument ID: 731.i
Client ID:
Compound: 149 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 09/13/2012

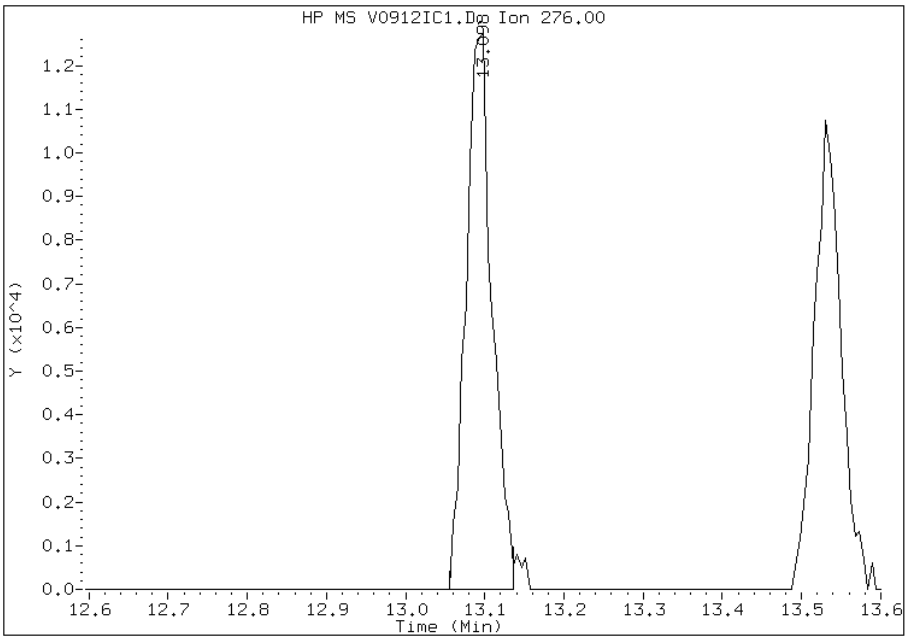
Processing Integration Results

RT: 13.10

Response: 29042

Amount: 0

Conc: 0



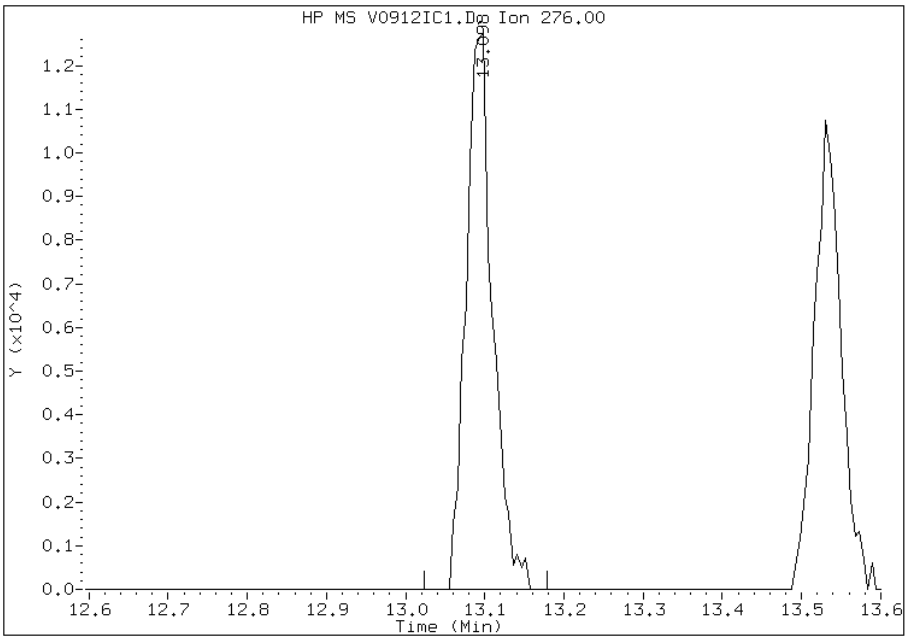
Manual Integration Results

RT: 13.10

Response: 29700

Amount: 0

Conc: 0



Manually Integrated By: piccolinov
Modification Date: 12-Sep-2012 11:56
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V0912IC1.D
Inj. Date and Time: 12-SEP-2012 11:24
Instrument ID: 731.i
Client ID:
Compound: 150 Dibenz(a,h)anthracene
CAS #: 53-70-3
Report Date: 09/13/2012

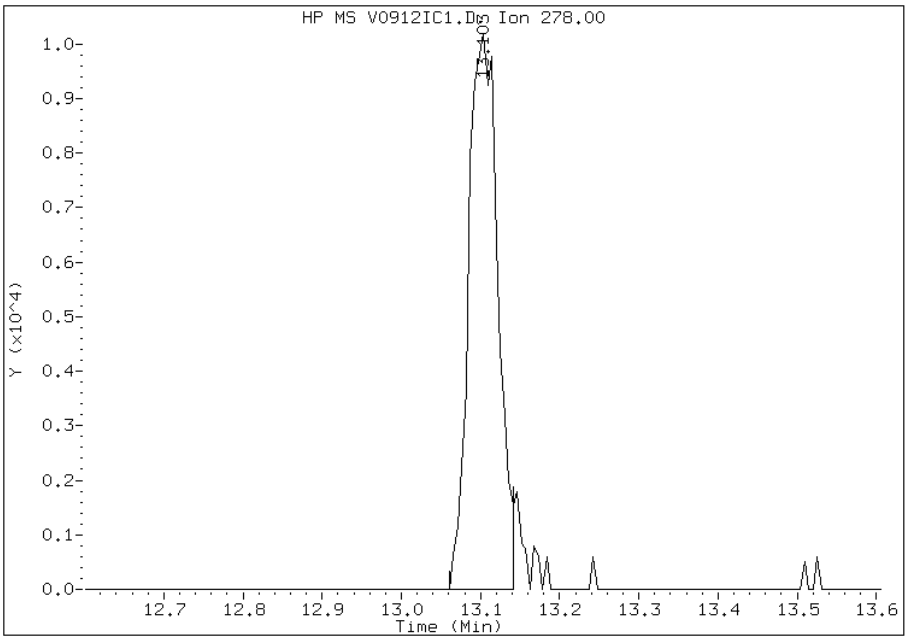
Processing Integration Results

RT: 13.10

Response: 26028

Amount: 0

Conc: 0



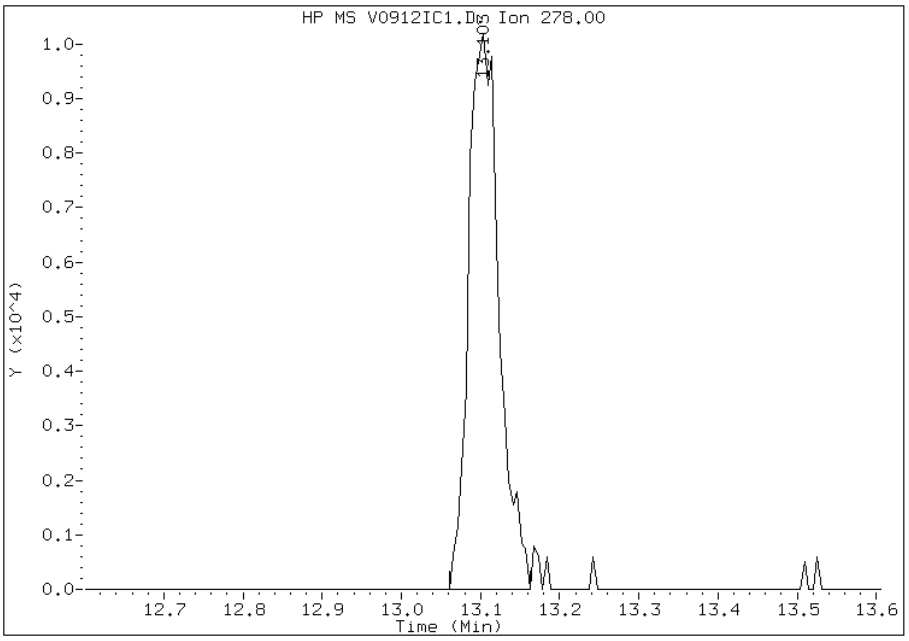
Manual Integration Results

RT: 13.10

Response: 27111

Amount: 0

Conc: 0



Manually Integrated By: piccolinov
Modification Date: 12-Sep-2012 11:56
Manual Integration Reason: Poor Chromatography

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV091212.b\V0912IC2.D
Lab Smp Id: IC 495226
Inj Date : 12-SEP-2012 11:47
Operator : 003200 Inst ID: 731.i
Smp Info : IC 495226
Misc Info : TV091212.b,T8270ll.m,padepi.sub
Comment :
Method : \\PITSVR06\D\chem\731.i\TV091212.b\T8270ll.m
Meth Date : 12-Sep-2012 12:14 piccolinov Quant Type: ISTD
Cal Date : 12-SEP-2012 11:47 Cal File: V0912IC2.D
Als bottle: 91 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: padepi.sub
Target Version: 4.14
Processing Host: PITPC-502

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 1,4-Dichlorobenzene-d4	152	4.600	4.600	(1.000)	160746	8.00000	
* 2 Naphthalene-d8	136	5.572	5.572	(1.000)	658395	8.00000	
* 3 Acenaphthene-d10	164	6.923	6.923	(1.000)	350852	8.00000	
* 4 Phenanthrene-d10	188	8.072	8.072	(1.000)	578534	8.00000	
* 5 Chrysene-d12	240	10.177	10.177	(1.000)	574147	8.00000	
* 6 Perylene-d12	264	11.635	11.635	(1.000)	563670	8.00000	
198 1,4-Dioxane	88	1.464	1.464	(0.318)	14013	2.00000	2.1838
10 N-Nitrosodimethylamine	74	1.961	1.961	(0.426)	19906	2.00000	2.1806(M)
9 Pyridine	79	2.030	2.030	(0.441)	37653	2.00000	2.3046(M)
16 Methyl methanesulfonate	80	3.408	3.408	(0.741)	22135	2.00000	2.0361
206 Benzaldehyde	77	4.252	4.252	(0.925)	20531	2.00000	1.8279
21 Aniline	93	4.343	4.343	(0.944)	68021	2.00000	2.1196
22 Phenol	94	4.332	4.332	(0.942)	67141	2.00000	2.0204
23 bis(2-Chloroethyl)ether	93	4.397	4.397	(0.956)	45583	2.00000	2.0070
24 2-Chlorophenol	128	4.434	4.434	(0.964)	55623	2.00000	1.9875
26 1,3-Dichlorobenzene	146	4.557	4.557	(0.991)	68129	2.00000	2.0082
27 1,4-Dichlorobenzene	146	4.610	4.610	(1.002)	68384	2.00000	1.9973
28 1,2-Dichlorobenzene	146	4.728	4.728	(1.028)	66877	2.00000	1.9889
217 Indene	116	4.797	4.797	(1.043)	90855	2.00000	2.0577
29 Benzyl Alcohol	108	4.701	4.701	(1.022)	31881	2.00000	1.9101
30 2-Methylphenol	108	4.792	4.792	(1.042)	49744	2.00000	2.0326
31 2,2'-oxybis(1-Chloropropane)	45	4.813	4.813	(1.046)	64442	2.00000	1.9864
37 Acetophenone	105	4.904	4.904	(1.066)	74297	2.00000	1.7737
32 N-Nitroso-di-n-propylamine	70	4.904	4.904	(1.066)	32999	2.00000	2.0361
192 4-Methylphenol	108	4.904	4.904	(1.066)	48409	2.00000	2.0725
34 Hexachloroethane	117	4.990	4.990	(1.085)	27626	2.00000	1.9894
35 Nitrobenzene	77	5.032	5.032	(0.903)	51547	2.00000	1.9337
36 N-Nitrosopyrrolidine	100	4.877	4.877	(1.060)	18902	2.00000	2.0051

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
41 Isophorone	82	5.214	5.214	(0.936)	82317	2.00000	1.9331
42 2-Nitrophenol	139	5.278	5.278	(0.947)	29686	2.00000	1.9555
43 2,4-Dimethylphenol	107	5.310	5.310	(0.953)	49518	2.00000	1.9596
44 bis(2-Chloroethoxy)methane	93	5.380	5.380	(0.965)	53211	2.00000	1.9760
48 2,4-Dichlorophenol	162	5.460	5.460	(0.980)	45564	2.00000	1.8984
49 Benzoic Acid	122	5.342	5.342	(0.959)	57519	4.00000	3.8245(M)
50 1,2,4-Trichlorobenzene	180	5.529	5.529	(0.992)	58151	2.00000	1.9467
51 Naphthalene	128	5.588	5.588	(1.003)	166611	2.00000	1.9559
52 4-Chloroaniline	127	5.625	5.625	(1.010)	63051	2.00000	1.9664
54 2,6-Dichlorophenol	162	5.636	5.636	(1.012)	43783	2.00000	1.9447
56 Hexachlorobutadiene	225	5.695	5.695	(1.022)	35106	2.00000	2.0436
208 Caprolactam	113	5.855	5.855	(1.051)	10477	2.00000	1.9117
59 4-Chloro-3-Methylphenol	107	5.989	5.989	(1.075)	42009	2.00000	1.9539
62 2-Methylnaphthalene	142	6.117	6.117	(1.098)	113666	2.00000	1.9808
63 1-Methylnaphthalene	142	6.197	6.197	(1.112)	108681	2.00000	2.0083
64 Hexachlorocyclopentadiene	237	6.250	6.250	(0.903)	32743	2.00000	1.9953
65 1,2,4,5-Tetrachlorobenzene	216	6.250	6.250	(0.903)	52344	2.00000	2.0026
66 2,4,6-Trichlorophenol	196	6.336	6.336	(0.915)	35018	2.00000	2.0222
67 2,4,5-Trichlorophenol	196	6.357	6.357	(0.918)	37378	2.00000	1.9587
209 1,1'-Biphenyl	154	6.475	6.475	(0.935)	129205	2.00000	1.9652
70 2-Chloronaphthalene	162	6.496	6.496	(0.938)	106920	2.00000	2.0152
73 2-Nitroaniline	65	6.560	6.560	(0.948)	25328	2.00000	2.0154
76 Dimethylphthalate	163	6.699	6.699	(0.968)	108857	2.00000	1.9753
78 2,6-Dinitrotoluene	165	6.747	6.747	(0.975)	22951	2.00000	2.0404
79 Acenaphthylene	152	6.817	6.817	(0.985)	155308	2.00000	1.9687
81 3-Nitroaniline	138	6.875	6.875	(0.993)	26628	2.00000	2.0649
82 Acenaphthene	153	6.950	6.950	(1.004)	100479	2.00000	1.9602
83 2,4-Dinitrophenol	184	6.955	6.955	(1.005)	26735	4.00000	3.8613
85 4-Nitrophenol	109	6.993	6.993	(1.010)	27431	4.00000	4.0977
86 Dibenzofuran	168	7.084	7.084	(1.023)	146181	2.00000	1.9558
87 2,4-Dinitrotoluene	165	7.057	7.057	(1.019)	30989	2.00000	2.0181
91 2,3,5,6-Tetrachlorophenol	232	7.142	7.142	(1.032)	26682	2.00000	1.9831
88 2,3,4,6-Tetrachlorophenol	232	7.175	7.175	(1.036)	27606	2.00000	1.9804
92 2-Naphthylamine	143	7.196	7.196	(1.039)	52838	2.00000	2.3358
93 Diethylphthalate	149	7.244	7.244	(1.046)	103039	2.00000	1.8980
94 Fluorene	166	7.345	7.345	(1.061)	116450	2.00000	2.0079
95 4-Chlorophenyl-phenylether	204	7.340	7.340	(1.060)	55319	2.00000	1.9688
96 4-Nitroaniline	138	7.345	7.345	(1.061)	27295	2.00000	2.0013
98 4,6-Dinitro-2-methylphenol	198	7.372	7.372	(0.913)	33511	4.00000	4.0445
99 N-Nitrosodiphenylamine (1)	169	7.431	7.431	(0.921)	74621	2.00000	1.9589
100 1,2-Diphenylhydrazine	77	7.463	7.463	(0.925)	101336	2.00000	1.9342
106 4-Bromophenyl-phenylether	248	7.719	7.719	(0.956)	31259	2.00000	2.0864
107 Hexachlorobenzene	284	7.778	7.778	(0.964)	31609	2.00000	2.0804
210 Atrazine	200	7.826	7.826	(0.970)	17808	2.00000	2.2851
111 Pentachlorophenol	266	7.922	7.922	(0.981)	44337	4.00000	4.0188(M)
115 Phenanthrene	178	8.093	8.093	(1.003)	167773	2.00000	2.0209
116 Anthracene	178	8.131	8.131	(1.007)	167109	2.00000	2.0054
119 Carbazole	167	8.248	8.248	(1.022)	147769	2.00000	1.9992
120 Di-n-Butylphthalate	149	8.499	8.499	(1.053)	178288	2.00000	2.0133
123 Fluoranthene	202	9.018	9.018	(1.117)	168065	2.00000	1.9600
124 Benzidine	184	9.108	9.108	(0.895)	34231	2.00000	2.0671
125 Pyrene	202	9.199	9.199	(0.904)	178965	2.00000	1.9266
131 Butylbenzylphthalate	149	9.680	9.680	(0.951)	73698	2.00000	1.9044
135 3,3'-Dichlorobenzidine	252	10.129	10.129	(0.995)	50101	2.00000	1.9851

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
136 Benzo(a)Anthracene	228	10.166	10.166	(0.999)	161408	2.00000	1.9317
137 Chrysene	228	10.198	10.198	(1.002)	150936	2.00000	2.0093(M)
139 bis(2-ethylhexyl)Phthalate	149	10.139	10.139	(0.996)	104882	2.00000	1.9032(M)
140 Di-n-octylphthalate	149	10.706	10.706	(0.920)	171581	2.00000	1.9433
141 Benzo(b)fluoranthene	252	11.197	11.197	(0.962)	186915	2.00000	2.0057
142 Benzo(k)fluoranthene	252	11.229	11.229	(0.965)	176160	2.00000	1.9662(M)
143 7,12-dimethylbenz[a]anthracen	256	11.181	11.181	(0.961)	71951	2.00000	1.9270
146 Benzo(a)pyrene	252	11.571	11.571	(0.994)	133901	2.00000	2.0320
149 Indeno(1,2,3-cd)pyrene	276	13.104	13.104	(1.126)	160401	2.00000	2.0370(M)
150 Dibenz(a,h)anthracene	278	13.115	13.115	(1.127)	135570	2.00000	1.9887(M)
151 Benzo(g,h,i)perylene	276	13.542	13.542	(1.164)	133874	2.00000	2.0304(M)
$ 154 Nitrobenzene-d5	82	5.016	5.016	(0.900)	52768	2.00000	2.0715
$ 155 2-Fluorobiphenyl	172	6.400	6.400	(0.924)	112944	2.00000	1.9389
$ 156 Terphenyl-d14	244	9.306	9.306	(0.914)	106884	2.00000	1.9116
$ 157 Phenol-d5	99	4.322	4.322	(0.940)	56976	2.00000	2.0638
$ 158 2-Fluorophenol	112	3.574	3.574	(0.777)	47331	2.00000	2.1265
$ 159 2,4,6-Tribromophenol	330	7.532	7.532	(0.933)	12030	2.00000	2.0112
$ 186 2-Chlorophenol-d4	132	4.423	4.423	(0.962)	58341	2.00000	2.0160
$ 187 1,2-Dichlorobenzene-d4	152	4.717	4.717	(1.026)	42637	2.00000	2.0847

QC Flag Legend

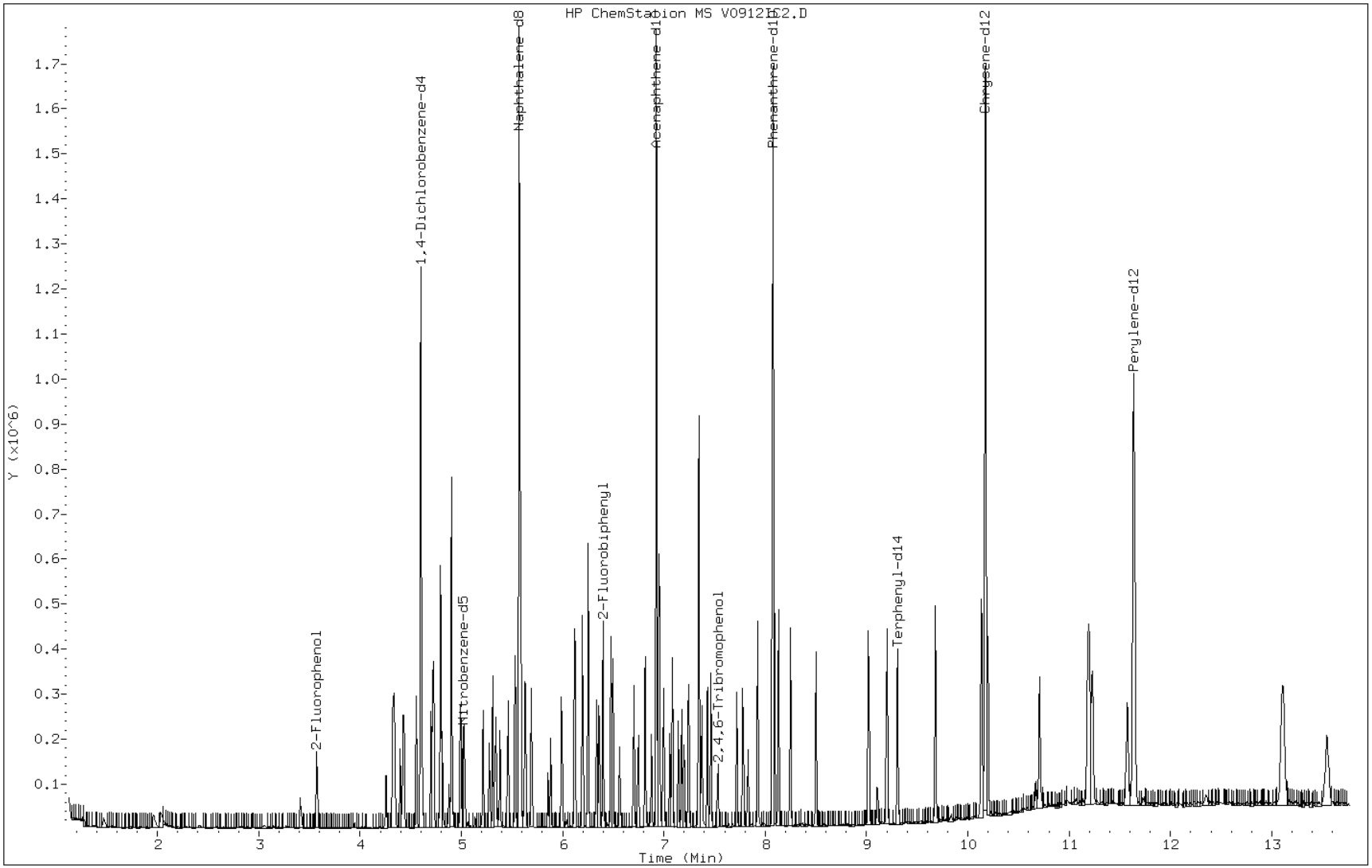
M - Compound response manually integrated.

Data File: V0912IC2.D

Date: 12-SEP-2012 11:47

Client ID: Instrument: 731.i

Sample Info: IC 495226 Operator: 003200



Manual Integration Report

Data File: V0912IC2.D
Inj. Date and Time: 12-SEP-2012 11:47
Instrument ID: 731.i
Client ID:
Compound: 10 N-Nitrosodimethylamine
CAS #: 62-75-9
Report Date: 09/13/2012

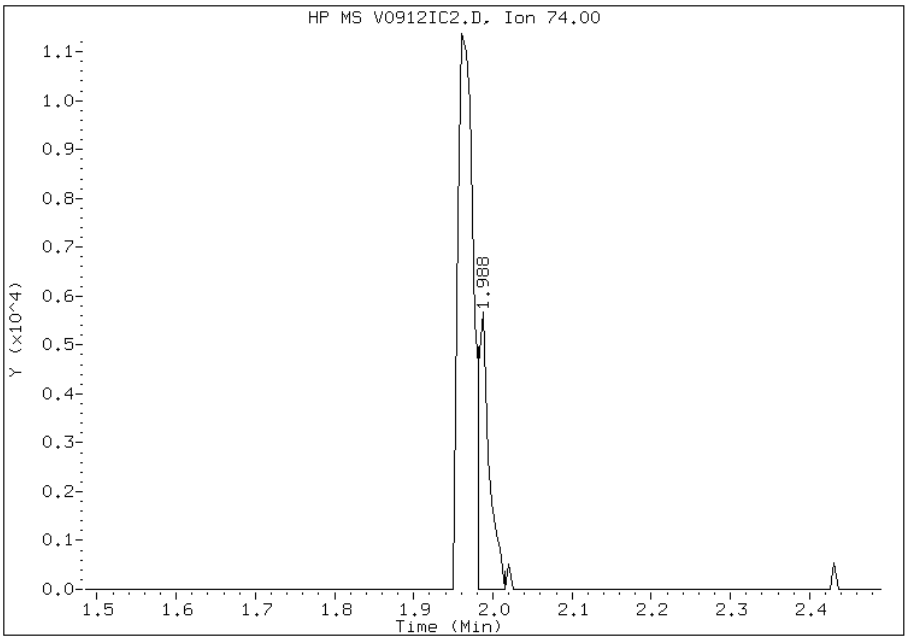
Processing Integration Results

RT: 1.99

Response: 5353

Amount: 1

Conc: 1



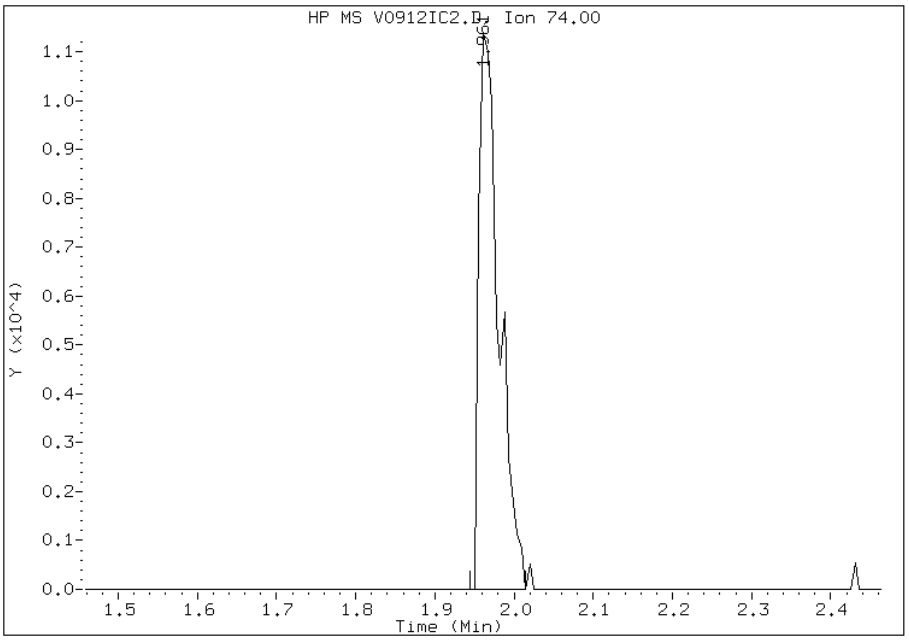
Manual Integration Results

RT: 1.96

Response: 19906

Amount: 2

Conc: 2



Manually Integrated By: piccolinov
Modification Date: 12-Sep-2012 12:14
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V0912IC2.D
Inj. Date and Time: 12-SEP-2012 11:47
Instrument ID: 731.i
Client ID:
Compound: 9 Pyridine
CAS #: 110-86-1
Report Date: 09/13/2012

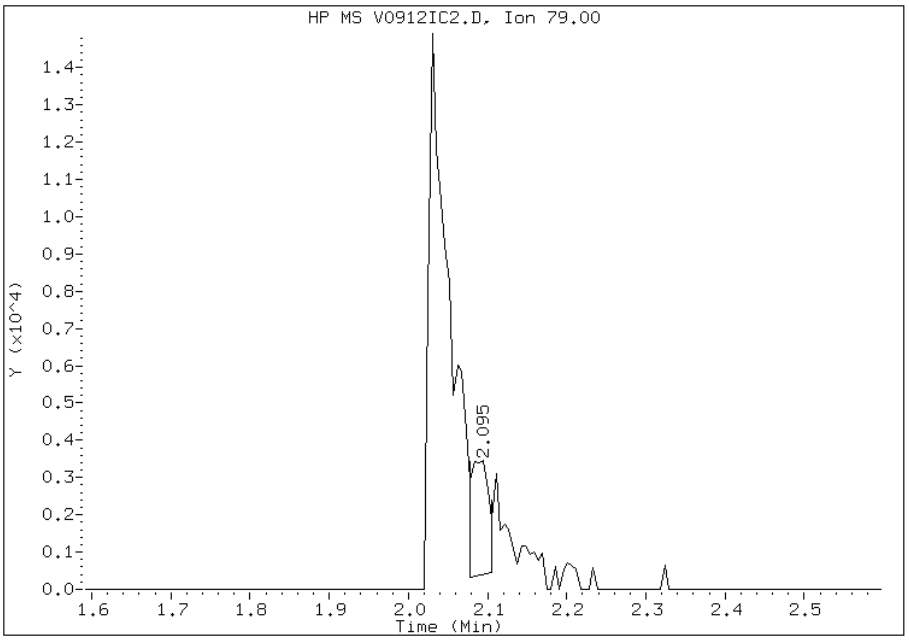
Processing Integration Results

RT: 2.09

Response: 4951

Amount: 0

Conc: 0



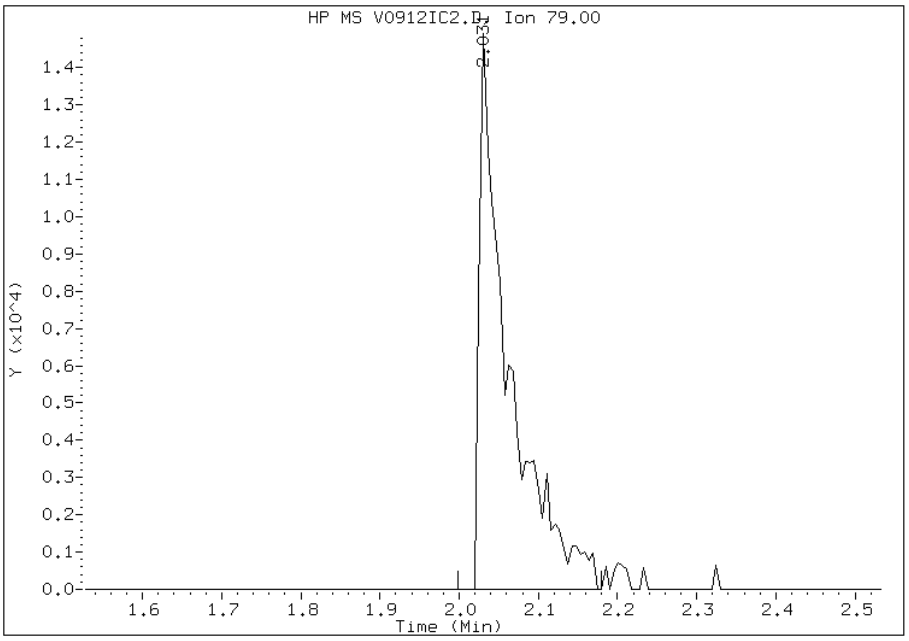
Manual Integration Results

RT: 2.03

Response: 37653

Amount: 2

Conc: 2



Manually Integrated By: piccolinov
Modification Date: 12-Sep-2012 12:14
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V0912IC2.D
Inj. Date and Time: 12-SEP-2012 11:47
Instrument ID: 731.i
Client ID:
Compound: 49 Benzoic Acid
CAS #: 65-85-0
Report Date: 09/13/2012

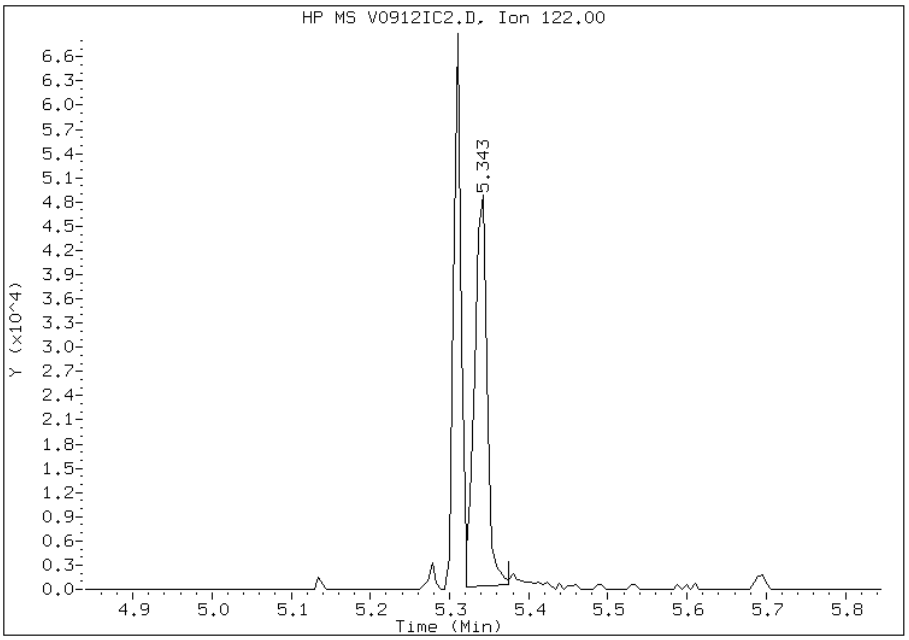
Processing Integration Results

RT: 5.34

Response: 52866

Amount: 4

Conc: 4



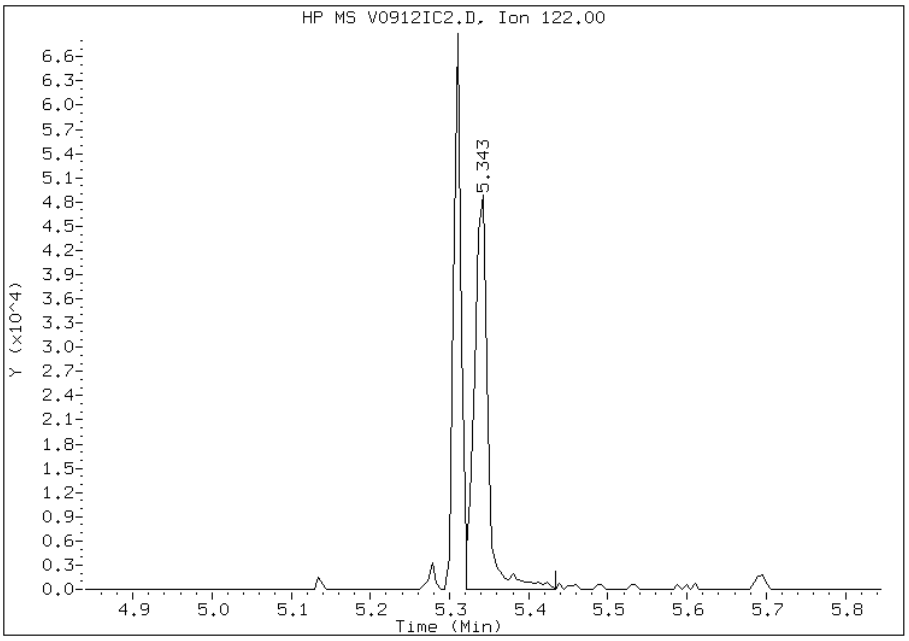
Manual Integration Results

RT: 5.34

Response: 57519

Amount: 4

Conc: 4



Manually Integrated By: piccolinov
Modification Date: 12-Sep-2012 12:14
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V0912IC2.D
Inj. Date and Time: 12-SEP-2012 11:47
Instrument ID: 731.i
Client ID:
Compound: 111 Pentachlorophenol
CAS #: 87-86-5
Report Date: 09/13/2012

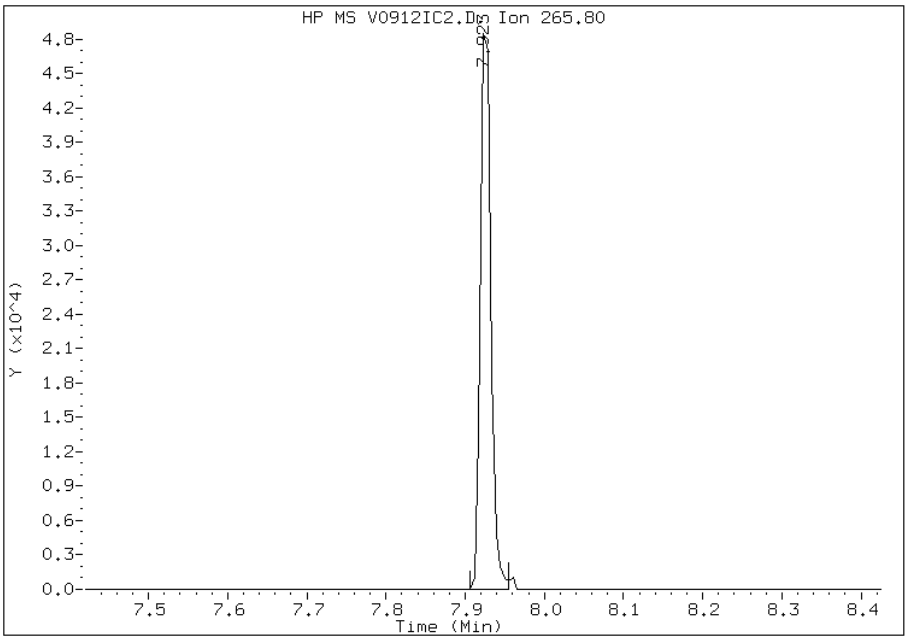
Processing Integration Results

RT: 7.92

Response: 44021

Amount: 4

Conc: 4



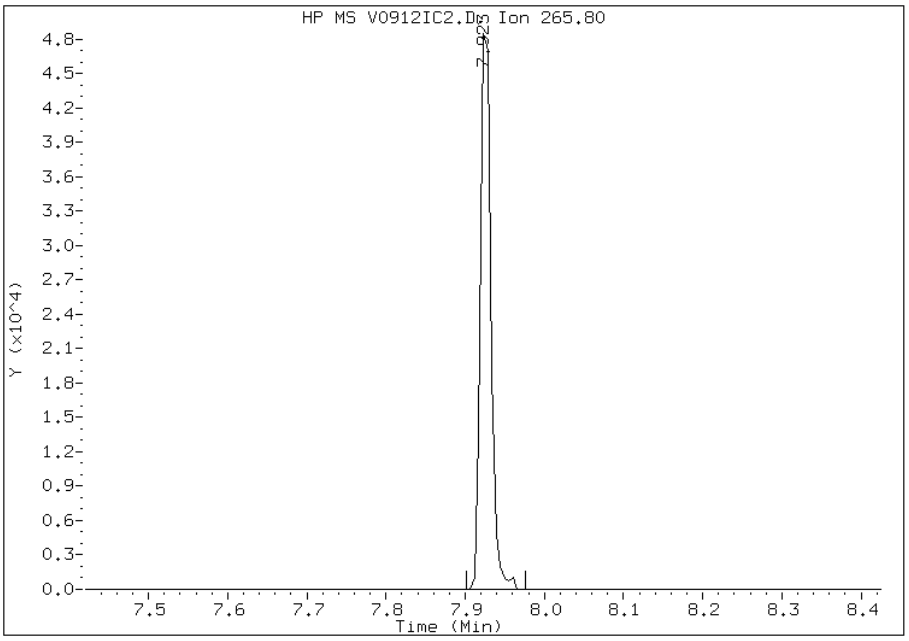
Manual Integration Results

RT: 7.92

Response: 44337

Amount: 4

Conc: 4



Manually Integrated By: piccolinov
Modification Date: 12-Sep-2012 12:15
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V0912IC2.D
Inj. Date and Time: 12-SEP-2012 11:47
Instrument ID: 731.i
Client ID:
Compound: 139 bis(2-ethylhexyl)Phthalate
CAS #: 117-81-7
Report Date: 09/13/2012

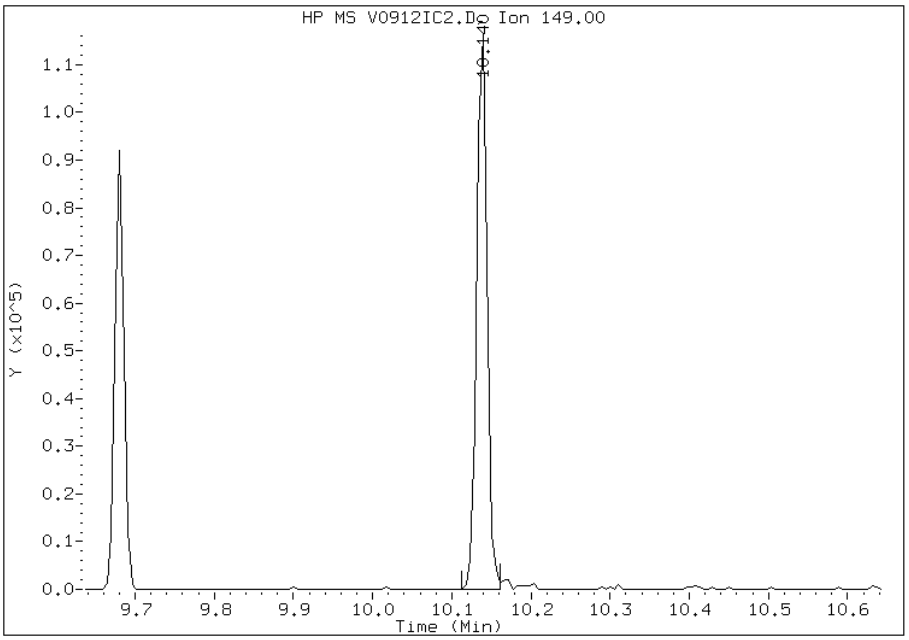
Processing Integration Results

RT: 10.14

Response: 103652

Amount: 2

Conc: 2



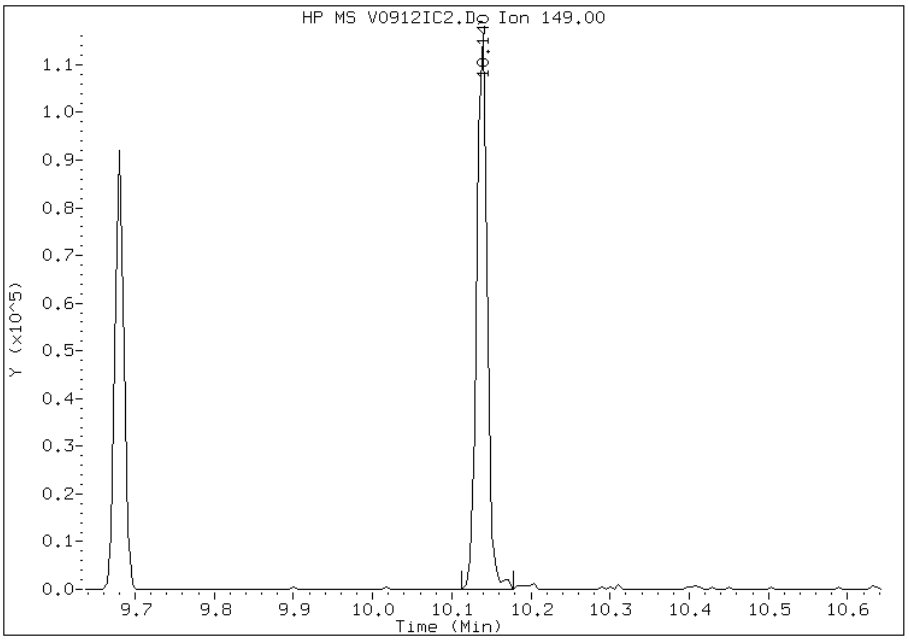
Manual Integration Results

RT: 10.14

Response: 104882

Amount: 2

Conc: 2



Manually Integrated By: piccolinov
Modification Date: 12-Sep-2012 12:15
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V0912IC2.D
Inj. Date and Time: 12-SEP-2012 11:47
Instrument ID: 731.i
Client ID:
Compound: 137 Chrysene
CAS #: 218-01-9
Report Date: 09/13/2012

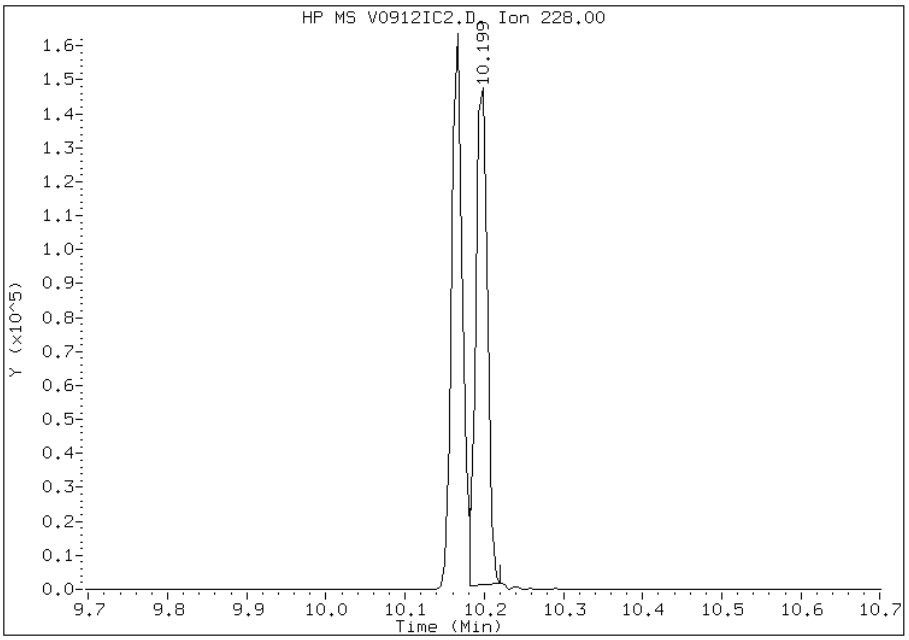
Processing Integration Results

RT: 10.20

Response: 147052

Amount: 2

Conc: 2



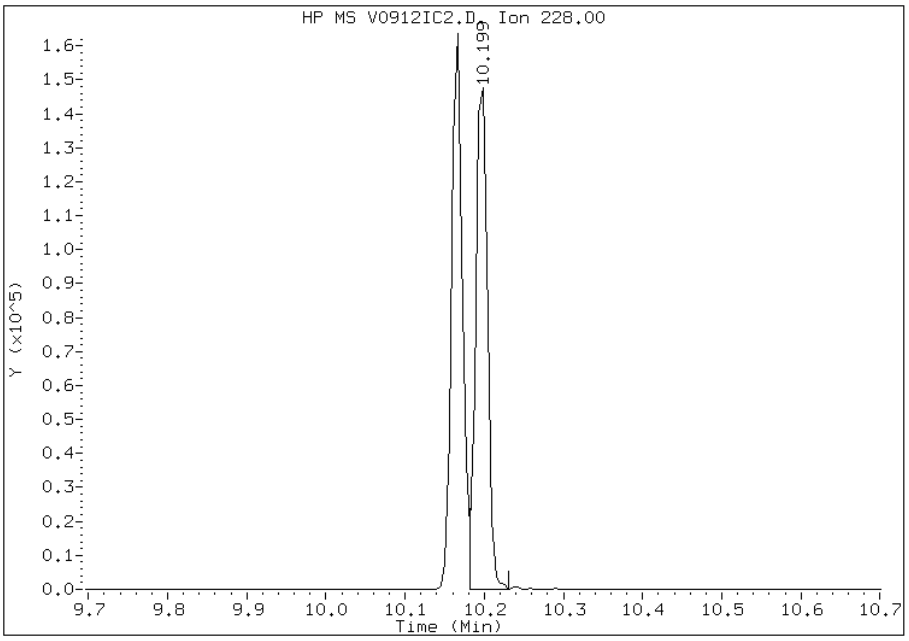
Manual Integration Results

RT: 10.20

Response: 150936

Amount: 2

Conc: 2



Manually Integrated By: piccolinov
Modification Date: 12-Sep-2012 12:15
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V0912IC2.D
Inj. Date and Time: 12-SEP-2012 11:47
Instrument ID: 731.i
Client ID:
Compound: 142 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 09/13/2012

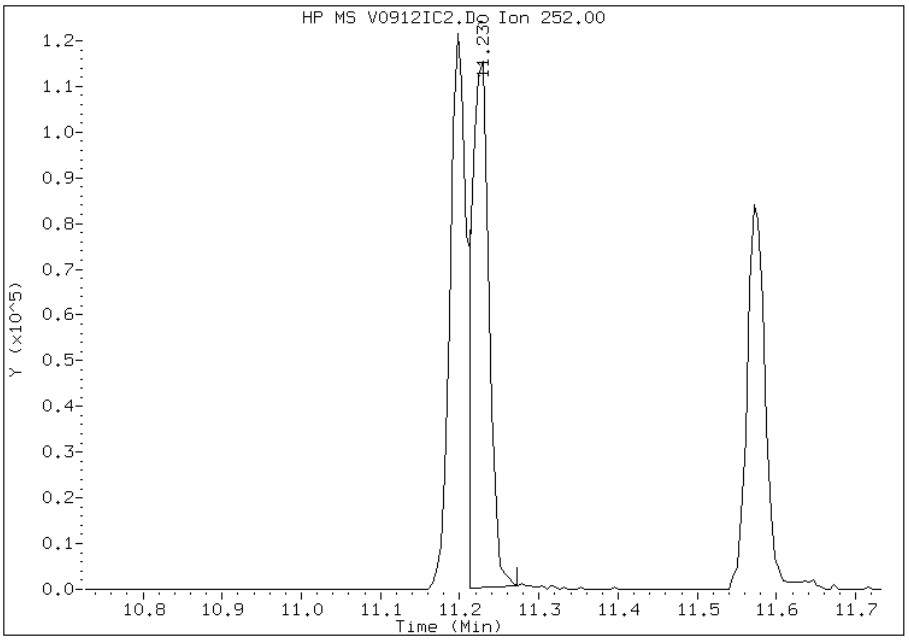
Processing Integration Results

RT: 11.23

Response: 172247

Amount: 2

Conc: 2



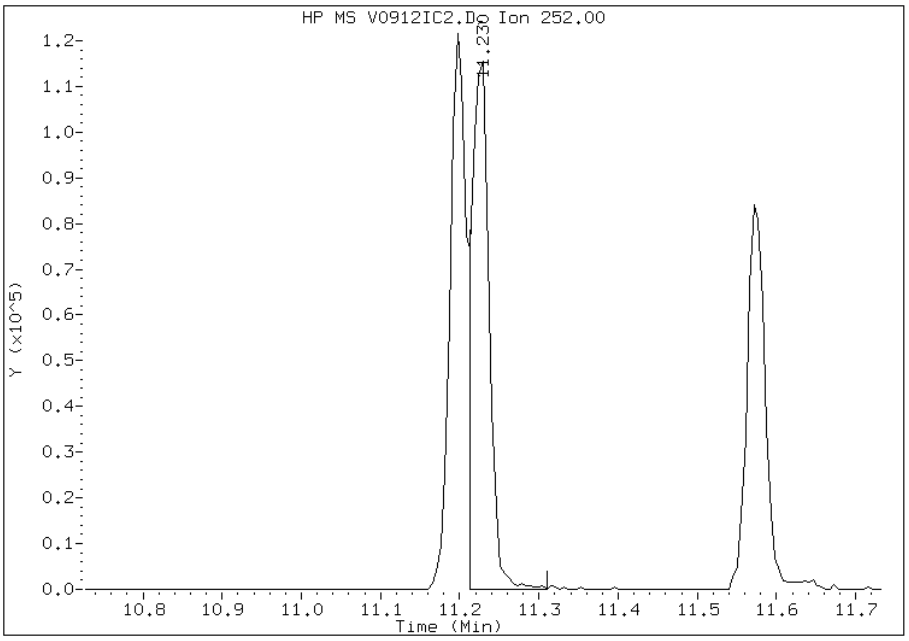
Manual Integration Results

RT: 11.23

Response: 176160

Amount: 2

Conc: 2



Manually Integrated By: piccolinov
Modification Date: 12-Sep-2012 12:16
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V0912IC2.D
Inj. Date and Time: 12-SEP-2012 11:47
Instrument ID: 731.i
Client ID:
Compound: 149 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 09/13/2012

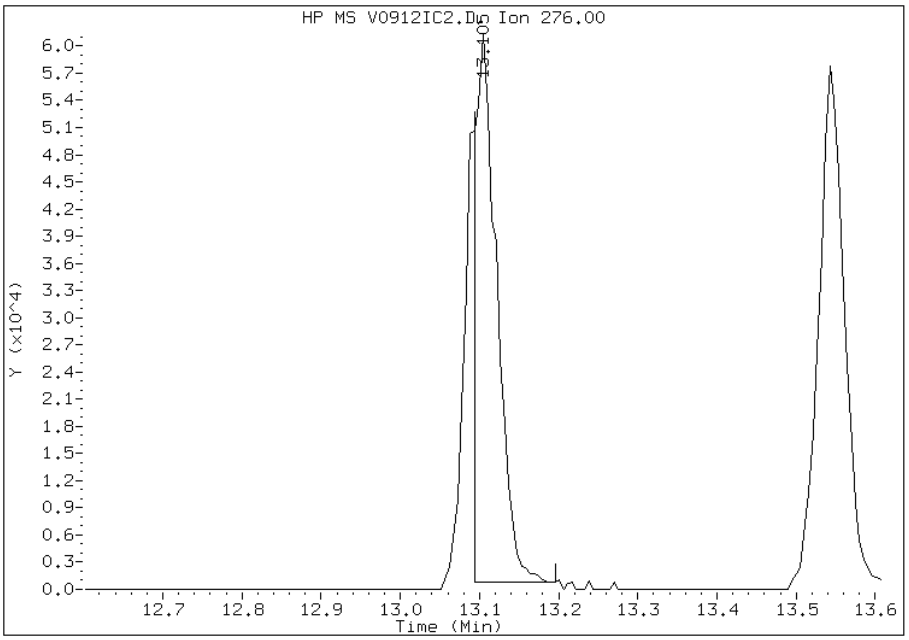
Processing Integration Results

RT: 13.10

Response: 116024

Amount: 2

Conc: 2



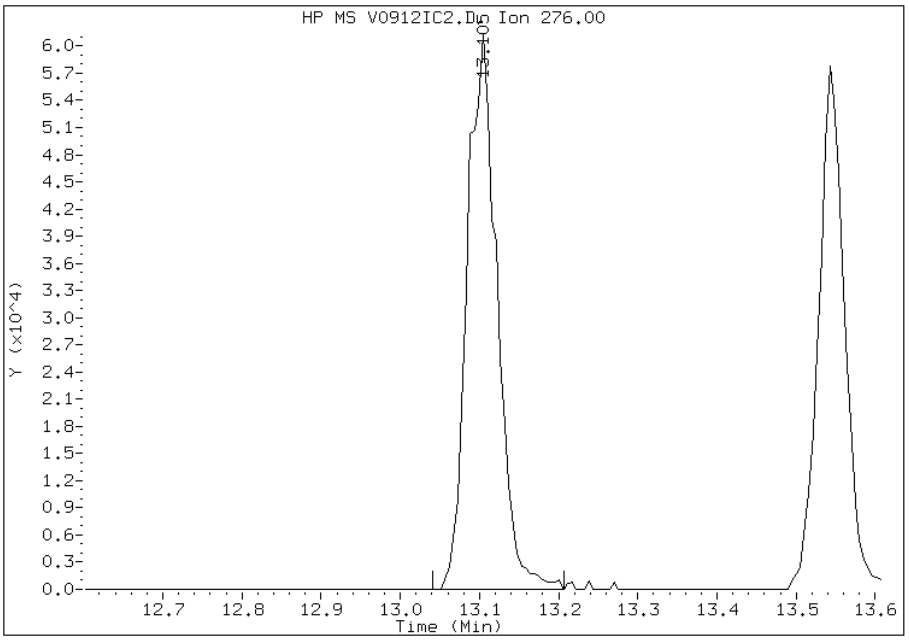
Manual Integration Results

RT: 13.10

Response: 160401

Amount: 2

Conc: 2



Manually Integrated By: piccolinov
Modification Date: 12-Sep-2012 12:16
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V0912IC2.D
Inj. Date and Time: 12-SEP-2012 11:47
Instrument ID: 731.i
Client ID:
Compound: 150 Dibenz(a,h)anthracene
CAS #: 53-70-3
Report Date: 09/13/2012

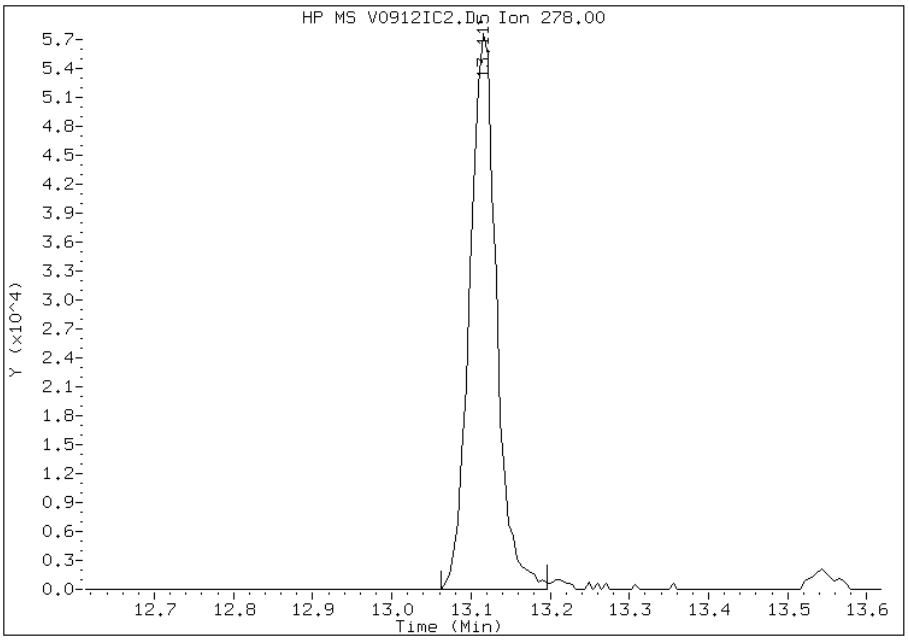
Processing Integration Results

RT: 13.12

Response: 134188

Amount: 2

Conc: 2



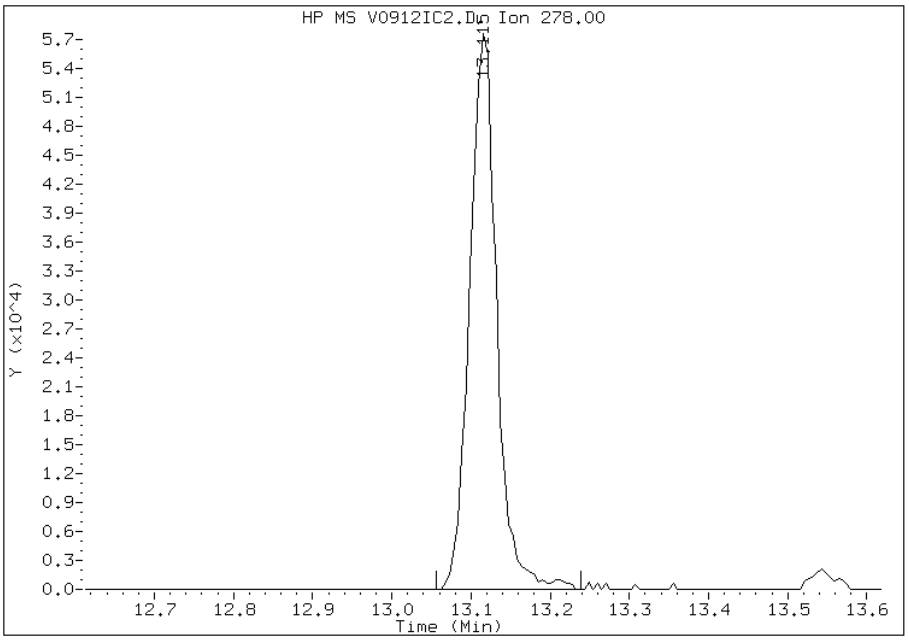
Manual Integration Results

RT: 13.12

Response: 135570

Amount: 2

Conc: 2



Manually Integrated By: piccolinov
Modification Date: 12-Sep-2012 12:16
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V0912IC2.D
Inj. Date and Time: 12-SEP-2012 11:47
Instrument ID: 731.i
Client ID:
Compound: 151 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 09/13/2012

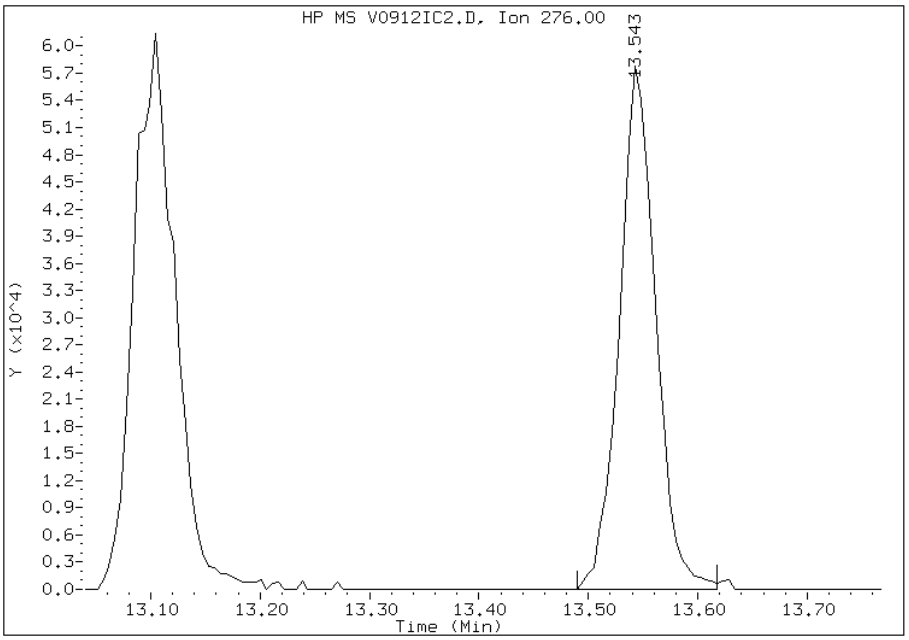
Processing Integration Results

RT: 13.54

Response: 133230

Amount: 2

Conc: 2



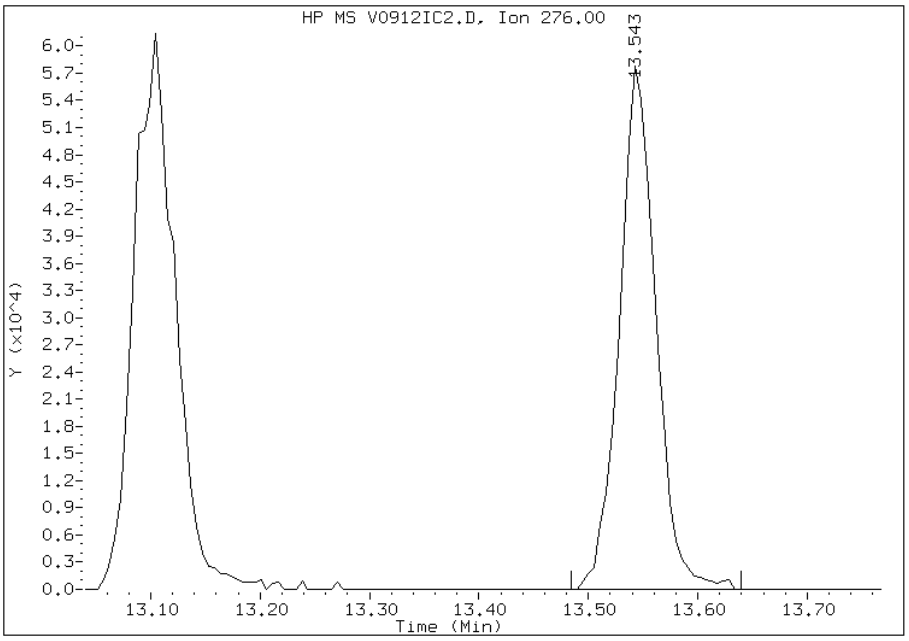
Manual Integration Results

RT: 13.54

Response: 133874

Amount: 2

Conc: 2



Manually Integrated By: piccolinov
Modification Date: 12-Sep-2012 12:16
Manual Integration Reason: Poor Chromatography

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV091212.b\V0912IC4.D
Lab Smp Id: IC 495230
Inj Date : 12-SEP-2012 12:11
Operator : 003200 Inst ID: 731.i
Smp Info : IC 495230
Misc Info : TV091212.b,T8270ll.m,padepi.sub
Comment :
Method : \\PITSVR06\D\chem\731.i\TV091212.b\T8270ll.m
Meth Date : 12-Sep-2012 12:55 731.i Quant Type: ISTD
Cal Date : 12-SEP-2012 11:47 Cal File: V0912IC2.D
Als bottle: 92 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: padepi.sub
Target Version: 4.14

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 1,4-Dichlorobenzene-d4	152	4.596	4.596	(1.000)	162722	8.00000	
* 2 Naphthalene-d8	136	5.569	5.569	(1.000)	640353	8.00000	
* 3 Acenaphthene-d10	164	6.920	6.920	(1.000)	358276	8.00000	
* 4 Phenanthrene-d10	188	8.069	8.069	(1.000)	603149	8.00000	
* 5 Chrysene-d12	240	10.189	10.189	(1.000)	569521	8.00000	
* 6 Perylene-d12	264	11.659	11.659	(1.000)	560126	8.00000	
198 1,4-Dioxane	88	1.460	1.460	(0.318)	66517	10.0000	10.179
10 N-Nitrosodimethylamine	74	1.947	1.947	(0.424)	96603	10.0000	10.337
9 Pyridine	79	1.995	1.995	(0.434)	180297	10.0000	10.661(M)
16 Methyl methanesulfonate	80	3.400	3.400	(0.740)	104679	10.0000	9.6295
206 Benzaldehyde	77	4.249	4.249	(0.924)	151382	10.0000	12.295
21 Aniline	93	4.340	4.340	(0.944)	325919	10.0000	10.025
22 Phenol	94	4.329	4.329	(0.942)	318092	10.0000	9.5861
23 bis(2-Chloroethyl)ether	93	4.393	4.393	(0.956)	213883	10.0000	9.4679
24 2-Chlorophenol	128	4.431	4.431	(0.964)	277506	10.0000	9.8457
26 1,3-Dichlorobenzene	146	4.554	4.554	(0.991)	323623	10.0000	9.5612
27 1,4-Dichlorobenzene	146	4.607	4.607	(1.002)	333146	10.0000	9.7062
28 1,2-Dichlorobenzene	146	4.724	4.724	(1.028)	317678	10.0000	9.4913
217 Indene	116	4.794	4.794	(1.043)	434006	10.0000	9.7810
29 Benzyl Alcohol	108	4.698	4.698	(1.022)	165761	10.0000	9.8573(M)
30 2-Methylphenol	108	4.789	4.789	(1.042)	240116	10.0000	9.7675
31 2,2'-oxybis(1-Chloropropane)	45	4.810	4.810	(1.046)	311721	10.0000	9.6141
37 Acetophenone	105	4.901	4.901	(1.066)	325412	10.0000	8.1481
32 N-Nitroso-di-n-propylamine	70	4.901	4.901	(1.066)	151132	10.0000	9.3972
192 4-Methylphenol	108	4.901	4.901	(1.066)	227252	10.0000	9.7053
34 Hexachloroethane	117	4.986	4.986	(1.085)	131274	10.0000	9.4956
35 Nitrobenzene	77	5.029	5.029	(0.903)	245562	10.0000	9.5982(M)
36 N-Nitrosopyrrolidine	100	4.874	4.874	(1.060)	95069	10.0000	9.9718
41 Isophorone	82	5.211	5.211	(0.936)	397750	10.0000	9.6998

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
42 2-Nitrophenol	139	5.275	5.275	(0.947)	151661	10.0000	10.202
43 2,4-Dimethylphenol	107	5.307	5.307	(0.953)	249171	10.0000	10.103
44 bis(2-Chloroethoxy)methane	93	5.376	5.376	(0.965)	265313	10.0000	10.097
48 2,4-Dichlorophenol	162	5.456	5.456	(0.980)	232257	10.0000	9.9623
49 Benzoic Acid	122	5.360	5.360	(0.963)	320303	20.0000	21.390(M)
50 1,2,4-Trichlorobenzene	180	5.526	5.526	(0.992)	286458	10.0000	9.8945
51 Naphthalene	128	5.585	5.585	(1.003)	803827	10.0000	9.7749
52 4-Chloroaniline	127	5.622	5.622	(1.010)	324197	10.0000	10.294
54 2,6-Dichlorophenol	162	5.627	5.627	(1.011)	225614	10.0000	10.226
56 Hexachlorobutadiene	225	5.686	5.686	(1.021)	160409	10.0000	9.6978
208 Caprolactam	113	5.862	5.862	(1.053)	64846	10.0000	11.541
59 4-Chloro-3-Methylphenol	107	5.985	5.985	(1.075)	204948	10.0000	9.8501
62 2-Methylnaphthalene	142	6.113	6.113	(1.098)	553875	10.0000	9.9431
63 1-Methylnaphthalene	142	6.194	6.194	(1.112)	513786	10.0000	9.8204
64 Hexachlorocyclopentadiene	237	6.247	6.247	(0.903)	168751	10.0000	10.053
65 1,2,4,5-Tetrachlorobenzene	216	6.247	6.247	(0.903)	264521	10.0000	9.9325
66 2,4,6-Trichlorophenol	196	6.327	6.327	(0.914)	180353	10.0000	10.149
67 2,4,5-Trichlorophenol	196	6.354	6.354	(0.918)	186863	10.0000	9.6887
209 1,1'-Biphenyl	154	6.471	6.471	(0.935)	625048	10.0000	9.4734
70 2-Chloronaphthalene	162	6.487	6.487	(0.937)	527833	10.0000	9.8056
73 2-Nitroaniline	65	6.557	6.557	(0.948)	127714	10.0000	9.9637
76 Dimethylphthalate	163	6.696	6.696	(0.968)	540250	10.0000	9.6972
78 2,6-Dinitrotoluene	165	6.744	6.744	(0.975)	125170	10.0000	10.658
79 Acenaphthylene	152	6.813	6.813	(0.985)	765361	10.0000	9.6207
81 3-Nitroaniline	138	6.872	6.872	(0.993)	143640	10.0000	10.666
82 Acenaphthene	153	6.947	6.947	(1.004)	502667	10.0000	9.6995
83 2,4-Dinitrophenol	184	6.952	6.952	(1.005)	151047	20.0000	21.006
85 4-Nitrophenol	109	6.990	6.990	(1.010)	146132	20.0000	21.015
86 Dibenzofuran	168	7.075	7.075	(1.022)	727346	10.0000	9.6429
87 2,4-Dinitrotoluene	165	7.054	7.054	(1.019)	169905	10.0000	10.614
91 2,3,5,6-Tetrachlorophenol	232	7.139	7.139	(1.032)	141563	10.0000	10.226
88 2,3,4,6-Tetrachlorophenol	232	7.171	7.171	(1.036)	144794	10.0000	10.128
92 2-Naphthylamine	143	7.193	7.193	(1.039)	231769	10.0000	10.025
93 Diethylphthalate	149	7.241	7.241	(1.046)	559934	10.0000	10.075
94 Fluorene	166	7.342	7.342	(1.061)	587769	10.0000	9.9435
95 4-Chlorophenyl-phenylether	204	7.337	7.337	(1.060)	287559	10.0000	10.016
96 4-Nitroaniline	138	7.342	7.342	(1.061)	141674	10.0000	10.129
98 4,6-Dinitro-2-methylphenol	198	7.369	7.369	(0.913)	210479	20.0000	23.105
99 N-Nitrosodiphenylamine (1)	169	7.422	7.422	(0.920)	374611	10.0000	9.5685
100 1,2-Diphenylhydrazine	77	7.460	7.460	(0.925)	525007	10.0000	9.7060
106 4-Bromophenyl-phenylether	248	7.716	7.716	(0.956)	162643	10.0000	10.306
107 Hexachlorobenzene	284	7.775	7.775	(0.964)	159851	10.0000	10.068
210 Atrazine	200	7.823	7.823	(0.970)	97173	10.0000	11.402
111 Pentachlorophenol	266	7.919	7.919	(0.981)	228779	20.0000	19.918
115 Phenanthrene	178	8.090	8.090	(1.003)	838847	10.0000	9.7670
116 Anthracene	178	8.127	8.127	(1.007)	844507	10.0000	9.7891
119 Carbazole	167	8.245	8.245	(1.022)	733643	10.0000	9.6362
120 Di-n-Butylphthalate	149	8.496	8.496	(1.053)	926479	10.0000	10.026
123 Fluoranthene	202	9.020	9.020	(1.118)	868579	10.0000	9.7858
124 Benzidine	184	9.110	9.110	(0.894)	239885	10.0000	13.096
125 Pyrene	202	9.201	9.201	(0.903)	894914	10.0000	9.7825
131 Butylbenzylphthalate	149	9.693	9.693	(0.951)	390797	10.0000	10.135
135 3,3'-Dichlorobenzidine	252	10.147	10.147	(0.996)	281843	10.0000	10.915
136 Benzo(a)Anthracene	228	10.184	10.184	(0.999)	792471	10.0000	9.6672

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
137 Chrysene	228	10.216	10.216	(1.003)	725601	10.0000	9.8023
139 bis(2-ethylhexyl)Phthalate	149	10.157	10.157	(0.997)	539103	10.0000	9.8961
140 Di-n-octylphthalate	149	10.729	10.729	(0.920)	937636	10.0000	10.506
141 Benzo(b)fluoranthene	252	11.221	11.221	(0.962)	909684	10.0000	9.8668
142 Benzo(k)fluoranthene	252	11.247	11.247	(0.965)	857363	10.0000	9.7200
143 7,12-dimethylbenz[a]anthracen	256	11.204	11.204	(0.961)	363414	10.0000	9.8453
146 Benzo(a)pyrene	252	11.600	11.600	(0.995)	682410	10.0000	10.312
149 Indeno(1,2,3-cd)pyrene	276	13.122	13.122	(1.126)	816056	10.0000	10.318
150 Dibenz(a,h)anthracene	278	13.133	13.133	(1.126)	695314	10.0000	10.197
151 Benzo(g,h,i)perylene	276	13.571	13.571	(1.164)	696309	10.0000	10.463
$ 154 Nitrobenzene-d5	82	5.013	5.013	(0.900)	246150	10.0000	9.9514
$ 155 2-Fluorobiphenyl	172	6.397	6.397	(0.924)	559845	10.0000	9.5523
$ 156 Terphenyl-d14	244	9.308	9.308	(0.913)	531494	10.0000	9.6840
$ 157 Phenol-d5	99	4.318	4.318	(0.940)	272322	10.0000	9.8070
$ 158 2-Fluorophenol	112	3.571	3.571	(0.777)	219857	10.0000	9.8173
$ 159 2,4,6-Tribromophenol	330	7.529	7.529	(0.933)	65894	10.0000	10.419
$ 186 2-Chlorophenol-d4	132	4.420	4.420	(0.962)	274323	10.0000	9.5153
$ 187 1,2-Dichlorobenzene-d4	152	4.714	4.714	(1.026)	195403	10.0000	9.5726

QC Flag Legend

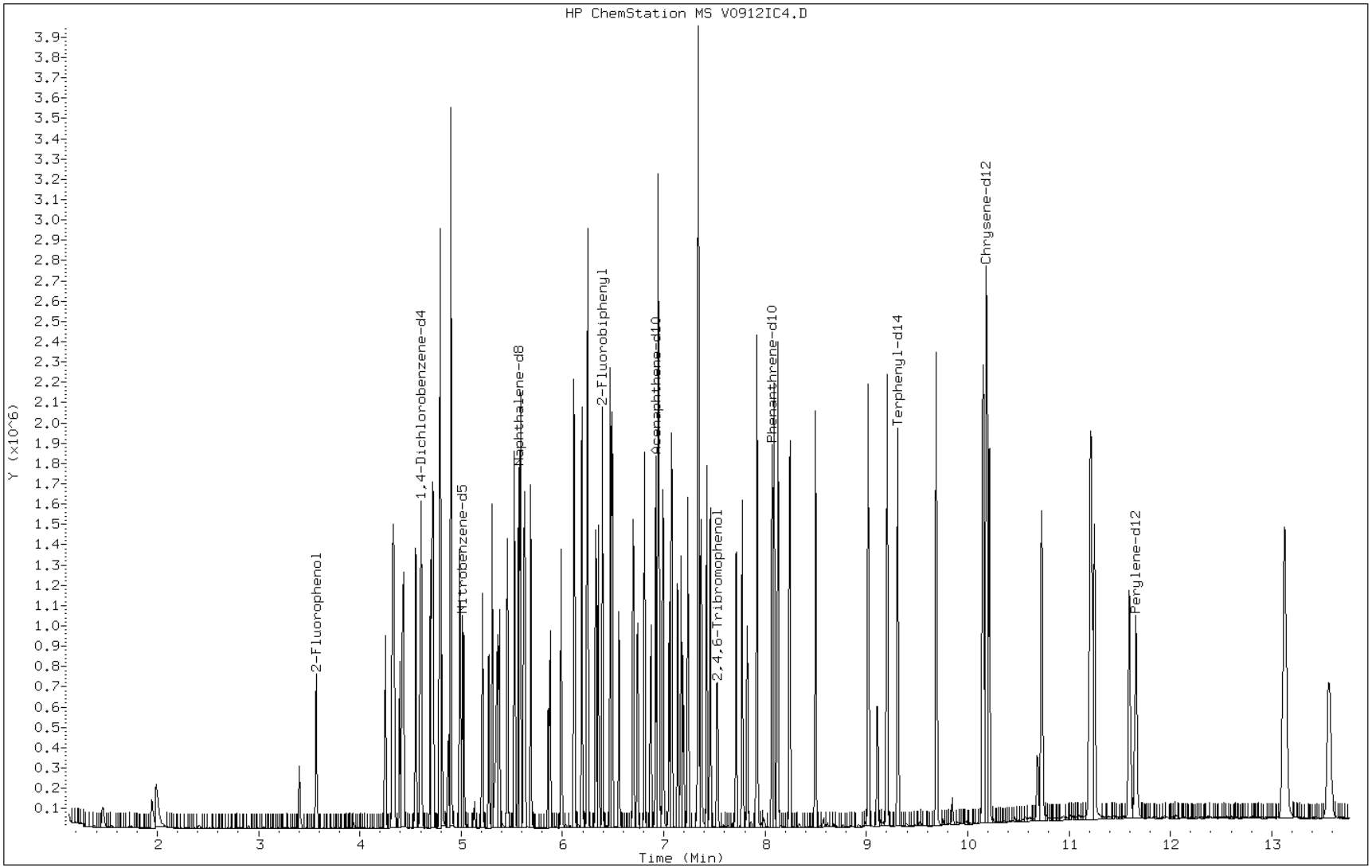
M - Compound response manually integrated.

Data File: V0912IC4.D

Date: 12-SEP-2012 12:11

Client ID: Instrument: 731.i

Sample Info: IC 495230 Operator: 003200



Manual Integration Report

Data File: V0912IC4.D
Inj. Date and Time: 12-SEP-2012 12:11
Instrument ID: 731.i
Client ID:
Compound: 9 Pyridine
CAS #: 110-86-1
Report Date: 09/13/2012

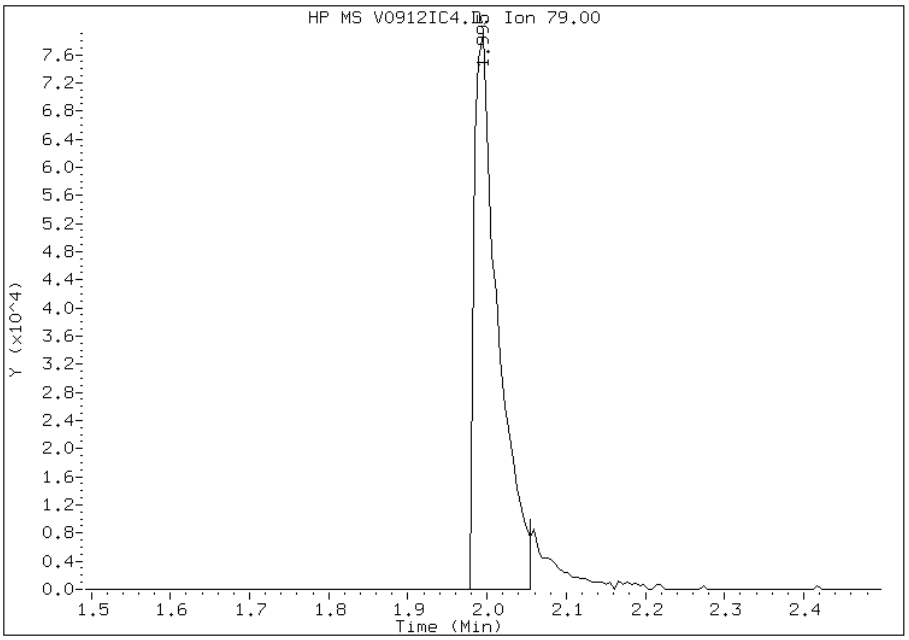
Processing Integration Results

RT: 2.00

Response: 163972

Amount: 10

Conc: 10



Manual Integration Results

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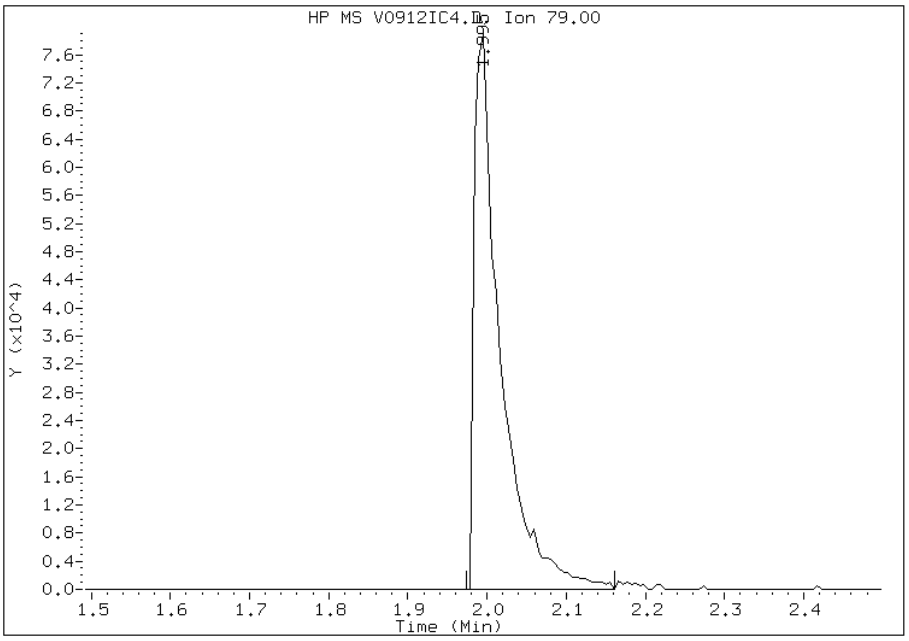
Amount: 11

Conc: 11



Manually Integrated By: piccolinov
Modification Date: 12-Sep-2012 12:51
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V0912IC4.D
Inj. Date and Time: 12-SEP-2012 12:11
Instrument ID: 731.i
Client ID:
Compound: 29 Benzyl Alcohol
CAS #: 100-51-6
Report Date: 09/13/2012

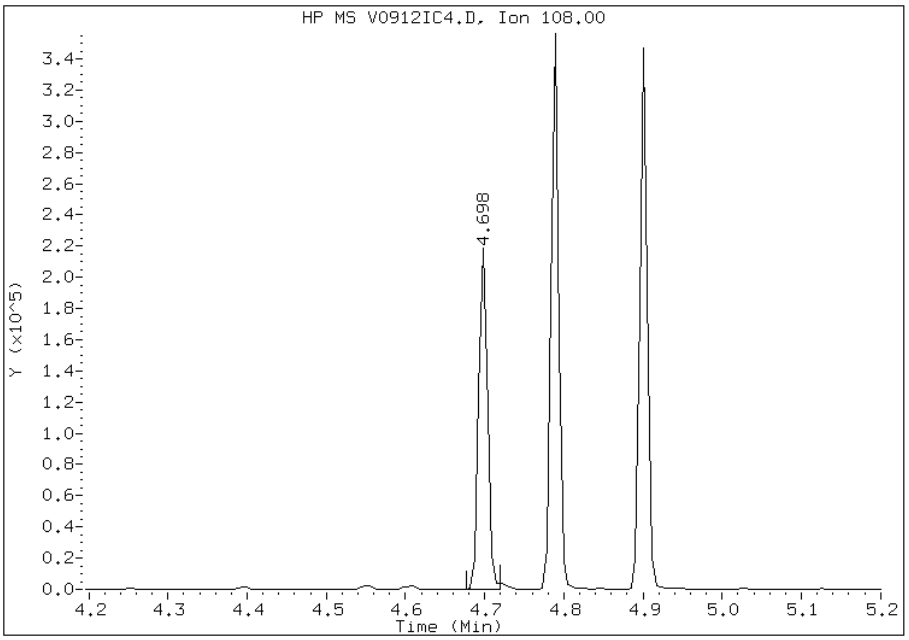
Processing Integration Results

RT: 4.70

Response: 163957

Amount: 10

Conc: 10



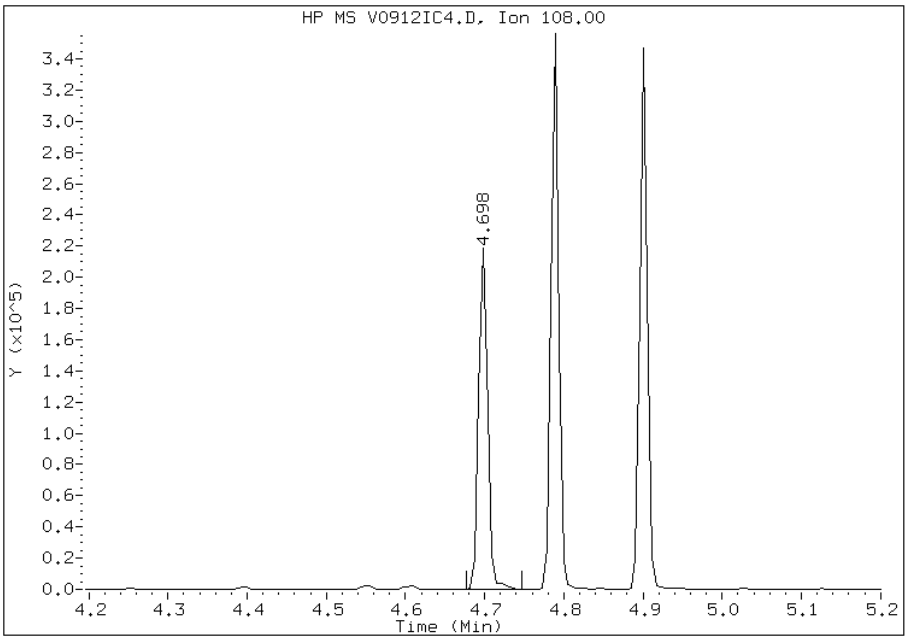
Manual Integration Results

RT: 4.70

Response: 165761

Amount: 10

Conc: 10



Manually Integrated By: piccolinov
Modification Date: 12-Sep-2012 12:51
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V0912IC4.D
Inj. Date and Time: 12-SEP-2012 12:11
Instrument ID: 731.i
Client ID:
Compound: 35 Nitrobenzene
CAS #: 98-95-3
Report Date: 09/13/2012

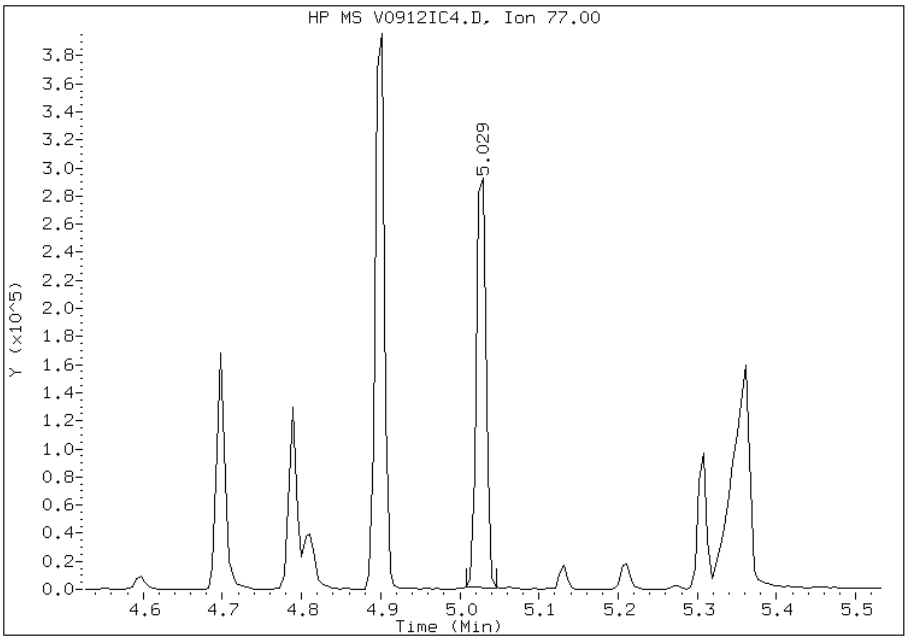
Processing Integration Results

RT: 5.03

Response: 240713

Amount: 9

Conc: 9



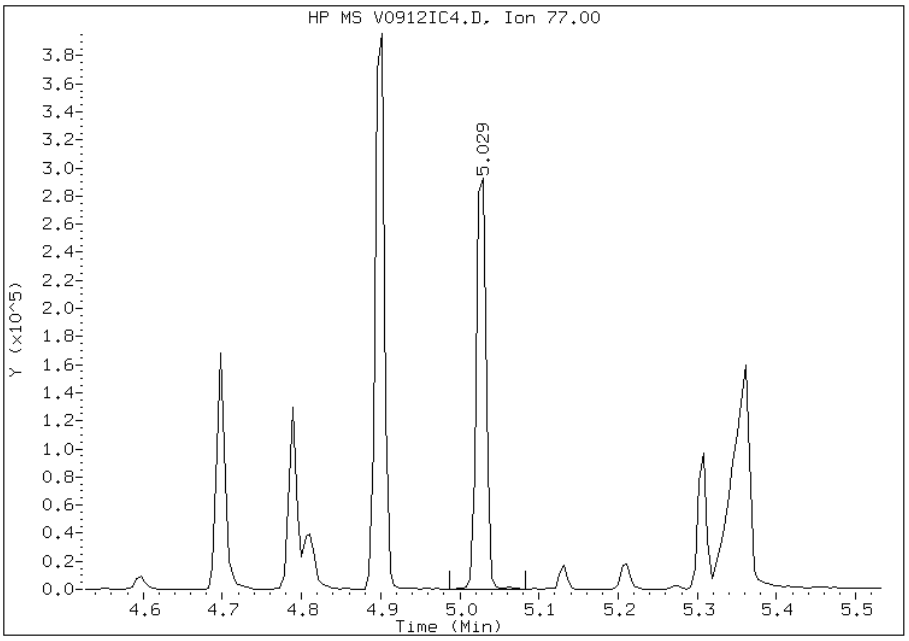
Manual Integration Results

RT: 5.03

Response: 245562

Amount: 10

Conc: 10



Manually Integrated By: piccolinov
Modification Date: 12-Sep-2012 12:51
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V0912IC4.D
Inj. Date and Time: 12-SEP-2012 12:11
Instrument ID: 731.i
Client ID:
Compound: 49 Benzoic Acid
CAS #: 65-85-0
Report Date: 09/13/2012

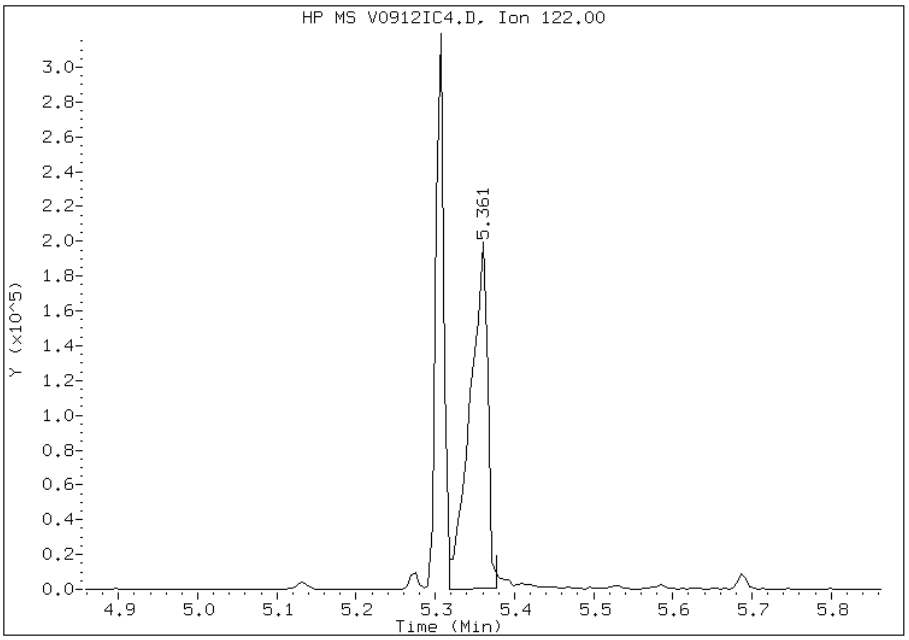
Processing Integration Results

RT: 5.36

Response: 304298

Amount: 21

Conc: 21



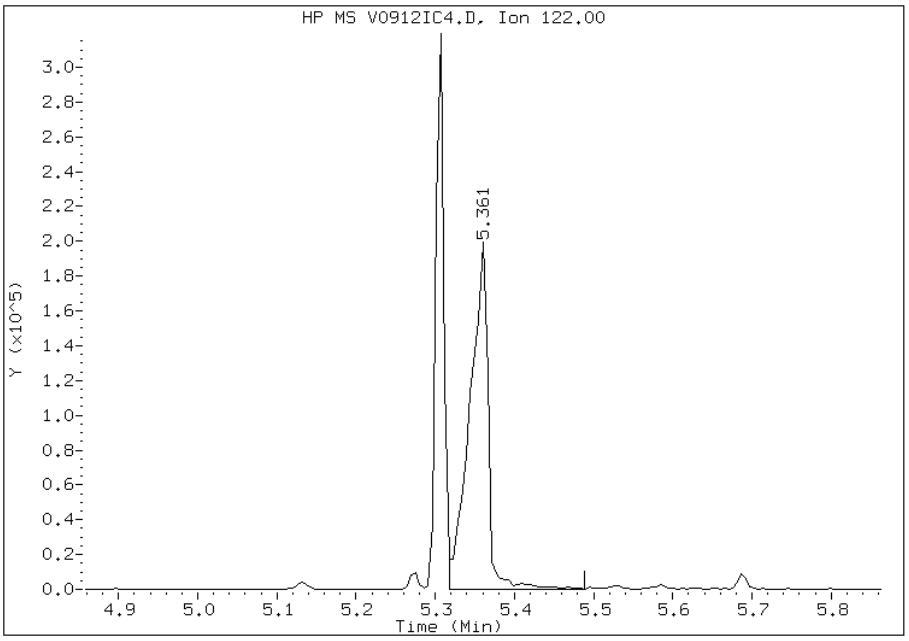
Manual Integration Results

RT: 5.36

Response: 320303

Amount: 21

Conc: 21



Manually Integrated By: piccolinov
Modification Date: 12-Sep-2012 12:52
Manual Integration Reason: Poor Chromatography

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV091212.b\V0912IC5.D
Lab Smp Id: IC 495231
Inj Date : 12-SEP-2012 12:34
Operator : 003200 Inst ID: 731.i
Smp Info : IC 495231
Misc Info : TV091212.b,T8270ll.m,padepi.sub
Comment :
Method : \\PITSVR06\D\chem\731.i\TV091212.b\T8270ll.m
Meth Date : 12-Sep-2012 13:06 piccolinov Quant Type: ISTD
Cal Date : 12-SEP-2012 12:34 Cal File: V0912IC5.D
Als bottle: 93 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: padepi.sub
Target Version: 4.14
Processing Host: PITPC-502

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 1,4-Dichlorobenzene-d4	152	4.599	4.599	(1.000)	178931	8.00000	
* 2 Naphthalene-d8	136	5.571	5.571	(1.000)	718534	8.00000	
* 3 Acenaphthene-d10	164	6.923	6.923	(1.000)	397144	8.00000	
* 4 Phenanthrene-d10	188	8.072	8.072	(1.000)	665006	8.00000	
* 5 Chrysene-d12	240	10.192	10.192	(1.000)	658816	8.00000	
* 6 Perylene-d12	264	11.667	11.667	(1.000)	690045	8.00000	
198 1,4-Dioxane	88	1.458	1.458	(0.317)	142126	20.0000	19.823
10 N-Nitrosodimethylamine	74	1.949	1.949	(0.424)	201390	20.0000	19.676
9 Pyridine	79	1.976	1.976	(0.430)	383591	20.0000	20.499(M)
16 Methyl methanesulfonate	80	3.403	3.403	(0.740)	221381	20.0000	18.798
206 Benzaldehyde	77	4.252	4.252	(0.925)	302691	20.0000	21.843
21 Aniline	93	4.343	4.343	(0.944)	686378	20.0000	19.354
22 Phenol	94	4.332	4.332	(0.942)	679975	20.0000	18.893
23 bis(2-Chloroethyl)ether	93	4.396	4.396	(0.956)	454160	20.0000	18.602
24 2-Chlorophenol	128	4.434	4.434	(0.964)	590787	20.0000	19.242
26 1,3-Dichlorobenzene	146	4.556	4.556	(0.991)	693312	20.0000	18.887
27 1,4-Dichlorobenzene	146	4.610	4.610	(1.002)	733565	20.0000	19.546
28 1,2-Dichlorobenzene	146	4.727	4.727	(1.028)	702669	20.0000	19.267
217 Indene	116	4.797	4.797	(1.043)	931255	20.0000	19.262
29 Benzyl Alcohol	108	4.701	4.701	(1.022)	347652	20.0000	19.029(M)
30 2-Methylphenol	108	4.791	4.791	(1.042)	492050	20.0000	18.536
31 2,2'-oxybis(1-Chloropropane)	45	4.813	4.813	(1.046)	651915	20.0000	18.604
37 Acetophenone	105	4.904	4.904	(1.066)	691875	20.0000	16.453
32 N-Nitroso-di-n-propylamine	70	4.904	4.904	(1.066)	321452	20.0000	18.514
192 4-Methylphenol	108	4.904	4.904	(1.066)	496493	20.0000	19.422
34 Hexachloroethane	117	4.989	4.989	(1.085)	283139	20.0000	18.885
35 Nitrobenzene	77	5.032	5.032	(0.903)	527935	20.0000	18.691
36 N-Nitrosopyrrolidine	100	4.877	4.877	(1.060)	210837	20.0000	20.089

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
41 Isophorone	82	5.214	5.214	(0.936)	893266	20.0000	19.528
42 2-Nitrophenol	139	5.278	5.278	(0.947)	336097	20.0000	20.120
43 2,4-Dimethylphenol	107	5.310	5.310	(0.953)	543463	20.0000	19.710
44 bis(2-Chloroethoxy)methane	93	5.379	5.379	(0.965)	574251	20.0000	19.579
48 2,4-Dichlorophenol	162	5.459	5.459	(0.980)	510178	20.0000	19.600
49 Benzoic Acid	122	5.374	5.374	(0.965)	539381	30.0000	31.657(M)
50 1,2,4-Trichlorobenzene	180	5.529	5.529	(0.992)	614091	20.0000	19.113
51 Naphthalene	128	5.587	5.587	(1.003)	1736902	20.0000	19.047
52 4-Chloroaniline	127	5.625	5.625	(1.010)	704984	20.0000	19.960
54 2,6-Dichlorophenol	162	5.630	5.630	(1.011)	479604	20.0000	19.495
56 Hexachlorobutadiene	225	5.689	5.689	(1.021)	345139	20.0000	18.860
208 Caprolactam	113	5.871	5.871	(1.054)	140814	20.0000	21.825
59 4-Chloro-3-Methylphenol	107	5.993	5.993	(1.076)	454635	20.0000	19.576
62 2-Methylnaphthalene	142	6.116	6.116	(1.098)	1185256	20.0000	19.161
63 1-Methylnaphthalene	142	6.196	6.196	(1.112)	1129008	20.0000	19.380
64 Hexachlorocyclopentadiene	237	6.250	6.250	(0.903)	382488	20.0000	20.442
65 1,2,4,5-Tetrachlorobenzene	216	6.250	6.250	(0.903)	566958	20.0000	19.359
66 2,4,6-Trichlorophenol	196	6.335	6.335	(0.915)	383031	20.0000	19.553
67 2,4,5-Trichlorophenol	196	6.362	6.362	(0.919)	415290	20.0000	19.537
209 1,1'-Biphenyl	154	6.474	6.474	(0.935)	1423017	20.0000	19.563
70 2-Chloronaphthalene	162	6.496	6.496	(0.938)	1183433	20.0000	19.866
73 2-Nitroaniline	65	6.560	6.560	(0.948)	280262	20.0000	19.779
76 Dimethylphthalate	163	6.699	6.699	(0.968)	1208416	20.0000	19.652
78 2,6-Dinitrotoluene	165	6.747	6.747	(0.975)	268367	20.0000	20.489
79 Acenaphthylene	152	6.816	6.816	(0.985)	1697207	20.0000	19.392
81 3-Nitroaniline	138	6.875	6.875	(0.993)	308943	20.0000	20.552
82 Acenaphthene	153	6.950	6.950	(1.004)	1103050	20.0000	19.356
83 2,4-Dinitrophenol	184	6.955	6.955	(1.005)	269188	30.0000	32.943
85 4-Nitrophenol	109	6.998	6.998	(1.011)	240503	30.0000	30.954
86 Dibenzofuran	168	7.083	7.083	(1.023)	1623118	20.0000	19.527
87 2,4-Dinitrotoluene	165	7.057	7.057	(1.019)	372240	20.0000	20.775
91 2,3,5,6-Tetrachlorophenol	232	7.142	7.142	(1.032)	328435	20.0000	21.106
88 2,3,4,6-Tetrachlorophenol	232	7.174	7.174	(1.036)	320584	20.0000	20.184(M)
92 2-Naphthylamine	143	7.195	7.195	(1.039)	443469	20.0000	17.784
93 Diethylphthalate	149	7.244	7.244	(1.046)	1198732	20.0000	19.564
94 Fluorene	166	7.345	7.345	(1.061)	1312609	20.0000	20.026
95 4-Chlorophenyl-phenylether	204	7.340	7.340	(1.060)	654482	20.0000	20.450
96 4-Nitroaniline	138	7.345	7.345	(1.061)	331330	20.0000	21.081
98 4,6-Dinitro-2-methylphenol	198	7.372	7.372	(0.913)	360427	30.0000	34.530
99 N-Nitrosodiphenylamine (1)	169	7.425	7.425	(0.920)	876239	20.0000	20.239
100 1,2-Diphenylhydrazine	77	7.463	7.463	(0.925)	1141141	20.0000	19.302
106 4-Bromophenyl-phenylether	248	7.719	7.719	(0.956)	378671	20.0000	21.386
107 Hexachlorobenzene	284	7.778	7.778	(0.964)	363483	20.0000	20.607
210 Atrazine	200	7.826	7.826	(0.970)	222564	20.0000	22.843
111 Pentachlorophenol	266	7.922	7.922	(0.981)	413089	30.0000	32.059
115 Phenanthrene	178	8.093	8.093	(1.003)	1908476	20.0000	20.123
116 Anthracene	178	8.130	8.130	(1.007)	1958201	20.0000	20.467
119 Carbazole	167	8.248	8.248	(1.022)	1626484	20.0000	19.498
120 Di-n-Butylphthalate	149	8.499	8.499	(1.053)	2122733	20.0000	20.663
123 Fluoranthene	202	9.022	9.022	(1.118)	1994126	20.0000	20.300
124 Benzidine	184	9.108	9.108	(0.894)	555454	20.0000	24.681
125 Pyrene	202	9.204	9.204	(0.903)	2016713	20.0000	19.239
131 Butylbenzylphthalate	149	9.690	9.690	(0.951)	901911	20.0000	20.175
135 3,3'-Dichlorobenzidine	252	10.144	10.144	(0.995)	677345	20.0000	22.085

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
136 Benzo(a)Anthracene	228	10.182	10.182	(0.999)	1877135	20.0000	19.836
137 Chrysene	228	10.214	10.214	(1.002)	1759847	20.0000	20.439
139 bis(2-ethylhexyl)Phthalate	149	10.155	10.155	(0.996)	1265558	20.0000	20.066
140 Di-n-octylphthalate	149	10.727	10.727	(0.919)	2282378	20.0000	20.603
141 Benzo(b)fluoranthene	252	11.223	11.223	(0.962)	2127783	20.0000	18.974
142 Benzo(k)fluoranthene	252	11.255	11.255	(0.965)	2143849	20.0000	19.782
143 7,12-dimethylbenz[a]anthracen	256	11.207	11.207	(0.961)	919966	20.0000	20.184
146 Benzo(a)pyrene	252	11.597	11.597	(0.994)	1667054	20.0000	20.358
149 Indeno(1,2,3-cd)pyrene	276	13.141	13.141	(1.126)	2054305	20.0000	20.858
150 Dibenz(a,h)anthracene	278	13.152	13.152	(1.127)	1733790	20.0000	20.508
151 Benzo(g,h,i)perylene	276	13.579	13.579	(1.164)	1723385	20.0000	20.809
$ 154 Nitrobenzene-d5	82	5.016	5.016	(0.900)	536856	20.0000	19.471
$ 155 2-Fluorobiphenyl	172	6.399	6.399	(0.924)	1243196	20.0000	19.303
$ 156 Terphenyl-d14	244	9.311	9.311	(0.914)	1231375	20.0000	19.513
$ 157 Phenol-d5	99	4.321	4.321	(0.940)	578752	20.0000	19.154
$ 158 2-Fluorophenol	112	3.573	3.573	(0.777)	473976	20.0000	19.393
$ 159 2,4,6-Tribromophenol	330	7.532	7.532	(0.933)	157187	20.0000	21.983
$ 186 2-Chlorophenol-d4	132	4.423	4.423	(0.962)	593301	20.0000	18.959
$ 187 1,2-Dichlorobenzene-d4	152	4.717	4.717	(1.026)	429530	20.0000	19.303

QC Flag Legend

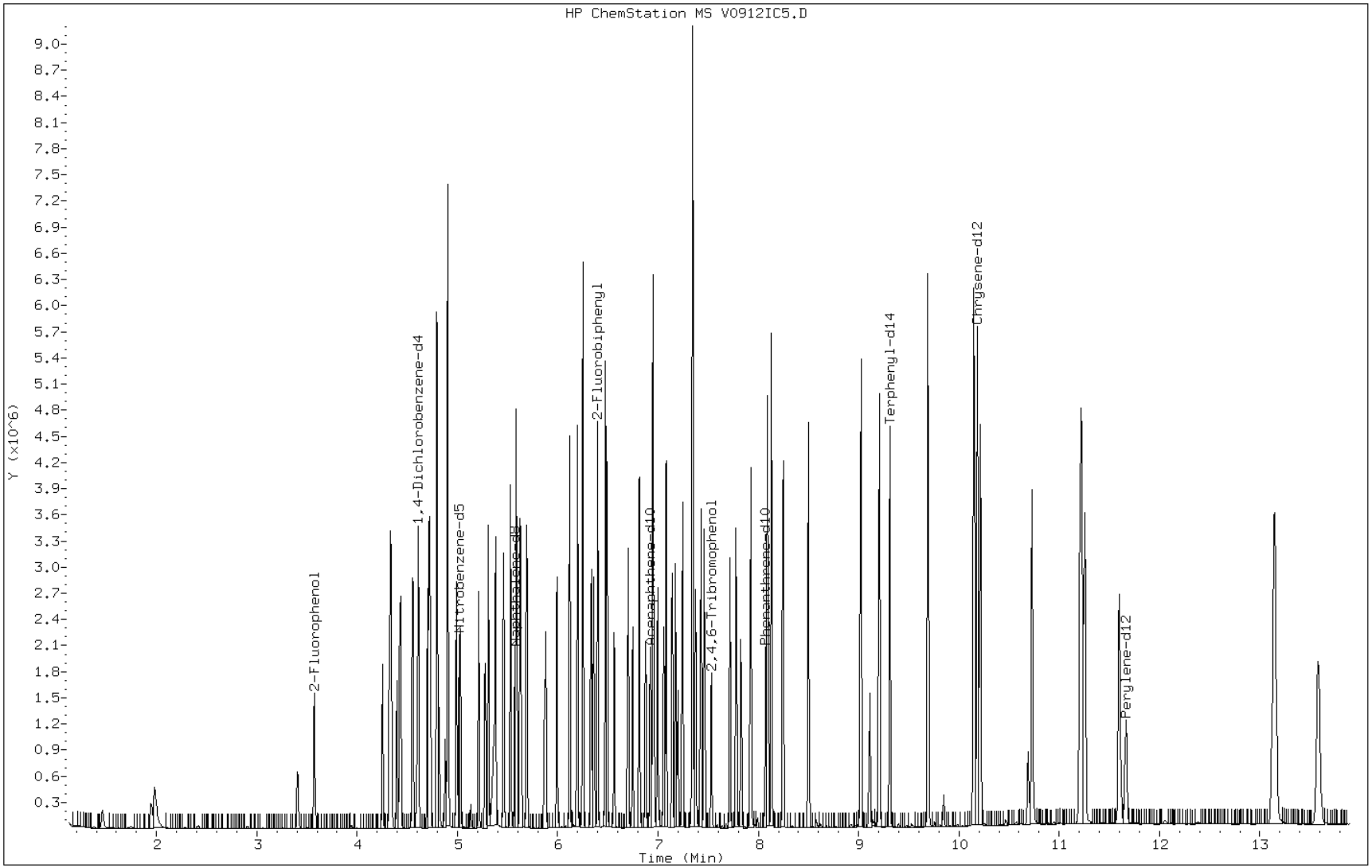
M - Compound response manually integrated.

Data File: V0912IC5.D

Date: 12-SEP-2012 12:34

Client ID: Instrument: 731.i

Sample Info: IC 495231 Operator: 003200



Manual Integration Report

Data File: V0912IC5.D
Inj. Date and Time: 12-SEP-2012 12:34
Instrument ID: 731.i
Client ID:
Compound: 9 Pyridine
CAS #: 110-86-1
Report Date: 09/13/2012

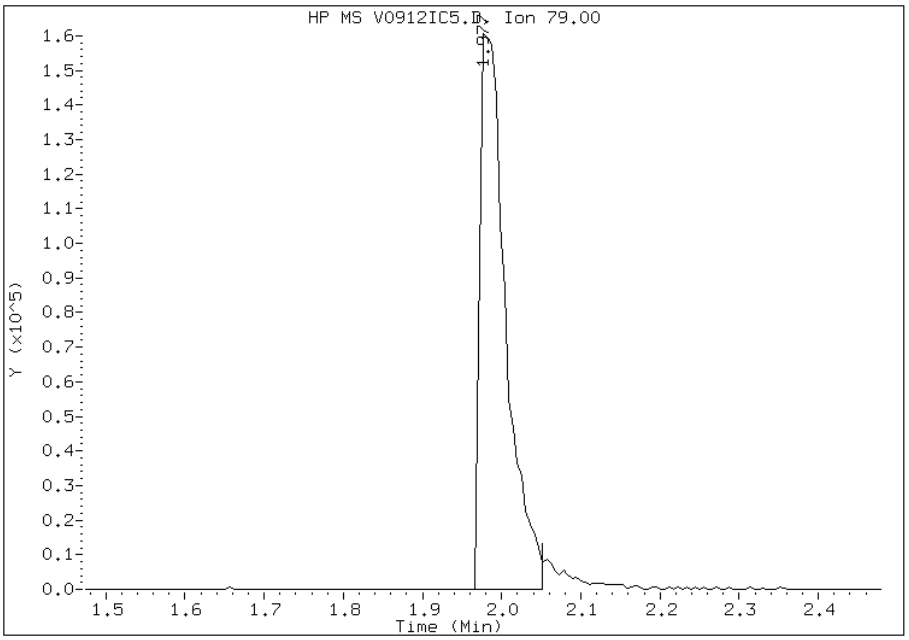
Processing Integration Results

RT: 1.98

Response: 363375

Amount: 20

Conc: 20



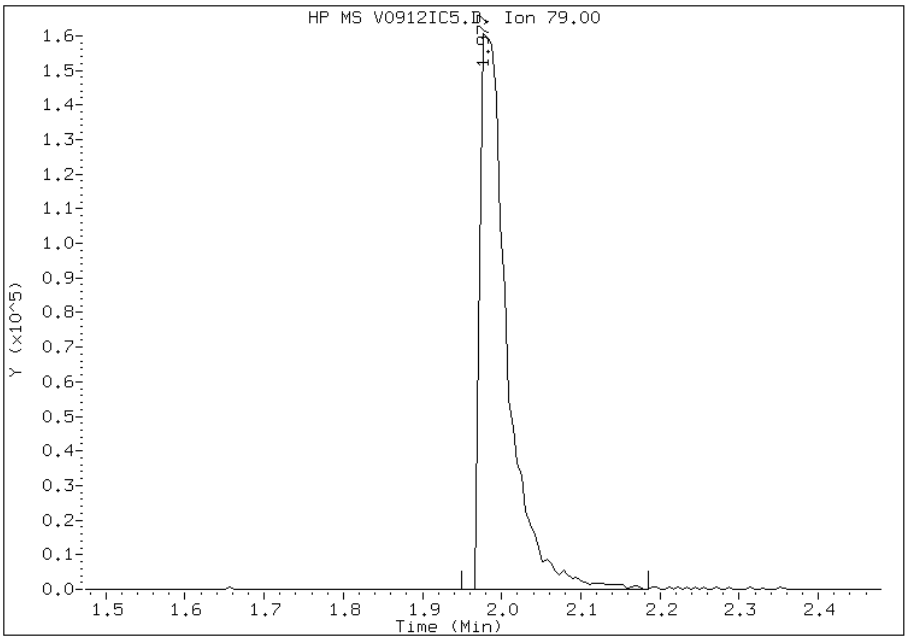
Manual Integration Results

RT: 1.98

Response: 383591

Amount: 20

Conc: 20



Manually Integrated By: piccolinov
Modification Date: 12-Sep-2012 13:06
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V0912IC5.D
Inj. Date and Time: 12-SEP-2012 12:34
Instrument ID: 731.i
Client ID:
Compound: 29 Benzyl Alcohol
CAS #: 100-51-6
Report Date: 09/13/2012

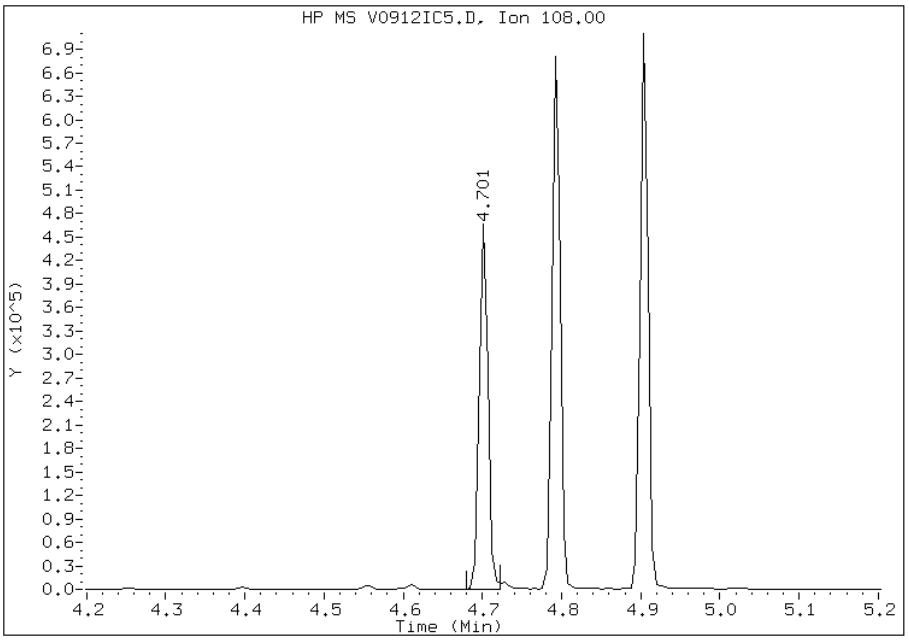
Processing Integration Results

RT: 4.70

Response: 341636

Amount: 19

Conc: 19



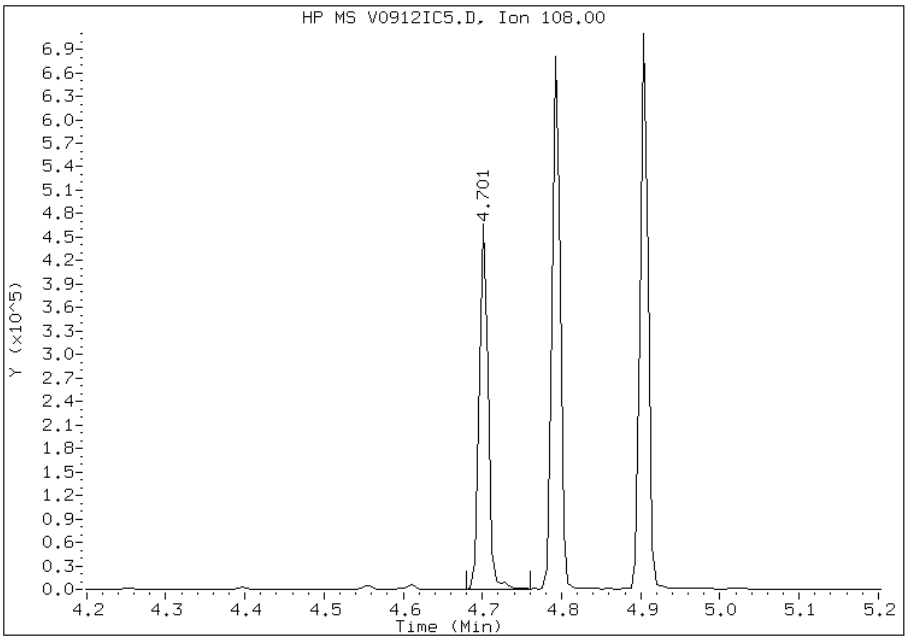
Manual Integration Results

RT: 4.70

Response: 347652

Amount: 19

Conc: 19



Manually Integrated By: piccolinov
Modification Date: 12-Sep-2012 13:07
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V0912IC5.D
Inj. Date and Time: 12-SEP-2012 12:34
Instrument ID: 731.i
Client ID:
Compound: 49 Benzoic Acid
CAS #: 65-85-0
Report Date: 09/13/2012

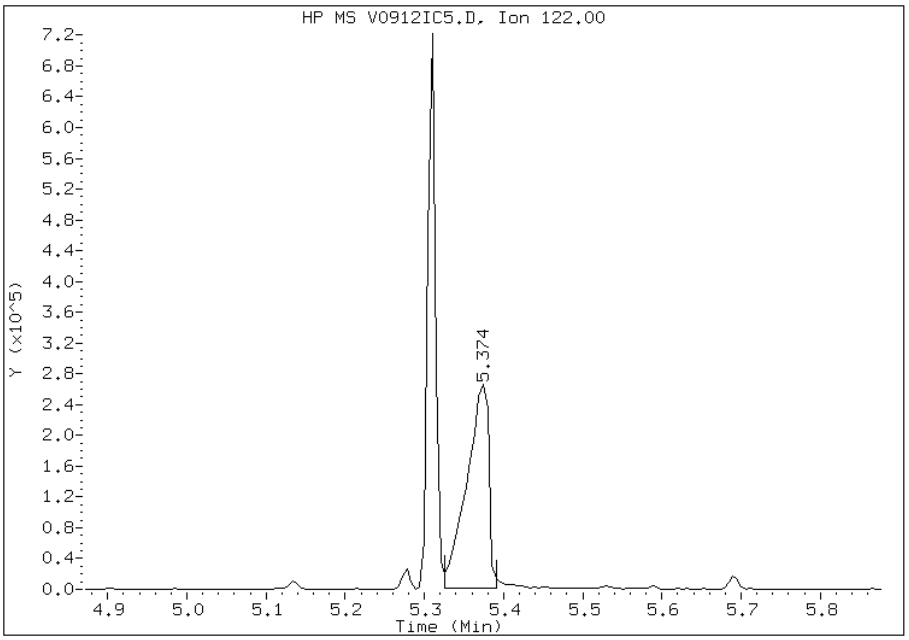
Processing Integration Results

RT: 5.37

Response: 506564

Amount: 30

Conc: 30



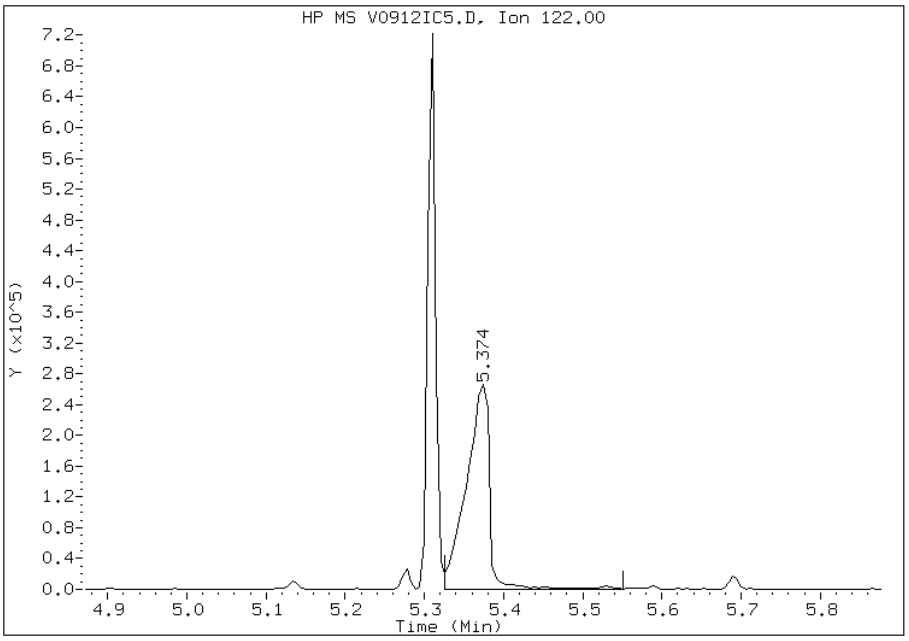
Manual Integration Results

RT: 5.37

Response: 539381

Amount: 32

Conc: 32



Manually Integrated By: piccolinov
Modification Date: 12-Sep-2012 13:07
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V0912IC5.D
Inj. Date and Time: 12-SEP-2012 12:34
Instrument ID: 731.i
Client ID:
Compound: 88 2,3,4,6-Tetrachlorophenol
CAS #: 58-90-2
Report Date: 09/13/2012

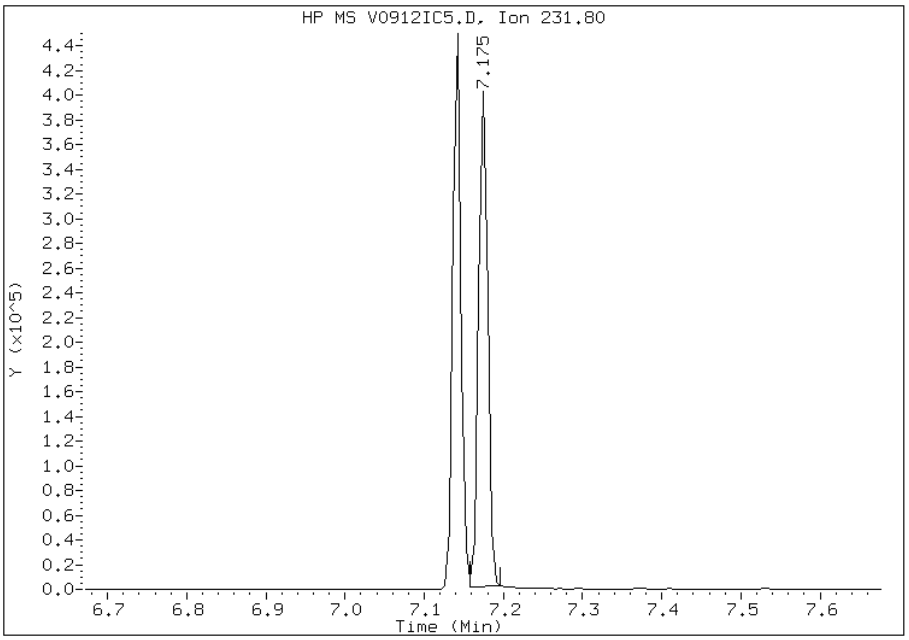
Processing Integration Results

RT: 7.17

Response: 309783

Amount: 20

Conc: 20



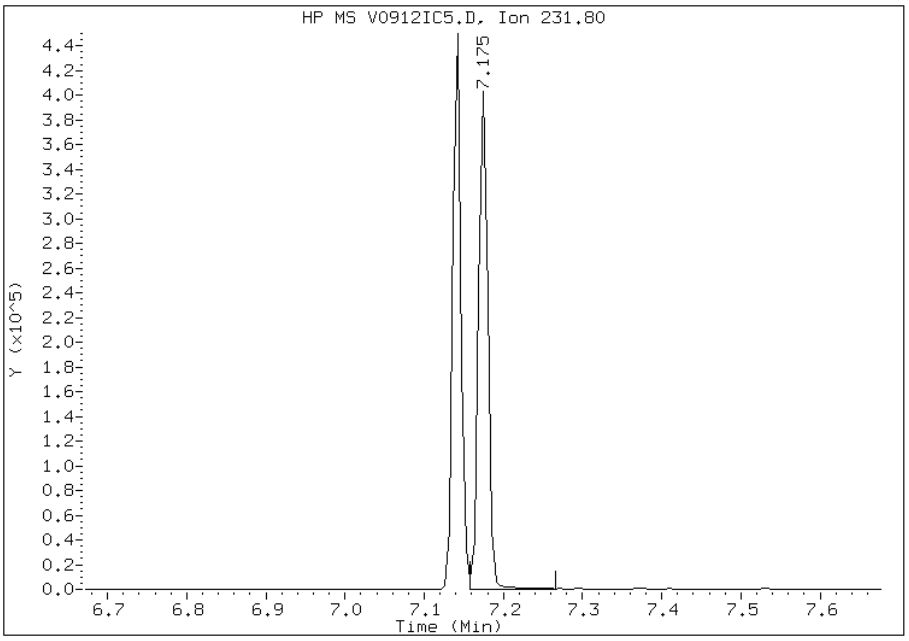
Manual Integration Results

RT: 7.17

Response: 320584

Amount: 20

Conc: 20



Manually Integrated By: piccolinov
Modification Date: 12-Sep-2012 13:08
Manual Integration Reason: Poor Chromatography

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV091212.b\V0912IC6.D
Lab Smp Id: IC 495232
Inj Date : 12-SEP-2012 12:58
Operator : 003200 Inst ID: 731.i
Smp Info : IC 495232
Misc Info : TV091212.b,T8270ll.m,padepi.sub
Comment :
Method : \\PITSVR06\D\chem\731.i\TV091212.b\T8270ll.m
Meth Date : 12-Sep-2012 13:19 piccolinov Quant Type: ISTD
Cal Date : 12-SEP-2012 12:58 Cal File: V0912IC6.D
Als bottle: 94 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: padepi.sub
Target Version: 4.14
Processing Host: PITPC-502

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 1,4-Dichlorobenzene-d4	152	4.596	4.596	(1.000)	183748	8.00000	
* 2 Naphthalene-d8	136	5.568	5.568	(1.000)	695186	8.00000	
* 3 Acenaphthene-d10	164	6.919	6.919	(1.000)	388063	8.00000	
* 4 Phenanthrene-d10	188	8.068	8.068	(1.000)	666981	8.00000	
* 5 Chrysene-d12	240	10.183	10.183	(1.000)	657043	8.00000	
* 6 Perylene-d12	264	11.642	11.642	(1.000)	682486	8.00000	
198 1,4-Dioxane	88	1.465	1.465	(0.319)	269184	40.0000	37.092
10 N-Nitrosodimethylamine	74	1.957	1.957	(0.426)	400120	40.0000	38.377
9 Pyridine	79	1.983	1.983	(0.432)	726685	40.0000	38.163
16 Methyl methanesulfonate	80	3.399	3.399	(0.740)	417343	40.0000	35.317
206 Benzaldehyde	77	4.248	4.248	(0.924)	572553	40.0000	40.194
21 Aniline	93	4.339	4.339	(0.944)	1326718	40.0000	36.980
22 Phenol	94	4.334	4.334	(0.943)	1338732	40.0000	36.801
23 bis(2-Chloroethyl)ether	93	4.393	4.393	(0.956)	894511	40.0000	36.333
24 2-Chlorophenol	128	4.430	4.430	(0.964)	1187855	40.0000	38.044
26 1,3-Dichlorobenzene	146	4.548	4.548	(0.990)	1415139	40.0000	37.929
27 1,4-Dichlorobenzene	146	4.606	4.606	(1.002)	1453772	40.0000	38.083
28 1,2-Dichlorobenzene	146	4.724	4.724	(1.028)	1360184	40.0000	36.884
217 Indene	116	4.793	4.793	(1.043)	1877188	40.0000	38.158
29 Benzyl Alcohol	108	4.697	4.697	(1.022)	698359	40.0000	37.659(M)
30 2-Methylphenol	108	4.793	4.793	(1.043)	988511	40.0000	36.835
31 2,2'-oxybis(1-Chloropropane)	45	4.809	4.809	(1.046)	1322829	40.0000	37.263
37 Acetophenone	105	4.900	4.900	(1.066)	1353695	40.0000	32.520
32 N-Nitroso-di-n-propylamine	70	4.905	4.905	(1.067)	636482	40.0000	36.349
192 4-Methylphenol	108	4.900	4.900	(1.066)	970034	40.0000	37.427
34 Hexachloroethane	117	4.986	4.986	(1.085)	571089	40.0000	37.547
35 Nitrobenzene	77	5.028	5.028	(0.903)	1037172	40.0000	38.280
36 N-Nitrosopyrrolidine	100	4.879	4.879	(1.062)	414010	40.0000	38.669

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
41 Isophorone	82	5.210	5.210	(0.936)	1770959	40.0000	40.013
42 2-Nitrophenol	139	5.274	5.274	(0.947)	672407	40.0000	41.328
43 2,4-Dimethylphenol	107	5.306	5.306	(0.953)	1069043	40.0000	40.061
44 bis(2-Chloroethoxy)methane	93	5.376	5.376	(0.965)	1146885	40.0000	40.347
48 2,4-Dichlorophenol	162	5.456	5.456	(0.980)	1025134	40.0000	40.586
49 Benzoic Acid	122	5.376	5.376	(0.965)	738176	40.0000	43.906(M)
50 1,2,4-Trichlorobenzene	180	5.525	5.525	(0.992)	1229651	40.0000	39.630
51 Naphthalene	128	5.584	5.584	(1.003)	3552873	40.0000	40.225
52 4-Chloroaniline	127	5.621	5.621	(1.010)	1385682	40.0000	40.456
54 2,6-Dichlorophenol	162	5.632	5.632	(1.012)	959282	40.0000	40.252
56 Hexachlorobutadiene	225	5.685	5.685	(1.021)	697150	40.0000	39.479
208 Caprolactam	113	5.878	5.878	(1.056)	278356	40.0000	43.754
59 4-Chloro-3-Methylphenol	107	5.990	5.990	(1.076)	917284	40.0000	40.684
62 2-Methylnaphthalene	142	6.118	6.118	(1.099)	2430684	40.0000	40.511
63 1-Methylnaphthalene	142	6.193	6.193	(1.112)	2251301	40.0000	39.953
64 Hexachlorocyclopentadiene	237	6.246	6.246	(0.903)	805860	40.0000	43.340
65 1,2,4,5-Tetrachlorobenzene	216	6.246	6.246	(0.903)	1192237	40.0000	41.376
66 2,4,6-Trichlorophenol	196	6.332	6.332	(0.915)	790533	40.0000	41.077
67 2,4,5-Trichlorophenol	196	6.359	6.359	(0.919)	853745	40.0000	40.916
209 1,1'-Biphenyl	154	6.471	6.471	(0.935)	2904581	40.0000	40.719
70 2-Chloronaphthalene	162	6.492	6.492	(0.938)	2387517	40.0000	40.844
73 2-Nitroaniline	65	6.562	6.562	(0.948)	546664	40.0000	39.568
76 Dimethylphthalate	163	6.700	6.700	(0.968)	2443874	40.0000	40.561
78 2,6-Dinitrotoluene	165	6.743	6.743	(0.975)	567330	40.0000	43.542
79 Acenaphthylene	152	6.813	6.813	(0.985)	3561066	40.0000	41.358
81 3-Nitroaniline	138	6.871	6.871	(0.993)	641672	40.0000	43.025
82 Acenaphthene	153	6.946	6.946	(1.004)	2292165	40.0000	40.965
83 2,4-Dinitrophenol	184	6.951	6.951	(1.005)	371240	40.0000	45.270
85 4-Nitrophenol	109	6.994	6.994	(1.011)	323524	40.0000	42.154
86 Dibenzofuran	168	7.080	7.080	(1.023)	3271087	40.0000	40.229
87 2,4-Dinitrotoluene	165	7.053	7.053	(1.019)	749179	40.0000	42.298
91 2,3,5,6-Tetrachlorophenol	232	7.138	7.138	(1.032)	666043	40.0000	43.121
88 2,3,4,6-Tetrachlorophenol	232	7.171	7.171	(1.036)	645411	40.0000	41.313
92 2-Naphthylamine	143	7.192	7.192	(1.039)	750457	40.0000	32.027
93 Diethylphthalate	149	7.240	7.240	(1.046)	2467300	40.0000	41.003
94 Fluorene	166	7.341	7.341	(1.061)	2754362	40.0000	42.474
95 4-Chlorophenyl-phenylether	204	7.336	7.336	(1.060)	1298058	40.0000	41.250
96 4-Nitroaniline	138	7.347	7.347	(1.062)	673829	40.0000	43.178
98 4,6-Dinitro-2-methylphenol	198	7.374	7.374	(0.914)	482794	40.0000	44.971
99 N-Nitrosodiphenylamine (1)	169	7.422	7.422	(0.920)	1752910	40.0000	40.306
100 1,2-Diphenylhydrazine	77	7.459	7.459	(0.925)	2350812	40.0000	39.703
106 4-Bromophenyl-phenylether	248	7.715	7.715	(0.956)	738414	40.0000	41.308
107 Hexachlorobenzene	284	7.774	7.774	(0.964)	774030	40.0000	43.079
210 Atrazine	200	7.828	7.828	(0.970)	406771	40.0000	41.346
111 Pentachlorophenol	266	7.918	7.918	(0.981)	539206	40.0000	41.426
115 Phenanthrene	178	8.089	8.089	(1.003)	3946692	40.0000	41.235
116 Anthracene	178	8.127	8.127	(1.007)	4051950	40.0000	41.837
119 Carbazole	167	8.244	8.244	(1.022)	3361242	40.0000	40.145
120 Di-n-Butylphthalate	149	8.495	8.495	(1.053)	4334048	40.0000	41.705
123 Fluoranthene	202	9.019	9.019	(1.118)	4045075	40.0000	40.877
124 Benzidine	184	9.104	9.104	(0.894)	1145553	40.0000	48.794
125 Pyrene	202	9.201	9.201	(0.903)	4166057	40.0000	39.875
131 Butylbenzylphthalate	149	9.681	9.681	(0.951)	1838495	40.0000	41.025
135 3,3'-Dichlorobenzidine	252	10.135	10.135	(0.995)	1402825	40.0000	44.769

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
136 Benzo(a)Anthracene	228	10.173	10.173	(0.999)	3828416	40.0000	40.469
137 Chrysene	228	10.205	10.205	(1.002)	3603704	40.0000	41.626
139 bis(2-ethylhexyl)Phthalate	149	10.141	10.141	(0.996)	2541219	40.0000	40.334
140 Di-n-octylphthalate	149	10.712	10.712	(0.920)	4593422	40.0000	41.591
141 Benzo(b)fluoranthene	252	11.215	11.215	(0.963)	4345513	40.0000	39.314
142 Benzo(k)fluoranthene	252	11.241	11.241	(0.966)	4566315	40.0000	42.146
143 7,12-dimethylbenz[a]anthracen	256	11.198	11.198	(0.962)	1881167	40.0000	41.431
146 Benzo(a)pyrene	252	11.583	11.583	(0.995)	3372360	40.0000	41.356
149 Indeno(1,2,3-cd)pyrene	276	13.127	13.127	(1.128)	4256390	40.0000	43.033
150 Dibenz(a,h)anthracene	278	13.132	13.132	(1.128)	3589914	40.0000	42.415
151 Benzo(g,h,i)perylene	276	13.565	13.565	(1.165)	3575908	40.0000	43.000
$ 154 Nitrobenzene-d5	82	5.012	5.012	(0.900)	1039700	40.0000	39.141
$ 155 2-Fluorobiphenyl	172	6.396	6.396	(0.924)	2545205	40.0000	40.369
$ 156 Terphenyl-d14	244	9.302	9.302	(0.913)	2520964	40.0000	40.047
$ 157 Phenol-d5	99	4.323	4.323	(0.941)	1152775	40.0000	37.598
$ 158 2-Fluorophenol	112	3.570	3.570	(0.777)	948711	40.0000	38.150
$ 159 2,4,6-Tribromophenol	330	7.528	7.528	(0.933)	343331	40.0000	46.354
$ 186 2-Chlorophenol-d4	132	4.419	4.419	(0.962)	1174683	40.0000	37.085
$ 187 1,2-Dichlorobenzene-d4	152	4.713	4.713	(1.026)	841412	40.0000	37.316

QC Flag Legend

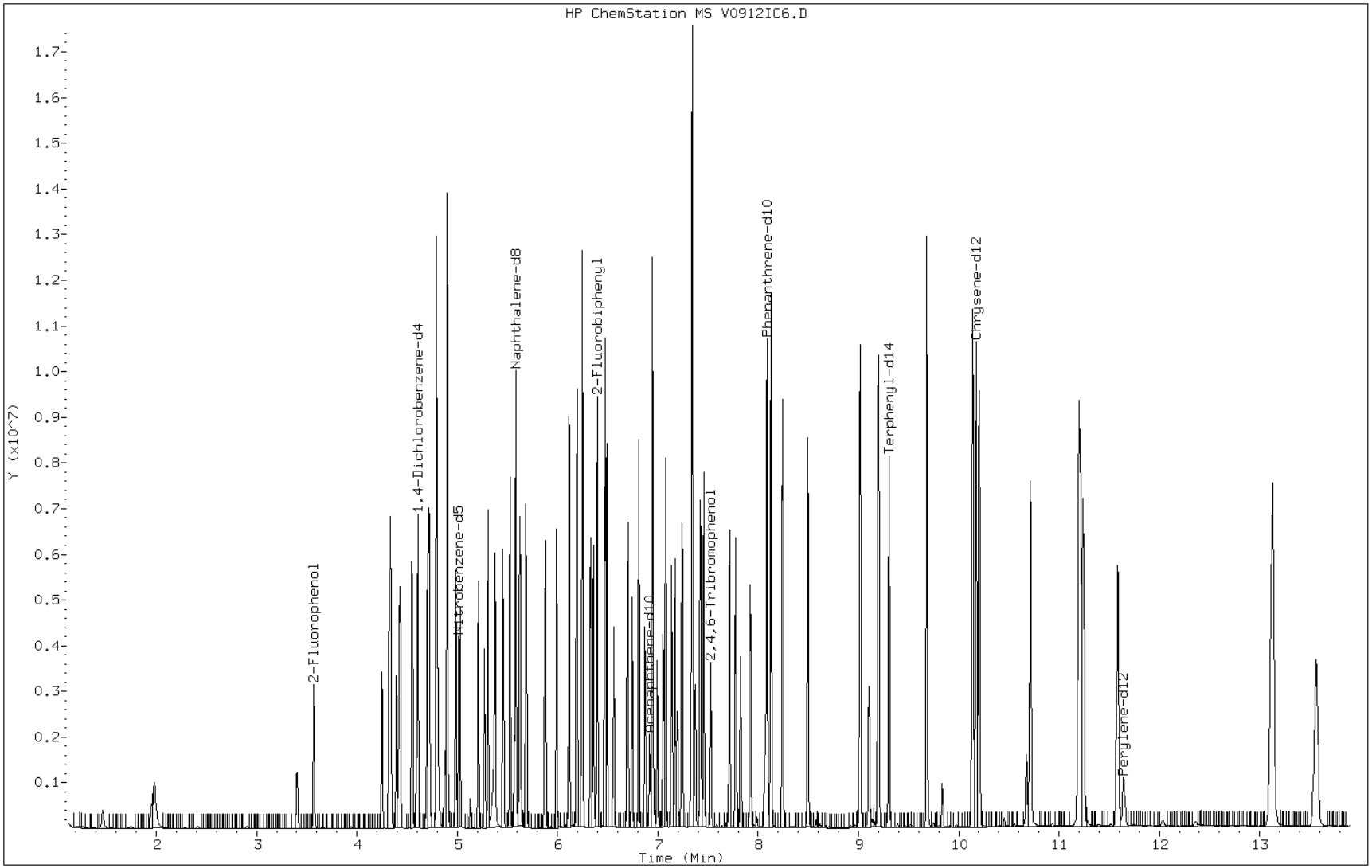
M - Compound response manually integrated.

Data File: V0912IC6.D

Date: 12-SEP-2012 12:58

Client ID: Instrument: 731.i

Sample Info: IC 495232 Operator: 003200



Manual Integration Report

Data File: V0912IC6.D
Inj. Date and Time: 12-SEP-2012 12:58
Instrument ID: 731.i
Client ID:
Compound: 29 Benzyl Alcohol
CAS #: 100-51-6
Report Date: 09/13/2012

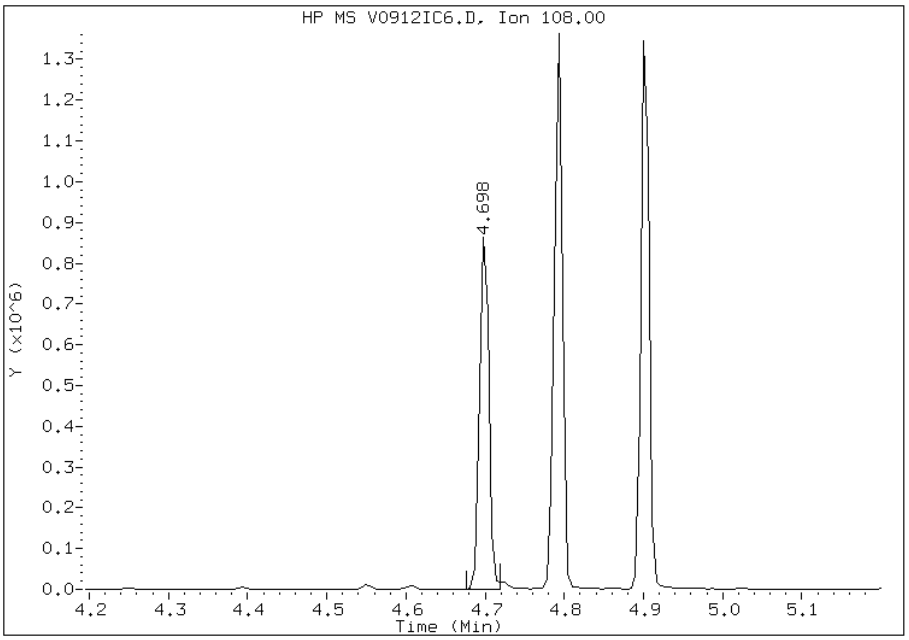
Processing Integration Results

RT: 4.70

Response: 687191

Amount: 37

Conc: 37



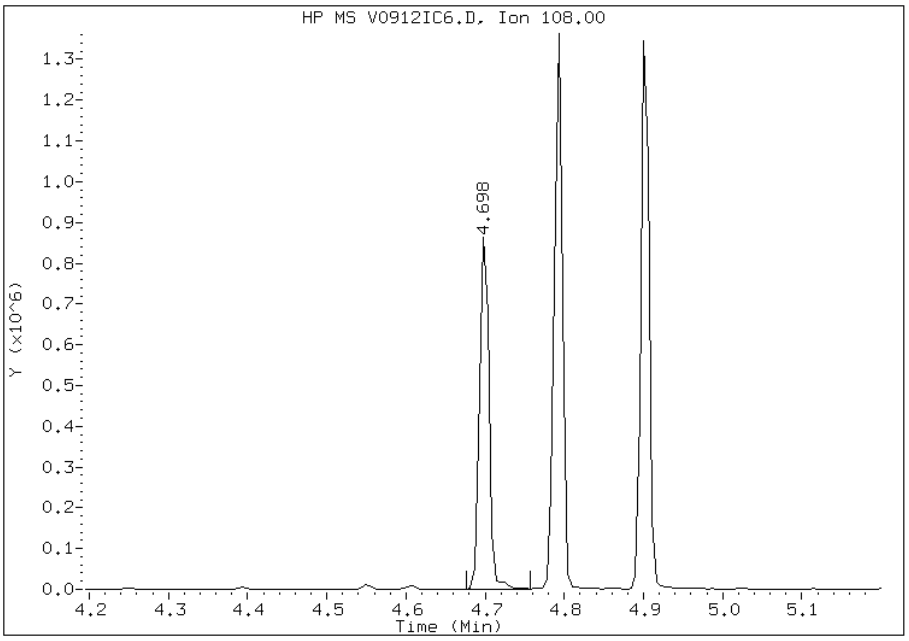
Manual Integration Results

RT: 4.70

Response: 698359

Amount: 38

Conc: 38



Manually Integrated By: piccolinov
Modification Date: 12-Sep-2012 13:20
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V0912IC6.D
Inj. Date and Time: 12-SEP-2012 12:58
Instrument ID: 731.i
Client ID:
Compound: 49 Benzoic Acid
CAS #: 65-85-0
Report Date: 09/13/2012

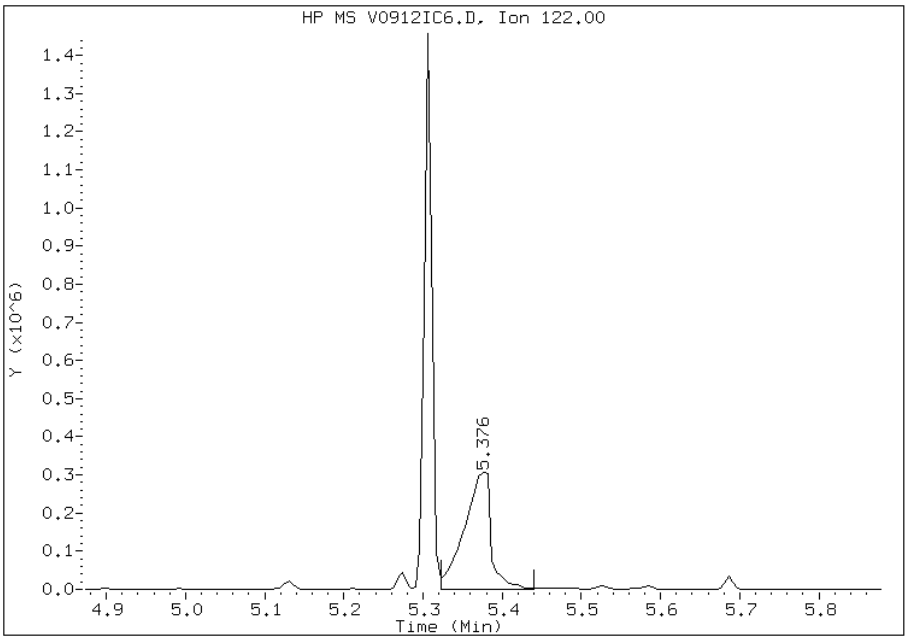
Processing Integration Results

RT: 5.38

Response: 718352

Amount: 43

Conc: 43



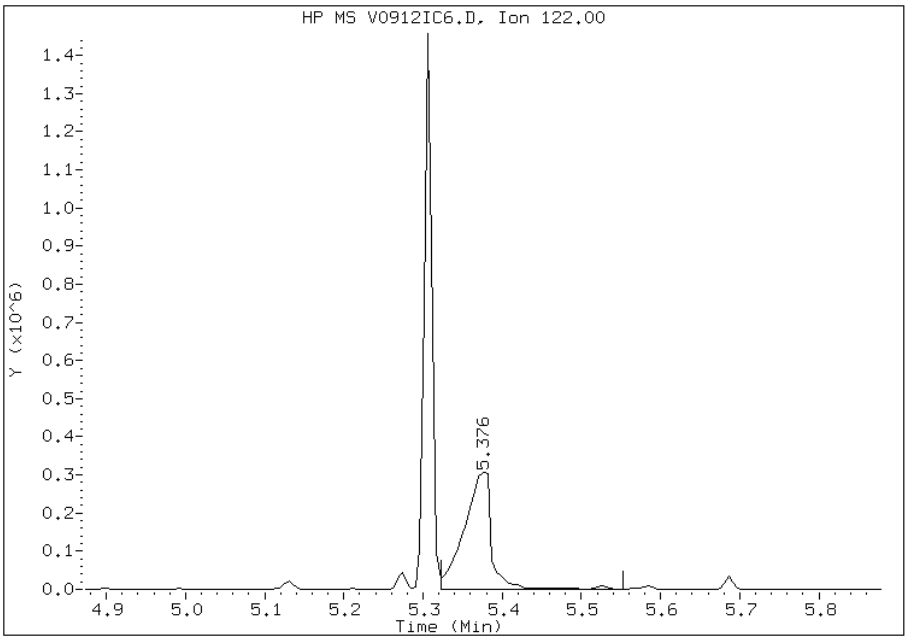
Manual Integration Results

RT: 5.38

Response: 738176

Amount: 44

Conc: 44



Manually Integrated By: piccolinov
Modification Date: 12-Sep-2012 13:21
Manual Integration Reason: Poor Chromatography

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV091212.b\V0912IC7.D
Lab Smp Id: IC 495233
Inj Date : 12-SEP-2012 13:23
Operator : 003200 Inst ID: 731.i
Smp Info : IC 495233
Misc Info : TV091212.b,T8270ll.m,padepi.sub
Comment :
Method : \\PITSVR06\D\chem\731.i\TV091212.b\T8270ll.m
Meth Date : 12-Sep-2012 13:45 piccolinov Quant Type: ISTD
Cal Date : 12-SEP-2012 13:23 Cal File: V0912IC7.D
Als bottle: 95 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: padepi.sub
Target Version: 4.14
Processing Host: PITPC-502

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 1,4-Dichlorobenzene-d4	152	4.593	4.593	(1.000)	148455	8.00000	
* 2 Naphthalene-d8	136	5.565	5.565	(1.000)	561787	8.00000	
* 3 Acenaphthene-d10	164	6.917	6.917	(1.000)	316575	8.00000	
* 4 Phenanthrene-d10	188	8.065	8.065	(1.000)	536305	8.00000	
* 5 Chrysene-d12	240	10.208	10.208	(1.000)	549991	8.00000	
* 6 Perylene-d12	264	11.687	11.687	(1.000)	574009	8.00000	
198 1,4-Dioxane	88	1.457	1.457	(0.317)	347336	60.0000	59.346
10 N-Nitrosodimethylamine	74	1.943	1.943	(0.423)	485455	60.0000	57.958
9 Pyridine	79	1.975	1.975	(0.430)	871419	60.0000	57.100
16 Methyl methanesulfonate	80	3.402	3.402	(0.741)	507371	60.0000	54.025
206 Benzaldehyde	77	4.246	4.246	(0.924)	515578	60.0000	46.481
21 Aniline	93	4.336	4.336	(0.944)	1547947	60.0000	54.256
22 Phenol	94	4.331	4.331	(0.943)	1664925	60.0000	57.104
23 bis(2-Chloroethyl)ether	93	4.390	4.390	(0.956)	1151640	60.0000	58.189
24 2-Chlorophenol	128	4.427	4.427	(0.964)	1496918	60.0000	59.433
26 1,3-Dichlorobenzene	146	4.550	4.550	(0.991)	1794282	60.0000	59.591
27 1,4-Dichlorobenzene	146	4.604	4.604	(1.002)	1810403	60.0000	58.882
28 1,2-Dichlorobenzene	146	4.721	4.721	(1.028)	1756773	60.0000	59.109
217 Indene	116	4.791	4.791	(1.043)	2361382	60.0000	59.495
29 Benzyl Alcohol	108	4.700	4.700	(1.023)	895870	60.0000	59.824(M)
30 2-Methylphenol	108	4.791	4.791	(1.043)	1264903	60.0000	58.572
31 2,2'-oxybis(1-Chloropropane)	45	4.807	4.807	(1.047)	1643318	60.0000	57.668
37 Acetophenone	105	4.897	4.897	(1.066)	1686803	60.0000	51.360
32 N-Nitroso-di-n-propylamine	70	4.903	4.903	(1.067)	797828	60.0000	56.884
192 4-Methylphenol	108	4.903	4.903	(1.067)	1231196	60.0000	58.966
34 Hexachloroethane	117	4.983	4.983	(1.085)	717706	60.0000	58.627
35 Nitrobenzene	77	5.026	5.026	(0.903)	1316036	60.0000	60.090
36 N-Nitrosopyrrolidine	100	4.876	4.876	(1.062)	532597	60.0000	61.342

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
41 Isophorone	82	5.207	5.207	(0.936)	2183344	60.0000	60.893
42 2-Nitrophenol	139	5.271	5.271	(0.947)	857708	60.0000	64.432
43 2,4-Dimethylphenol	107	5.303	5.303	(0.953)	1370687	60.0000	63.027
44 bis(2-Chloroethoxy)methane	93	5.373	5.373	(0.965)	1461504	60.0000	63.079
48 2,4-Dichlorophenol	162	5.458	5.458	(0.981)	1297933	60.0000	63.050
49 Benzoic Acid	122	5.384	5.384	(0.967)	931815	60.0000	67.210(M)
50 1,2,4-Trichlorobenzene	180	5.522	5.522	(0.992)	1554735	60.0000	61.711
51 Naphthalene	128	5.581	5.581	(1.003)	4544476	60.0000	63.118
52 4-Chloroaniline	127	5.619	5.619	(1.010)	1693936	60.0000	61.026
54 2,6-Dichlorophenol	162	5.629	5.629	(1.012)	1235589	60.0000	63.528
56 Hexachlorobutadiene	225	5.683	5.683	(1.021)	892491	60.0000	62.165
208 Caprolactam	113	5.880	5.880	(1.057)	353251	60.0000	67.316
59 4-Chloro-3-Methylphenol	107	5.987	5.987	(1.076)	1149025	60.0000	62.607
62 2-Methylnaphthalene	142	6.115	6.115	(1.099)	3065750	60.0000	62.746
63 1-Methylnaphthalene	142	6.190	6.190	(1.112)	2861662	60.0000	62.421
64 Hexachlorocyclopentadiene	237	6.244	6.244	(0.903)	1039831	60.0000	67.184
65 1,2,4,5-Tetrachlorobenzene	216	6.244	6.244	(0.903)	1450902	60.0000	61.471
66 2,4,6-Trichlorophenol	196	6.329	6.329	(0.915)	1039504	60.0000	65.246
67 2,4,5-Trichlorophenol	196	6.356	6.356	(0.919)	1082963	60.0000	63.078
209 1,1'-Biphenyl	154	6.473	6.473	(0.936)	3624423	60.0000	61.947
70 2-Chloronaphthalene	162	6.489	6.489	(0.938)	2999349	60.0000	62.467
73 2-Nitroaniline	65	6.559	6.559	(0.948)	690622	60.0000	61.091
76 Dimethylphthalate	163	6.698	6.698	(0.968)	3075610	60.0000	62.192
78 2,6-Dinitrotoluene	165	6.740	6.740	(0.975)	721703	60.0000	66.645
79 Acenaphthylene	152	6.810	6.810	(0.985)	4489890	60.0000	63.330
81 3-Nitroaniline	138	6.874	6.874	(0.994)	805116	60.0000	65.216
82 Acenaphthene	153	6.943	6.943	(1.004)	2884787	60.0000	62.721
83 2,4-Dinitrophenol	184	6.954	6.954	(1.005)	483439	60.0000	70.214
85 4-Nitrophenol	109	6.997	6.997	(1.012)	396206	60.0000	62.792
86 Dibenzofuran	168	7.077	7.077	(1.023)	4165387	60.0000	62.380
87 2,4-Dinitrotoluene	165	7.056	7.056	(1.020)	959031	60.0000	65.381
91 2,3,5,6-Tetrachlorophenol	232	7.136	7.136	(1.032)	861067	60.0000	67.006
88 2,3,4,6-Tetrachlorophenol	232	7.168	7.168	(1.036)	812671	60.0000	63.199
92 2-Naphthylamine	143	7.195	7.195	(1.040)	700204	60.0000	38.788
93 Diethylphthalate	149	7.243	7.243	(1.047)	3094041	60.0000	62.579
94 Fluorene	166	7.344	7.344	(1.062)	3433831	60.0000	64.159
95 4-Chlorophenyl-phenylether	204	7.333	7.333	(1.060)	1644073	60.0000	63.433
96 4-Nitroaniline	138	7.344	7.344	(1.062)	834805	60.0000	64.714
98 4,6-Dinitro-2-methylphenol	198	7.371	7.371	(0.914)	619871	60.0000	69.844
99 N-Nitrosodiphenylamine (1)	169	7.424	7.424	(0.921)	2212566	60.0000	62.782
100 1,2-Diphenylhydrazine	77	7.456	7.456	(0.924)	2872944	60.0000	60.295
106 4-Bromophenyl-phenylether	248	7.713	7.713	(0.956)	970048	60.0000	66.306
107 Hexachlorobenzene	284	7.777	7.777	(0.964)	977994	60.0000	66.476
210 Atrazine	200	7.825	7.825	(0.970)	236006	60.0000	32.142
111 Pentachlorophenol	266	7.921	7.921	(0.982)	709433	60.0000	66.551
115 Phenanthrene	178	8.087	8.087	(1.003)	4963961	60.0000	63.816
116 Anthracene	178	8.124	8.124	(1.007)	5072735	60.0000	64.352
119 Carbazole	167	8.242	8.242	(1.022)	4346541	60.0000	63.868
120 Di-n-Butylphthalate	149	8.498	8.498	(1.054)	5363148	60.0000	63.549
123 Fluoranthene	202	9.022	9.022	(1.119)	5210835	60.0000	64.643
124 Benzidine	184	9.112	9.112	(0.893)	1325250	60.0000	66.263
125 Pyrene	202	9.209	9.209	(0.902)	5200852	60.0000	59.544
131 Butylbenzylphthalate	149	9.700	9.700	(0.950)	2299740	60.0000	61.116
135 3,3'-Dichlorobenzidine	252	10.159	10.159	(0.995)	1850874	60.0000	68.833

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
136 Benzo(a)Anthracene	228	10.197	10.197	(0.999)	5003268	60.0000	62.707
137 Chrysene	228	10.229	10.229	(1.002)	4762780	60.0000	64.838
139 bis(2-ethylhexyl)Phthalate	149	10.170	10.170	(0.996)	3356653	60.0000	63.098
140 Di-n-octylphthalate	149	10.752	10.752	(0.920)	6046336	60.0000	64.312
141 Benzo(b)fluoranthene	252	11.255	11.255	(0.963)	5696899	60.0000	61.093
142 Benzo(k)fluoranthene	252	11.281	11.281	(0.965)	6062107	60.0000	65.507
143 7,12-dimethylbenz[a]anthracen	256	11.239	11.239	(0.962)	2527622	60.0000	65.228
146 Benzo(a)pyrene	252	11.623	11.623	(0.995)	4518708	60.0000	64.976
149 Indeno(1,2,3-cd)pyrene	276	13.172	13.172	(1.127)	5705482	60.0000	67.210
150 Dibenz(a,h)anthracene	278	13.172	13.172	(1.127)	4797530	60.0000	66.229
151 Benzo(g,h,i)perylene	276	13.610	13.610	(1.165)	4752741	60.0000	66.689
$ 154 Nitrobenzene-d5	82	5.010	5.010	(0.900)	1309362	60.0000	60.854
$ 155 2-Fluorobiphenyl	172	6.393	6.393	(0.924)	3286612	60.0000	63.311
$ 156 Terphenyl-d14	244	9.315	9.315	(0.913)	3157728	60.0000	59.937
$ 157 Phenol-d5	99	4.320	4.320	(0.941)	1406269	60.0000	57.210
$ 158 2-Fluorophenol	112	3.567	3.567	(0.777)	1172982	60.0000	58.607
$ 159 2,4,6-Tribromophenol	330	7.526	7.526	(0.933)	422239	60.0000	69.104
$ 186 2-Chlorophenol-d4	132	4.417	4.417	(0.962)	1480596	60.0000	58.153
$ 187 1,2-Dichlorobenzene-d4	152	4.710	4.710	(1.026)	1060842	60.0000	58.478

QC Flag Legend

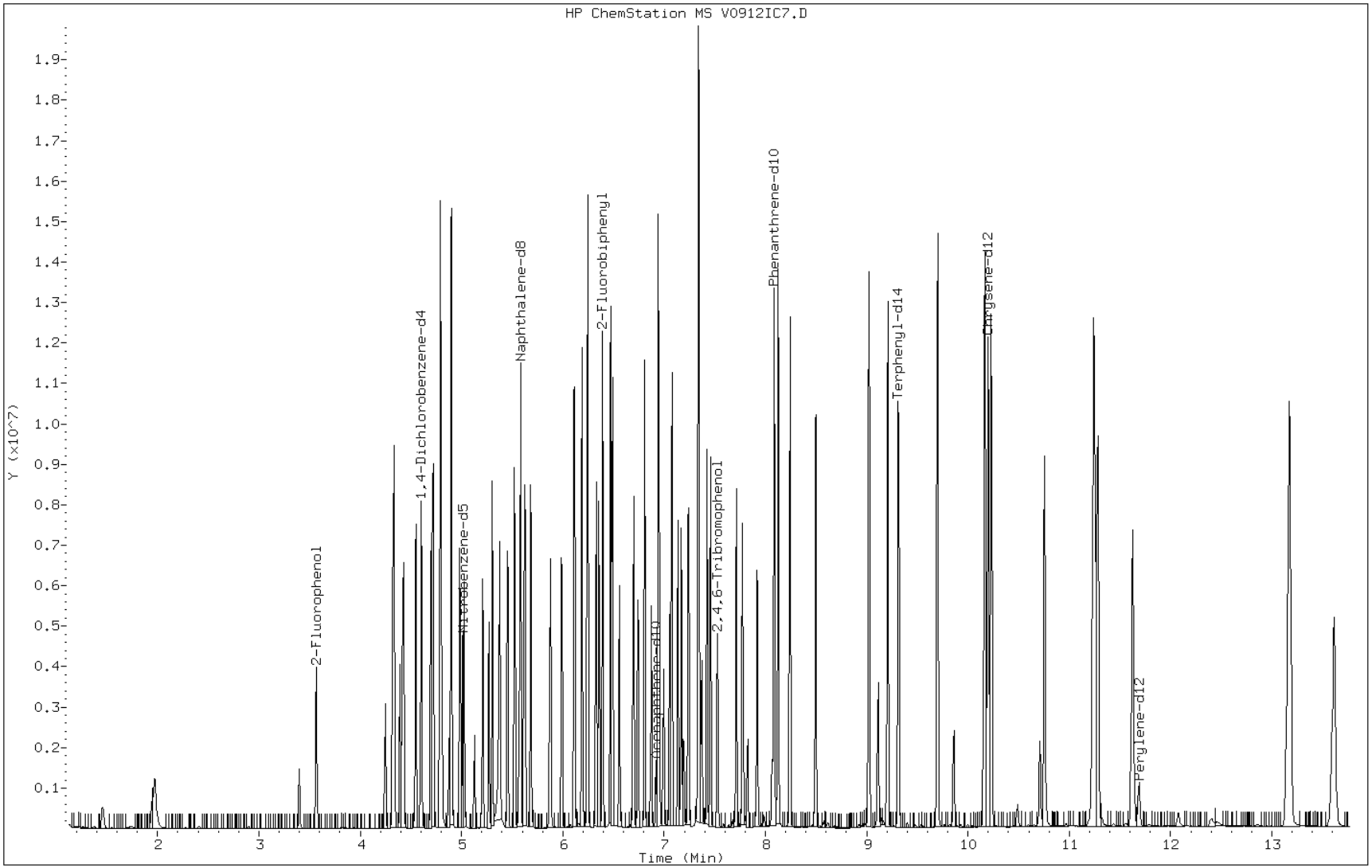
M - Compound response manually integrated.

Data File: V0912IC7.D

Date: 12-SEP-2012 13:23

Client ID: Instrument: 731.i

Sample Info: IC 495233 Operator: 003200



Manual Integration Report

Data File: V0912IC7.D
Inj. Date and Time: 12-SEP-2012 13:23
Instrument ID: 731.i
Client ID:
Compound: 29 Benzyl Alcohol
CAS #: 100-51-6
Report Date: 09/13/2012

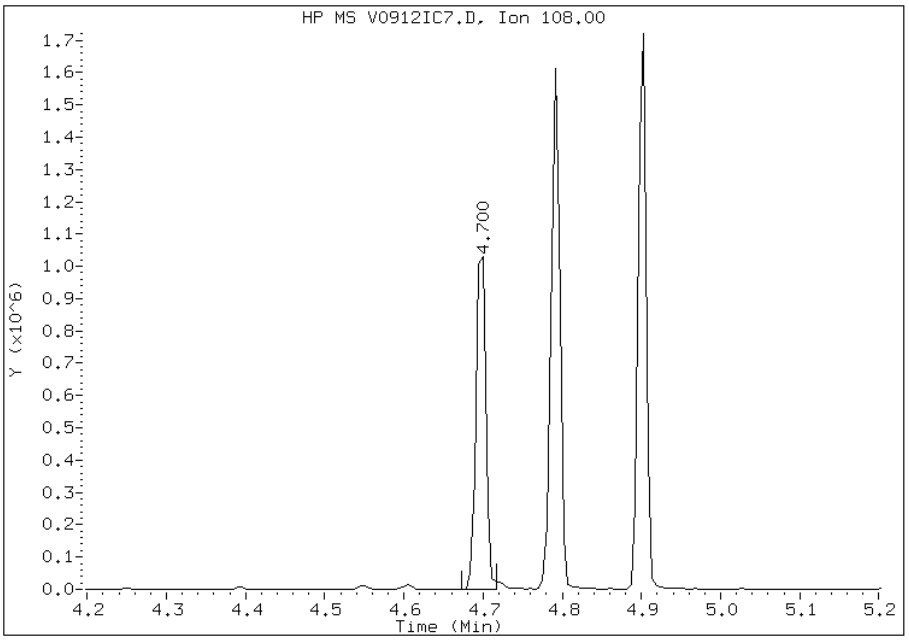
Processing Integration Results

RT: 4.70

Response: 879786

Amount: 59

Conc: 59



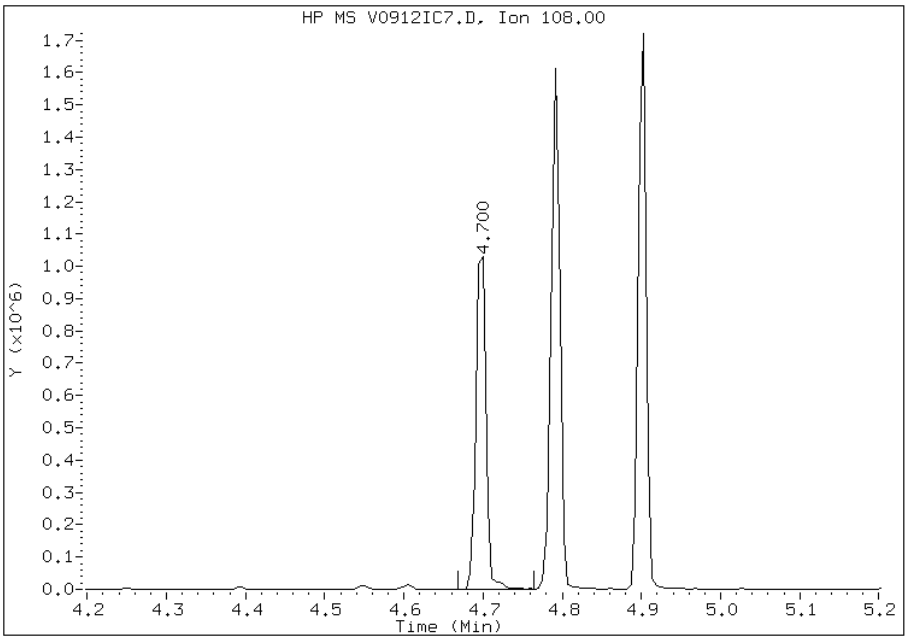
Manual Integration Results

RT: 4.70

Response: 895870

Amount: 60

Conc: 60



Manually Integrated By: piccolinov
Modification Date: 12-Sep-2012 13:46
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V0912IC7.D
Inj. Date and Time: 12-SEP-2012 13:23
Instrument ID: 731.i
Client ID:
Compound: 49 Benzoic Acid
CAS #: 65-85-0
Report Date: 09/13/2012

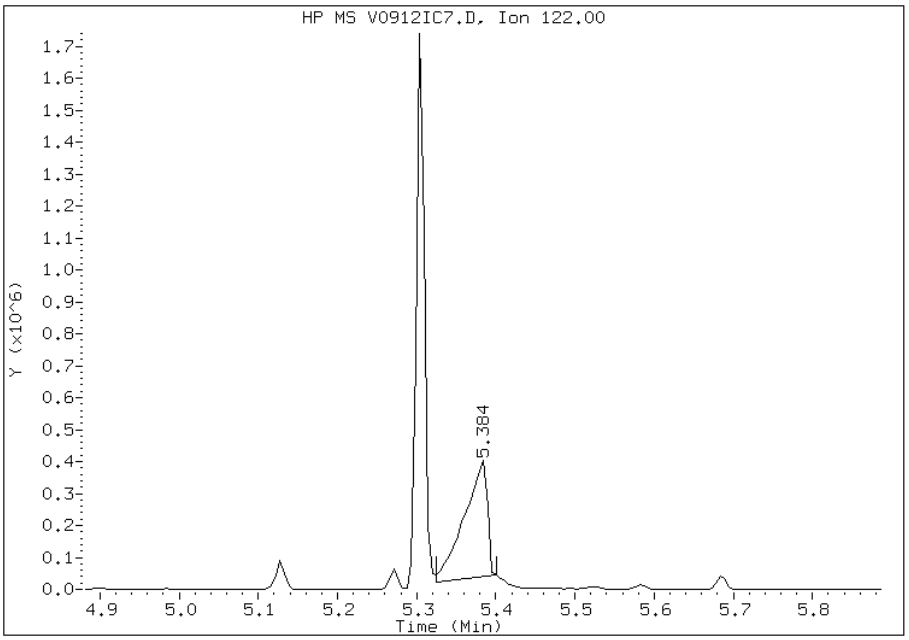
Processing Integration Results

RT: 5.38

Response: 729161

Amount: 54

Conc: 54



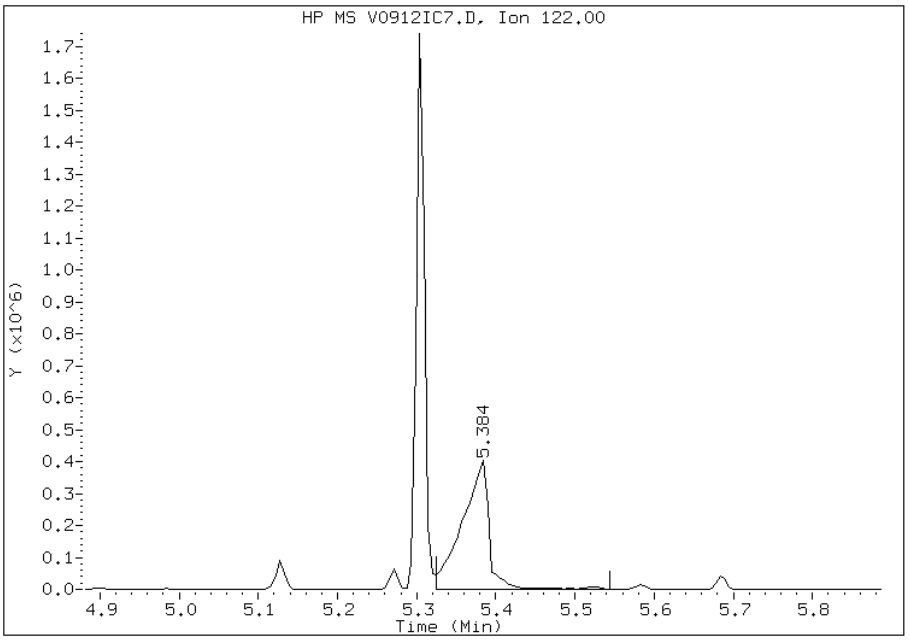
Manual Integration Results

RT: 5.38

Response: 931815

Amount: 67

Conc: 67



Manually Integrated By: piccolinov
Modification Date: 12-Sep-2012 13:46
Manual Integration Reason: Poor Chromatography

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV091212.b\V0912IC8.D
Lab Smp Id: IC 495239
Inj Date : 12-SEP-2012 13:48
Operator : 003200 Inst ID: 731.i
Smp Info : IC 495239
Misc Info : TV091212.b,T8270ll.m,padepi.sub
Comment :
Method : \\PITSVR06\D\chem\731.i\TV091212.b\T8270ll.m
Meth Date : 12-Sep-2012 14:13 piccolinov Quant Type: ISTD
Cal Date : 12-SEP-2012 13:48 Cal File: V0912IC8.D
Als bottle: 96 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: padepi.sub
Target Version: 4.14
Processing Host: PITPC-502

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 1,4-Dichlorobenzene-d4	152	4.593	4.593	(1.000)	150947	8.00000	
* 2 Naphthalene-d8	136	5.565	5.565	(1.000)	566358	8.00000	
* 3 Acenaphthene-d10	164	6.916	6.916	(1.000)	308609	8.00000	
* 4 Phenanthrene-d10	188	8.065	8.065	(1.000)	527027	8.00000	
* 5 Chrysene-d12	240	10.197	10.197	(1.000)	545051	8.00000	
* 6 Perylene-d12	264	11.671	11.671	(1.000)	592013	8.00000	
198 1,4-Dioxane	88	1.451	1.451	(0.316)	455473	80.0000	76.954
10 N-Nitrosodimethylamine	74	1.943	1.943	(0.423)	649324	80.0000	76.693
9 Pyridine	79	1.970	1.970	(0.429)	1130644	80.0000	73.684
16 Methyl methanesulfonate	80	3.401	3.401	(0.741)	645346	80.0000	68.919
206 Benzaldehyde	77	4.245	4.245	(0.924)	588504	80.0000	54.551
21 Aniline	93	4.336	4.336	(0.944)	2022073	80.0000	70.843
22 Phenol	94	4.331	4.331	(0.943)	2098392	80.0000	71.818
23 bis(2-Chloroethyl)ether	93	4.395	4.395	(0.957)	1474424	80.0000	74.047
24 2-Chlorophenol	128	4.432	4.432	(0.965)	1934386	80.0000	76.065
26 1,3-Dichlorobenzene	146	4.550	4.550	(0.991)	2301669	80.0000	75.751
27 1,4-Dichlorobenzene	146	4.603	4.603	(1.002)	2410465	80.0000	77.455
28 1,2-Dichlorobenzene	146	4.721	4.721	(1.028)	2293381	80.0000	76.381
217 Indene	116	4.790	4.790	(1.043)	3085631	80.0000	76.884
29 Benzyl Alcohol	108	4.699	4.699	(1.023)	1132233	80.0000	75.021
30 2-Methylphenol	108	4.796	4.796	(1.044)	1604842	80.0000	73.884
31 2,2'-oxybis(1-Chloropropane)	45	4.806	4.806	(1.047)	2091325	80.0000	73.071
37 Acetophenone	105	4.897	4.897	(1.066)	2185302	80.0000	66.963
32 N-Nitroso-di-n-propylamine	70	4.902	4.902	(1.067)	1035976	80.0000	73.489
192 4-Methylphenol	108	4.902	4.902	(1.067)	1566191	80.0000	74.497
34 Hexachloroethane	117	4.983	4.983	(1.085)	937109	80.0000	75.845
35 Nitrobenzene	77	5.025	5.025	(0.903)	1712074	80.0000	77.842
36 N-Nitrosopyrrolidine	100	4.881	4.881	(1.063)	679946	80.0000	77.380

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
41 Isophorone	82	5.207	5.207	(0.936)	2852546	80.0000	79.049
42 2-Nitrophenol	139	5.271	5.271	(0.947)	1151731	80.0000	85.047
43 2,4-Dimethylphenol	107	5.303	5.303	(0.953)	1715598	80.0000	78.464
44 bis(2-Chloroethoxy)methane	93	5.378	5.378	(0.966)	1879579	80.0000	80.410
48 2,4-Dichlorophenol	162	5.458	5.458	(0.981)	1668676	80.0000	80.355
49 Benzoic Acid	122	5.394	5.394	(0.969)	1228656	80.0000	86.833(M)
50 1,2,4-Trichlorobenzene	180	5.522	5.522	(0.992)	2093555	80.0000	82.115
51 Naphthalene	128	5.581	5.581	(1.003)	5939796	80.0000	81.598
52 4-Chloroaniline	127	5.618	5.618	(1.010)	2222447	80.0000	79.492
54 2,6-Dichlorophenol	162	5.629	5.629	(1.012)	1586692	80.0000	80.805
56 Hexachlorobutadiene	225	5.682	5.682	(1.021)	1188558	80.0000	81.848
208 Caprolactam	113	5.885	5.885	(1.058)	454921	80.0000	85.193
59 4-Chloro-3-Methylphenol	107	5.992	5.992	(1.077)	1469678	80.0000	79.503
62 2-Methylnaphthalene	142	6.115	6.115	(1.099)	4021136	80.0000	81.427
63 1-Methylnaphthalene	142	6.190	6.190	(1.112)	3778232	80.0000	81.526
64 Hexachlorocyclopentadiene	237	6.243	6.243	(0.903)	1324169	80.0000	86.712
65 1,2,4,5-Tetrachlorobenzene	216	6.243	6.243	(0.903)	1907233	80.0000	82.517
66 2,4,6-Trichlorophenol	196	6.329	6.329	(0.915)	1342336	80.0000	85.569
67 2,4,5-Trichlorophenol	196	6.356	6.356	(0.919)	1377778	80.0000	82.024
209 1,1'-Biphenyl	154	6.473	6.473	(0.936)	4868019	80.0000	84.642
70 2-Chloronaphthalene	162	6.489	6.489	(0.938)	4004270	80.0000	84.813
73 2-Nitroaniline	65	6.559	6.559	(0.948)	873789	80.0000	79.377
76 Dimethylphthalate	163	6.697	6.697	(0.968)	4029510	80.0000	83.118
78 2,6-Dinitrotoluene	165	6.746	6.746	(0.975)	919174	80.0000	86.120
79 Acenaphthylene	152	6.810	6.810	(0.985)	5731806	80.0000	82.555
81 3-Nitroaniline	138	6.874	6.874	(0.994)	1012991	80.0000	83.627
82 Acenaphthene	153	6.943	6.943	(1.004)	3763221	80.0000	83.419
83 2,4-Dinitrophenol	184	6.954	6.954	(1.005)	640478	80.0000	93.178
85 4-Nitrophenol	109	6.997	6.997	(1.012)	518988	80.0000	83.801
86 Dibenzofuran	168	7.077	7.077	(1.023)	5505073	80.0000	83.971
87 2,4-Dinitrotoluene	165	7.055	7.055	(1.020)	1233286	80.0000	85.415
91 2,3,5,6-Tetrachlorophenol	232	7.136	7.136	(1.032)	1141224	80.0000	89.546
88 2,3,4,6-Tetrachlorophenol	232	7.168	7.168	(1.036)	1095562	80.0000	86.399
92 2-Naphthylamine	143	7.194	7.194	(1.040)	910021	80.0000	54.104
93 Diethylphthalate	149	7.242	7.242	(1.047)	3864207	80.0000	80.151
94 Fluorene	166	7.344	7.344	(1.062)	4366071	80.0000	83.204
95 4-Chlorophenyl-phenylether	204	7.333	7.333	(1.060)	2184208	80.0000	85.586
96 4-Nitroaniline	138	7.349	7.349	(1.063)	1081362	80.0000	85.194
98 4,6-Dinitro-2-methylphenol	198	7.371	7.371	(0.914)	822963	80.0000	92.289
99 N-Nitrosodiphenylamine (1)	169	7.424	7.424	(0.921)	2869607	80.0000	82.491
100 1,2-Diphenylhydrazine	77	7.456	7.456	(0.924)	3751245	80.0000	80.100
106 4-Bromophenyl-phenylether	248	7.712	7.712	(0.956)	1269316	80.0000	87.160
107 Hexachlorobenzene	284	7.777	7.777	(0.964)	1261060	80.0000	86.252
210 Atrazine	200	7.825	7.825	(0.970)	278882	80.0000	41.320
111 Pentachlorophenol	266	7.921	7.921	(0.982)	949339	80.0000	89.144
115 Phenanthrene	178	8.086	8.086	(1.003)	6369545	80.0000	82.897
116 Anthracene	178	8.124	8.124	(1.007)	6486296	80.0000	83.247
119 Carbazole	167	8.241	8.241	(1.022)	5500482	80.0000	81.960
120 Di-n-Butylphthalate	149	8.492	8.492	(1.053)	6926121	80.0000	83.058
123 Fluoranthene	202	9.021	9.021	(1.119)	6821145	80.0000	85.296
124 Benzidine	184	9.107	9.107	(0.893)	1822850	80.0000	90.280
125 Pyrene	202	9.203	9.203	(0.903)	6791762	80.0000	78.651
131 Butylbenzylphthalate	149	9.689	9.689	(0.950)	3034712	80.0000	81.204
135 3,3'-Dichlorobenzidine	252	10.148	10.148	(0.995)	2458195	80.0000	90.516

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
136 Benzo(a)Anthracene	228	10.186	10.186	(0.999)	6491571	80.0000	81.830
137 Chrysene	228	10.223	10.223	(1.003)	6482767	80.0000	87.811
139 bis(2-ethylhexyl)Phthalate	149	10.159	10.159	(0.996)	4355799	80.0000	82.285
140 Di-n-octylphthalate	149	10.741	10.741	(0.920)	7960875	80.0000	81.832
141 Benzo(b)fluoranthene	252	11.244	11.244	(0.963)	7943369	80.0000	82.260
142 Benzo(k)fluoranthene	252	11.270	11.270	(0.966)	8174630	80.0000	84.900
143 7,12-dimethylbenz[a]anthracen	256	11.222	11.222	(0.962)	3400440	80.0000	84.413
146 Benzo(a)pyrene	252	11.612	11.612	(0.995)	6167658	80.0000	85.193
149 Indeno(1,2,3-cd)pyrene	276	13.161	13.161	(1.128)	7759696	80.0000	87.450
150 Dibenz(a,h)anthracene	278	13.167	13.167	(1.128)	6610021	80.0000	87.319
151 Benzo(g,h,i)perylene	276	13.605	13.605	(1.166)	6504354	80.0000	87.333
$ 154 Nitrobenzene-d5	82	5.015	5.015	(0.901)	1727780	80.0000	79.695
$ 155 2-Fluorobiphenyl	172	6.393	6.393	(0.924)	4321368	80.0000	84.680
$ 156 Terphenyl-d14	244	9.310	9.310	(0.913)	4207079	80.0000	80.506
$ 157 Phenol-d5	99	4.320	4.320	(0.941)	1843133	80.0000	74.473
$ 158 2-Fluorophenol	112	3.567	3.567	(0.777)	1501868	80.0000	74.523
$ 159 2,4,6-Tribromophenol	330	7.525	7.525	(0.933)	554753	80.0000	90.636
$ 186 2-Chlorophenol-d4	132	4.416	4.416	(0.962)	1883272	80.0000	73.581
$ 187 1,2-Dichlorobenzene-d4	152	4.710	4.710	(1.026)	1373415	80.0000	75.109

QC Flag Legend

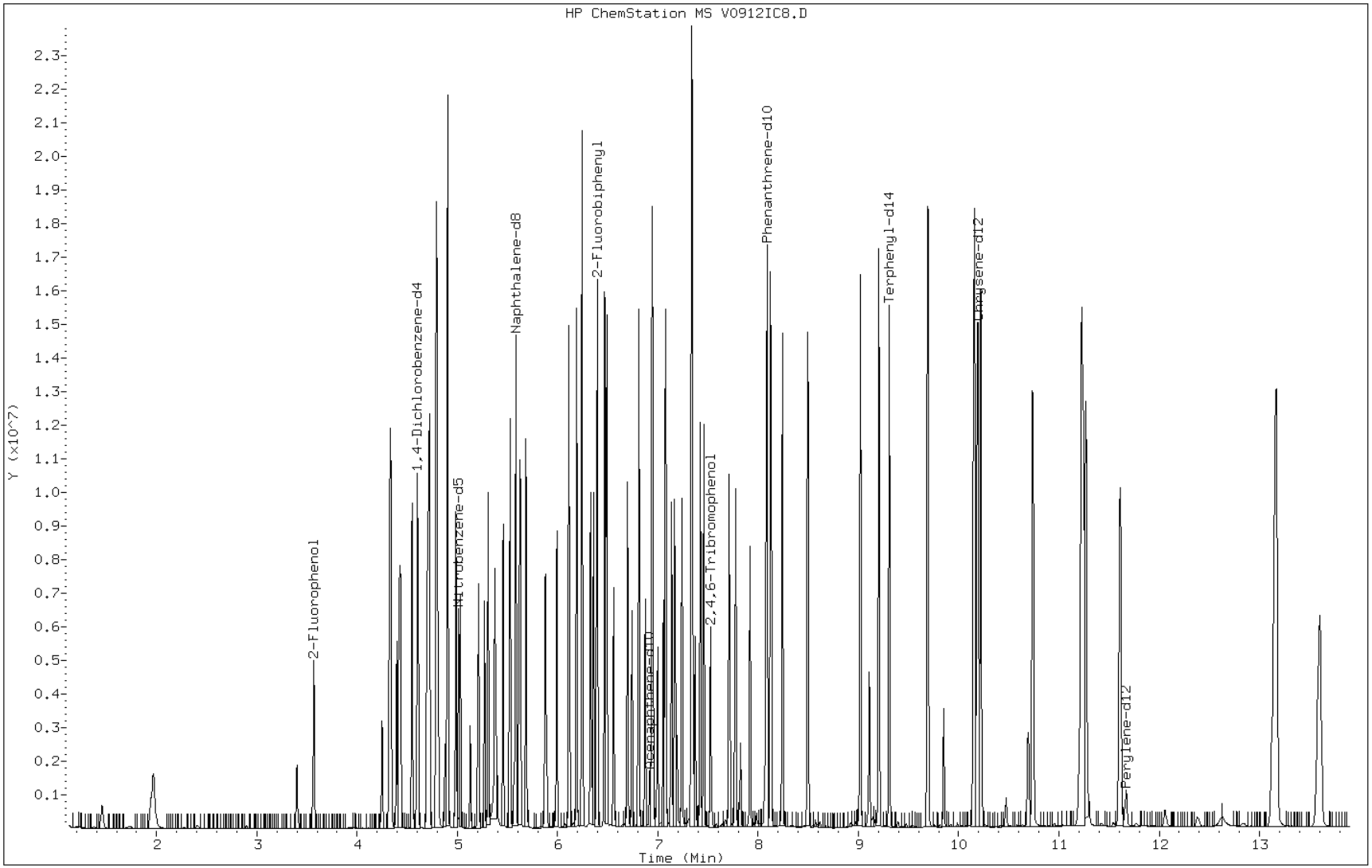
M - Compound response manually integrated.

Data File: V0912IC8.D

Date: 12-SEP-2012 13:48

Client ID: Instrument: 731.i

Sample Info: IC 495239 Operator: 003200



Manual Integration Report

Data File: V0912IC8.D
Inj. Date and Time: 12-SEP-2012 13:48
Instrument ID: 731.i
Client ID:
Compound: 49 Benzoic Acid
CAS #: 65-85-0
Report Date: 09/13/2012

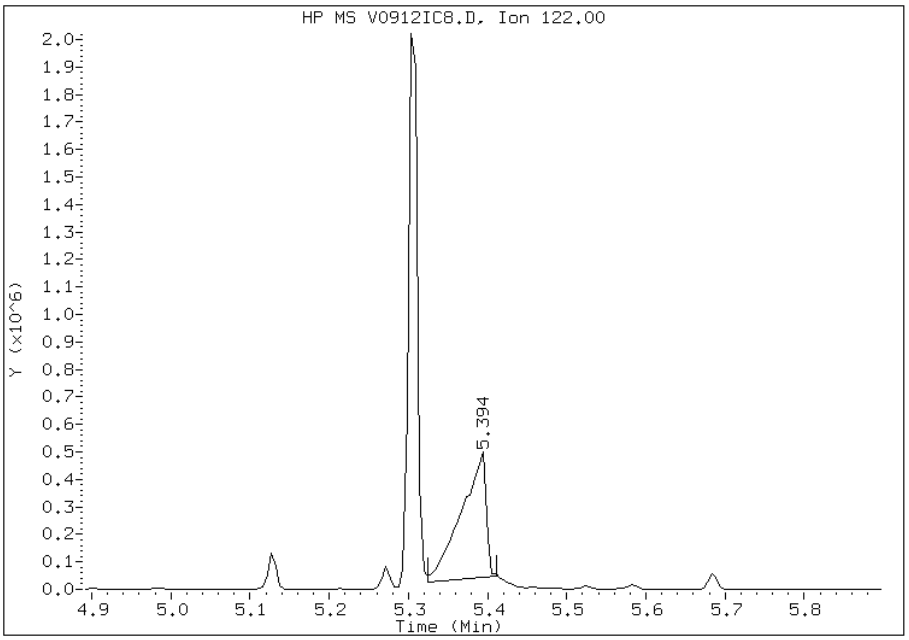
Processing Integration Results

RT: 5.39

Response: 972410

Amount: 71

Conc: 71



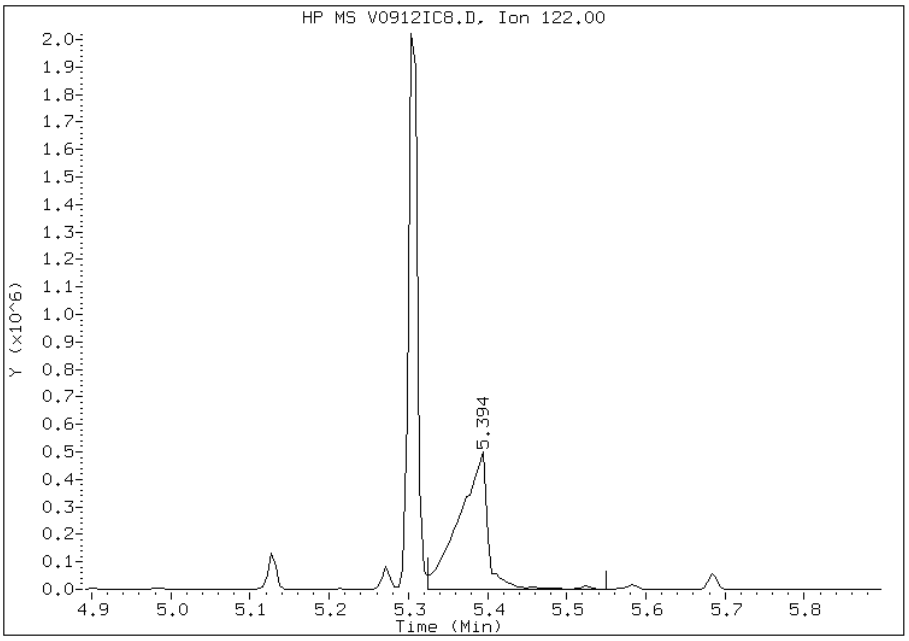
Manual Integration Results

RT: 5.39

Response: 1228656

Amount: 87

Conc: 87



Manually Integrated By: piccolinov
Modification Date: 12-Sep-2012 14:14
Manual Integration Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: CCVIS 180-49849/1 Calibration Date: 09/26/2012 13:01

Instrument ID: 731 Calib Start Date: 09/12/2012 11:01

GC Column: Rxi-5SilMS ID: 0.32(mm) Calib End Date: 09/12/2012 13:48

Lab File ID: V09260CC.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.3137	0.3749		2.39	2.00	19.5	50.0
N-Nitrosodimethylamine	Ave	0.4487	0.4514		2.01	2.00	0.6	50.0
Pyridine	Ave	0.8132	0.8497		2.09	2.00	4.5	50.0
Methyl methanesulfonate	Ave	0.4963	0.4959		2.00	2.00	-0.0	50.0
Benzaldehyde	Ave	0.6202	0.6410		2.07	2.00	3.4	50.0
Aniline	Ave	1.513	1.456		1.92	2.00	-3.8	50.0
Phenol	Ave	1.549	1.490		1.92	2.00	-3.8	20.0
Bis(2-chloroethyl)ether	Ave	1.055	1.115		2.11	2.00	5.7	25.0
2-Chlorophenol	Ave	1.348	1.352		2.01	2.00	0.3	25.0
1,3-Dichlorobenzene	Ave	1.610	1.642		2.04	2.00	2.0	50.0
1,4-Dichlorobenzene	Ave	1.649	1.665		2.02	2.00	0.9	20.0
Benzyl alcohol	Ave	0.7999	0.5209		1.30	2.00	-34.9	50.0
1,2-Dichlorobenzene	Ave	1.591	1.540		1.94	2.00	-3.2	50.0
2-Methylphenol	Ave	1.151	1.100		1.91	2.00	-4.4	25.0
Indene	Ave	2.127	2.141		2.01	2.00	0.6	50.0
2,2'-oxybis[1-chloropropane]	Ave	1.517	1.523		2.01	2.00	0.4	50.0
N-Nitrosopyrrolidine	Ave	0.4657	0.5117		2.20	2.00	9.9	50.0
Acetophenone	Ave	1.588	1.713		2.16	2.00	7.8	50.0
N-Nitrosodi-n-propylamine	Ave	0.7471	0.7757	0.0500	2.08	2.00	3.8	25.0
Methylphenol, 3 & 4	Ave	1.114	1.101		1.98	2.00	-1.2	25.0
Hexachloroethane	Ave	0.6548	0.6419		1.96	2.00	-2.0	25.0
Nitrobenzene	Ave	0.3107	0.3122		2.01	2.00	0.5	25.0
Isophorone	Ave	0.5097	0.5274		2.07	2.00	3.5	25.0
2-Nitrophenol	Ave	0.1913	0.1956		2.05	2.00	2.3	20.0
2,4-Dimethylphenol	Ave	0.3088	0.3338		2.16	2.00	8.1	25.0
Benzoic acid	Ave	0.1999	0.1629		4.07	5.00	-18.5	50.0
Bis(2-chloroethoxy)methane	Ave	0.3302	0.3417		2.07	2.00	3.5	25.0
2,4-Dichlorophenol	Ave	0.2933	0.2963		2.02	2.00	1.0	20.0
1,2,4-Trichlorobenzene	Ave	0.3601	0.3613		2.01	2.00	0.3	25.0
Naphthalene	Ave	1.028	1.005		1.96	2.00	-2.2	25.0
4-Chloroaniline	Ave	0.3949	0.4021		2.04	2.00	1.8	50.0
2,6-Dichlorophenol	Ave	0.2774	0.2835		2.04	2.00	2.2	50.0
Hexachlorobutadiene	Ave	0.2051	0.2104		2.05	2.00	2.6	20.0
Caprolactam	Ave	0.0754	0.0745		1.97	2.00	-1.3	50.0
4-Chloro-3-methylphenol	Ave	0.2611	0.2753		2.11	2.00	5.4	20.0
2-Methylnaphthalene	Ave	0.6976	0.6867		1.97	2.00	-1.6	25.0
1-Methylnaphthalene	Ave	0.6546	0.6597		2.02	2.00	0.8	50.0
Hexachlorocyclopentadiene	Ave	0.3959	0.3944	0.0500	1.99	2.00	-0.4	50.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5992	0.5785		1.93	2.00	-3.4	50.0
2,4,6-Trichlorophenol	Ave	0.4067	0.3856		1.90	2.00	-5.2	20.0
2,4,5-Trichlorophenol	Ave	0.4354	0.4184		1.92	2.00	-3.9	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: CCVIS 180-49849/1 Calibration Date: 09/26/2012 13:01

Instrument ID: 731 Calib Start Date: 09/12/2012 11:01

GC Column: Rxi-5SilMS ID: 0.32(mm) Calib End Date: 09/12/2012 13:48

Lab File ID: V09260CC.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1'-Biphenyl	Ave	1.491	1.397		1.87	2.00	-6.3	50.0
2-Chloronaphthalene	Ave	1.224	1.196		1.96	2.00	-2.2	25.0
2-Nitroaniline	Ave	0.2854	0.2700		1.89	2.00	-5.4	50.0
Dimethyl phthalate	Ave	1.257	1.260		2.01	2.00	0.3	50.0
2,6-Dinitrotoluene	Ave	0.2767	0.2813		2.03	2.00	1.7	25.0
Acenaphthylene	Ave	1.800	1.717		1.91	2.00	-4.6	25.0
3-Nitroaniline	Ave	0.3140	0.3121		1.99	2.00	-0.6	50.0
Acenaphthene	Ave	1.169	1.129		1.93	2.00	-3.5	20.0
2,4-Dinitrophenol	Ave	0.1782	0.1351	0.0500	3.79	5.00	-24.2	50.0
4-Nitrophenol	Ave	0.1605	0.1535	0.0500	4.78	5.00	-4.4	50.0
2,4-Dinitrotoluene	Ave	0.3743	0.3793		2.03	2.00	1.3	25.0
Dibenzofuran	Ave	1.699	1.659		1.95	2.00	-2.4	25.0
2,3,5,6-Tetrachlorophenol	Ave	0.3304	0.2877		1.74	2.00	-12.9	50.0
2,3,4,6-Tetrachlorophenol	Ave	0.3287	0.3033		1.85	2.00	-7.7	50.0
2-Naphthylamine	Qua	0.4831	0.3450		1.39	2.00	-30.4	50.0
Diethyl phthalate	Ave	1.250	1.296		2.07	2.00	3.7	50.0
4-Chlorophenyl phenyl ether	Ave	0.6616	0.6600		2.00	2.00	-0.2	25.0
Fluorene	Ave	1.360	1.322		1.94	2.00	-2.8	25.0
4-Nitroaniline	Ave	0.3290	0.3082		1.87	2.00	-6.3	50.0
4,6-Dinitro-2-methylphenol	Ave	0.1413	0.1108		3.92	5.00	-21.6	50.0
N-Nitrosodiphenylamine	Ave	0.5280	0.5065		1.92	2.00	-4.1	20.0
1,2-Diphenylhydrazine(as Azobenzene)	Ave	0.7109	0.7043		1.98	2.00	-0.9	50.0
4-Bromophenyl phenyl ether	Ave	0.2211	0.2163		1.96	2.00	-2.1	25.0
Hexachlorobenzene	Ave	0.2219	0.2230		2.01	2.00	0.5	25.0
Atrazine	Qua	0.1180	0.1030		1.73	2.00	-13.5	50.0
Pentachlorophenol	Ave	0.1617	0.1302		4.03	5.00	-19.5	20.0
Phenanthrene	Ave	1.166	1.130		1.94	2.00	-3.1	25.0
Anthracene	Ave	1.183	1.145		1.94	2.00	-3.2	25.0
Carbazole	Ave	1.019	0.9490		1.86	2.00	-6.8	50.0
Di-n-butyl phthalate	Ave	1.266	1.186		1.87	2.00	-6.3	50.0
Fluoranthene	Ave	1.214	1.142		1.88	2.00	-5.9	20.0
Benzidine	Ave	0.3092	0.3062			2.00	-1.0	50.0
Pyrene	Ave	1.267	1.412		2.23	2.00	11.4	25.0
Butyl benzyl phthalate	Ave	0.5485	0.6064		2.21	2.00	10.5	50.0
3,3'-Dichlorobenzidine	Ave	0.3986	0.3945		1.98	2.00	-1.0	50.0
Bis(2-ethylhexyl) phthalate	Ave	0.7770	0.8468		2.18	2.00	9.0	50.0
Benzo[a]anthracene	Ave	1.164	1.155		1.98	2.00	-0.8	25.0
Chrysene	Ave	1.084	1.083		2.00	2.00	-0.0	25.0
Di-n-octyl phthalate	Ave	1.315	1.424		2.17	2.00	8.3	20.0
7,12-Dimethylbenz(a)anthracene	Ave	0.5444	0.5591		2.05	2.00	2.7	50.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: CCVIS 180-49849/1 Calibration Date: 09/26/2012 13:01

Instrument ID: 731 Calib Start Date: 09/12/2012 11:01

GC Column: Rxi-5SilMS ID: 0.32(mm) Calib End Date: 09/12/2012 13:48

Lab File ID: V09260CC.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[b]fluoranthene	Ave	1.305	1.230		1.89	2.00	-5.7	25.0
Benzo[k]fluoranthene	Ave	1.301	1.384		2.13	2.00	6.4	25.0
Benzo[a]pyrene	Ave	0.9783	0.9597		1.96	2.00	-1.9	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.199	1.076		1.80	2.00	-10.2	50.0
Dibenz(a,h)anthracene	Ave	1.023	0.9217		1.80	2.00	-9.9	50.0
Benzo[g,h,i]perylene	Ave	1.006	0.9338		1.86	2.00	-7.2	25.0
2-Fluorophenol	Ave	1.068	1.029		1.93	2.00	-3.7	
Phenol-d5	Ave	1.312	1.289		1.97	2.00	-1.7	
2-Chlorophenol-d4	Ave	1.356	1.355		2.00	2.00	-0.1	
1,2-Dichlorobenzene-d4	Ave	0.9691	0.998		2.06	2.00	3.0	
Nitrobenzene-d5	Ave	0.3062	0.2964		1.94	2.00	-3.2	
2-Fluorobiphenyl	Ave	1.323	1.297		1.96	2.00	-1.9	
2,4,6-Tribromophenol	Ave	0.0929	0.0896		1.93	2.00	-3.6	
Terphenyl-d14	Ave	0.7670	0.8413		2.19	2.00	9.7	

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV092612.b\V09260CC.D
Lab Smp Id: CCVIS 568642
Inj Date : 26-SEP-2012 13:01
Operator : 003200 Inst ID: 731.i
Smp Info : CCVIS 568642
Misc Info : TV092612.b,T8270ll.m,padepi.sub
Comment :
Method : \\PITSVR06\D\chem\731.i\TV092612.b\T8270ll.m
Meth Date : 26-Sep-2012 13:25 piccolinov Quant Type: ISTD
Cal Date : 12-SEP-2012 13:48 Cal File: V0912IC8.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: padepi.sub
Target Version: 4.14
Processing Host: PITPC-502

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 1,4-Dichlorobenzene-d4	152	4.580	4.580	(1.000)	175072	8.00000	
* 2 Naphthalene-d8	136	5.552	5.552	(1.000)	694093	8.00000	
* 3 Acenaphthene-d10	164	6.899	6.899	(1.000)	406704	8.00000	
* 4 Phenanthrene-d10	188	8.042	8.042	(1.000)	690203	8.00000	
* 5 Chrysene-d12	240	10.093	10.093	(1.000)	563281	8.00000	
* 6 Perylene-d12	264	11.514	11.514	(1.000)	523582	8.00000	
198 1,4-Dioxane	88	1.466	1.466	(0.320)	32815	4.00000	4.7802
10 N-Nitrosodimethylamine	74	1.968	1.968	(0.430)	39515	4.00000	4.0240
9 Pyridine	79	2.000	2.000	(0.437)	74381	4.00000	4.1794(M)
16 Methyl methanesulfonate	80	3.399	3.399	(0.742)	43405	4.00000	3.9966
206 Benzaldehyde	77	4.233	4.233	(0.924)	56114	4.00000	4.1345
21 Aniline	93	4.324	4.324	(0.944)	127429	4.00000	3.8493
22 Phenol	94	4.324	4.324	(0.944)	130422	4.00000	3.8486
23 bis(2-Chloroethyl)ether	93	4.377	4.377	(0.956)	97606	4.00000	4.2264
24 2-Chlorophenol	128	4.420	4.420	(0.965)	118369	4.00000	4.0132
26 1,3-Dichlorobenzene	146	4.537	4.537	(0.991)	143774	4.00000	4.0798
27 1,4-Dichlorobenzene	146	4.591	4.591	(1.002)	145720	4.00000	4.0372
28 1,2-Dichlorobenzene	146	4.708	4.708	(1.028)	134782	4.00000	3.8703
217 Indene	116	4.778	4.778	(1.043)	187388	4.00000	4.0257
29 Benzyl Alcohol	108	4.687	4.687	(1.023)	45598	4.00000	2.6049(M)
30 2-Methylphenol	108	4.778	4.778	(1.043)	96331	4.00000	3.8238
31 2,2'-oxybis(1-Chloropropane)	45	4.794	4.794	(1.047)	133323	4.00000	4.0164
37 Acetophenone	105	4.885	4.885	(1.066)	149939	4.00000	4.3132
32 N-Nitroso-di-n-propylamine	70	4.885	4.885	(1.066)	67897	4.00000	4.1527
192 4-Methylphenol	108	4.895	4.895	(1.069)	96369	4.00000	3.9522
34 Hexachloroethane	117	4.970	4.970	(1.085)	56191	4.00000	3.9211
35 Nitrobenzene	77	5.013	5.013	(0.903)	108350	4.00000	4.0197
36 N-Nitrosopyrrolidine	100	4.858	4.858	(1.061)	44791	4.00000	4.3950

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
41 Isophorone	82	5.194	5.194	(0.936)	183018	4.00000	4.1384
42 2-Nitrophenol	139	5.258	5.258	(0.947)	67890	4.00000	4.0906
43 2,4-Dimethylphenol	107	5.296	5.296	(0.954)	115843	4.00000	4.3232
44 bis(2-Chloroethoxy)methane	93	5.360	5.360	(0.965)	118567	4.00000	4.1389
48 2,4-Dichlorophenol	162	5.445	5.445	(0.981)	102842	4.00000	4.0410
49 Benzoic Acid	122	5.349	5.349	(0.963)	141291	10.0000	8.1478(M)
50 1,2,4-Trichlorobenzene	180	5.510	5.510	(0.992)	125403	4.00000	4.0135
51 Naphthalene	128	5.568	5.568	(1.003)	348865	4.00000	3.9106
52 4-Chloroaniline	127	5.606	5.606	(1.010)	139535	4.00000	4.0724
54 2,6-Dichlorophenol	162	5.616	5.616	(1.012)	98377	4.00000	4.0880
56 Hexachlorobutadiene	225	5.670	5.670	(1.021)	73008	4.00000	4.1024
208 Caprolactam	113	5.846	5.846	(1.053)	25844	4.00000	3.9491
59 4-Chloro-3-Methylphenol	107	5.980	5.980	(1.077)	95530	4.00000	4.2167
62 2-Methylnaphthalene	142	6.097	6.097	(1.098)	238303	4.00000	3.9375
63 1-Methylnaphthalene	142	6.172	6.172	(1.112)	228951	4.00000	4.0311
64 Hexachlorocyclopentadiene	237	6.225	6.225	(0.902)	80204	4.00000	3.9853
65 1,2,4,5-Tetrachlorobenzene	216	6.231	6.231	(0.903)	117647	4.00000	3.8624
66 2,4,6-Trichlorophenol	196	6.316	6.316	(0.916)	78402	4.00000	3.7924
67 2,4,5-Trichlorophenol	196	6.343	6.343	(0.919)	85073	4.00000	3.8431
209 1,1'-Biphenyl	154	6.455	6.455	(0.936)	284098	4.00000	3.7483
70 2-Chloronaphthalene	162	6.471	6.471	(0.938)	243291	4.00000	3.9102
73 2-Nitroaniline	65	6.541	6.541	(0.948)	54898	4.00000	3.7842
76 Dimethylphthalate	163	6.679	6.679	(0.968)	256289	4.00000	4.0115
78 2,6-Dinitrotoluene	165	6.728	6.728	(0.975)	57211	4.00000	4.0674
79 Acenaphthylene	152	6.792	6.792	(0.985)	349203	4.00000	3.8165
81 3-Nitroaniline	138	6.856	6.856	(0.994)	63474	4.00000	3.9762
82 Acenaphthene	153	6.925	6.925	(1.004)	229549	4.00000	3.8611
83 2,4-Dinitrophenol	184	6.936	6.936	(1.005)	68660	10.0000	7.5795
85 4-Nitrophenol	109	6.984	6.984	(1.012)	78021	10.0000	9.5595
86 Dibenzofuran	168	7.059	7.059	(1.023)	337323	4.00000	3.9043
87 2,4-Dinitrotoluene	165	7.037	7.037	(1.020)	77136	4.00000	4.0538
91 2,3,5,6-Tetrachlorophenol	232	7.118	7.118	(1.032)	58497	4.00000	3.4829
88 2,3,4,6-Tetrachlorophenol	232	7.150	7.150	(1.036)	61670	4.00000	3.6904
92 2-Naphthylamine	143	7.171	7.171	(1.039)	70146	4.00000	2.7853
93 Diethylphthalate	149	7.219	7.219	(1.046)	263632	4.00000	4.1493
94 Fluorene	166	7.321	7.321	(1.061)	268794	4.00000	3.8869
95 4-Chlorophenyl-phenylether	204	7.315	7.315	(1.060)	134221	4.00000	3.9908
96 4-Nitroaniline	138	7.326	7.326	(1.062)	62674	4.00000	3.7468
98 4,6-Dinitro-2-methylphenol	198	7.347	7.347	(0.914)	95578	10.0000	7.8409
99 N-Nitrosodiphenylamine (1)	169	7.401	7.401	(0.920)	174781	4.00000	3.8365
100 1,2-Diphenylhydrazine	77	7.433	7.433	(0.924)	243046	4.00000	3.9628
106 4-Bromophenyl-phenylether	248	7.689	7.689	(0.956)	74660	4.00000	3.9147
107 Hexachlorobenzene	284	7.753	7.753	(0.964)	76948	4.00000	4.0187
210 Atrazine	200	7.801	7.801	(0.970)	35544	4.00000	3.4620
111 Pentachlorophenol	266	7.897	7.897	(0.982)	112288	10.0000	8.0512(M)
115 Phenanthrene	178	8.063	8.063	(1.003)	389883	4.00000	3.8746
116 Anthracene	178	8.101	8.101	(1.007)	395257	4.00000	3.8735
119 Carbazole	167	8.218	8.218	(1.022)	327511	4.00000	3.7263
120 Di-n-Butylphthalate	149	8.469	8.469	(1.053)	409263	4.00000	3.7476
123 Fluoranthene	202	8.982	8.982	(1.117)	394191	4.00000	3.7638
124 Benzidine	184	9.067	9.067	(0.898)	86243	4.00000	3.9608(M)
125 Pyrene	202	9.158	9.158	(0.907)	397794	4.00000	4.4575
131 Butylbenzylphthalate	149	9.618	9.618	(0.953)	170782	4.00000	4.4220
135 3,3'-Dichlorobenzidine	252	10.045	10.045	(0.995)	111094	4.00000	3.9583

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
136 Benzo(a)Anthracene	228	10.082	10.082	(0.999)	325396	4.00000	3.9690
137 Chrysene	228	10.114	10.114	(1.002)	304949	4.00000	3.9970
139 bis(2-ethylhexyl)Phthalate	149	10.050	10.050	(0.996)	238484	4.00000	4.3594
140 Di-n-octylphthalate	149	10.590	10.590	(0.920)	372812	4.00000	4.3331
141 Benzo(b)fluoranthene	252	11.081	11.081	(0.962)	322063	4.00000	3.7712
142 Benzo(k)fluoranthene	252	11.108	11.108	(0.965)	362366	4.00000	4.2553
143 7,12-dimethylbenz[a]anthracen	256	11.065	11.065	(0.961)	146359	4.00000	4.1081
146 Benzo(a)pyrene	252	11.445	11.445	(0.994)	251233	4.00000	3.9238
149 Indeno(1,2,3-cd)pyrene	276	12.946	12.946	(1.124)	281799	4.00000	3.5909
150 Dibenz(a,h)anthracene	278	12.956	12.956	(1.125)	241282	4.00000	3.6039
151 Benzo(g,h,i)perylene	276	13.379	13.379	(1.162)	244471	4.00000	3.7115
$ 154 Nitrobenzene-d5	82	4.997	4.997	(0.900)	102855	4.00000	3.8712
$ 155 2-Fluorobiphenyl	172	6.375	6.375	(0.924)	263825	4.00000	3.9229
$ 156 Terphenyl-d14	244	9.260	9.260	(0.917)	236936	4.00000	4.3872
$ 157 Phenol-d5	99	4.313	4.313	(0.942)	112812	4.00000	3.9301
$ 158 2-Fluorophenol	112	3.565	3.565	(0.778)	90077	4.00000	3.8537
$ 159 2,4,6-Tribromophenol	330	7.508	7.508	(0.934)	30922	4.00000	3.8576
$ 186 2-Chlorophenol-d4	132	4.404	4.404	(0.962)	118615	4.00000	3.9958
$ 187 1,2-Dichlorobenzene-d4	152	4.698	4.698	(1.026)	87368	4.00000	4.1195

QC Flag Legend

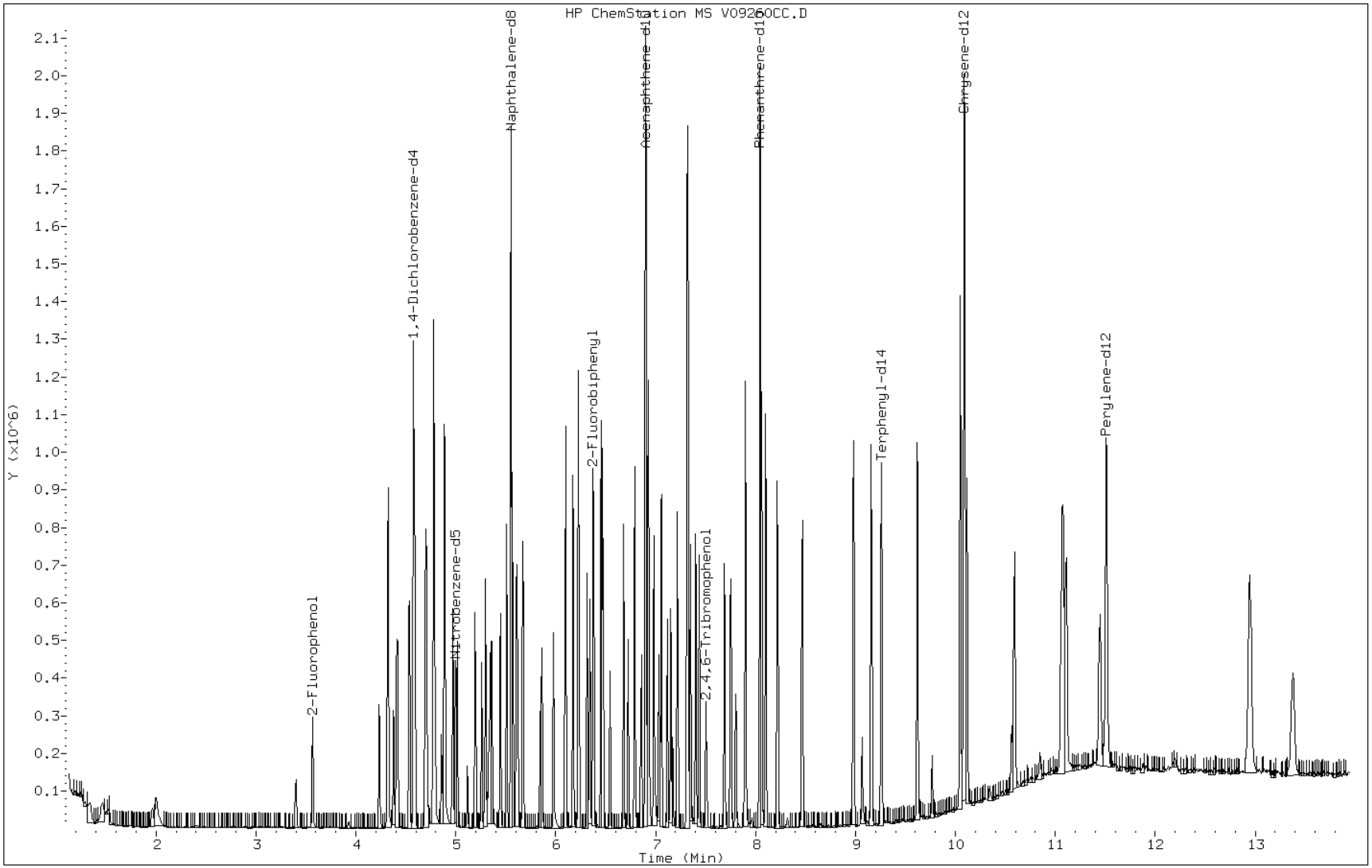
M - Compound response manually integrated.

Data File: V09260CC.D

Date: 26-SEP-2012 13:01

Client ID: Instrument: 731.i

Sample Info: CCVIS 568642 Operator: 003200



Manual Integration Report

Data File: V09260CC.D
Inj. Date and Time: 26-SEP-2012 13:01
Instrument ID: 731.i
Client ID:
Compound: 9 Pyridine
CAS #: 110-86-1
Report Date: 09/27/2012

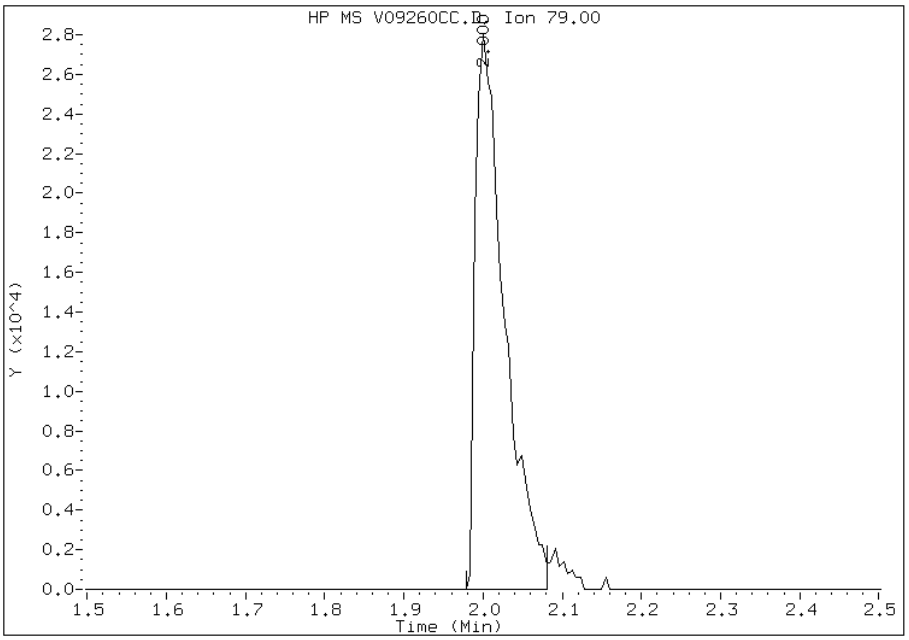
Processing Integration Results

RT: 2.00

Response: 71486

Amount: 4

Conc: 4



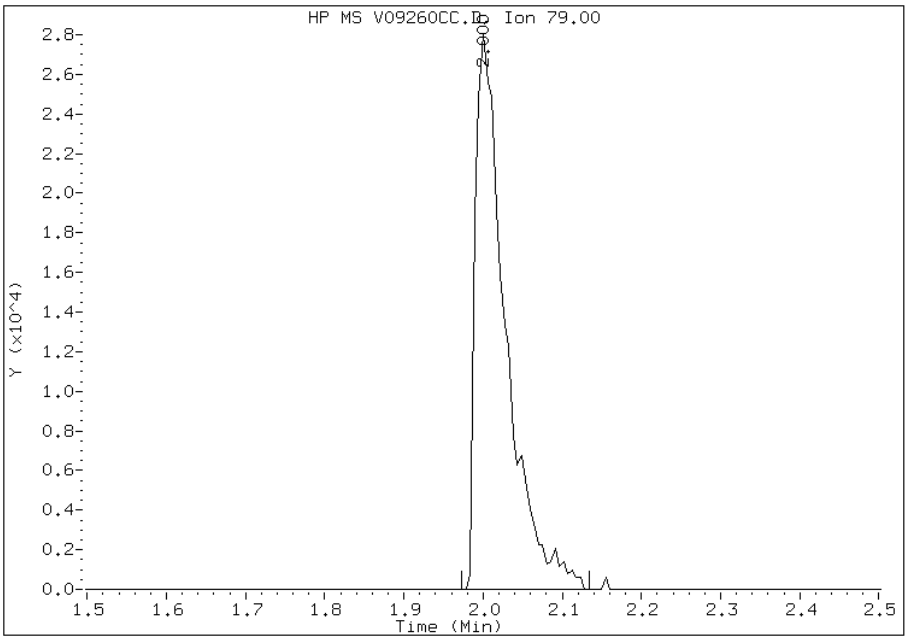
Manual Integration Results

RT: 2.00

Response: 74381

Amount: 4

Conc: 4



Manually Integrated By: piccolinov
Modification Date: 26-Sep-2012 13:26
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V09260CC.D
Inj. Date and Time: 26-SEP-2012 13:01
Instrument ID: 731.i
Client ID:
Compound: 29 Benzyl Alcohol
CAS #: 100-51-6
Report Date: 09/27/2012

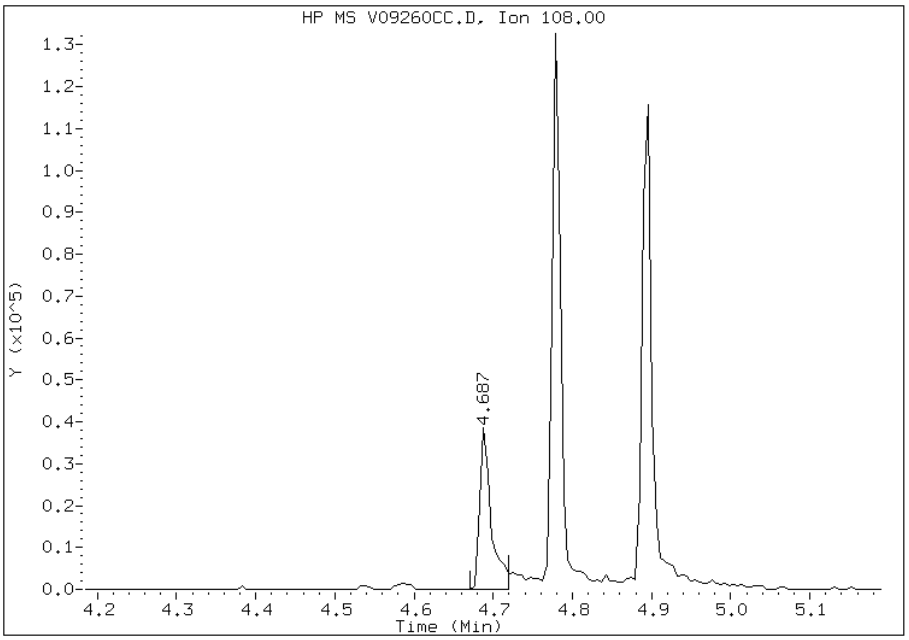
Processing Integration Results

RT: 4.69

Response: 37985

Amount: 2

Conc: 2



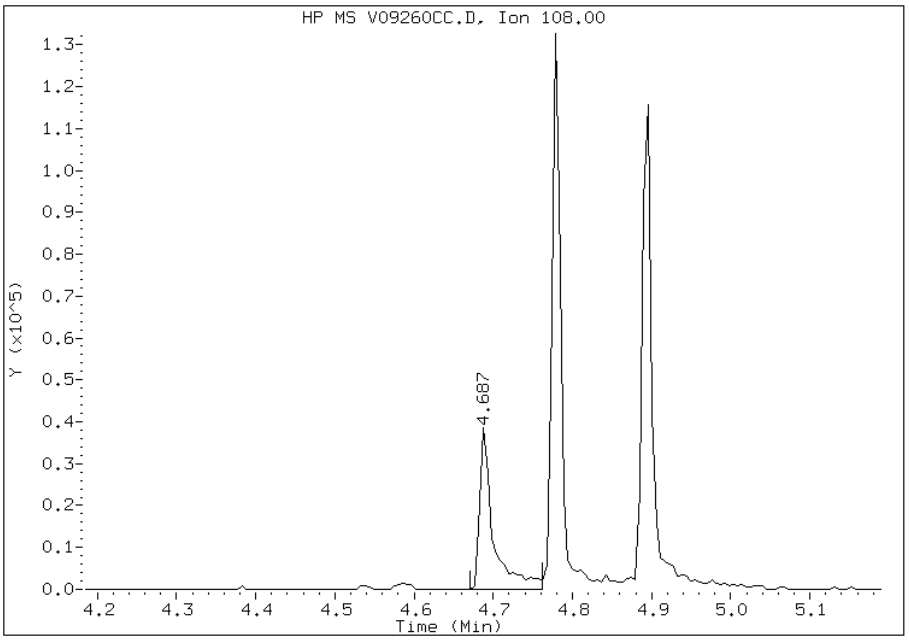
Manual Integration Results

RT: 4.69

Response: 45598

Amount: 3

Conc: 3



Manually Integrated By: piccolinov
Modification Date: 26-Sep-2012 13:26
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V09260CC.D
Inj. Date and Time: 26-SEP-2012 13:01
Instrument ID: 731.i
Client ID:
Compound: 49 Benzoic Acid
CAS #: 65-85-0
Report Date: 09/27/2012

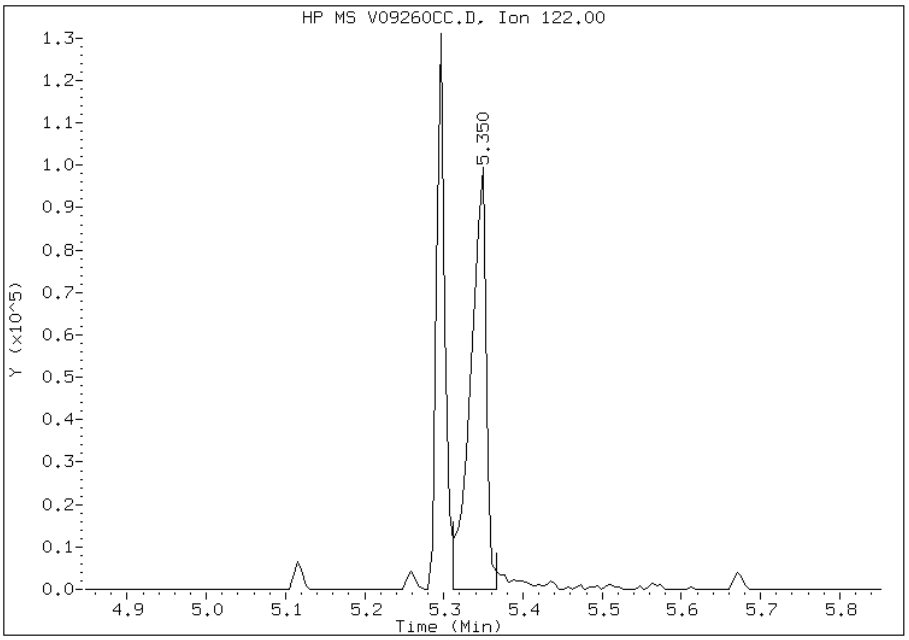
Processing Integration Results

RT: 5.35

Response: 133418

Amount: 8

Conc: 8



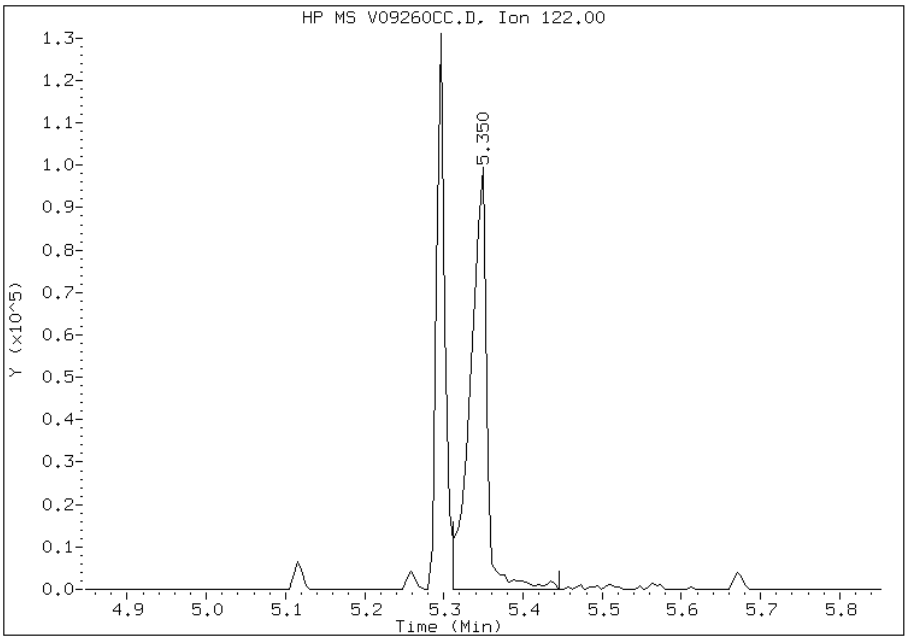
Manual Integration Results

RT: 5.35

Response: 141291

Amount: 8

Conc: 8



Manually Integrated By: piccolinov
Modification Date: 26-Sep-2012 13:26
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V09260CC.D
Inj. Date and Time: 26-SEP-2012 13:01
Instrument ID: 731.i
Client ID:
Compound: 111 Pentachlorophenol
CAS #: 87-86-5
Report Date: 09/27/2012

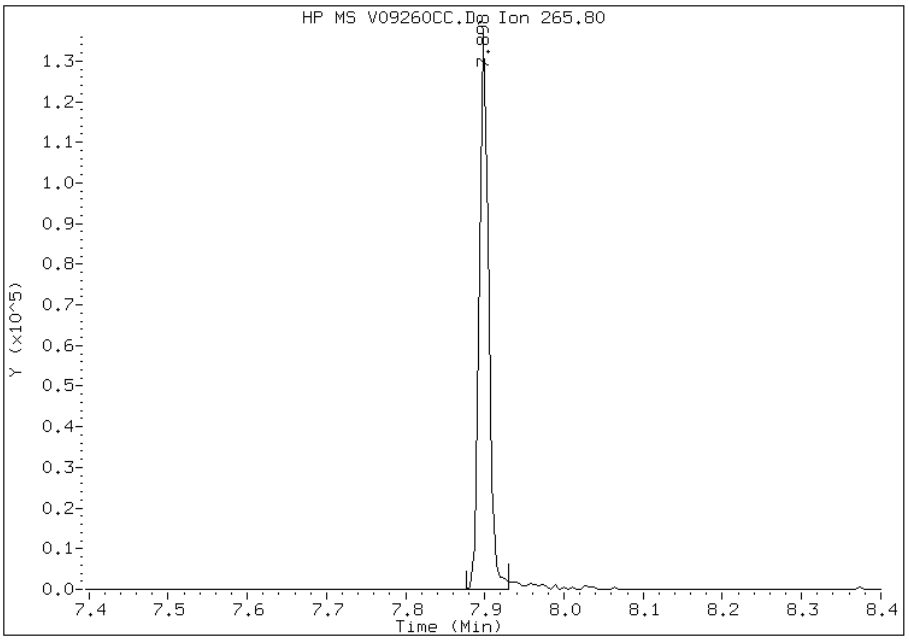
Processing Integration Results

RT: 7.90

Response: 108775

Amount: 8

Conc: 8



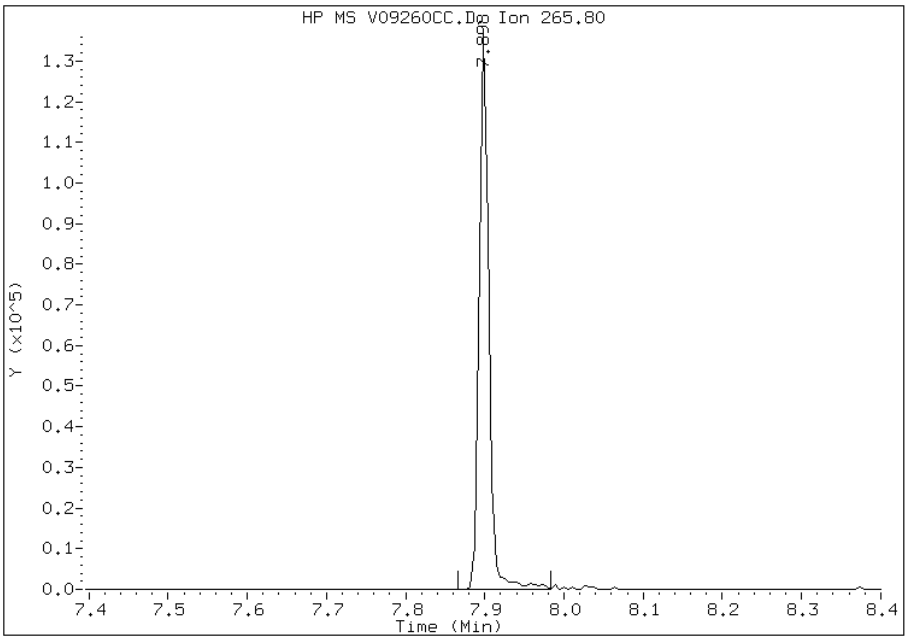
Manual Integration Results

RT: 7.90

Response: 112288

Amount: 8

Conc: 8



Manually Integrated By: piccolinov
Modification Date: 26-Sep-2012 13:27
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V09260CC.D
Inj. Date and Time: 26-SEP-2012 13:01
Instrument ID: 731.i
Client ID:
Compound: 124 Benzidine
CAS #: 92-87-5
Report Date: 09/27/2012

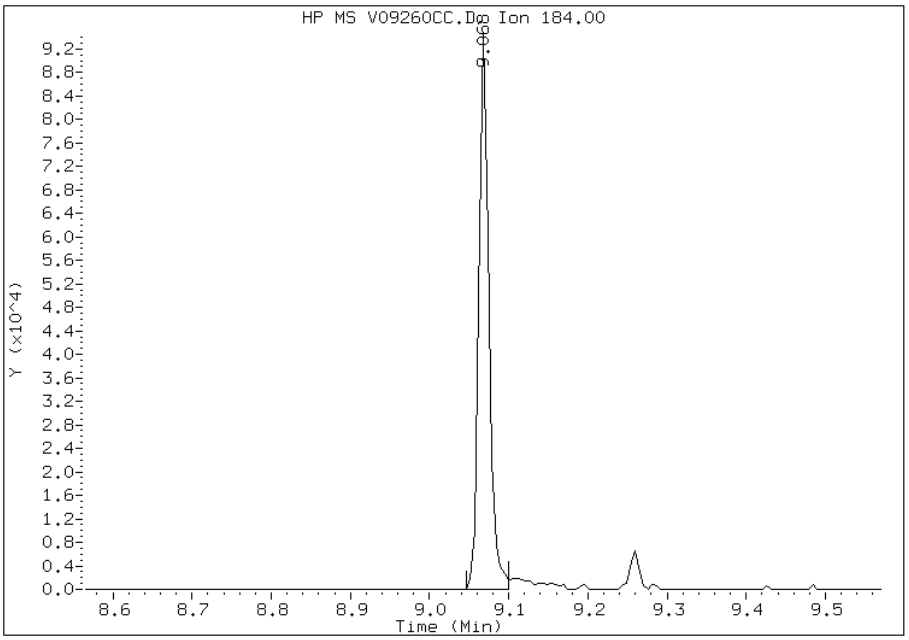
Processing Integration Results

RT: 9.07

Response: 81354

Amount: 4

Conc: 4



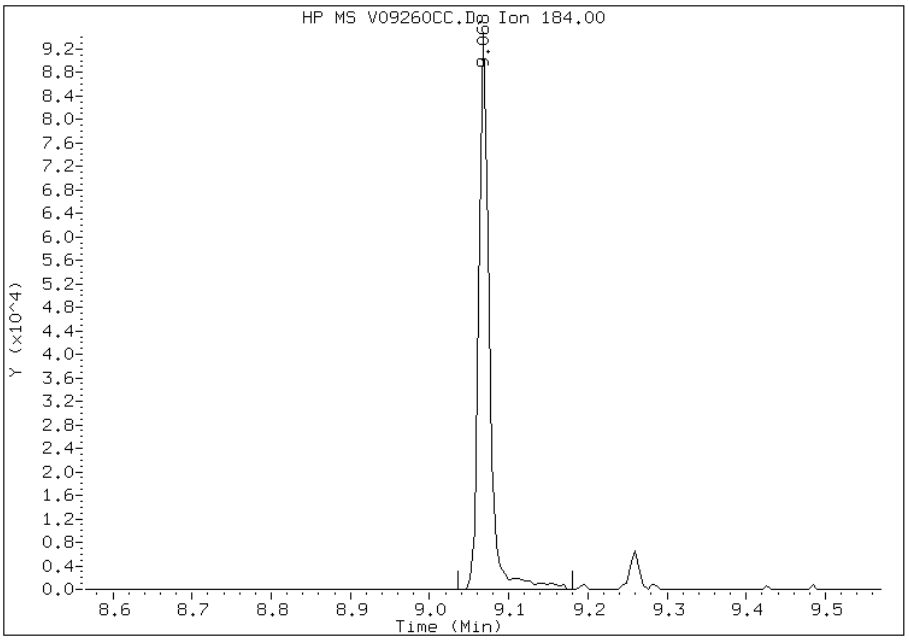
Manual Integration Results

RT: 9.07

Response: 86243

Amount: 4

Conc: 4



Manually Integrated By: piccolinov
Modification Date: 26-Sep-2012 13:27
Manual Integration Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: CCVIS 180-50044/26 Calibration Date: 09/27/2012 11:18

Instrument ID: 731 Calib Start Date: 09/12/2012 11:01

GC Column: Rxi-5SilMS ID: 0.32(mm) Calib End Date: 09/12/2012 13:48

Lab File ID: V09270CC.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.3137	0.3777		2.41	2.00	20.4	50.0
N-Nitrosodimethylamine	Ave	0.4487	0.5239		2.33	2.00	16.7	50.0
Pyridine	Ave	0.8132	0.9343		2.30	2.00	14.9	50.0
Methyl methanesulfonate	Ave	0.4963	0.5204		2.10	2.00	4.9	50.0
Benzaldehyde	Ave	0.6202	0.6694		2.16	2.00	7.9	50.0
Phenol	Ave	1.549	1.644		2.12	2.00	6.1	20.0
Aniline	Ave	1.513	1.489		1.97	2.00	-1.6	50.0
Bis(2-chloroethyl)ether	Ave	1.055	1.130		2.14	2.00	7.1	25.0
2-Chlorophenol	Ave	1.348	1.411		2.09	2.00	4.7	25.0
1,3-Dichlorobenzene	Ave	1.610	1.599		1.99	2.00	-0.7	50.0
1,4-Dichlorobenzene	Ave	1.649	1.640		1.99	2.00	-0.6	20.0
Benzyl alcohol	Ave	0.7999	0.8783		2.20	2.00	9.8	50.0
1,2-Dichlorobenzene	Ave	1.591	1.593		2.00	2.00	0.1	50.0
2-Methylphenol	Ave	1.151	1.219		2.12	2.00	5.9	25.0
Indene	Ave	2.127	2.186		2.06	2.00	2.8	50.0
2,2'-oxybis[1-chloropropane]	Ave	1.517	1.601		2.11	2.00	5.5	50.0
N-Nitrosopyrrolidine	Ave	0.4657	0.5218		2.24	2.00	12.0	50.0
Acetophenone	Ave	1.588	1.660		2.09	2.00	4.5	50.0
Methylphenol, 3 & 4	Ave	1.114	1.189		2.13	2.00	6.7	25.0
N-Nitrosodi-n-propylamine	Ave	0.7471	0.8250	0.0500	2.21	2.00	10.4	25.0
Hexachloroethane	Ave	0.6548	0.6670		2.04	2.00	1.9	25.0
Nitrobenzene	Ave	0.3107	0.3255		2.10	2.00	4.8	25.0
Isophorone	Ave	0.5097	0.5239		2.06	2.00	2.8	25.0
2-Nitrophenol	Ave	0.1913	0.1971		2.06	2.00	3.0	20.0
2,4-Dimethylphenol	Ave	0.3088	0.3384		2.19	2.00	9.6	25.0
Benzoic acid	Ave	0.1999	0.2052		5.13	5.00	2.7	50.0
Bis(2-chloroethoxy)methane	Ave	0.3302	0.3457		2.09	2.00	4.7	25.0
2,4-Dichlorophenol	Ave	0.2933	0.3048		2.08	2.00	3.9	20.0
1,2,4-Trichlorobenzene	Ave	0.3601	0.3611		2.01	2.00	0.3	25.0
Naphthalene	Ave	1.028	1.003		1.95	2.00	-2.5	25.0
4-Chloroaniline	Ave	0.3949	0.3975		2.01	2.00	0.6	50.0
2,6-Dichlorophenol	Ave	0.2774	0.2837		2.05	2.00	2.3	50.0
Hexachlorobutadiene	Ave	0.2051	0.1984		1.93	2.00	-3.3	20.0
Caprolactam	Ave	0.0754	0.0765		2.03	2.00	1.4	50.0
4-Chloro-3-methylphenol	Ave	0.2611	0.2741		2.10	2.00	5.0	20.0
2-Methylnaphthalene	Ave	0.6976	0.6931		1.99	2.00	-0.6	25.0
1-Methylnaphthalene	Ave	0.6546	0.6519		1.99	2.00	-0.4	50.0
Hexachlorocyclopentadiene	Ave	0.3959	0.4184	0.0500	2.11	2.00	5.7	50.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5992	0.6232		2.08	2.00	4.0	50.0
2,4,6-Trichlorophenol	Ave	0.4067	0.4142		2.04	2.00	1.8	20.0
2,4,5-Trichlorophenol	Ave	0.4354	0.4513		2.07	2.00	3.6	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: CCVIS 180-50044/26 Calibration Date: 09/27/2012 11:18

Instrument ID: 731 Calib Start Date: 09/12/2012 11:01

GC Column: Rxi-5SilMS ID: 0.32(mm) Calib End Date: 09/12/2012 13:48

Lab File ID: V09270CC.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1'-Biphenyl	Ave	1.491	1.503		2.02	2.00	0.8	50.0
2-Chloronaphthalene	Ave	1.224	1.258		2.06	2.00	2.8	25.0
2-Nitroaniline	Ave	0.2854	0.3096		2.17	2.00	8.5	50.0
Dimethyl phthalate	Ave	1.257	1.283		2.04	2.00	2.1	50.0
2,6-Dinitrotoluene	Ave	0.2767	0.2796		2.02	2.00	1.1	25.0
Acenaphthylene	Ave	1.800	1.802		2.00	2.00	0.1	25.0
3-Nitroaniline	Ave	0.3140	0.3189		2.03	2.00	1.6	50.0
Acenaphthene	Ave	1.169	1.162		1.99	2.00	-0.6	20.0
2,4-Dinitrophenol	Ave	0.1782	0.1730	0.0500	4.86	5.00	-2.9	50.0
4-Nitrophenol	Ave	0.1605	0.1774	0.0500	5.52	5.00	10.5	50.0
2,4-Dinitrotoluene	Ave	0.3743	0.3911		2.09	2.00	4.5	25.0
Dibenzofuran	Ave	1.699	1.711		2.01	2.00	0.7	25.0
2,3,5,6-Tetrachlorophenol	Ave	0.3304	0.3343		2.02	2.00	1.2	50.0
2,3,4,6-Tetrachlorophenol	Ave	0.3287	0.3345		2.04	2.00	1.8	50.0
2-Naphthylamine	Qua	0.4831	0.3585		1.44	2.00	-27.9	50.0
Diethyl phthalate	Ave	1.250	1.323		2.12	2.00	5.9	50.0
4-Chlorophenyl phenyl ether	Ave	0.6616	0.6852		2.07	2.00	3.6	25.0
4-Nitroaniline	Ave	0.3290	0.3136		1.91	2.00	-4.7	50.0
Fluorene	Ave	1.360	1.375		2.02	2.00	1.1	25.0
4,6-Dinitro-2-methylphenol	Ave	0.1413	0.1401		4.96	5.00	-0.8	50.0
N-Nitrosodiphenylamine	Ave	0.5280	0.5314		2.01	2.00	0.6	20.0
1,2-Diphenylhydrazine(as Azobenzene)	Ave	0.7109	0.7408		2.08	2.00	4.2	50.0
4-Bromophenyl phenyl ether	Ave	0.2211	0.2243		2.03	2.00	1.5	25.0
Hexachlorobenzene	Ave	0.2219	0.2278		2.05	2.00	2.6	25.0
Atrazine	Qua	0.1180	0.1134		1.87	2.00	-6.4	50.0
Pentachlorophenol	Ave	0.1617	0.1502		4.64	5.00	-7.1	20.0
Phenanthrene	Ave	1.166	1.167		2.00	2.00	0.0	25.0
Anthracene	Ave	1.183	1.164		1.97	2.00	-1.6	25.0
Carbazole	Ave	1.019	0.9825		1.93	2.00	-3.6	50.0
Di-n-butyl phthalate	Ave	1.266	1.239		1.96	2.00	-2.1	50.0
Fluoranthene	Ave	1.214	1.138		1.87	2.00	-6.3	20.0
Benzidine	Ave	0.3092	0.3260			2.00	5.4	50.0
Pyrene	Ave	1.267	1.434		2.26	2.00	13.1	25.0
Butyl benzyl phthalate	Ave	0.5485	0.6200		2.26	2.00	13.0	50.0
3,3'-Dichlorobenzidine	Ave	0.3986	0.3854		1.93	2.00	-3.3	50.0
Bis(2-ethylhexyl) phthalate	Ave	0.7770	0.8255		2.12	2.00	6.2	50.0
Benzo[a]anthracene	Ave	1.164	1.183		2.03	2.00	1.6	25.0
Chrysene	Ave	1.084	1.099		2.03	2.00	1.4	25.0
Di-n-octyl phthalate	Ave	1.315	1.433		2.18	2.00	9.0	20.0
7,12-Dimethylbenz(a)anthracene	Ave	0.5444	0.5775		2.12	2.00	6.1	50.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: CCVIS 180-50044/26 Calibration Date: 09/27/2012 11:18

Instrument ID: 731 Calib Start Date: 09/12/2012 11:01

GC Column: Rxi-5SilMS ID: 0.32(mm) Calib End Date: 09/12/2012 13:48

Lab File ID: V09270CC.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[b]fluoranthene	Ave	1.305	1.333		2.04	2.00	2.2	25.0
Benzo[k]fluoranthene	Ave	1.301	1.236		1.90	2.00	-5.0	25.0
Benzo[a]pyrene	Ave	0.9783	0.9856		2.01	2.00	0.7	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.199	1.120		1.87	2.00	-6.6	50.0
Dibenz(a,h)anthracene	Ave	1.023	0.9232		1.80	2.00	-9.8	50.0
Benzo[g,h,i]perylene	Ave	1.006	0.9190		1.83	2.00	-8.7	25.0
2-Fluorophenol	Ave	1.068	1.140		2.14	2.00	6.8	
Phenol-d5	Ave	1.312	1.415		2.16	2.00	7.9	
2-Chlorophenol-d4	Ave	1.356	1.387		2.05	2.00	2.3	
1,2-Dichlorobenzene-d4	Ave	0.9691	1.018		2.10	2.00	5.0	
Nitrobenzene-d5	Ave	0.3062	0.3198		2.09	2.00	4.4	
2-Fluorobiphenyl	Ave	1.323	1.354		2.05	2.00	2.4	
2,4,6-Tribromophenol	Ave	0.0929	0.0915		1.97	2.00	-1.5	
Terphenyl-d14	Ave	0.7670	0.8593		2.24	2.00	12.0	

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV092712.b\V09270CC.D
Lab Smp Id: CCVIS 568642
Inj Date : 27-SEP-2012 11:18
Operator : 003200 Inst ID: 731.i
Smp Info : CCVIS 568642
Misc Info : TV092712.b,T8270ll.m,padepi.sub
Comment :
Method : \\PITSVR06\D\chem\731.i\TV092712.b\T8270ll.m
Meth Date : 27-Sep-2012 11:39 piccolinov Quant Type: ISTD
Cal Date : 12-SEP-2012 13:48 Cal File: V0912IC8.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: padepi.sub
Target Version: 4.14
Processing Host: PITPC-502

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 1,4-Dichlorobenzene-d4	152	4.627	4.627	(1.000)	173045	8.00000	
* 2 Naphthalene-d8	136	5.599	5.599	(1.000)	692359	8.00000	
* 3 Acenaphthene-d10	164	6.956	6.956	(1.000)	375674	8.00000	
* 4 Phenanthrene-d10	188	8.099	8.099	(1.000)	628924	8.00000	
* 5 Chrysene-d12	240	10.156	10.156	(1.000)	502107	8.00000	
* 6 Perylene-d12	264	11.603	11.603	(1.000)	454783	8.00000	
198 1,4-Dioxane	88	1.491	1.491	(0.322)	32677	4.00000	4.8159
10 N-Nitrosodimethylamine	74	1.993	1.993	(0.431)	45325	4.00000	4.6698
9 Pyridine	79	2.052	2.052	(0.444)	80835	4.00000	4.5953(M)
16 Methyl methanesulfonate	80	3.435	3.435	(0.743)	45024	4.00000	4.1943
206 Benzaldehyde	77	4.279	4.279	(0.925)	57914	4.00000	4.3171
21 Aniline	93	4.365	4.365	(0.943)	128848	4.00000	3.9377
22 Phenol	94	4.359	4.359	(0.942)	142206	4.00000	4.2455
23 bis(2-Chloroethyl)ether	93	4.424	4.424	(0.956)	97799	4.00000	4.2843
24 2-Chlorophenol	128	4.461	4.461	(0.964)	122112	4.00000	4.1886
26 1,3-Dichlorobenzene	146	4.578	4.578	(0.990)	138379	4.00000	3.9727
27 1,4-Dichlorobenzene	146	4.637	4.637	(1.002)	141867	4.00000	3.9765
28 1,2-Dichlorobenzene	146	4.755	4.755	(1.028)	137820	4.00000	4.0039
217 Indene	116	4.824	4.824	(1.043)	189153	4.00000	4.1112
29 Benzyl Alcohol	108	4.728	4.728	(1.022)	75996	4.00000	4.3924
30 2-Methylphenol	108	4.819	4.819	(1.042)	105444	4.00000	4.2345
31 2,2'-oxybis(1-Chloropropane)	45	4.840	4.840	(1.046)	138499	4.00000	4.2212
37 Acetophenone	105	4.931	4.931	(1.066)	143587	4.00000	4.1789
32 N-Nitroso-di-n-propylamine	70	4.931	4.931	(1.066)	71382	4.00000	4.4170
192 4-Methylphenol	108	4.931	4.931	(1.066)	102867	4.00000	4.2681
34 Hexachloroethane	117	5.017	5.017	(1.084)	57707	4.00000	4.0741
35 Nitrobenzene	77	5.059	5.059	(0.904)	112693	4.00000	4.1913
36 N-Nitrosopyrrolidine	100	4.904	4.904	(1.060)	45143	4.00000	4.4814

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
41 Isophorone	82	5.241	5.241	(0.936)	181352	4.00000	4.1110
42 2-Nitrophenol	139	5.305	5.305	(0.948)	68226	4.00000	4.1211
43 2,4-Dimethylphenol	107	5.337	5.337	(0.953)	117156	4.00000	4.3831
44 bis(2-Chloroethoxy)methane	93	5.407	5.407	(0.966)	119661	4.00000	4.1876
48 2,4-Dichlorophenol	162	5.487	5.487	(0.980)	105504	4.00000	4.1559
49 Benzoic Acid	122	5.385	5.385	(0.962)	177585	10.0000	10.266(M)
50 1,2,4-Trichlorobenzene	180	5.556	5.556	(0.992)	125009	4.00000	4.0109
51 Naphthalene	128	5.615	5.615	(1.003)	347175	4.00000	3.9014
52 4-Chloroaniline	127	5.652	5.652	(1.010)	137596	4.00000	4.0258
54 2,6-Dichlorophenol	162	5.663	5.663	(1.011)	98198	4.00000	4.0908
56 Hexachlorobutadiene	225	5.722	5.722	(1.022)	68679	4.00000	3.8688
208 Caprolactam	113	5.893	5.893	(1.052)	26484	4.00000	4.0570
59 4-Chloro-3-Methylphenol	107	6.021	6.021	(1.075)	94900	4.00000	4.1994
62 2-Methylnaphthalene	142	6.149	6.149	(1.098)	239921	4.00000	3.9742
63 1-Methylnaphthalene	142	6.224	6.224	(1.112)	225684	4.00000	3.9835
64 Hexachlorocyclopentadiene	237	6.277	6.277	(0.902)	78588	4.00000	4.2276
65 1,2,4,5-Tetrachlorobenzene	216	6.283	6.283	(0.903)	117068	4.00000	4.1608
66 2,4,6-Trichlorophenol	196	6.363	6.363	(0.915)	77794	4.00000	4.0738
67 2,4,5-Trichlorophenol	196	6.389	6.389	(0.919)	84774	4.00000	4.1459
209 1,1'-Biphenyl	154	6.507	6.507	(0.935)	282397	4.00000	4.0336
70 2-Chloronaphthalene	162	6.523	6.523	(0.938)	236248	4.00000	4.1106
73 2-Nitroaniline	65	6.592	6.592	(0.948)	58153	4.00000	4.3397
76 Dimethylphthalate	163	6.731	6.731	(0.968)	241050	4.00000	4.0846
78 2,6-Dinitrotoluene	165	6.774	6.774	(0.974)	52524	4.00000	4.0426
79 Acenaphthylene	152	6.844	6.844	(0.984)	338437	4.00000	4.0043
81 3-Nitroaniline	138	6.902	6.902	(0.992)	59908	4.00000	4.0628
82 Acenaphthene	153	6.977	6.977	(1.003)	218337	4.00000	3.9758
83 2,4-Dinitrophenol	184	6.982	6.982	(1.004)	81254	10.0000	9.7107
85 4-Nitrophenol	109	7.025	7.025	(1.010)	83305	10.0000	11.050
86 Dibenzofuran	168	7.111	7.111	(1.022)	321303	4.00000	4.0260
87 2,4-Dinitrotoluene	165	7.084	7.084	(1.018)	73466	4.00000	4.1798
91 2,3,5,6-Tetrachlorophenol	232	7.169	7.169	(1.031)	62788	4.00000	4.0471
88 2,3,4,6-Tetrachlorophenol	232	7.201	7.201	(1.035)	62829	4.00000	4.0703
92 2-Naphthylamine	143	7.223	7.223	(1.038)	67347	4.00000	2.8834
93 Diethylphthalate	149	7.271	7.271	(1.045)	248589	4.00000	4.2358
94 Fluorene	166	7.372	7.372	(1.060)	258329	4.00000	4.0441
95 4-Chlorophenyl-phenylether	204	7.367	7.367	(1.059)	128705	4.00000	4.1428
96 4-Nitroaniline	138	7.372	7.372	(1.060)	58898	4.00000	3.8118
98 4,6-Dinitro-2-methylphenol	198	7.399	7.399	(0.914)	110147	10.0000	9.9165
99 N-Nitrosodiphenylamine (1)	169	7.458	7.458	(0.921)	167104	4.00000	4.0254
100 1,2-Diphenylhydrazine	77	7.490	7.490	(0.925)	232964	4.00000	4.1685
106 4-Bromophenyl-phenylether	248	7.746	7.746	(0.956)	70544	4.00000	4.0592
107 Hexachlorobenzene	284	7.810	7.810	(0.964)	71618	4.00000	4.1048
210 Atrazine	200	7.859	7.859	(0.970)	35663	4.00000	3.7459
111 Pentachlorophenol	266	7.955	7.955	(0.982)	118053	10.0000	9.2893
115 Phenanthrene	178	8.120	8.120	(1.003)	366856	4.00000	4.0009
116 Anthracene	178	8.158	8.158	(1.007)	365982	4.00000	3.9361
119 Carbazole	167	8.275	8.275	(1.022)	308957	4.00000	3.8577
120 Di-n-Butylphthalate	149	8.526	8.526	(1.053)	389709	4.00000	3.9162
123 Fluoranthene	202	9.039	9.039	(1.116)	357748	4.00000	3.7487
124 Benzidine	184	9.125	9.125	(0.898)	81834	4.00000	4.2162
125 Pyrene	202	9.215	9.215	(0.907)	359941	4.00000	4.5248
131 Butylbenzylphthalate	149	9.675	9.675	(0.953)	155641	4.00000	4.5209
135 3,3'-Dichlorobenzidine	252	10.108	10.108	(0.995)	96764	4.00000	3.8678

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
136 Benzo(a)Anthracene	228	10.145	10.145	(0.999)	297014	4.00000	4.0642
137 Chrysene	228	10.177	10.177	(1.002)	275961	4.00000	4.0577
139 bis(2-ethylhexyl)Phthalate	149	10.108	10.108	(0.995)	207248	4.00000	4.2499
140 Di-n-octylphthalate	149	10.663	10.663	(0.919)	325871	4.00000	4.3605
141 Benzo(b)fluoranthene	252	11.171	11.171	(0.963)	303143	4.00000	4.0866
142 Benzo(k)fluoranthene	252	11.192	11.192	(0.965)	281092	4.00000	3.8003
143 7,12-dimethylbenz[a]anthracen	256	11.149	11.149	(0.961)	131314	4.00000	4.2434
146 Benzo(a)pyrene	252	11.545	11.545	(0.995)	224115	4.00000	4.0298
149 Indeno(1,2,3-cd)pyrene	276	13.078	13.078	(1.127)	254703	4.00000	3.7366
150 Dibenz(a,h)anthracene	278	13.083	13.083	(1.128)	209917	4.00000	3.6098
151 Benzo(g,h,i)perylene	276	13.521	13.521	(1.165)	208973	4.00000	3.6525
$ 154 Nitrobenzene-d5	82	5.043	5.043	(0.901)	110717	4.00000	4.1775
$ 155 2-Fluorobiphenyl	172	6.427	6.427	(0.924)	254386	4.00000	4.0949
$ 156 Terphenyl-d14	244	9.317	9.317	(0.917)	215733	4.00000	4.4813
$ 157 Phenol-d5	99	4.349	4.349	(0.940)	122398	4.00000	4.3140
$ 158 2-Fluorophenol	112	3.601	3.601	(0.778)	98667	4.00000	4.2707
$ 159 2,4,6-Tribromophenol	330	7.559	7.559	(0.933)	28780	4.00000	3.9403
$ 186 2-Chlorophenol-d4	132	4.450	4.450	(0.962)	120037	4.00000	4.0910
$ 187 1,2-Dichlorobenzene-d4	152	4.744	4.744	(1.025)	88047	4.00000	4.2002

QC Flag Legend

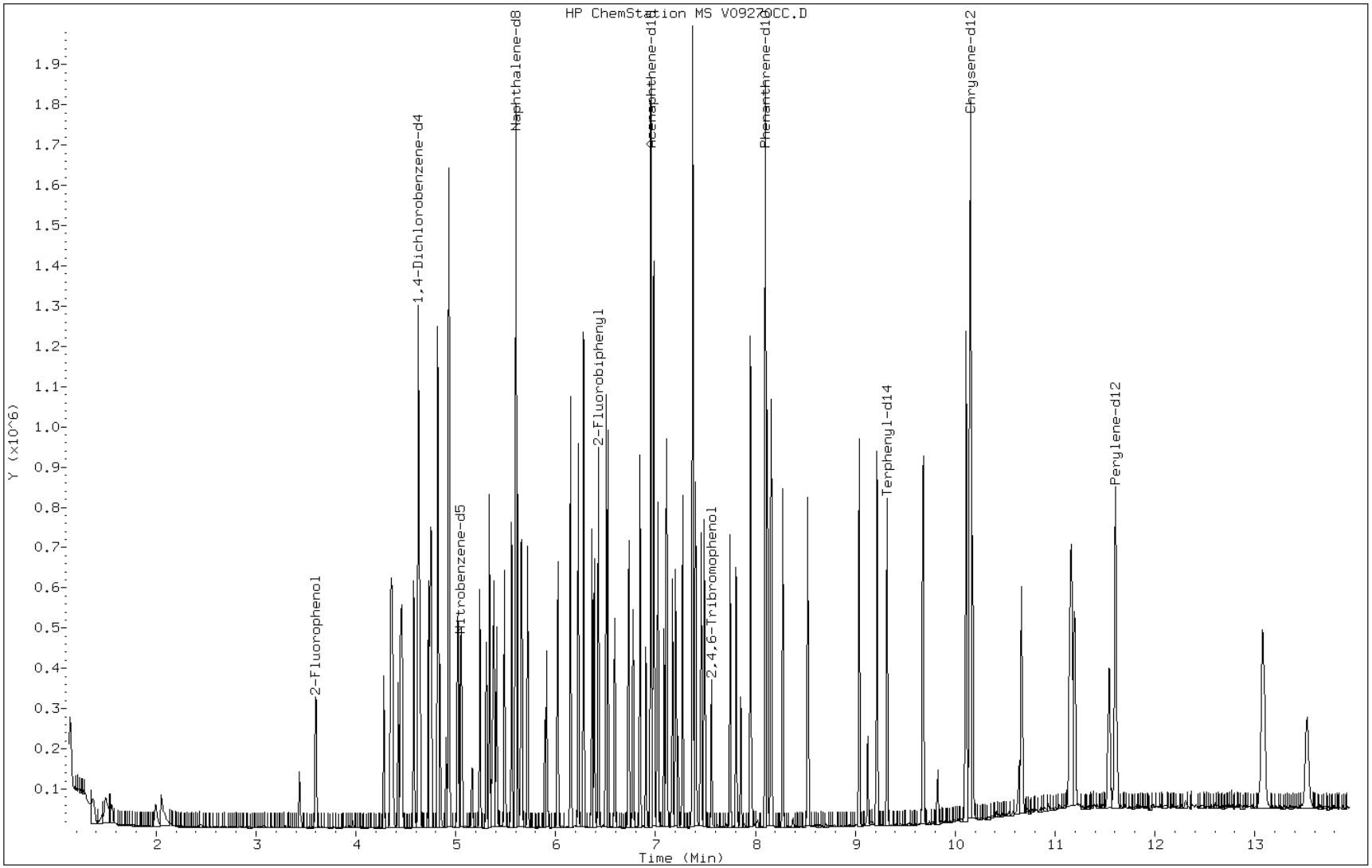
M - Compound response manually integrated.

Data File: V09270CC.D

Date: 27-SEP-2012 11:18

Client ID: Instrument: 731.i

Sample Info: CCVIS 568642 Operator: 003200



Manual Integration Report

Data File: V09270CC.D
Inj. Date and Time: 27-SEP-2012 11:18
Instrument ID: 731.i
Client ID:
Compound: 9 Pyridine
CAS #: 110-86-1
Report Date: 09/28/2012

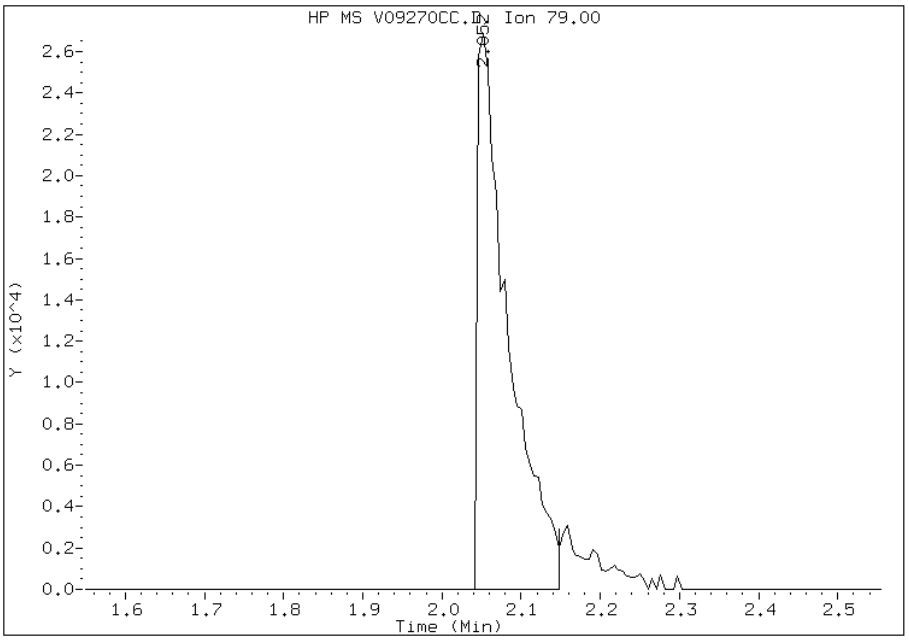
Processing Integration Results

RT: 2.05

Response: 72349

Amount: 4

Conc: 4



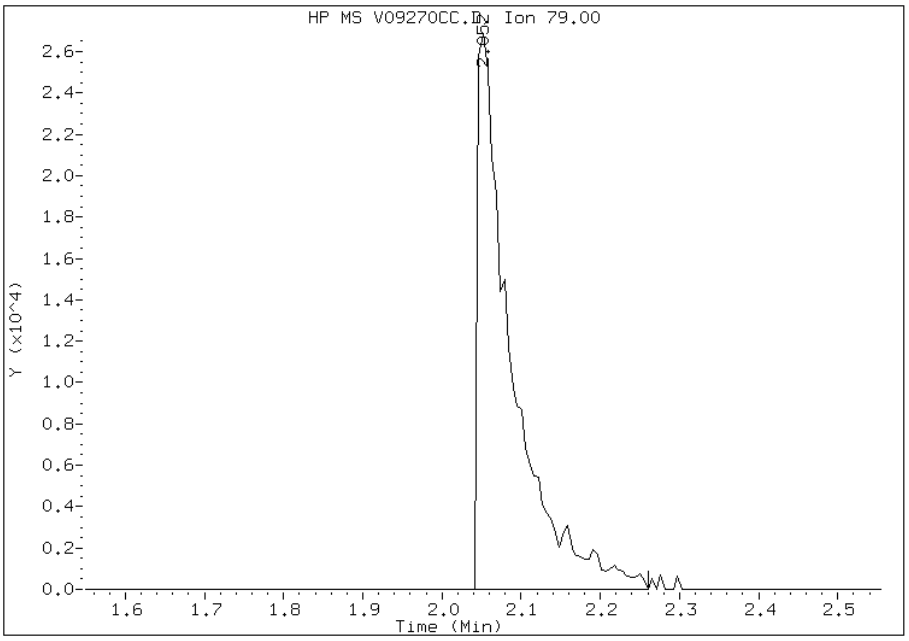
Manual Integration Results

RT: 2.05

Response: 80835

Amount: 5

Conc: 5



Manually Integrated By: piccolinov
Modification Date: 27-Sep-2012 11:40
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V09270CC.D
Inj. Date and Time: 27-SEP-2012 11:18
Instrument ID: 731.i
Client ID:
Compound: 49 Benzoic Acid
CAS #: 65-85-0
Report Date: 09/28/2012

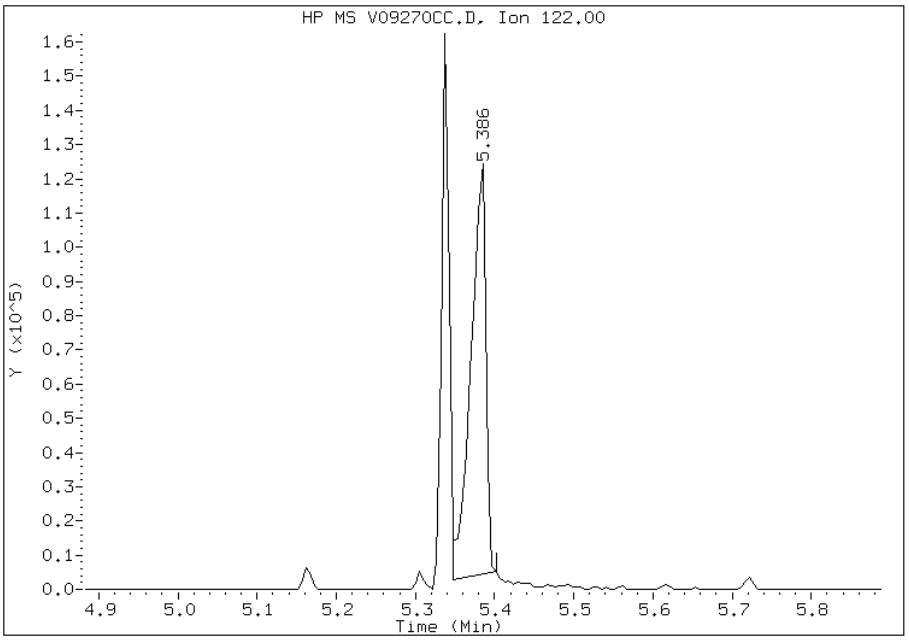
Processing Integration Results

RT: 5.39

Response: 154880

Amount: 9

Conc: 9



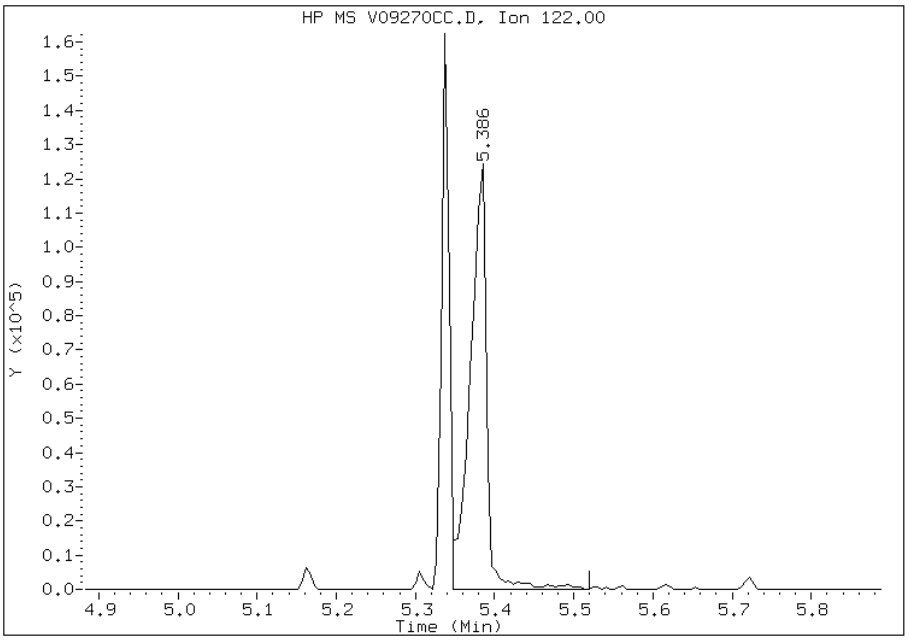
Manual Integration Results

RT: 5.39

Response: 177585

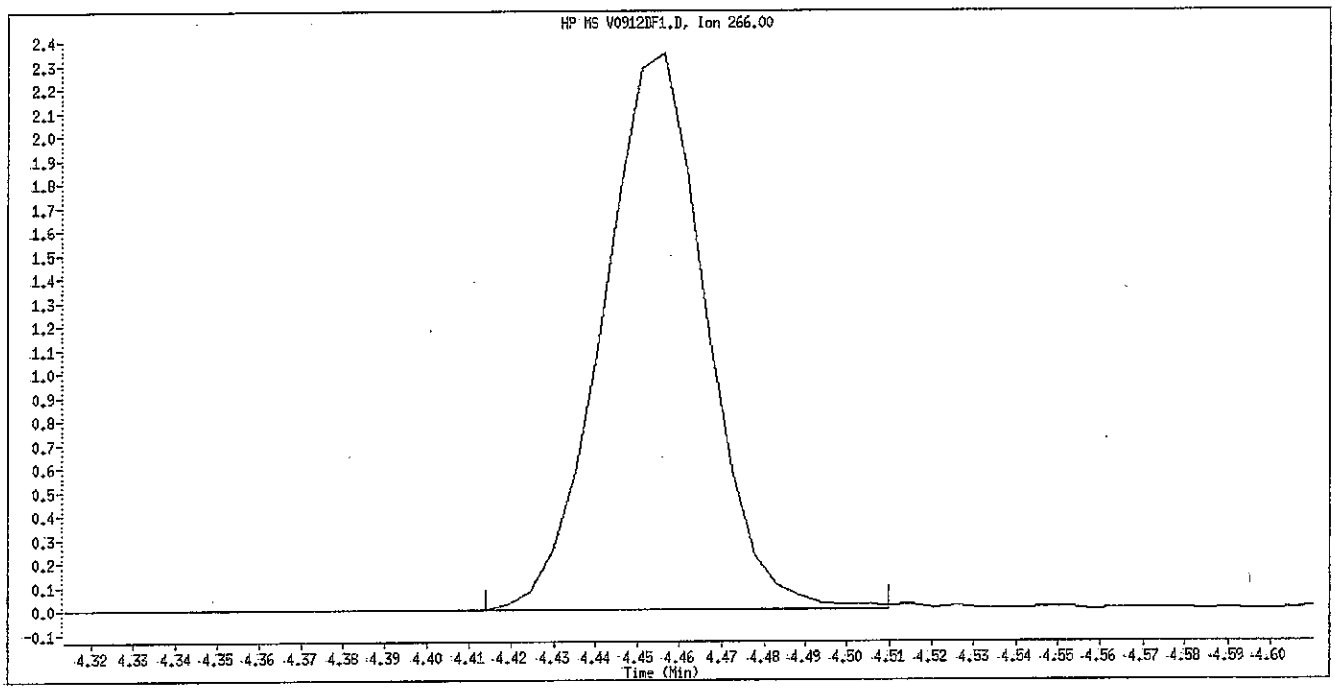
Amount: 10

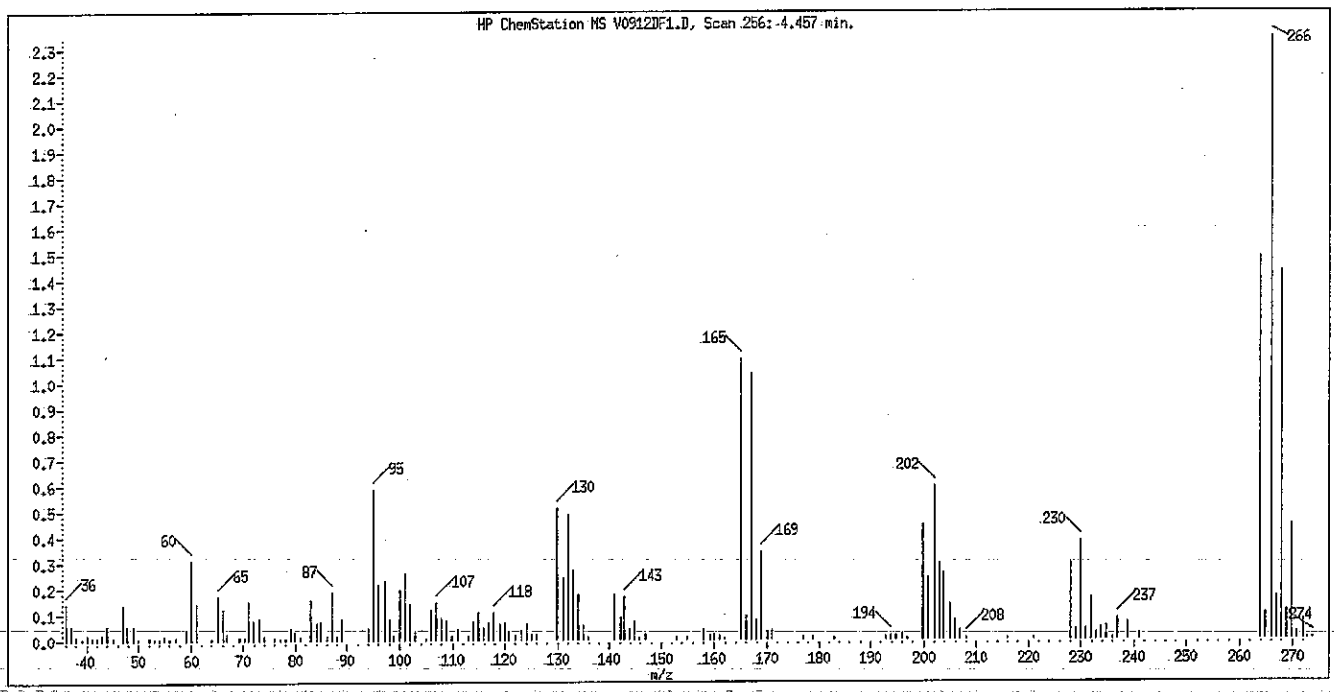
Conc: 10



Manually Integrated By: piccolinov
Modification Date: 27-Sep-2012 11:39
Manual Integration Reason:

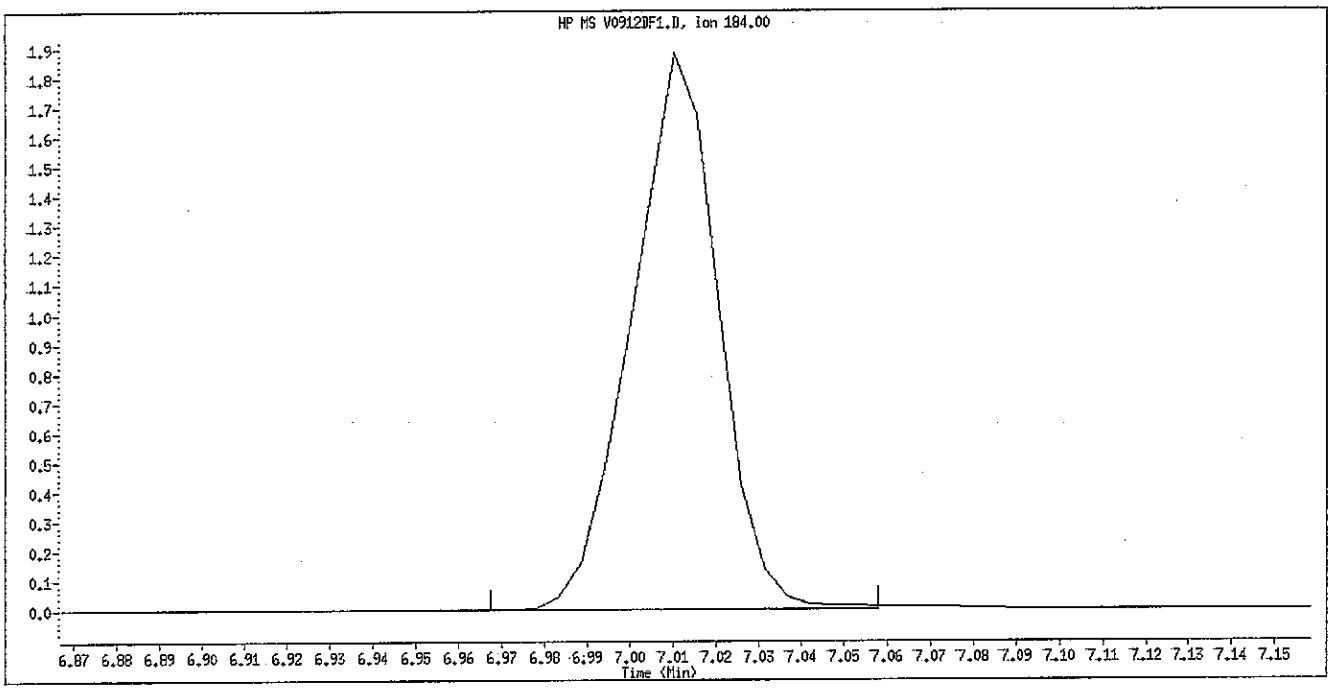
Data File: V0912DF1.D
Inj Date: 12-SEP-2012 10:22
Instrument ID: 731.i
Compound Name: Pentachlorophenol
Operator Name: 003200
Report Date: 09/12/2012 TAILING FACTOR

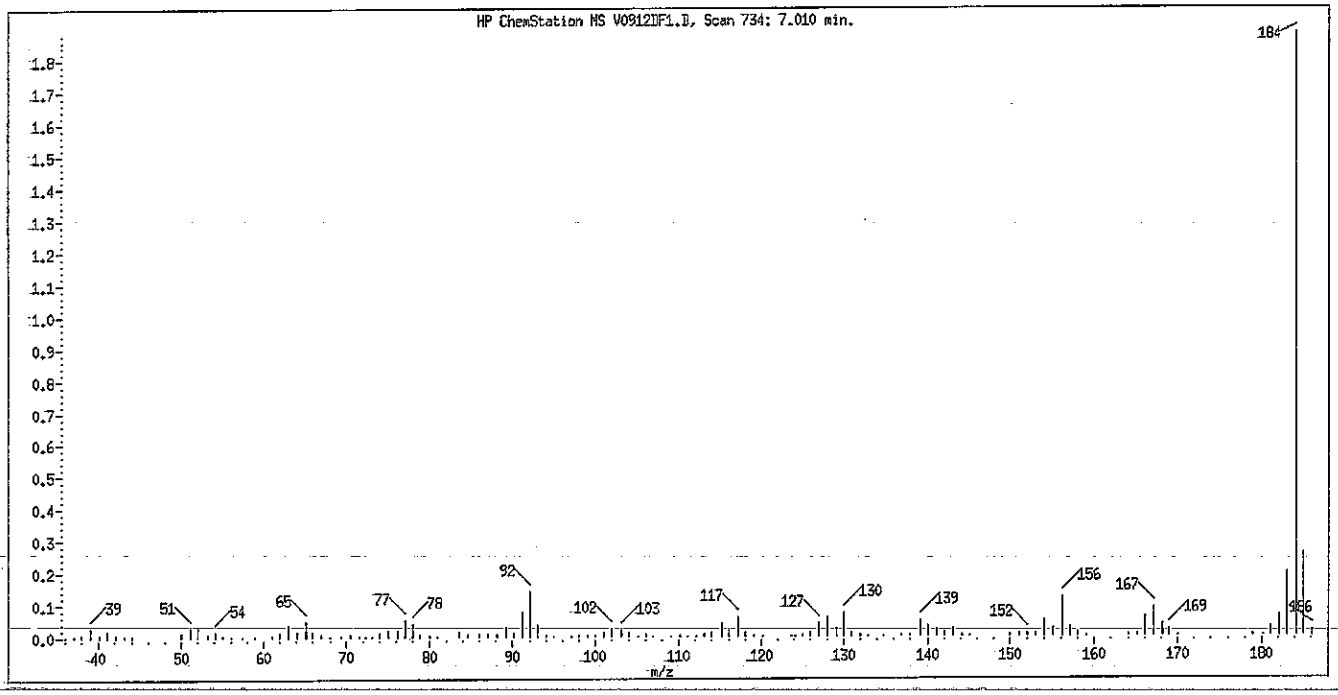




Tailing Factor = 0.783 Good
Acceptance Criteria 0 - 5
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 4.429345 T2 = 4.4565 T3 = 4.477753

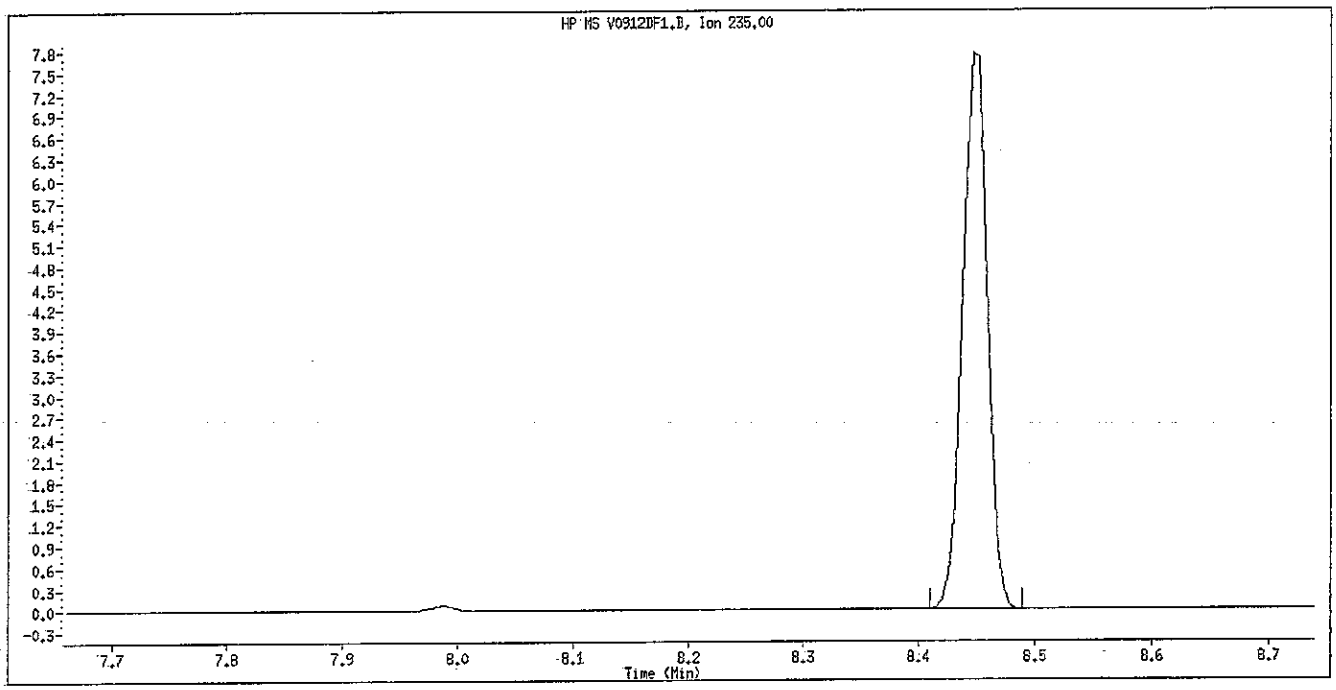
Data File: V0912DF1.D
Inj Date: 12-SEP-2012 10:22
Instrument ID: 731.i
Compound Name: Benzidine
Operator Name: 003200
Report Date: 09/12/2012 TAILING FACTOR





Tailing Factor = 0.979 Good
Acceptance Criteria 0 - 3
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 6.9892 T2 = 7.010033 T3 = 7.030426

Data File: V0912DF1.D
Inj Date: 12-SEP-2012 10:22
Instrument ID: 731.i
Compound Name: 4,4'-DDT
Operator Name: 003200
Report Date: 09/12/2012 DEGRADATION REPORT



Degradation = 0.0388% Good
Acceptance Criteria 0 - 20 %
DDT Area = 1148731
DDE Area = 446
DDD Area = 0

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\731.i\TV091212.b\V0912DF1.D
Lab Smp Id: DFTPP 514390 Client Smp ID: DFTPP050
Inj Date : 12-SEP-2012 10:22
Operator : 003200 Inst ID: 731.i
Smp Info : DFTPP 514390
Misc Info : TV091212.b,Tsw846tun.m
Comment :
Method : \\PITSVR06\D\chem\731.i\TV091212.b\Tsw846tun.m
Meth Date : 15-Dec-2011 09:41 Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-502

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

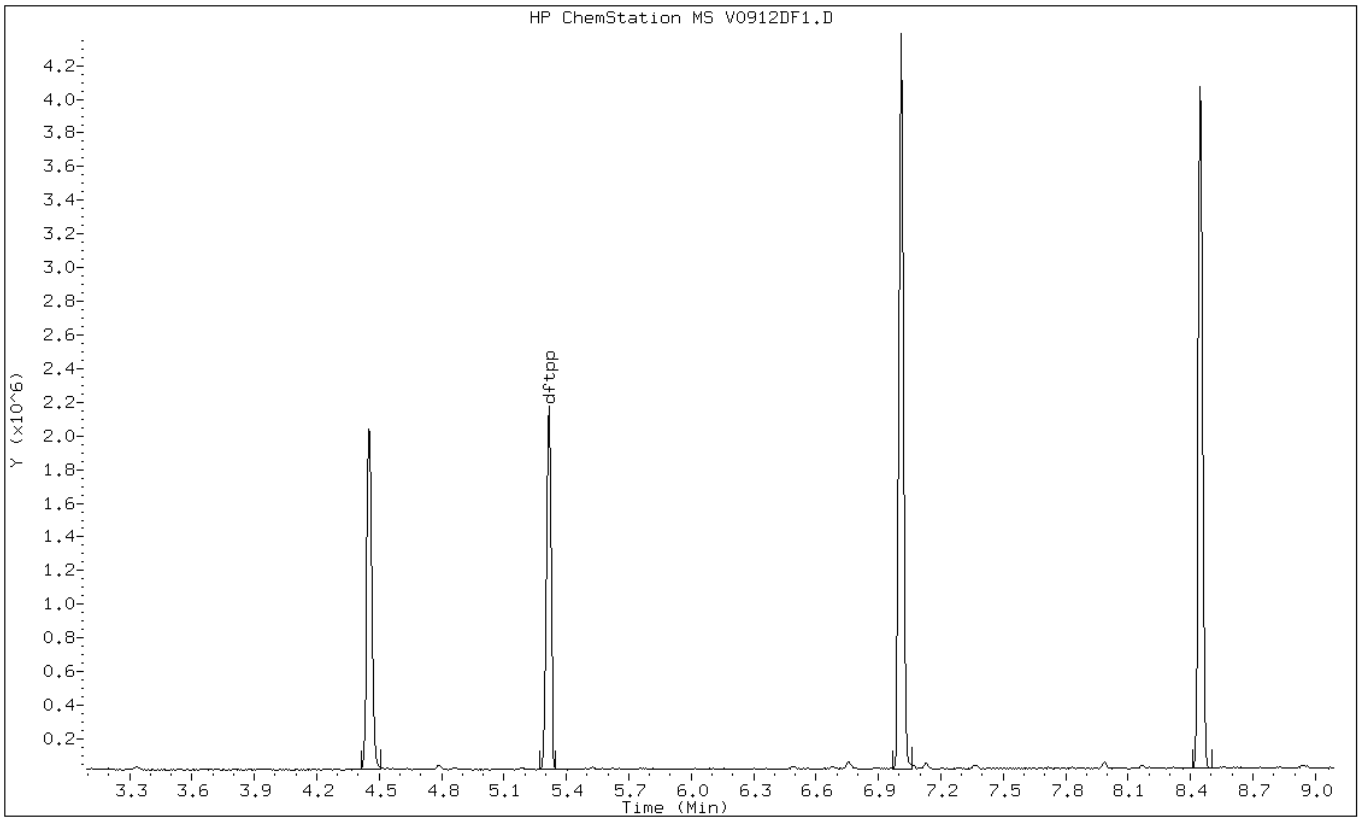
RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ng)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
5.316	4.960	(0.000)	198	243904			0.00- 100.00	100.00
5.316	4.960	(0.000)	51	86784			30.00- 60.00	35.58
5.316	4.960	(0.000)	68	0	0.0	0.0	0.00- 2.00	0.00
5.316	4.960	(0.000)	69	94664			0.00- 0.00	38.81
5.316	4.960	(0.000)	70	831			0.00- 2.00	0.88
5.316	4.960	(0.000)	127	114608			40.00- 60.00	46.99
5.316	4.960	(0.000)	197	0	0.0	0.0	0.00- 1.00	0.00
5.316	4.960	(0.000)	199	16432			5.00- 9.00	6.74
5.316	4.960	(0.000)	275	51704			10.00- 30.00	21.20
5.316	4.960	(0.000)	365	5678			1.00- 0.00	2.33
5.316	4.960	(0.000)	441	22072			0.01- 99.99	70.63
5.316	4.960	(0.000)	442	157056			40.00- 99.00	64.39
5.316	4.960	(0.000)	443	31248			17.00- 23.00	19.90

Data File: V0912DF1.D

Date: 12-SEP-2012 10:22

Client ID: DFTPP050 Instrument: 731.i

Sample Info: DFTPP 514390 Operator: 003200



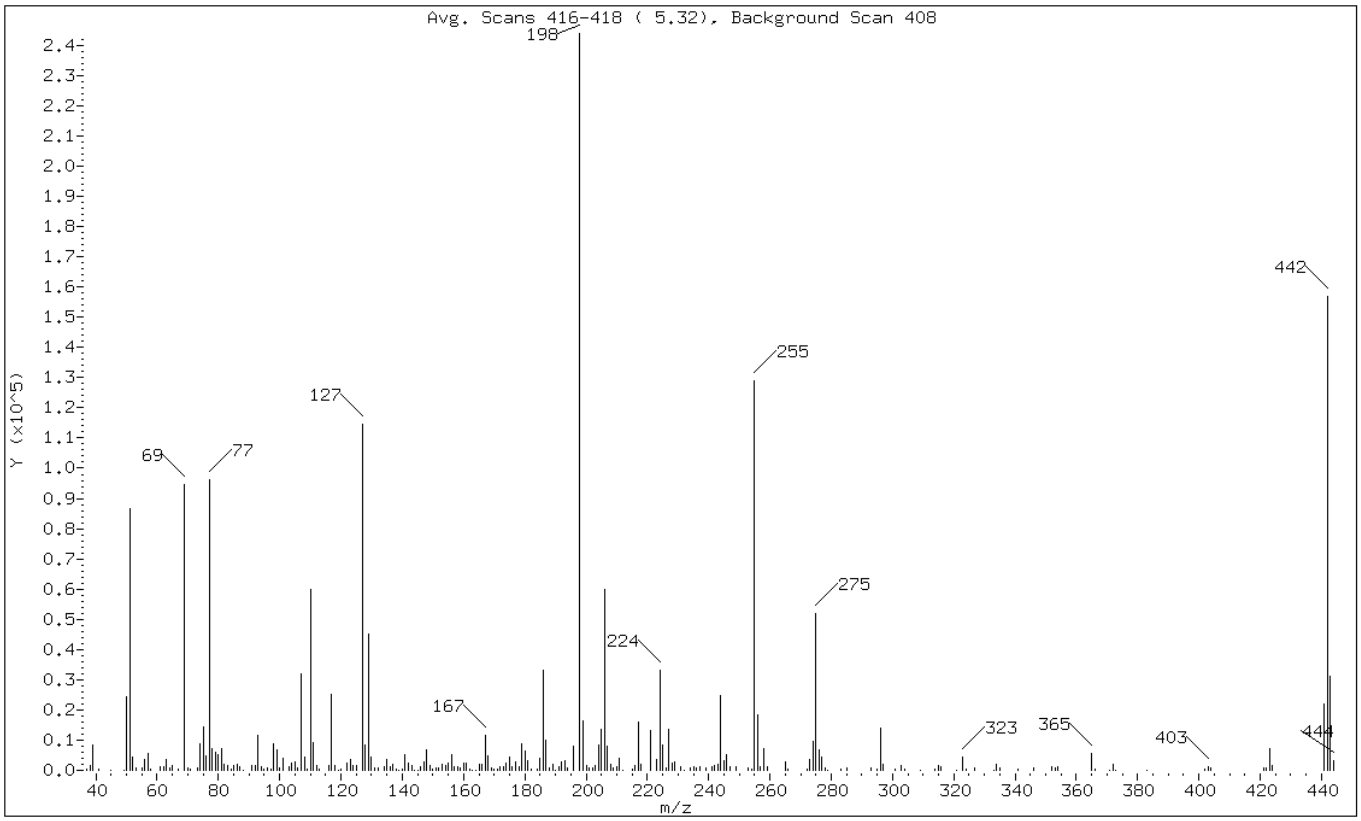
Data File: V0912DF1.D

Date: 12-SEP-2012 10:22

Client ID: DFTPP050 Instrument: 731.i

Sample Info: DFTPP 514390 Operator: 003200

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	35.58
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	38.81
70	Less than 2.00% of mass 69	0.34 (0.88)
127	40.00 - 60.00% of mass 198	46.99
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.74
275	10.00 - 30.00% of mass 198	21.20
365	Greater than 1.00% of mass 198	2.33
441	Present, but less than mass 443	9.05
442	40.00 - 99.00% of mass 198	64.39
443	17.00 - 23.00% of mass 442	12.81 (19.90)

Data File: V0912DF1.D

Date: 12-SEP-2012 10:22

Client ID: DFTPP050 Instrument: 731.i

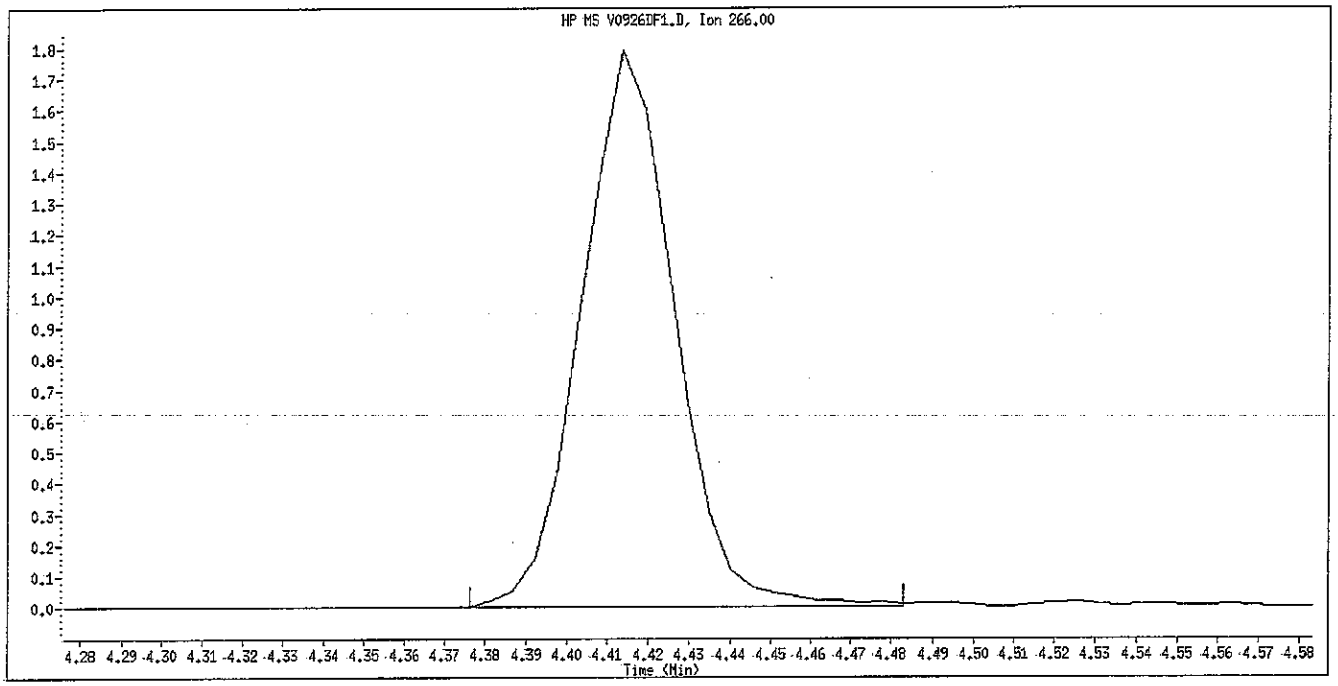
Sample Info: DFTPP 514390 Operator: 003200

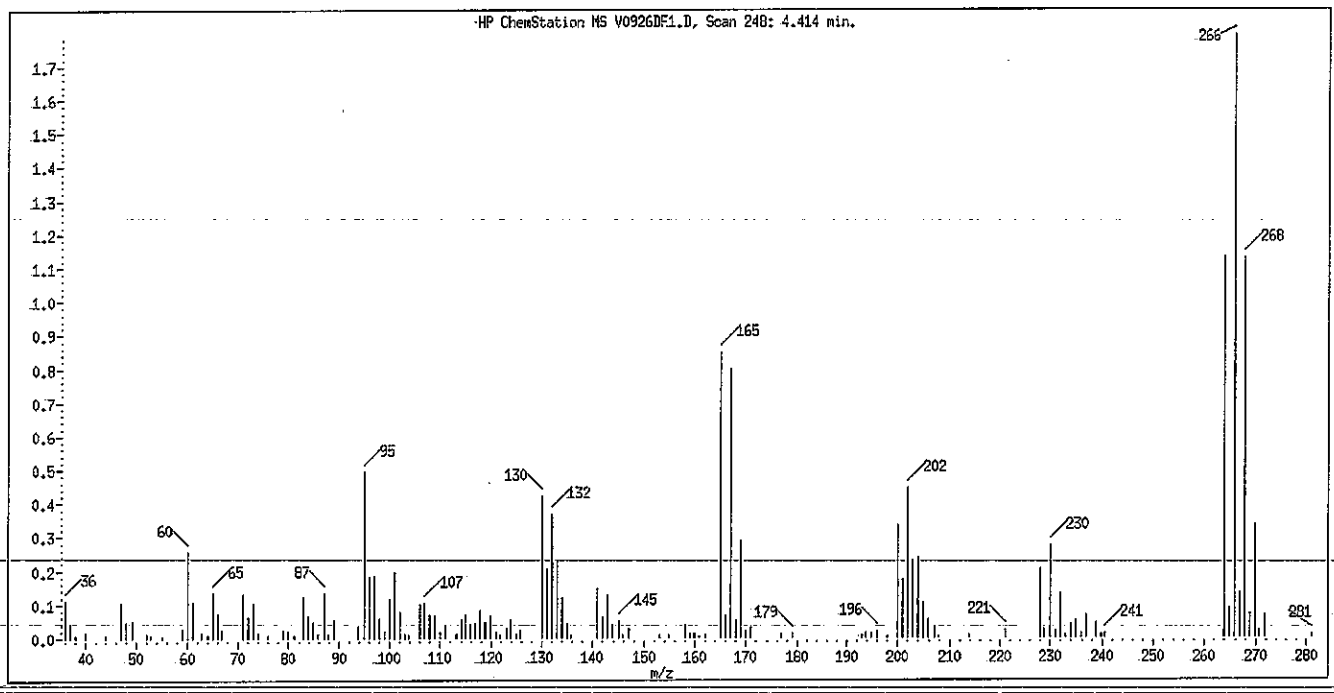
Data File: \\PITSVR06\D\chem\731.i\TV091212.b\V0912DF1.D
Spectrum: Avg. Scans 416-418 (5.32), Background Scan 408
Location of Maximum: 198.00
Number of points: 238

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	366	113.00	452	178.00	1040	254.00	317
38.00	1555	116.00	1631	179.00	8851	255.00	128760
39.00	8545	117.00	25096	180.00	6581	256.00	18472
41.00	428	118.00	1781	181.00	2999	257.00	1243
45.00	94	119.00	198	182.00	552	258.00	7359
49.00	194	120.00	306	184.00	485	259.00	1069
50.00	24320	122.00	2235	185.00	4141	265.00	2655
51.00	86784	123.00	3592	186.00	33016	266.00	552
52.00	4262	124.00	1603	187.00	9862	272.00	203
53.00	748	125.00	1452	188.00	748	273.00	3482
55.00	808	127.00	114608	189.00	1882	274.00	9515
56.00	3469	128.00	8539	190.00	195	275.00	51704
57.00	5697	129.00	45088	191.00	1186	276.00	6848
58.00	473	130.00	4259	192.00	2836	277.00	4567
61.00	1004	131.00	932	193.00	3133	278.00	631
62.00	1322	132.00	654	194.00	662	279.00	171
63.00	3656	134.00	1393	196.00	8100	283.00	366
64.00	625	135.00	3718	198.00	243904	285.00	850
65.00	1574	136.00	1350	199.00	16432	293.00	786
67.00	304	137.00	1885	200.00	1686	295.00	220
69.00	94664	138.00	327	201.00	658	296.00	14049
70.00	831	139.00	194	202.00	996	297.00	2101
71.00	375	140.00	538	203.00	1572	301.00	214
73.00	884	141.00	5252	204.00	8423	303.00	1445
74.00	8698	142.00	2199	205.00	13527	304.00	237
75.00	14498	143.00	1649	206.00	59784	309.00	171
76.00	4694	144.00	186	207.00	8111	314.00	566
77.00	96360	145.00	182	208.00	1856	315.00	1729
78.00	7234	146.00	1018	209.00	858	316.00	1014
79.00	5988	147.00	2675	210.00	1038	321.00	186
80.00	5205	148.00	6719	211.00	3797	323.00	4223
81.00	7347	149.00	1495	212.00	175	324.00	539
82.00	2190	150.00	456	215.00	492	327.00	715
83.00	1770	151.00	789	216.00	1516	333.00	180
84.00	400	152.00	630	217.00	15937	334.00	2080
85.00	1588	153.00	2036	218.00	2174	335.00	987
86.00	1922	154.00	1612	221.00	13169	341.00	555
87.00	1106	155.00	2538	223.00	3416	346.00	672
88.00	190	156.00	5215	224.00	32976	352.00	1193
91.00	1491	157.00	1130	225.00	8266	353.00	700

92.00	1764	158.00	1055	226.00	950	354.00	1133
93.00	11551	159.00	808	227.00	13731	365.00	5678
94.00	1002	160.00	2225	228.00	2464	366.00	569
95.00	484	161.00	2293	229.00	2888	371.00	174
96.00	778	162.00	359	231.00	1193	372.00	1871
97.00	405	163.00	196	232.00	169	373.00	172
98.00	8637	164.00	172	234.00	795	383.00	182
99.00	6638	165.00	2078	235.00	1091	402.00	458
100.00	673	166.00	2036	236.00	666	403.00	1186
101.00	4105	167.00	11740	237.00	1114	404.00	610
103.00	1323	168.00	4817	239.00	608	421.00	824
104.00	2424	169.00	854	241.00	1091	422.00	933
105.00	2903	170.00	224	242.00	1714	423.00	7231
106.00	784	171.00	554	243.00	1927	424.00	1530
107.00	31840	172.00	1040	244.00	24552	441.00	22072
108.00	4502	173.00	1234	245.00	3350	442.00	157056
109.00	339	174.00	2251	246.00	5094	443.00	31248
110.00	59968	175.00	4574	247.00	1045	444.00	3014
111.00	9302	176.00	1113	249.00	1141		
112.00	1486	177.00	2665	253.00	681		

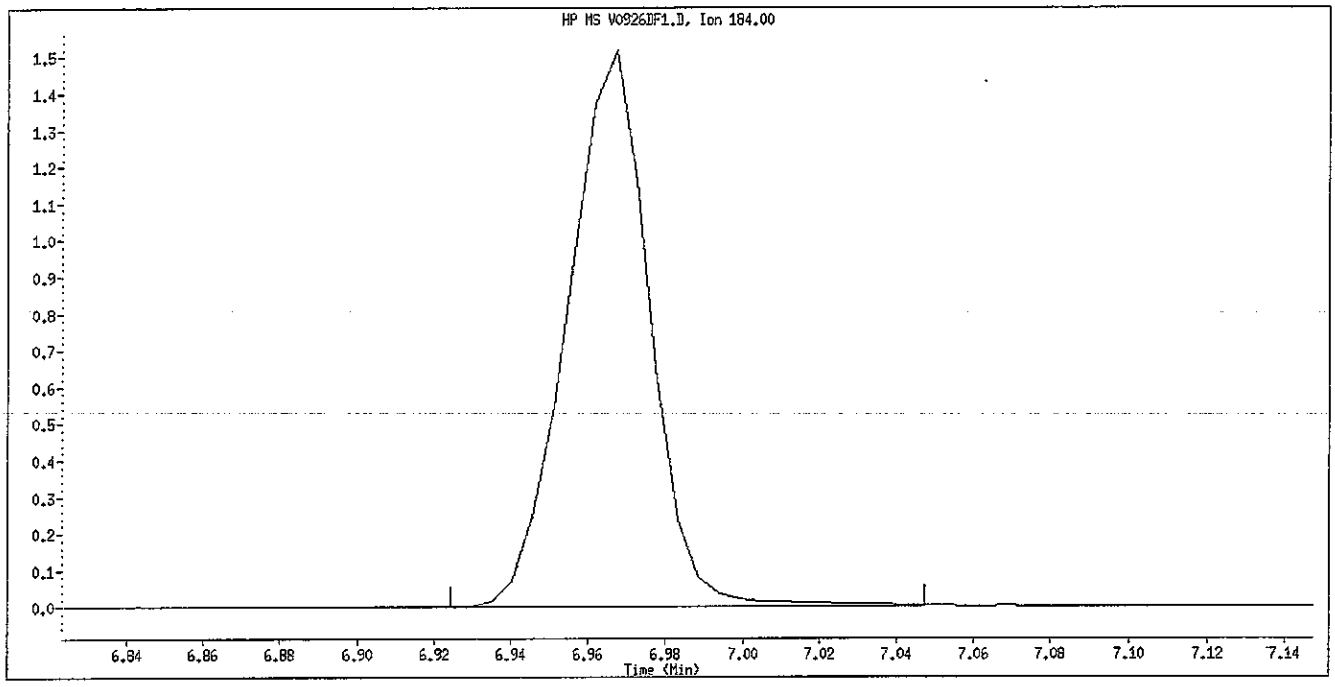
Data File: V0926DF1.D
Inj Date: 26-SEP-2012 12:40
Instrument ID: 731.i
Compound Name: Pentachlorophenol
Operator Name: 003200
Report Date: 09/26/2012 TAILING FACTOR

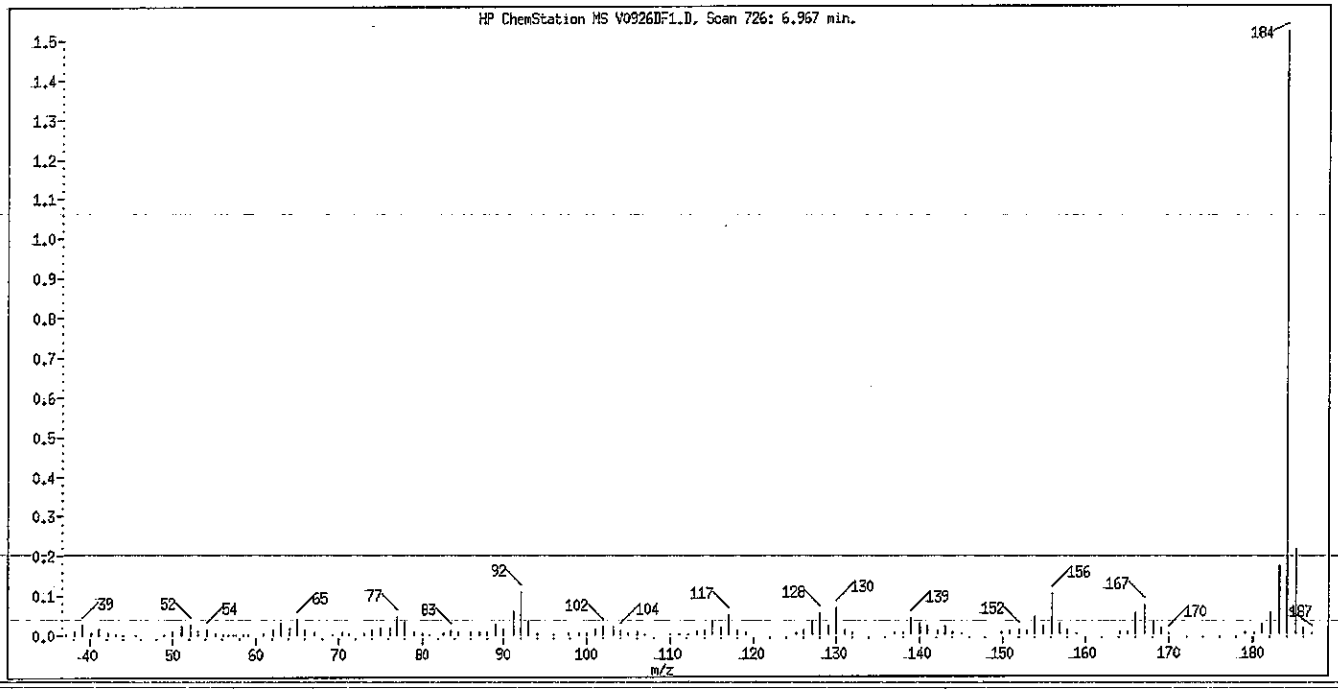




Tailing Factor = 1.19 Good
Acceptance Criteria 0 - 5
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 4.392548 T2 = 4.413533 T3 = 4.438529

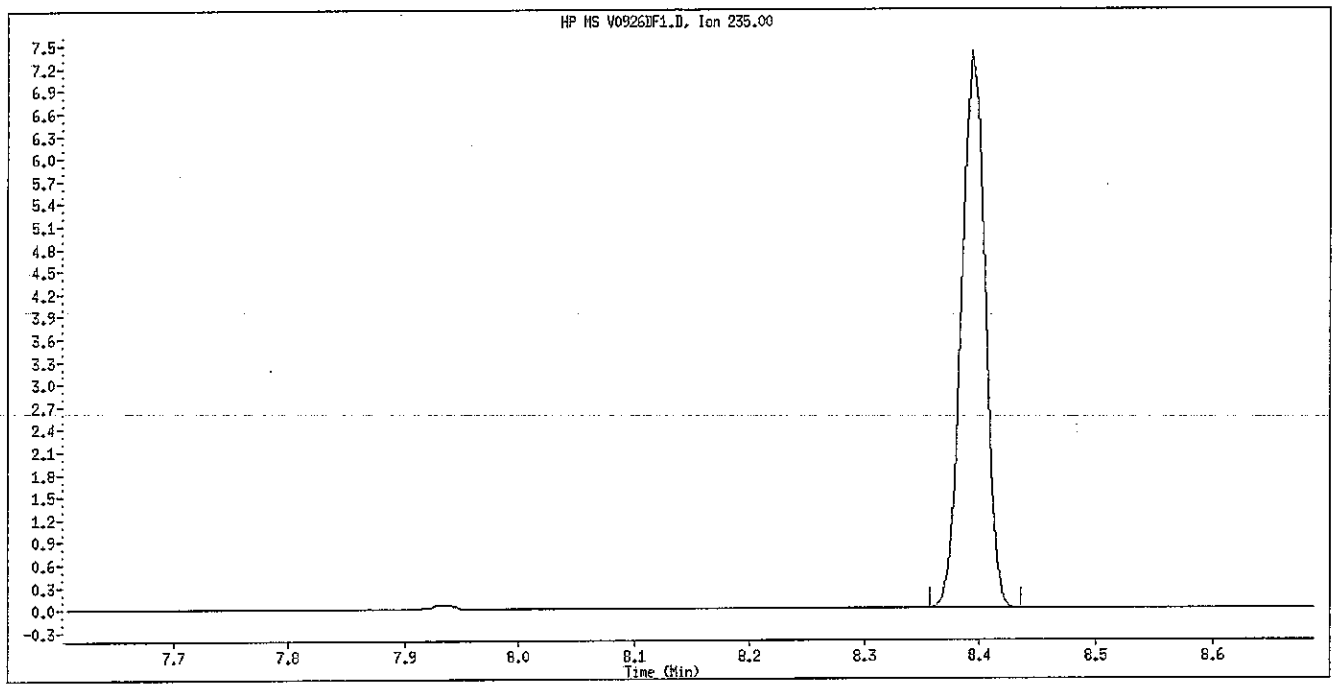
Data File: V0926DF1.D
Inj Date: 26-SEP-2012 12:40
Instrument ID: 731.i
Compound Name: Benzidine
Operator Name: 003200
Report Date: 09/26/2012 TAILING FACTOR





Tailing Factor = 0.781 Good
Acceptance Criteria 0 - 3
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 6.942789 T2 = 6.967067 T3 = 6.986027

Data File: V0926DF1.D
Inj Date: 26-SEP-2012 12:40
Instrument ID: 731.i
Compound Name: 4,4'-DDT
Operator Name: 003200
Report Date: 09/26/2012 DEGRADATION REPORT



Degradation = 0.0677% Good
Acceptance Criteria 0 - 20 %
DDT Area = 1069839
DDE Area = 725
DDD Area = 0

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Data file : \\PITSVR06\D\chem\731.i\TV092612.b\V0926DF1.D
Lab Smp Id: DFTPP 514390 Client Smp ID: DFTPP050
Inj Date : 26-SEP-2012 12:40
Operator : 003200 Inst ID: 731.i
Smp Info : DFTPP 514390
Misc Info : TV092612.b,Tsw846tun.m
Comment :
Method : \\PITSVR06\D\chem\731.i\TV092612.b\Tsw846tun.m
Meth Date : 15-Dec-2011 09:41 Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-502

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

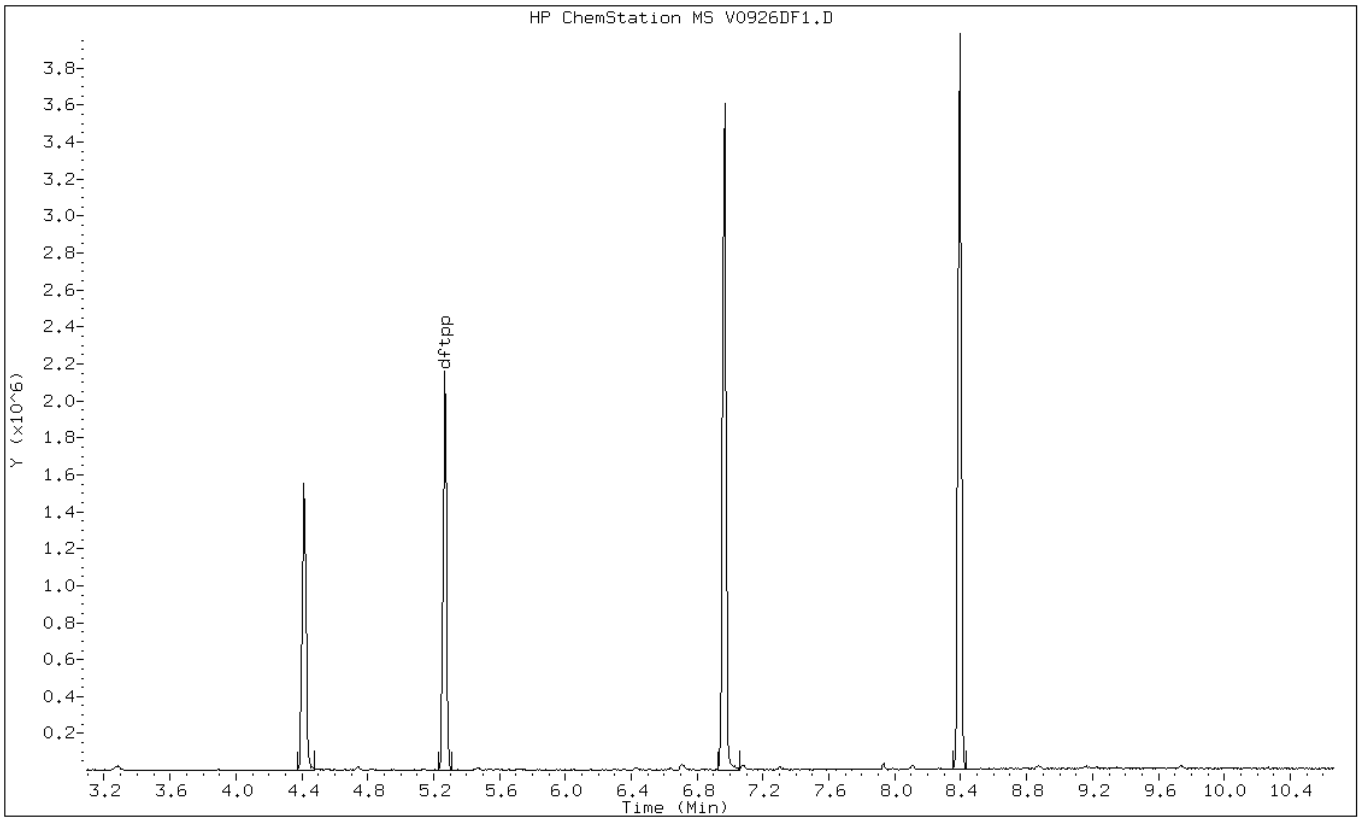
RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ng)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
5.268	4.960	(0.000)	198	231680			0.00- 100.00	100.00
5.268	4.960	(0.000)	51	89528			30.00- 60.00	38.64
5.268	4.960	(0.000)	68	0	0.0	0.0	0.00- 2.00	0.00
5.268	4.960	(0.000)	69	93496			0.00- 0.00	40.36
5.268	4.960	(0.000)	70	371			0.00- 2.00	0.40
5.268	4.960	(0.000)	127	114656			40.00- 60.00	49.49
5.268	4.960	(0.000)	197	0	0.0	0.0	0.00- 1.00	0.00
5.268	4.960	(0.000)	199	15760			5.00- 9.00	6.80
5.268	4.960	(0.000)	275	51960			10.00- 30.00	22.43
5.268	4.960	(0.000)	365	4972			1.00- 0.00	2.15
5.268	4.960	(0.000)	441	20904			0.01- 99.99	68.47
5.268	4.960	(0.000)	442	163200			40.00- 99.00	70.44
5.268	4.960	(0.000)	443	30528			17.00- 23.00	18.71

Data File: V0926DF1.D

Date: 26-SEP-2012 12:40

Client ID: DFTPP050 Instrument: 731.i

Sample Info: DFTPP 514390 Operator: 003200



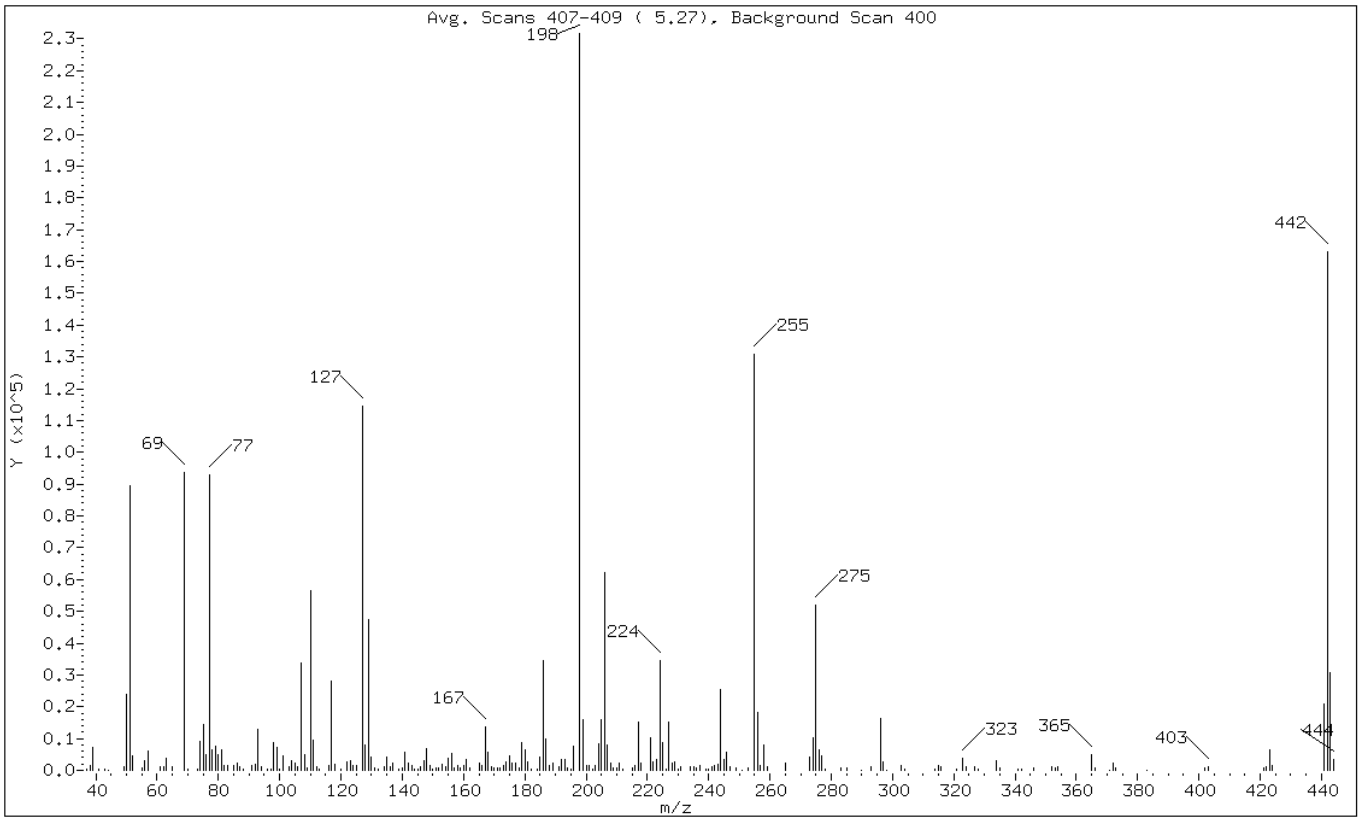
Data File: V0926DF1.D

Date: 26-SEP-2012 12:40

Client ID: DFTPP050 Instrument: 731.i

Sample Info: DFTPP 514390 Operator: 003200

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	38.64
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	40.36
70	Less than 2.00% of mass 69	0.16 (0.40)
127	40.00 - 60.00% of mass 198	49.49
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.80
275	10.00 - 30.00% of mass 198	22.43
365	Greater than 1.00% of mass 198	2.15
441	Present, but less than mass 443	9.02
442	40.00 - 99.00% of mass 198	70.44
443	17.00 - 23.00% of mass 442	13.18 (18.71)

Data File: V0926DF1.D

Date: 26-SEP-2012 12:40

Client ID: DFTPP050 Instrument: 731.i

Sample Info: DFTPP 514390 Operator: 003200

Data File: \\PITSVR06\D\chem\731.i\TV092612.b\V0926DF1.D
Spectrum: Avg. Scans 407-409 (5.27), Background Scan 400
Location of Maximum: 198.00
Number of points: 226

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	190	118.00	1768	182.00	451	251.00	176
38.00	1497	120.00	439	184.00	492	253.00	750
39.00	7371	122.00	2486	185.00	4148	255.00	130648
41.00	474	123.00	2902	186.00	34440	256.00	18176
43.00	489	124.00	1569	187.00	9861	257.00	1509
44.00	53	125.00	1488	188.00	1387	258.00	8110
49.00	1008	127.00	114656	189.00	2193	259.00	1023
50.00	23928	128.00	8113	191.00	1139	265.00	2448
51.00	89528	129.00	47416	192.00	3436	273.00	4108
52.00	4397	130.00	4109	193.00	3231	274.00	10188
55.00	942	131.00	839	194.00	777	275.00	51960
56.00	3015	132.00	429	195.00	266	276.00	6375
57.00	5882	134.00	1300	196.00	7672	277.00	4722
61.00	1188	135.00	4027	198.00	231680	278.00	528
62.00	1160	136.00	1325	199.00	15760	283.00	627
63.00	3890	137.00	2292	200.00	1642	285.00	756
65.00	1297	139.00	196	201.00	1543	290.00	169
69.00	93496	140.00	577	202.00	499	293.00	1189
70.00	371	141.00	5761	203.00	1576	296.00	16335
73.00	512	142.00	2375	204.00	8374	297.00	2684
74.00	9189	143.00	1533	205.00	15975	298.00	178
75.00	14587	144.00	495	206.00	62216	303.00	1532
76.00	4942	145.00	231	207.00	7850	304.00	322
77.00	92912	146.00	1261	208.00	2242	314.00	425
78.00	6309	147.00	2912	209.00	883	315.00	1555
79.00	7427	148.00	6868	210.00	675	316.00	1114
80.00	5017	149.00	1366	211.00	2463	321.00	444
81.00	6550	150.00	400	212.00	567	323.00	3680
82.00	1624	151.00	931	215.00	690	324.00	979
83.00	1554	152.00	574	216.00	1658	327.00	1165
85.00	1487	153.00	1735	217.00	15201	328.00	267
86.00	2305	154.00	1162	218.00	2412	334.00	3094
87.00	1108	155.00	3668	221.00	10339	335.00	838
88.00	276	156.00	5225	222.00	2583	341.00	250
91.00	1694	157.00	838	223.00	3278	342.00	260
92.00	2052	158.00	1373	224.00	34616	346.00	769
93.00	12947	159.00	902	225.00	8700	352.00	1015
94.00	1049	160.00	1575	226.00	212	353.00	846
96.00	374	161.00	3368	227.00	15204	354.00	979
97.00	201	162.00	898	228.00	2157	365.00	4972

98.00	8585	165.00	2337	229.00	2568	366.00	844
99.00	7072	166.00	1439	230.00	226	371.00	178
100.00	424	167.00	13730	231.00	1151	372.00	2143
101.00	4408	168.00	5609	234.00	1011	373.00	625
103.00	1143	169.00	1250	235.00	956	383.00	184
104.00	2862	170.00	784	236.00	765	402.00	867
105.00	2389	171.00	837	237.00	1529	403.00	1020
106.00	1010	172.00	927	239.00	252	421.00	893
107.00	33632	173.00	1393	240.00	196	422.00	1162
108.00	4797	174.00	2544	241.00	1092	423.00	6575
109.00	865	175.00	4525	242.00	1592	424.00	1453
110.00	56512	176.00	2148	243.00	1816	441.00	20904
111.00	9371	177.00	2400	244.00	25384	442.00	163200
112.00	1124	178.00	735	245.00	3227	443.00	30528
113.00	261	179.00	8791	246.00	5505	444.00	3255
116.00	1383	180.00	6345	247.00	998		
117.00	27880	181.00	2772	249.00	853		

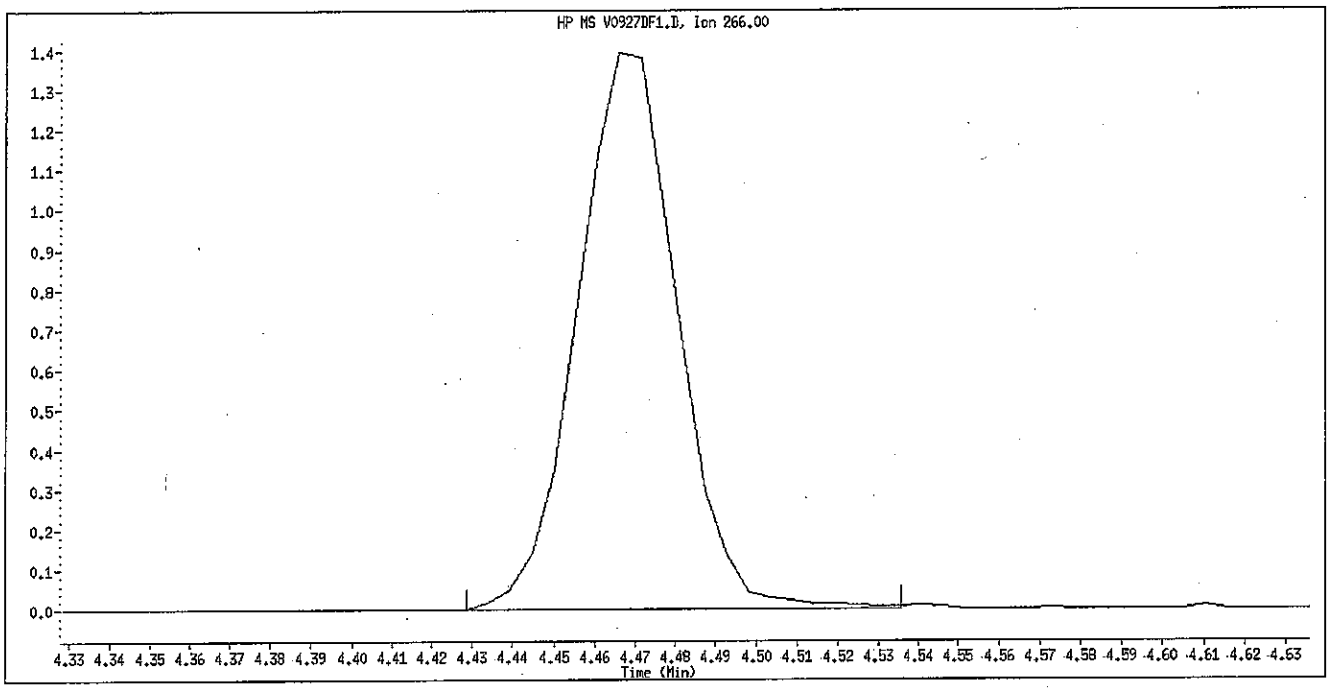
TestAmerica Pittsburgh

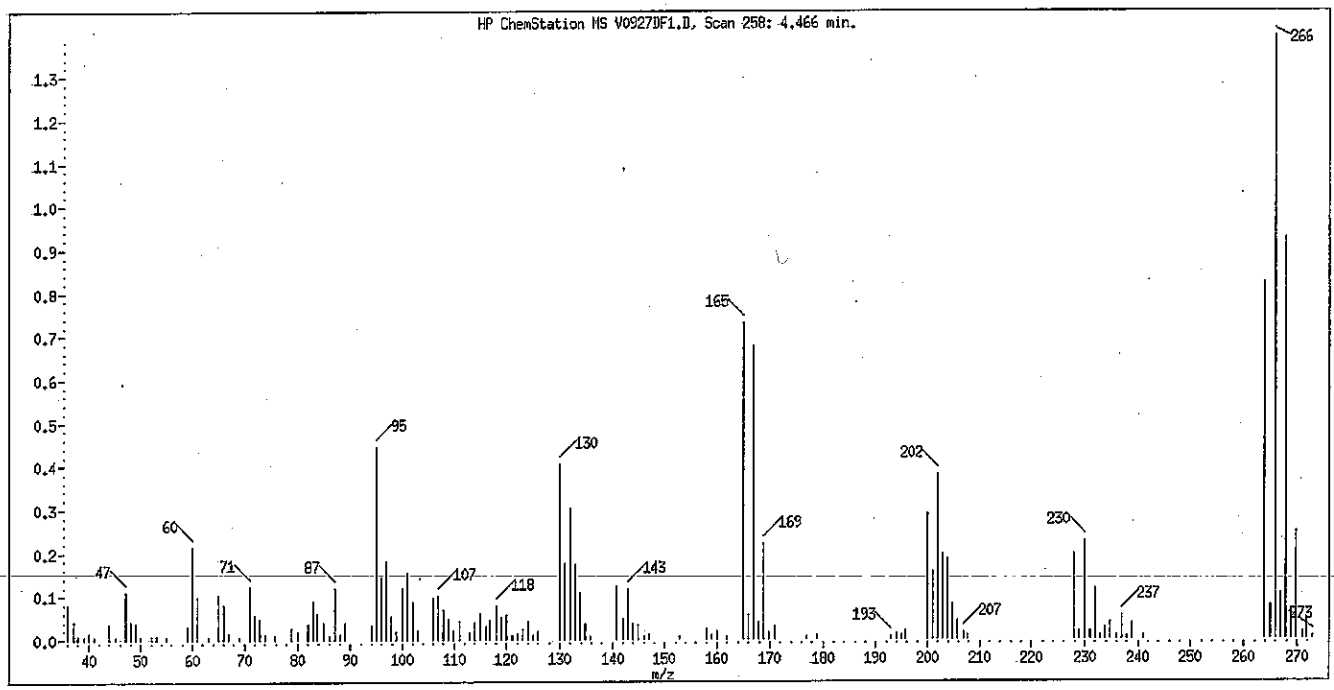
Data file : \\PITSVR06\D\chem\731.i\TV092712.b\V0927DF1.D
Lab Smp Id: DFTPP 514390 Client Smp ID: DFTPP050
Inj Date : 27-SEP-2012 10:57
Operator : 003200 Inst ID: 731.i
Smp Info : DFTPP 514390
Misc Info : TV092612.b,Tsw846tun.m
Comment :
Method : \\PITSVR06\D\chem\731.i\TV092712.b\Tsw846tun.m
Meth Date : 15-Dec-2011 09:41 Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-502

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ng)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
5.331	4.960	(0.000)	198	140736			0.00- 100.00	100.00
5.331	4.960	(0.000)	51	57664			30.00- 60.00	40.97
5.331	4.960	(0.000)	68	0	0.0	0.0	0.00- 2.00	0.00
5.331	4.960	(0.000)	69	63136			0.00- 0.00	44.86
5.331	4.960	(0.000)	70	444			0.00- 2.00	0.70
5.331	4.960	(0.000)	127	71864			40.00- 60.00	51.06
5.331	4.960	(0.000)	197	0	0.0	0.0	0.00- 1.00	0.00
5.331	4.960	(0.000)	199	10339			5.00- 9.00	7.35
5.331	4.960	(0.000)	275	30456			10.00- 30.00	21.64
5.331	4.960	(0.000)	365	3029			1.00- 0.00	2.15
5.331	4.960	(0.000)	441	11648			0.01- 99.99	69.60
5.331	4.960	(0.000)	442	82768			40.00- 99.00	58.81
5.331	4.960	(0.000)	443	16736			17.00- 23.00	20.22

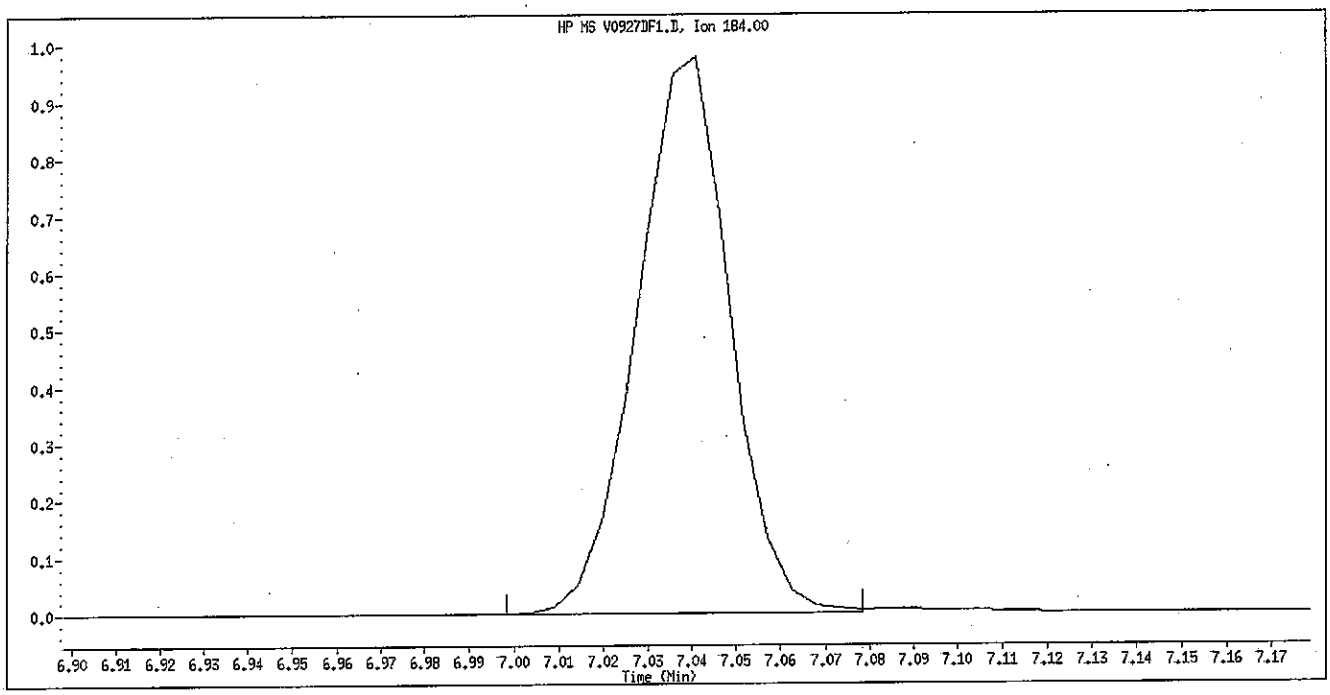
Data File: V0927DF1.D
Inj Date: 27-SEP-2012 10:57
Instrument ID: 731.i
Compound Name: Pentachlorophenol
Operator Name: 003200
Report Date: 09/27/2012 TAILING FACTOR

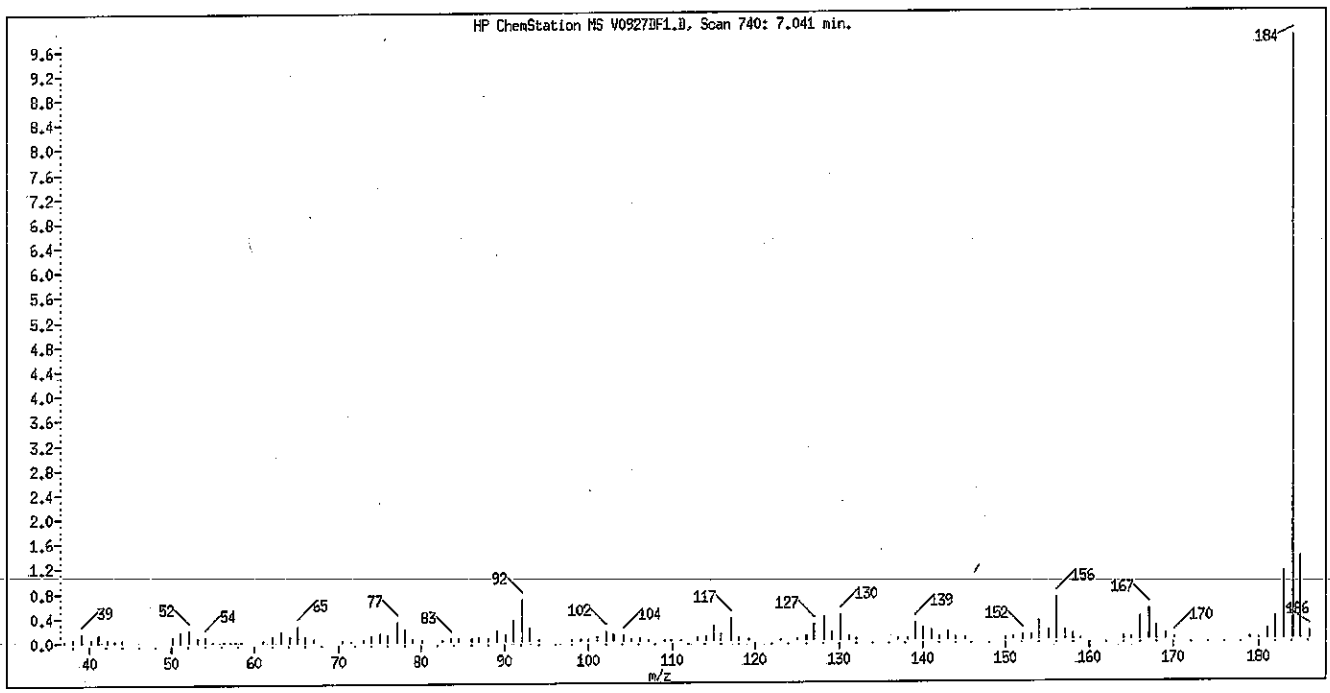




Tailing Factor = 1.25 Good
Acceptance Criteria 0 - 5
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 4.444633 T2 = 4.466117 T3 = 4.492881

Data File: V0927DF1.D
Inj Date: 27-SEP-2012 10:57
Instrument ID: 731.i
Compound Name: Benzidine
Operator Name: 003200
Report Date: 09/27/2012 TAILING FACTOR

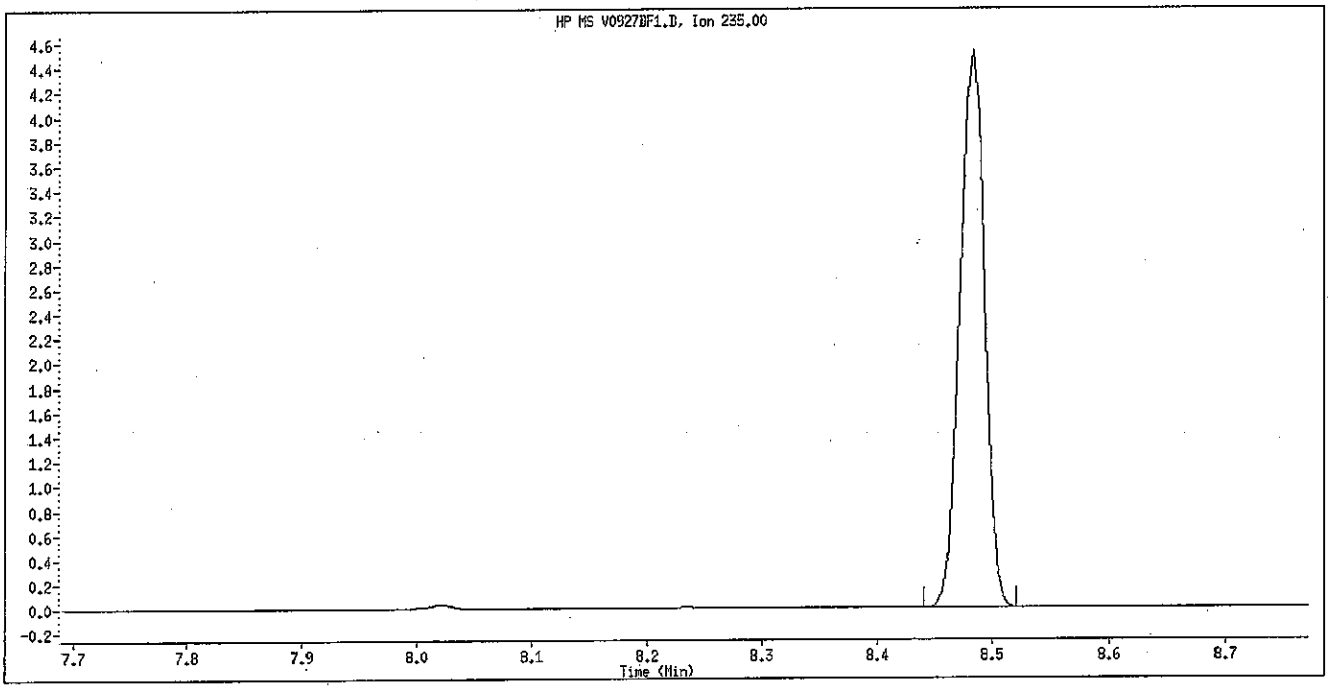




Tailing Factor = 0.74 Good
Acceptance Criteria 0 - 3
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 7.016574 T2 = 7.041017 T3 = 7.059109

Data File: V0927DF1.D
Inj Date: 27-SEP-2012 10:57
Instrument ID: 731.i
Compound Name: 4,4'-DDT
Operator Name: 003200
Report Date: 09/27/2012

DEGRADATION REPORT



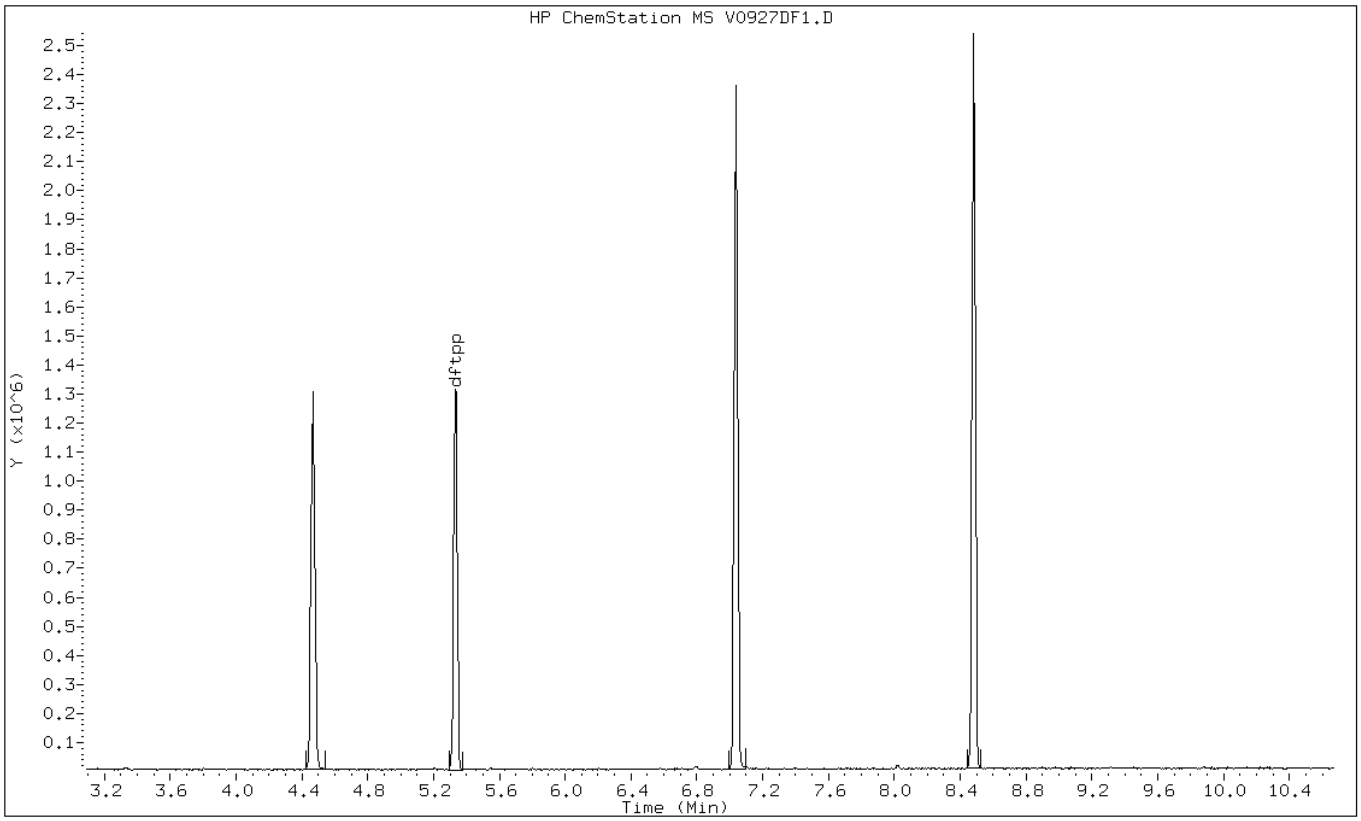
Degradation = 0% Good
Acceptance Criteria 0 - 20 %
DDT Area = 664475
DDE Area = 0
DDD Area = 0

Data File: V0927DF1.D

Date: 27-SEP-2012 10:57

Client ID: DFTPP050 Instrument: 731.i

Sample Info: DFTPP 514390 Operator: 003200



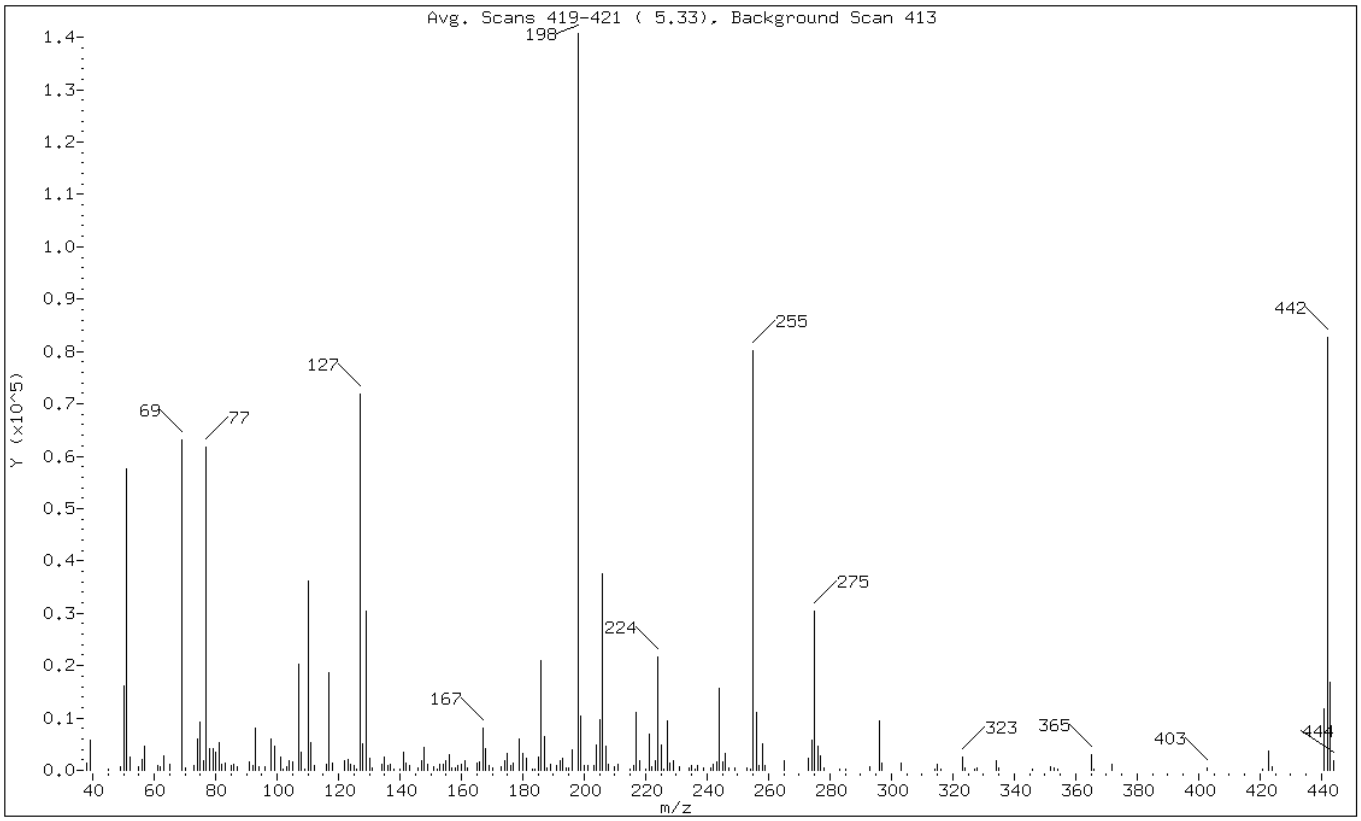
Data File: V0927DF1.D

Date: 27-SEP-2012 10:57

Client ID: DFTPP050 Instrument: 731.i

Sample Info: DFTPP 514390 Operator: 003200

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	40.97
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	44.86
70	Less than 2.00% of mass 69	0.32 (0.70)
127	40.00 - 60.00% of mass 198	51.06
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.35
275	10.00 - 30.00% of mass 198	21.64
365	Greater than 1.00% of mass 198	2.15
441	Present, but less than mass 443	8.28
442	40.00 - 99.00% of mass 198	58.81
443	17.00 - 23.00% of mass 442	11.89 (20.22)

Data File: V0927DF1.D

Date: 27-SEP-2012 10:57

Client ID: DFTPP050 Instrument: 731.i

Sample Info: DFTPP 514390 Operator: 003200

Data File: \\PITSVR06\D\chem\731.i\TV092712.b\V0927DF1.D
Spectrum: Avg. Scans 419-421 (5.33), Background Scan 413
Location of Maximum: 198.00
Number of points: 197

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	1493	118.00	1380	183.00	169	246.00	3263
39.00	5764	122.00	1826	184.00	235	247.00	429
45.00	235	123.00	2088	185.00	2426	249.00	394
49.00	588	124.00	1050	186.00	21056	253.00	446
50.00	16017	125.00	872	187.00	6434	254.00	199
51.00	57664	126.00	252	188.00	468	255.00	80120
52.00	2605	127.00	71864	189.00	1216	256.00	10963
55.00	779	128.00	5103	191.00	945	257.00	869
56.00	2054	129.00	30480	192.00	1943	258.00	4967
57.00	4619	130.00	2282	193.00	2346	259.00	1003
61.00	1018	131.00	467	194.00	398	265.00	1789
62.00	688	134.00	1072	195.00	360	273.00	2313
63.00	2684	135.00	2640	196.00	3924	274.00	5811
65.00	1054	136.00	995	198.00	140736	275.00	30456
69.00	63136	137.00	1206	199.00	10339	276.00	4544
70.00	444	138.00	212	200.00	1013	277.00	2697
73.00	836	140.00	196	201.00	898	278.00	420
74.00	6062	141.00	3414	203.00	910	283.00	194
75.00	9242	142.00	1457	204.00	4829	285.00	240
76.00	1886	143.00	930	205.00	9660	293.00	651
77.00	61632	146.00	561	206.00	37640	296.00	9388
78.00	4228	147.00	1778	207.00	4711	297.00	1316
79.00	4129	148.00	4341	208.00	1230	303.00	1317
80.00	3348	149.00	1189	210.00	737	314.00	194
81.00	5301	151.00	620	211.00	1236	315.00	1192
82.00	1166	152.00	245	215.00	257	316.00	185
83.00	1280	153.00	1241	216.00	989	323.00	2444
85.00	953	154.00	1073	217.00	11086	324.00	498
86.00	1115	155.00	1876	218.00	1826	327.00	208
87.00	753	156.00	2949	220.00	184	328.00	449
91.00	1553	157.00	557	221.00	6956	334.00	1933
92.00	953	158.00	550	222.00	782	335.00	511
93.00	8121	159.00	829	223.00	1822	346.00	184
94.00	714	160.00	1053	224.00	21728	352.00	795
96.00	663	161.00	1760	225.00	4893	353.00	451
98.00	6009	162.00	373	226.00	332	354.00	198
99.00	4549	165.00	1286	227.00	9548	365.00	3029
101.00	2511	166.00	1602	228.00	1284	366.00	179
102.00	182	167.00	8060	229.00	1746	372.00	1224
103.00	647	168.00	4118	231.00	649	403.00	526

104.00	1742	169.00	816	234.00	516	421.00	176
105.00	1664	170.00	395	235.00	839	423.00	3645
107.00	20312	173.00	796	236.00	168	424.00	684
108.00	3565	174.00	1847	237.00	850	441.00	11648
109.00	182	175.00	3244	239.00	385	442.00	82768
110.00	36200	176.00	843	241.00	475	443.00	16736
111.00	5366	177.00	1450	242.00	1245	444.00	1741
112.00	811	179.00	6023	243.00	1527		
116.00	1112	180.00	3316	244.00	15735		
117.00	18640	181.00	2286	245.00	1682		

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 180-49519/1-A

Matrix: Water | Lab File ID: V0960014.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3520C | Date Extracted: 09/25/2012 05:31

Sample wt/vol: 1000(mL) | Date Analyzed: 09/26/2012 13:47

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49849 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		0.20	0.014
208-96-8	Acenaphthylene	ND		0.20	0.015
98-86-2	Acetophenone	ND		1.0	0.080
120-12-7	Anthracene	ND		0.20	0.15
1912-24-9	Atrazine	ND		1.0	0.089
100-52-7	Benzaldehyde	ND		1.0	0.15
56-55-3	Benzo[a]anthracene	ND		0.20	0.015
205-99-2	Benzo[b]fluoranthene	ND		0.20	0.016
207-08-9	Benzo[k]fluoranthene	ND		0.20	0.055
191-24-2	Benzo[g,h,i]perylene	ND		0.20	0.015
50-32-8	Benzo[a]pyrene	ND		0.20	0.013
111-91-1	Bis(2-chloroethoxy)methane	ND		1.0	0.058
111-44-4	Bis(2-chloroethyl)ether	ND		0.20	0.025
117-81-7	Bis(2-ethylhexyl) phthalate	ND		2.0	1.3
85-68-7	Butyl benzyl phthalate	ND		1.0	0.14
92-52-4	1,1'-Biphenyl	ND		1.0	0.042
105-60-2	Caprolactam	ND		5.0	1.2
86-74-8	Carbazole	ND		0.20	0.016
218-01-9	Chrysene	ND		0.20	0.014
91-58-7	2-Chloronaphthalene	ND		0.20	0.015
95-57-8	2-Chlorophenol	ND		1.0	0.17
120-83-2	2,4-Dichlorophenol	ND		0.20	0.033
105-67-9	2,4-Dimethylphenol	ND		1.0	0.085
51-28-5	2,4-Dinitrophenol	ND		5.0	0.61
121-14-2	2,4-Dinitrotoluene	ND		1.0	0.054
606-20-2	2,6-Dinitrotoluene	ND		1.0	0.080
91-57-6	2-Methylnaphthalene	ND		0.20	0.012
95-48-7	2-Methylphenol	ND		1.0	0.086
88-74-4	2-Nitroaniline	ND		5.0	0.35
88-75-5	2-Nitrophenol	ND		1.0	0.17
108-60-1	2,2'-oxybis[1-chloropropane]	ND		0.20	0.020
95-95-4	2,4,5-Trichlorophenol	ND		1.0	0.15
88-06-2	2,4,6-Trichlorophenol	ND		1.0	0.17
100-01-6	4-Nitroaniline	ND		5.0	0.17

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 180-49519/1-A

Matrix: Water | Lab File ID: V0960014.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3520C | Date Extracted: 09/25/2012 05:31

Sample wt/vol: 1000(mL) | Date Analyzed: 09/26/2012 13:47

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49849 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	ND		5.0	0.65
7005-72-3	4-Chlorophenyl phenyl ether	ND		1.0	0.050
106-44-5	Methylphenol, 3 & 4	ND		1.0	0.090
534-52-1	4,6-Dinitro-2-methylphenol	ND		5.0	0.22
106-47-8	4-Chloroaniline	ND		1.0	0.089
59-50-7	4-Chloro-3-methylphenol	ND		1.0	0.075
101-55-3	4-Bromophenyl phenyl ether	ND		1.0	0.064
53-70-3	Dibenz(a,h)anthracene	ND		0.20	0.016
132-64-9	Dibenzofuran	ND		1.0	0.062
84-74-2	Di-n-butyl phthalate	ND		1.0	0.12
84-66-2	Diethyl phthalate	ND		1.0	0.15
131-11-3	Dimethyl phthalate	ND		1.0	0.077
117-84-0	Di-n-octyl phthalate	ND		1.0	0.21
91-94-1	3,3'-Dichlorobenzidine	ND		1.0	0.11
99-09-2	3-Nitroaniline	ND		5.0	0.32
206-44-0	Fluoranthene	ND		0.20	0.016
86-73-7	Fluorene	ND		0.20	0.022
118-74-1	Hexachlorobenzene	ND		0.20	0.018
87-68-3	Hexachlorobutadiene	ND		0.20	0.017
77-47-4	Hexachlorocyclopentadiene	ND		1.0	0.052
67-72-1	Hexachloroethane	ND		1.0	0.063
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.20	0.020
78-59-1	Isophorone	ND		1.0	0.064
91-20-3	Naphthalene	ND		0.20	0.014
98-95-3	Nitrobenzene	ND		2.0	0.084
86-30-6	N-Nitrosodiphenylamine	ND		1.0	0.085
621-64-7	N-Nitrosodi-n-propylamine	ND		0.20	0.031
129-00-0	Pyrene	ND		0.20	0.016
108-95-2	Phenol	ND		0.20	0.058
85-01-8	Phenanthrene	ND		0.20	0.043
87-86-5	Pentachlorophenol	ND		1.0	0.066
123-91-1	1,4-Dioxane	ND		2.0	0.14

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 180-49519/1-A
Matrix: Water
Lab File ID: V0960014.D
Analysis Method: 8270C LL
Date Collected:
Extract. Method: 3520C
Date Extracted: 09/25/2012 05:31
Sample wt/vol: 1000(mL)
Date Analyzed: 09/26/2012 13:47
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 2(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 49849
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	67		16-122
321-60-8	2-Fluorobiphenyl	61		19-107
367-12-4	2-Fluorophenol	68		10-111
4165-60-0	Nitrobenzene-d5	66		23-112
4165-62-2	Phenol-d5	70		15-112
1718-51-0	Terphenyl-d14	89		10-132

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV092612.b\V0960014.D
Lab Smp Id: MB 180-49519/1-A
Inj Date : 26-SEP-2012 13:47
Operator : 003200 Inst ID: 731.i
Smp Info : MB 180-49519/1-A
Misc Info : TV092612.b,T8270ll.m,padepi.sub
Comment :
Method : \\PITSVR06\D\chem\731.i\TV092612.b\T8270ll.m
Meth Date : 26-Sep-2012 13:25 piccolinov Quant Type: ISTD
Cal Date : 12-SEP-2012 13:48 Cal File: V0912IC8.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: padepi.sub
Target Version: 4.14
Processing Host: PITPC-502

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 1 1,4-Dichlorobenzene-d4	152	4.572	4.580	(1.000)	194467	8.00000	
* 2 Naphthalene-d8	136	5.545	5.552	(1.000)	765153	8.00000	
* 3 Acenaphthene-d10	164	6.896	6.899	(1.000)	471198	8.00000	
* 4 Phenanthrene-d10	188	8.039	8.042	(1.000)	812821	8.00000	
* 5 Chrysene-d12	240	10.096	10.093	(1.000)	628093	8.00000	
* 6 Perylene-d12	264	11.512	11.514	(1.000)	585135	8.00000	
198 1,4-Dioxane	88	Compound Not Detected.					
10 N-Nitrosodimethylamine	74	Compound Not Detected.					
9 Pyridine	79	Compound Not Detected.					
16 Methyl methanesulfonate	80	Compound Not Detected.					
206 Benzaldehyde	77	Compound Not Detected.					
21 Aniline	93	Compound Not Detected.					
22 Phenol	94	Compound Not Detected.					
23 bis(2-Chloroethyl)ether	93	Compound Not Detected.					
24 2-Chlorophenol	128	Compound Not Detected.					
26 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					
28 1,2-Dichlorobenzene	146	Compound Not Detected.					
217 Indene	116	Compound Not Detected.					
29 Benzyl Alcohol	108	Compound Not Detected.					
30 2-Methylphenol	108	Compound Not Detected.					
31 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
37 Acetophenone	105	Compound Not Detected.					
32 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192 4-Methylphenol	108	Compound Not Detected.					
34 Hexachloroethane	117	Compound Not Detected.					
35 Nitrobenzene	77	Compound Not Detected.					
36 N-Nitrosopyrrolidine	100	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
41 Isophorone	82	Compound Not Detected.					
42 2-Nitrophenol	139	Compound Not Detected.					
43 2,4-Dimethylphenol	107	Compound Not Detected.					
44 bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
48 2,4-Dichlorophenol	162	Compound Not Detected.					
49 Benzoic Acid	122	Compound Not Detected.					
50 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51 Naphthalene	128	Compound Not Detected.					
52 4-Chloroaniline	127	Compound Not Detected.					
54 2,6-Dichlorophenol	162	Compound Not Detected.					
56 Hexachlorobutadiene	224	Compound Not Detected.					
208 Caprolactam	113	Compound Not Detected.					
59 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
62 2-Methylnaphthalene	142	Compound Not Detected.					
63 1-Methylnaphthalene	142	Compound Not Detected.					
64 Hexachlorocyclopentadiene	236	Compound Not Detected.					
65 1,2,4,5-Tetrachlorobenzene	215	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	Compound Not Detected.					
67 2,4,5-Trichlorophenol	196	Compound Not Detected.					
209 1,1'-Biphenyl	154	Compound Not Detected.					
70 2-Chloronaphthalene	162	Compound Not Detected.					
73 2-Nitroaniline	65	Compound Not Detected.					
76 Dimethylphthalate	163	Compound Not Detected.					
78 2,6-Dinitrotoluene	165	Compound Not Detected.					
79 Acenaphthylene	152	Compound Not Detected.					
81 3-Nitroaniline	138	Compound Not Detected.					
82 Acenaphthene	153	Compound Not Detected.					
83 2,4-Dinitrophenol	184	Compound Not Detected.					
85 4-Nitrophenol	109	Compound Not Detected.					
86 Dibenzofuran	168	Compound Not Detected.					
87 2,4-Dinitrotoluene	165	Compound Not Detected.					
91 2,3,5,6-Tetrachlorophenol	231	Compound Not Detected.					
88 2,3,4,6-Tetrachlorophenol	231	Compound Not Detected.					
92 2-Naphthylamine	143	Compound Not Detected.					
93 Diethylphthalate	149	Compound Not Detected.					
94 Fluorene	166	Compound Not Detected.					
95 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96 4-Nitroaniline	138	Compound Not Detected.					
98 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99 N-Nitrosodiphenylamine (1)	169	Compound Not Detected.					
100 1,2-Diphenylhydrazine	77	Compound Not Detected.					
106 4-Bromophenyl-phenylether	248	Compound Not Detected.					
107 Hexachlorobenzene	283	Compound Not Detected.					
210 Atrazine	200	Compound Not Detected.					
111 Pentachlorophenol	265	Compound Not Detected.					
115 Phenanthrene	178	Compound Not Detected.					
116 Anthracene	178	Compound Not Detected.					
119 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	Compound Not Detected.					
123 Fluoranthene	202	Compound Not Detected.					
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	Compound Not Detected.					
131 Butylbenzylphthalate	149	Compound Not Detected.					
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					

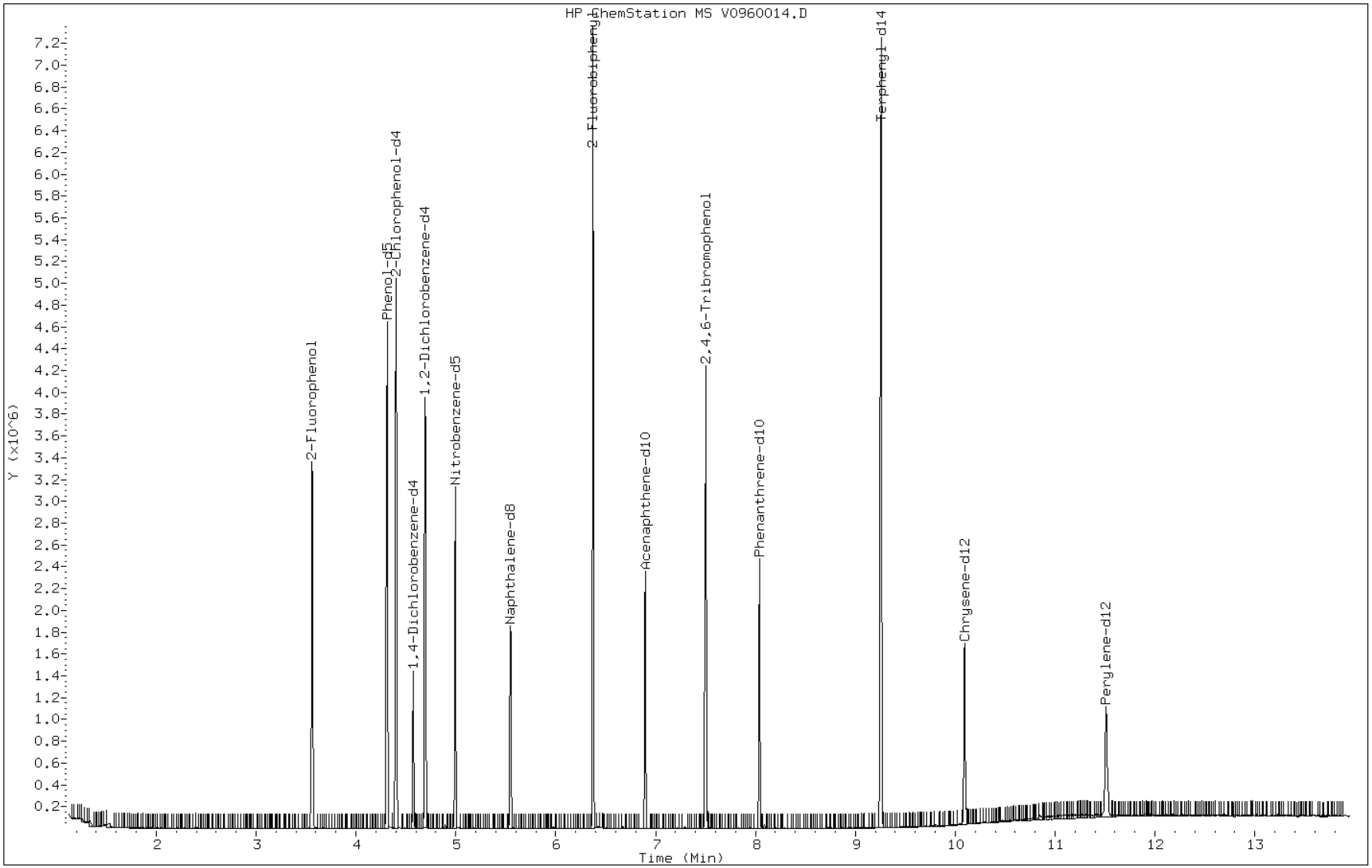
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
136 Benzo(a)Anthracene	228	Compound Not Detected.					
137 Chrysene	228	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	Compound Not Detected.					
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	Compound Not Detected.					
142 Benzo(k)fluoranthene	252	Compound Not Detected.					
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
146 Benzo(a)pyrene	252	Compound Not Detected.					
149 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
150 Dibenz(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 154 Nitrobenzene-d5	82	4.994	4.997	(0.901)	768478	26.2373	26.237
$ 155 2-Fluorobiphenyl	172	6.373	6.375	(0.924)	1906256	24.4649	24.465
$ 156 Terphenyl-d14	244	9.257	9.260	(0.917)	2137546	35.4956	35.496
$ 157 Phenol-d5	99	4.311	4.313	(0.943)	1339684	42.0168	42.017
$ 158 2-Fluorophenol	112	3.557	3.565	(0.778)	1059810	40.8193	40.819
$ 159 2,4,6-Tribromophenol	330	7.505	7.508	(0.934)	378382	40.0837	40.084
$ 186 2-Chlorophenol-d4	132	4.401	4.404	(0.963)	1258145	38.1560	38.156
$ 187 1,2-Dichlorobenzene-d4	152	4.690	4.698	(1.026)	599301	25.4397	25.440

Data File: V0960014.D

Date: 26-SEP-2012 13:47

Client ID: Instrument: 731.i

Sample Info: MB 180-49519/1-A Operator: 003200



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 180-49519/2-A

Matrix: Water | Lab File ID: V0960015.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3520C | Date Extracted: 09/25/2012 05:31

Sample wt/vol: 1000(mL) | Date Analyzed: 09/26/2012 14:34

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49849 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	14.4		0.20	0.014
208-96-8	Acenaphthylene	15.6		0.20	0.015
98-86-2	Acetophenone	14.8		1.0	0.080
120-12-7	Anthracene	14.1		0.20	0.15
1912-24-9	Atrazine	24.5		1.0	0.089
100-52-7	Benzaldehyde	9.68		1.0	0.15
56-55-3	Benzo[a]anthracene	15.5		0.20	0.015
205-99-2	Benzo[b]fluoranthene	14.8		0.20	0.016
207-08-9	Benzo[k]fluoranthene	14.4		0.20	0.055
191-24-2	Benzo[g,h,i]perylene	14.5		0.20	0.015
50-32-8	Benzo[a]pyrene	15.7		0.20	0.013
111-91-1	Bis(2-chloroethoxy)methane	14.4		1.0	0.058
111-44-4	Bis(2-chloroethyl)ether	13.7		0.20	0.025
117-81-7	Bis(2-ethylhexyl) phthalate	15.9		2.0	1.3
85-68-7	Butyl benzyl phthalate	16.0		1.0	0.14
92-52-4	1,1'-Biphenyl	14.2		1.0	0.042
105-60-2	Caprolactam	15.3		5.0	1.2
86-74-8	Carbazole	13.2		0.20	0.016
218-01-9	Chrysene	15.9		0.20	0.014
91-58-7	2-Chloronaphthalene	14.1		0.20	0.015
95-57-8	2-Chlorophenol	14.4		1.0	0.17
120-83-2	2,4-Dichlorophenol	14.7		0.20	0.033
105-67-9	2,4-Dimethylphenol	15.0		1.0	0.085
51-28-5	2,4-Dinitrophenol	13.4		5.0	0.61
121-14-2	2,4-Dinitrotoluene	14.7		1.0	0.054
606-20-2	2,6-Dinitrotoluene	14.9		1.0	0.080
91-57-6	2-Methylnaphthalene	14.7		0.20	0.012
95-48-7	2-Methylphenol	13.4		1.0	0.086
88-74-4	2-Nitroaniline	13.9		5.0	0.35
88-75-5	2-Nitrophenol	15.0		1.0	0.17
108-60-1	2,2'-oxybis[1-chloropropane]	13.7		0.20	0.020
95-95-4	2,4,5-Trichlorophenol	13.7		1.0	0.15
88-06-2	2,4,6-Trichlorophenol	14.6		1.0	0.17
100-01-6	4-Nitroaniline	13.8		5.0	0.17

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 180-49519/2-A
Matrix: Water
Lab File ID: V0960015.D
Analysis Method: 8270C LL
Date Collected:
Extract. Method: 3520C
Date Extracted: 09/25/2012 05:31
Sample wt/vol: 1000(mL)
Date Analyzed: 09/26/2012 14:34
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 2(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 49849
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	13.5		5.0	0.65
7005-72-3	4-Chlorophenyl phenyl ether	14.9		1.0	0.050
106-44-5	Methylphenol, 3 & 4	30.6		1.0	0.090
534-52-1	4,6-Dinitro-2-methylphenol	13.7		5.0	0.22
106-47-8	4-Chloroaniline	15.3		1.0	0.089
59-50-7	4-Chloro-3-methylphenol	14.6		1.0	0.075
101-55-3	4-Bromophenyl phenyl ether	15.2		1.0	0.064
53-70-3	Dibenz(a,h)anthracene	12.8		0.20	0.016
132-64-9	Dibenzofuran	14.1		1.0	0.062
84-74-2	Di-n-butyl phthalate	13.8		1.0	0.12
84-66-2	Diethyl phthalate	14.3		1.0	0.15
131-11-3	Dimethyl phthalate	14.4		1.0	0.077
117-84-0	Di-n-octyl phthalate	17.0		1.0	0.21
91-94-1	3,3'-Dichlorobenzidine	15.5		1.0	0.11
99-09-2	3-Nitroaniline	14.4		5.0	0.32
206-44-0	Fluoranthene	13.6		0.20	0.016
86-73-7	Fluorene	14.9		0.20	0.022
118-74-1	Hexachlorobenzene	15.7		0.20	0.018
87-68-3	Hexachlorobutadiene	14.0		0.20	0.017
77-47-4	Hexachlorocyclopentadiene	15.9		1.0	0.052
67-72-1	Hexachloroethane	13.8		1.0	0.063
193-39-5	Indeno[1,2,3-cd]pyrene	13.7		0.20	0.020
78-59-1	Isophorone	15.2		1.0	0.064
91-20-3	Naphthalene	14.1		0.20	0.014
98-95-3	Nitrobenzene	14.2		2.0	0.084
86-30-6	N-Nitrosodiphenylamine	15.0		1.0	0.085
621-64-7	N-Nitrosodi-n-propylamine	14.6		0.20	0.031
129-00-0	Pyrene	16.8		0.20	0.016
108-95-2	Phenol	13.3		0.20	0.058
85-01-8	Phenanthrene	14.6		0.20	0.043
87-86-5	Pentachlorophenol	11.7		1.0	0.066
123-91-1	1,4-Dioxane	13.8		2.0	0.14

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 180-49519/2-A
Matrix: Water
Lab File ID: V0960015.D
Analysis Method: 8270C LL
Date Collected:
Extract. Method: 3520C
Date Extracted: 09/25/2012 05:31
Sample wt/vol: 1000(mL)
Date Analyzed: 09/26/2012 14:34
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 2(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 49849
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	86		16-122
321-60-8	2-Fluorobiphenyl	74		19-107
367-12-4	2-Fluorophenol	76		10-111
4165-60-0	Nitrobenzene-d5	75		23-112
4165-62-2	Phenol-d5	78		15-112
1718-51-0	Terphenyl-d14	94		10-132

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV092612.b\V0960015.D
Lab Smp Id: LCS 180-49519/2-A
Inj Date : 26-SEP-2012 14:34
Operator : 003200 Inst ID: 731.i
Smp Info : LCS 180-49519/2-A
Misc Info : TV092612.b,T8270ll.m,padepi.sub
Comment :
Method : \\PITSVR06\D\chem\731.i\TV092612.b\T8270ll.m
Meth Date : 26-Sep-2012 13:25 piccolinov Quant Type: ISTD
Cal Date : 12-SEP-2012 13:48 Cal File: V0912IC8.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: padepi.sub
Target Version: 4.14
Processing Host: PITPC-502

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 1 1,4-Dichlorobenzene-d4	152	4.575	4.580	(1.000)	189040	8.00000	
* 2 Naphthalene-d8	136	5.553	5.552	(1.000)	750189	8.00000	
* 3 Acenaphthene-d10	164	6.899	6.899	(1.000)	446766	8.00000	
* 4 Phenanthrene-d10	188	8.042	8.042	(1.000)	742040	8.00000	
* 5 Chrysene-d12	240	10.104	10.093	(1.000)	563784	8.00000	
* 6 Perylene-d12	264	11.525	11.514	(1.000)	527995	8.00000	
198 1,4-Dioxane	88	1.461	1.466	(0.319)	205119	27.6724	27.672
10 N-Nitrosodimethylamine	74	1.952	1.968	(0.427)	319562	30.1383	30.138
9 Pyridine	79	1.984	2.000	(0.434)	591634	30.7874	30.787
16 Methyl methanesulfonate	80	3.400	3.399	(0.743)	31364	2.67455	2.6746
206 Benzaldehyde	77	4.233	4.233	(0.925)	283582	19.3506	19.351
21 Aniline	93	4.324	4.324	(0.945)	1121606	31.3771	31.377
22 Phenol	94	4.324	4.324	(0.945)	975393	26.6561	26.656
23 bis(2-Chloroethyl)ether	93	4.378	4.377	(0.957)	684700	27.4572	27.457
24 2-Chlorophenol	128	4.415	4.420	(0.965)	915441	28.7437	28.744
26 1,3-Dichlorobenzene	146	4.533	4.537	(0.991)	1056654	27.7683	27.768
27 1,4-Dichlorobenzene	146	4.591	4.591	(1.004)	1099925	28.2217	28.222
28 1,2-Dichlorobenzene	146	4.709	4.708	(1.029)	1037071	27.5795	27.580
217 Indene	116	4.773	4.778	(1.043)	1428281	28.4171	28.417
29 Benzyl Alcohol	108	4.688	4.687	(1.025)	349039	18.4667	18.467
30 2-Methylphenol	108	4.784	4.778	(1.046)	726435	26.7046	26.704
31 2,2'-oxybis(1-Chloropropane)	45	4.789	4.794	(1.047)	980411	27.3528	27.353
37 Acetophenone	105	4.885	4.885	(1.068)	1109975	29.5708	29.571
32 N-Nitroso-di-n-propylamine	70	4.891	4.885	(1.069)	516971	29.2826	29.283
192 4-Methylphenol	108	4.896	4.895	(1.070)	1612284	61.2358	61.236
34 Hexachloroethane	117	4.965	4.970	(1.085)	426197	27.5433	27.543
35 Nitrobenzene	77	5.013	5.013	(0.903)	828593	28.4414	28.441
36 N-Nitrosopyrrolidine	100	4.864	4.858	(1.063)	354206	32.1872	32.187

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
41 Isophorone	82	5.195	5.194	(0.936)	1453318	30.4051	30.405
42 2-Nitrophenol	139	5.259	5.258	(0.947)	536379	29.9020	29.902
43 2,4-Dimethylphenol	107	5.297	5.296	(0.954)	871000	30.0743	30.074
44 bis(2-Chloroethoxy)methane	93	5.361	5.360	(0.965)	891745	28.8012	28.801
48 2,4-Dichlorophenol	162	5.446	5.445	(0.981)	809883	29.4430	29.443
49 Benzoic Acid	122	5.366	5.349	(0.966)	474135	25.2974	25.297(M)
50 1,2,4-Trichlorobenzene	180	5.510	5.510	(0.992)	963442	28.5290	28.529
51 Naphthalene	128	5.569	5.568	(1.003)	2719305	28.2025	28.202
52 4-Chloroaniline	127	5.606	5.606	(1.010)	1131188	30.5454	30.545
54 2,6-Dichlorophenol	162	5.617	5.616	(1.012)	762027	29.2979	29.298
56 Hexachlorobutadiene	225	5.670	5.670	(1.021)	538457	27.9938	27.994
208 Caprolactam	113	5.868	5.846	(1.057)	216520	30.6115	30.612
59 4-Chloro-3-Methylphenol	107	5.980	5.980	(1.077)	713449	29.1369	29.137
62 2-Methylnaphthalene	142	6.098	6.097	(1.098)	1918909	29.3357	29.336
63 1-Methylnaphthalene	142	6.173	6.172	(1.112)	1796271	29.2618	29.262
64 Hexachlorocyclopentadiene	237	6.226	6.225	(0.902)	701257	31.7206	31.721
65 1,2,4,5-Tetrachlorobenzene	216	6.226	6.231	(0.902)	953758	28.5042	28.504
66 2,4,6-Trichlorophenol	196	6.312	6.316	(0.915)	664207	29.2475	29.248
67 2,4,5-Trichlorophenol	196	6.344	6.343	(0.919)	668388	27.4863	27.486
209 1,1'-Biphenyl	154	6.450	6.455	(0.935)	2371102	28.4782	28.478
70 2-Chloronaphthalene	162	6.472	6.471	(0.938)	1930526	28.2452	28.245
73 2-Nitroaniline	65	6.541	6.541	(0.948)	442916	27.7932	27.793
76 Dimethylphthalate	163	6.680	6.679	(0.968)	2024349	28.8442	28.844
78 2,6-Dinitrotoluene	165	6.728	6.728	(0.975)	460821	29.8239	29.824
79 Acenaphthylene	152	6.792	6.792	(0.985)	3138282	31.2230	31.223
81 3-Nitroaniline	138	6.856	6.856	(0.994)	505011	28.7986	28.799
82 Acenaphthene	153	6.926	6.925	(1.004)	1879839	28.7843	28.784
83 2,4-Dinitrophenol	184	6.937	6.936	(1.005)	266106	26.7418	26.742
85 4-Nitrophenol	109	6.985	6.984	(1.012)	242223	27.0169	27.017
86 Dibenzofuran	168	7.054	7.059	(1.022)	2671968	28.1531	28.153
87 2,4-Dinitrotoluene	165	7.038	7.037	(1.020)	614352	29.3911	29.391
91 2,3,5,6-Tetrachlorophenol	232	7.118	7.118	(1.032)	561442	30.4304	30.430
88 2,3,4,6-Tetrachlorophenol	232	7.150	7.150	(1.036)	549033	29.9088	29.909
92 2-Naphthylamine	143	7.172	7.171	(1.039)	1226467	65.1562	65.156
93 Diethylphthalate	149	7.220	7.219	(1.046)	1996755	28.6091	28.609
94 Fluorene	166	7.321	7.321	(1.061)	2259337	29.7416	29.742
95 4-Chlorophenyl-phenylether	204	7.316	7.315	(1.060)	1097601	29.7084	29.708
96 4-Nitroaniline	138	7.327	7.326	(1.062)	505965	27.5351	27.535
98 4,6-Dinitro-2-methylphenol	198	7.353	7.347	(0.914)	358040	27.3204	27.320
99 N-Nitrosodiphenylamine (1)	169	7.401	7.401	(0.920)	1467063	29.9529	29.953
100 1,2-Diphenylhydrazine	77	7.433	7.433	(0.924)	1781847	27.0229	27.023
106 4-Bromophenyl-phenylether	248	7.690	7.689	(0.956)	624782	30.4708	30.471
107 Hexachlorobenzene	284	7.754	7.753	(0.964)	647057	31.4327	31.433
210 Atrazine	200	7.802	7.801	(0.970)	538403	48.9584	48.958
111 Pentachlorophenol	266	7.898	7.897	(0.982)	350894	23.4020	23.402
115 Phenanthrene	178	8.064	8.063	(1.003)	3155355	29.1666	29.166
116 Anthracene	178	8.101	8.101	(1.007)	3104035	28.2947	28.295
119 Carbazole	167	8.219	8.218	(1.022)	2500494	26.4625	26.462
120 Di-n-Butylphthalate	149	8.464	8.469	(1.052)	3229007	27.5021	27.502
123 Fluoranthene	202	8.983	8.982	(1.117)	3069339	27.2596	27.260
124 Benzidine	184	9.068	9.067	(0.897)	574531	26.3625	26.362
125 Pyrene	202	9.159	9.158	(0.906)	2994786	33.5285	33.528
131 Butylbenzylphthalate	149	9.624	9.618	(0.952)	1233392	31.9071	31.907
135 3,3'-Dichlorobenzidine	252	10.062	10.045	(0.996)	871379	31.0198	31.020

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
136 Benzo(a)Anthracene	228	10.099	10.082	(0.999)	2542170	30.9807	30.981
137 Chrysene	228	10.126	10.114	(1.002)	2422292	31.7206	31.720
139 bis(2-ethylhexyl)Phthalate	149	10.062	10.050	(0.996)	1743281	31.8378	31.838
140 Di-n-octylphthalate	149	10.607	10.590	(0.920)	2944589	33.9384	33.938
141 Benzo(b)fluoranthene	252	11.098	11.081	(0.963)	2541958	29.5159	29.516
142 Benzo(k)fluoranthene	252	11.130	11.108	(0.966)	2469792	28.7607	28.761
143 7,12-dimethylbenz[a]anthracen	256	11.082	11.065	(0.962)	1088862	30.3073	30.307
146 Benzo(a)pyrene	252	11.467	11.445	(0.995)	2032122	31.4726	31.473
149 Indeno(1,2,3-cd)pyrene	276	12.962	12.946	(1.125)	2164716	27.3538	27.354
150 Dibenz(a,h)anthracene	278	12.973	12.956	(1.126)	1730572	25.6329	25.633
151 Benzo(g,h,i)perylene	276	13.401	13.379	(1.163)	1931655	29.0807	29.081
$ 154 Nitrobenzene-d5	82	4.997	4.997	(0.900)	863040	30.0535	30.054
$ 155 2-Fluorobiphenyl	172	6.376	6.375	(0.924)	2197470	29.7447	29.745
$ 156 Terphenyl-d14	244	9.260	9.260	(0.916)	2037428	37.6923	37.692
$ 157 Phenol-d5	99	4.314	4.313	(0.943)	1455145	46.9482	46.948
$ 158 2-Fluorophenol	112	3.566	3.565	(0.779)	1146022	45.4070	45.407
$ 159 2,4,6-Tribromophenol	330	7.508	7.508	(0.934)	442186	51.3110	51.311
$ 186 2-Chlorophenol-d4	132	4.404	4.404	(0.963)	1438896	44.8904	44.890
$ 187 1,2-Dichlorobenzene-d4	152	4.698	4.698	(1.027)	680974	29.7365	29.736

QC Flag Legend

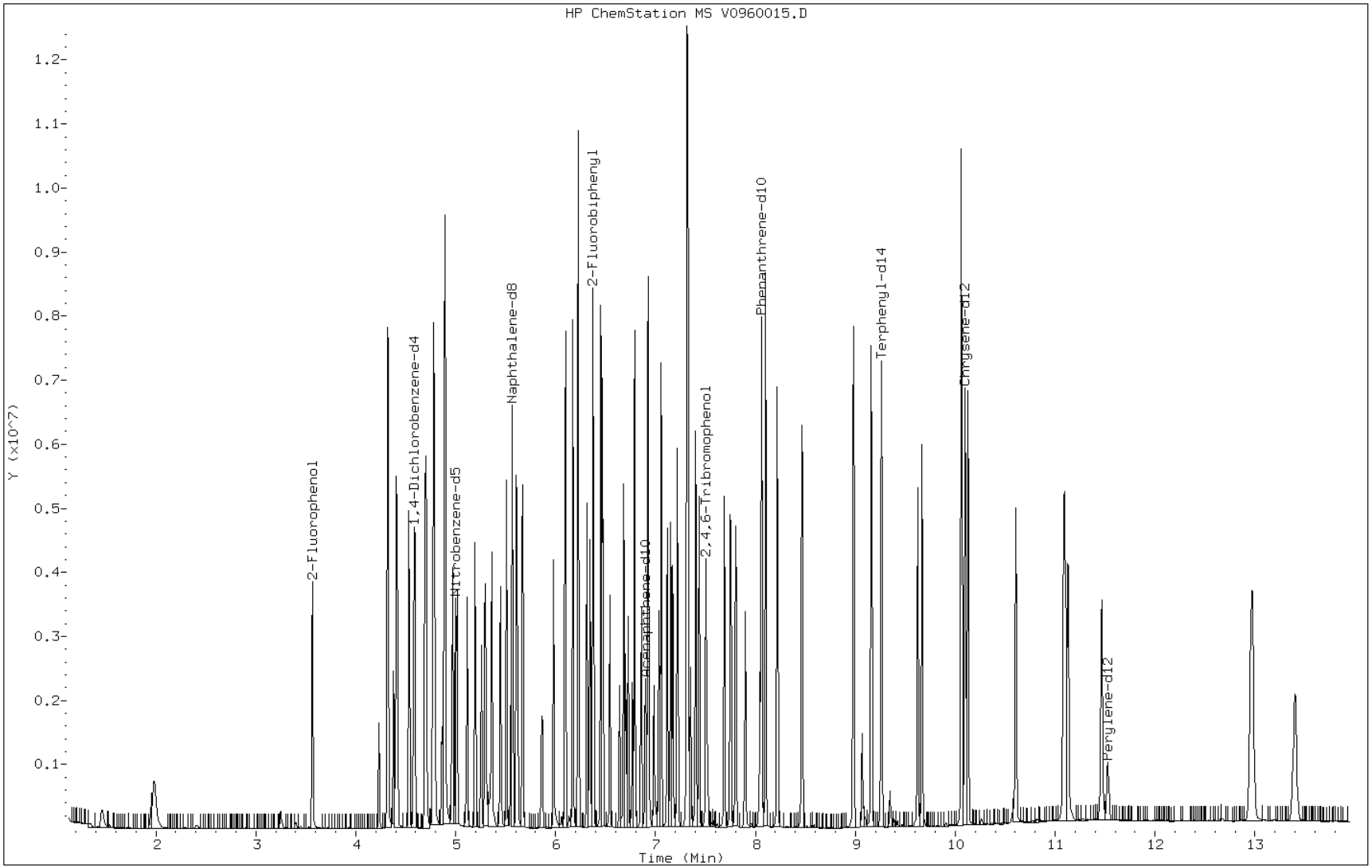
M - Compound response manually integrated.

Data File: V0960015.D

Date: 26-SEP-2012 14:34

Client ID: Instrument: 731.i

Sample Info: LCS 180-49519/2-A Operator: 003200



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 180-49519/3-A

Matrix: Water | Lab File ID: V0960016.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3520C | Date Extracted: 09/25/2012 05:31

Sample wt/vol: 1000(mL) | Date Analyzed: 09/26/2012 14:57

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49849 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	14.1		0.20	0.014
208-96-8	Acenaphthylene	15.1		0.20	0.015
98-86-2	Acetophenone	15.0		1.0	0.080
120-12-7	Anthracene	14.1		0.20	0.15
1912-24-9	Atrazine	24.0		1.0	0.089
100-52-7	Benzaldehyde	9.51		1.0	0.15
56-55-3	Benzo[a]anthracene	15.6		0.20	0.015
205-99-2	Benzo[b]fluoranthene	14.7		0.20	0.016
207-08-9	Benzo[k]fluoranthene	14.9		0.20	0.055
191-24-2	Benzo[g,h,i]perylene	14.9		0.20	0.015
50-32-8	Benzo[a]pyrene	15.8		0.20	0.013
111-91-1	Bis(2-chloroethoxy)methane	14.7		1.0	0.058
111-44-4	Bis(2-chloroethyl)ether	13.7		0.20	0.025
117-81-7	Bis(2-ethylhexyl) phthalate	16.0		2.0	1.3
85-68-7	Butyl benzyl phthalate	16.0		1.0	0.14
92-52-4	1,1'-Biphenyl	14.0		1.0	0.042
105-60-2	Caprolactam	15.7		5.0	1.2
86-74-8	Carbazole	12.8		0.20	0.016
218-01-9	Chrysene	16.3		0.20	0.014
91-58-7	2-Chloronaphthalene	14.0		0.20	0.015
95-57-8	2-Chlorophenol	14.3		1.0	0.17
120-83-2	2,4-Dichlorophenol	14.7		0.20	0.033
105-67-9	2,4-Dimethylphenol	14.4		1.0	0.085
51-28-5	2,4-Dinitrophenol	11.1		5.0	0.61
121-14-2	2,4-Dinitrotoluene	13.9		1.0	0.054
606-20-2	2,6-Dinitrotoluene	14.8		1.0	0.080
91-57-6	2-Methylnaphthalene	14.6		0.20	0.012
95-48-7	2-Methylphenol	13.6		1.0	0.086
88-74-4	2-Nitroaniline	13.5		5.0	0.35
88-75-5	2-Nitrophenol	15.0		1.0	0.17
108-60-1	2,2'-oxybis[1-chloropropane]	13.4		0.20	0.020
95-95-4	2,4,5-Trichlorophenol	12.4		1.0	0.15
88-06-2	2,4,6-Trichlorophenol	13.9		1.0	0.17
100-01-6	4-Nitroaniline	13.4		5.0	0.17

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 180-49519/3-A
Matrix: Water
Lab File ID: V0960016.D
Analysis Method: 8270C LL
Date Collected:
Extract. Method: 3520C
Date Extracted: 09/25/2012 05:31
Sample wt/vol: 1000(mL)
Date Analyzed: 09/26/2012 14:57
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 2(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 49849
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	11.5		5.0	0.65
7005-72-3	4-Chlorophenyl phenyl ether	14.3		1.0	0.050
106-44-5	Methylphenol, 3 & 4	30.7		1.0	0.090
534-52-1	4,6-Dinitro-2-methylphenol	12.9		5.0	0.22
106-47-8	4-Chloroaniline	15.3		1.0	0.089
59-50-7	4-Chloro-3-methylphenol	14.8		1.0	0.075
101-55-3	4-Bromophenyl phenyl ether	15.3		1.0	0.064
53-70-3	Dibenz(a,h)anthracene	12.9		0.20	0.016
132-64-9	Dibenzofuran	13.8		1.0	0.062
84-74-2	Di-n-butyl phthalate	13.9		1.0	0.12
84-66-2	Diethyl phthalate	14.0		1.0	0.15
131-11-3	Dimethyl phthalate	14.1		1.0	0.077
117-84-0	Di-n-octyl phthalate	16.8		1.0	0.21
91-94-1	3,3'-Dichlorobenzidine	15.3		1.0	0.11
99-09-2	3-Nitroaniline	14.0		5.0	0.32
206-44-0	Fluoranthene	13.7		0.20	0.016
86-73-7	Fluorene	14.3		0.20	0.022
118-74-1	Hexachlorobenzene	16.0		0.20	0.018
87-68-3	Hexachlorobutadiene	14.3		0.20	0.017
77-47-4	Hexachlorocyclopentadiene	15.8		1.0	0.052
67-72-1	Hexachloroethane	13.7		1.0	0.063
193-39-5	Indeno[1,2,3-cd]pyrene	14.0		0.20	0.020
78-59-1	Isophorone	15.1		1.0	0.064
91-20-3	Naphthalene	14.4		0.20	0.014
98-95-3	Nitrobenzene	13.9		2.0	0.084
86-30-6	N-Nitrosodiphenylamine	15.5		1.0	0.085
621-64-7	N-Nitrosodi-n-propylamine	15.0		0.20	0.031
129-00-0	Pyrene	17.3		0.20	0.016
108-95-2	Phenol	13.4		0.20	0.058
85-01-8	Phenanthrene	14.9		0.20	0.043
87-86-5	Pentachlorophenol	9.94		1.0	0.066
123-91-1	1,4-Dioxane	13.5		2.0	0.14

FORM I

GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 180-49519/3-A

Matrix: Water | Lab File ID: V0960016.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3520C | Date Extracted: 09/25/2012 05:31

Sample wt/vol: 1000(mL) | Date Analyzed: 09/26/2012 14:57

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 49849 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	81		16-122
321-60-8	2-Fluorobiphenyl	73		19-107
367-12-4	2-Fluorophenol	75		10-111
4165-60-0	Nitrobenzene-d5	73		23-112
4165-62-2	Phenol-d5	76		15-112
1718-51-0	Terphenyl-d14	96		10-132

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV092612.b\V0960016.D
Lab Smp Id: LCSD 180-49519/3-A
Inj Date : 26-SEP-2012 14:57
Operator : 003200 Inst ID: 731.i
Smp Info : LCSD 180-49519/3-A
Misc Info : TV092612.b,T8270ll.m,padepi.sub
Comment :
Method : \\PITSVR06\D\chem\731.i\TV092612.b\T8270ll.m
Meth Date : 26-Sep-2012 13:25 piccolinov Quant Type: ISTD
Cal Date : 12-SEP-2012 13:48 Cal File: V0912IC8.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: padepi.sub
Target Version: 4.14
Processing Host: PITPC-502

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 1 1,4-Dichlorobenzene-d4	152	4.569	4.580	(1.000)	203087	8.00000	
* 2 Naphthalene-d8	136	5.547	5.552	(1.000)	799486	8.00000	
* 3 Acenaphthene-d10	164	6.893	6.899	(1.000)	489271	8.00000	
* 4 Phenanthrene-d10	188	8.036	8.042	(1.000)	779727	8.00000	
* 5 Chrysene-d12	240	10.098	10.093	(1.000)	573549	8.00000	
* 6 Perylene-d12	264	11.514	11.514	(1.000)	547073	8.00000	
198 1,4-Dioxane	88	1.465	1.466	(0.321)	215042	27.0045	27.004
10 N-Nitrosodimethylamine	74	1.957	1.968	(0.428)	329297	28.9083	28.908
9 Pyridine	79	1.984	2.000	(0.434)	621443	30.1018	30.102
16 Methyl methanesulfonate	80	3.394	3.399	(0.743)	33326	2.64530	2.6453
206 Benzaldehyde	77	4.227	4.233	(0.925)	299442	19.0196	19.020
21 Aniline	93	4.318	4.324	(0.945)	1190189	30.9928	30.993
22 Phenol	94	4.318	4.324	(0.945)	1050788	26.7303	26.730
23 bis(2-Chloroethyl)ether	93	4.371	4.377	(0.957)	735242	27.4446	27.445
24 2-Chlorophenol	128	4.409	4.420	(0.965)	979514	28.6282	28.628
26 1,3-Dichlorobenzene	146	4.526	4.537	(0.991)	1134388	27.7492	27.749
27 1,4-Dichlorobenzene	146	4.585	4.591	(1.004)	1150799	27.4848	27.485
28 1,2-Dichlorobenzene	146	4.703	4.708	(1.029)	1111933	27.5251	27.525
217 Indene	116	4.767	4.778	(1.043)	1521319	28.1746	28.175
29 Benzyl Alcohol	108	4.681	4.687	(1.025)	283687	13.9710	13.971
30 2-Methylphenol	108	4.777	4.778	(1.046)	795015	27.2042	27.204
31 2,2'-oxybis(1-Chloropropane)	45	4.783	4.794	(1.047)	1031839	26.7965	26.796
37 Acetophenone	105	4.879	4.885	(1.068)	1209293	29.9884	29.988
32 N-Nitroso-di-n-propylamine	70	4.884	4.885	(1.069)	567769	29.9355	29.936
192 4-Methylphenol	108	4.890	4.895	(1.070)	1737164	61.4152	61.415
34 Hexachloroethane	117	4.959	4.970	(1.085)	454495	27.3405	27.340
35 Nitrobenzene	77	5.007	5.013	(0.903)	860256	27.7074	27.707
36 N-Nitrosopyrrolidine	100	4.858	4.858	(1.063)	384578	32.5299	32.530

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
41 Isophorone	82	5.189	5.194	(0.935)	1543207	30.2949	30.295
42 2-Nitrophenol	139	5.253	5.258	(0.947)	573911	30.0216	30.022
43 2,4-Dimethylphenol	107	5.290	5.296	(0.954)	890665	28.8570	28.857
44 bis(2-Chloroethoxy)methane	93	5.354	5.360	(0.965)	971244	29.4346	29.434
48 2,4-Dichlorophenol	162	5.440	5.445	(0.981)	864727	29.4985	29.498
49 Benzoic Acid	122	5.365	5.349	(0.967)	524826	26.2754	26.275(M)
50 1,2,4-Trichlorobenzene	180	5.504	5.510	(0.992)	1033220	28.7087	28.709
51 Naphthalene	128	5.563	5.568	(1.003)	2961732	28.8227	28.823
52 4-Chloroaniline	127	5.600	5.606	(1.010)	1206148	30.5612	30.561
54 2,6-Dichlorophenol	162	5.611	5.616	(1.012)	760321	27.4298	27.430
56 Hexachlorobutadiene	225	5.664	5.670	(1.021)	585110	28.5435	28.544
208 Caprolactam	113	5.862	5.846	(1.057)	237272	31.4770	31.477
59 4-Chloro-3-Methylphenol	107	5.974	5.980	(1.077)	774997	29.6989	29.699
62 2-Methylnaphthalene	142	6.092	6.097	(1.098)	2036514	29.2139	29.214
63 1-Methylnaphthalene	142	6.166	6.172	(1.112)	1957903	29.9282	29.928
64 Hexachlorocyclopentadiene	237	6.220	6.225	(0.902)	764294	31.5686	31.569
65 1,2,4,5-Tetrachlorobenzene	216	6.220	6.231	(0.902)	1042742	28.4563	28.456
66 2,4,6-Trichlorophenol	196	6.305	6.316	(0.915)	691922	27.8211	27.821
67 2,4,5-Trichlorophenol	196	6.337	6.343	(0.919)	660270	24.7936	24.794
209 1,1'-Biphenyl	154	6.444	6.455	(0.935)	2558039	28.0543	28.054
70 2-Chloronaphthalene	162	6.466	6.471	(0.938)	2097076	28.0165	28.016
73 2-Nitroaniline	65	6.535	6.541	(0.948)	469690	26.9128	26.913
76 Dimethylphthalate	163	6.674	6.679	(0.968)	2166335	28.1857	28.186
78 2,6-Dinitrotoluene	165	6.717	6.728	(0.974)	499813	29.5373	29.537
79 Acenaphthylene	152	6.781	6.792	(0.984)	3333023	30.2797	30.280
81 3-Nitroaniline	138	6.850	6.856	(0.994)	536725	27.9482	27.948
82 Acenaphthene	153	6.920	6.925	(1.004)	2023258	28.2889	28.289
83 2,4-Dinitrophenol	184	6.930	6.936	(1.005)	241011	22.1159	22.116
85 4-Nitrophenol	109	6.978	6.984	(1.012)	226239	23.0419	23.042
86 Dibenzofuran	168	7.048	7.059	(1.022)	2877620	27.6859	27.686
87 2,4-Dinitrotoluene	165	7.026	7.037	(1.019)	634873	27.7342	27.734
91 2,3,5,6-Tetrachlorophenol	232	7.112	7.118	(1.032)	566378	28.0311	28.031
88 2,3,4,6-Tetrachlorophenol	232	7.144	7.150	(1.036)	536855	26.7047	26.705
92 2-Naphthylamine	143	7.165	7.171	(1.040)	1305844	62.5796	62.580
93 Diethylphthalate	149	7.213	7.219	(1.046)	2139045	27.9853	27.985
94 Fluorene	166	7.315	7.321	(1.061)	2386710	28.6889	28.689
95 4-Chlorophenyl-phenylether	204	7.304	7.315	(1.060)	1156015	28.5713	28.571
96 4-Nitroaniline	138	7.320	7.326	(1.062)	539736	26.8212	26.821
98 4,6-Dinitro-2-methylphenol	198	7.342	7.347	(0.914)	354294	25.7279	25.728
99 N-Nitrosodiphenylamine (1)	169	7.395	7.401	(0.920)	1590374	30.9011	30.901
100 1,2-Diphenylhydrazine	77	7.427	7.433	(0.924)	1929962	27.8544	27.854
106 4-Bromophenyl-phenylether	248	7.684	7.689	(0.956)	660749	30.6674	30.667
107 Hexachlorobenzene	284	7.742	7.753	(0.963)	690411	31.9177	31.918
210 Atrazine	200	7.796	7.801	(0.970)	556241	47.9792	47.979
111 Pentachlorophenol	266	7.892	7.897	(0.982)	313254	19.8819	19.882
115 Phenanthrene	178	8.058	8.063	(1.003)	3383468	29.7635	29.763
116 Anthracene	178	8.095	8.101	(1.007)	3243451	28.1365	28.136
119 Carbazole	167	8.212	8.218	(1.022)	2546526	25.6471	25.647
120 Di-n-Butylphthalate	149	8.458	8.469	(1.053)	3418459	27.7085	27.708
123 Fluoranthene	202	8.971	8.982	(1.116)	3251186	27.4791	27.479
124 Benzidine	184	9.062	9.067	(0.897)	614208	27.7033	27.703
125 Pyrene	202	9.153	9.158	(0.906)	3145532	34.6166	34.616
131 Butylbenzylphthalate	149	9.617	9.618	(0.952)	1254801	31.9082	31.908
135 3,3'-Dichlorobenzidine	252	10.055	10.045	(0.996)	873807	30.5767	30.577

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
136 Benzo(a)Anthracene	228	10.093	10.082	(0.999)	2605843	31.2160	31.216
137 Chrysene	228	10.120	10.114	(1.002)	2533034	32.6060	32.606
139 bis(2-ethylhexyl)Phthalate	149	10.055	10.050	(0.996)	1784775	32.0407	32.041
140 Di-n-octylphthalate	149	10.595	10.590	(0.920)	3015254	33.5409	33.541
141 Benzo(b)fluoranthene	252	11.092	11.081	(0.963)	2626876	29.4383	29.438
142 Benzo(k)fluoranthene	252	11.119	11.108	(0.966)	2649235	29.7745	29.774
143 7,12-dimethylbenz[a]anthracen	256	11.076	11.065	(0.962)	1134311	30.4713	30.471
146 Benzo(a)pyrene	252	11.455	11.445	(0.995)	2120246	31.6923	31.692
149 Indeno(1,2,3-cd)pyrene	276	12.951	12.946	(1.125)	2303711	28.0950	28.095
150 Dibenz(a,h)anthracene	278	12.956	12.956	(1.125)	1801276	25.7498	25.750
151 Benzo(g,h,i)perylene	276	13.378	13.379	(1.162)	2051132	29.8026	29.802
$ 154 Nitrobenzene-d5	82	4.991	4.997	(0.900)	894709	29.2352	29.235
$ 155 2-Fluorobiphenyl	172	6.369	6.375	(0.924)	2370447	29.2986	29.299
$ 156 Terphenyl-d14	244	9.254	9.260	(0.916)	2111229	38.3927	38.393
$ 157 Phenol-d5	99	4.313	4.313	(0.944)	1514212	45.4748	45.475
$ 158 2-Fluorophenol	112	3.559	3.565	(0.779)	1213422	44.7521	44.752
$ 159 2,4,6-Tribromophenol	330	7.502	7.508	(0.934)	441437	48.7482	48.748
$ 186 2-Chlorophenol-d4	132	4.398	4.404	(0.963)	1514464	43.9800	43.980
$ 187 1,2-Dichlorobenzene-d4	152	4.692	4.698	(1.027)	734137	29.8406	29.841

QC Flag Legend

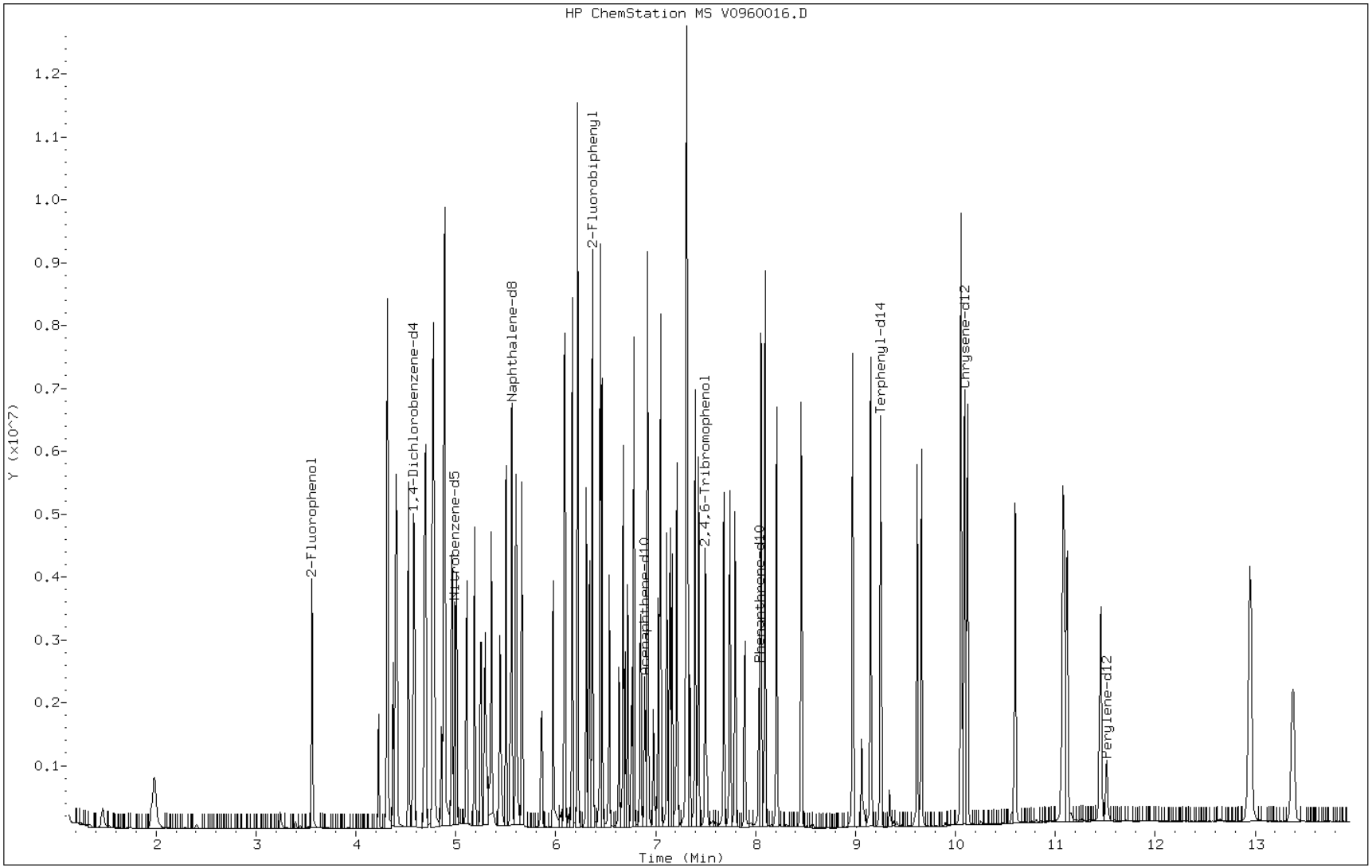
M - Compound response manually integrated.

Data File: V0960016.D

Date: 26-SEP-2012 14:57

Client ID: Instrument: 731.i

Sample Info: LCSD 180-49519/3-A Operator: 003200



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Instrument ID: 731 Start Date: 09/12/2012 10:22

Analysis Batch Number: 48209 End Date: 09/12/2012 14:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 180-48209/2		09/12/2012 10:22	1	V0912DF1.D	Rxi-5SilMS 0.32(mm)
ICIS 180-48209/1		09/12/2012 11:01	1	V09120CC.D	Rxi-5SilMS 0.32(mm)
IC 180-48209/3		09/12/2012 11:24	1	V0912IC1.D	Rxi-5SilMS 0.32(mm)
IC 180-48209/4		09/12/2012 11:47	1	V0912IC2.D	Rxi-5SilMS 0.32(mm)
IC 180-48209/5		09/12/2012 12:11	1	V0912IC4.D	Rxi-5SilMS 0.32(mm)
IC 180-48209/6		09/12/2012 12:34	1	V0912IC5.D	Rxi-5SilMS 0.32(mm)
IC 180-48209/7		09/12/2012 12:58	1	V0912IC6.D	Rxi-5SilMS 0.32(mm)
IC 180-48209/8		09/12/2012 13:23	1	V0912IC7.D	Rxi-5SilMS 0.32(mm)
IC 180-48209/9		09/12/2012 13:48	1	V0912IC8.D	Rxi-5SilMS 0.32(mm)
ICV 180-48209/10		09/12/2012 14:13	1		Rxi-5SilMS 0.32(mm)
ICV 180-48209/11		09/12/2012 14:38	1		Rxi-5SilMS 0.32(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Instrument ID: 731 Start Date: 09/26/2012 12:40

Analysis Batch Number: 49849 End Date: 09/26/2012 23:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 180-49849/2		09/26/2012 12:40	1	V0926DF1.D	Rxi-5SilMS 0.32(mm)
CCVIS 180-49849/1		09/26/2012 13:01	1	V09260CC.D	Rxi-5SilMS 0.32(mm)
MB 180-49519/1-A		09/26/2012 13:47	1	V0960014.D	Rxi-5SilMS 0.32(mm)
LCS 180-49519/2-A		09/26/2012 14:34	1	V0960015.D	Rxi-5SilMS 0.32(mm)
LCSD 180-49519/3-A		09/26/2012 14:57	1	V0960016.D	Rxi-5SilMS 0.32(mm)
ZZZZZ		09/26/2012 16:57	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		09/26/2012 17:21	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		09/26/2012 17:45	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		09/26/2012 18:09	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		09/26/2012 18:33	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		09/26/2012 18:57	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		09/26/2012 19:21	1		Rxi-5SilMS 0.32(mm)
180-14634-2	MW-104	09/26/2012 19:45	25	V0960017.D	Rxi-5SilMS 0.32(mm)
180-14634-3	MW-105	09/26/2012 20:09	1	V0960018.D	Rxi-5SilMS 0.32(mm)
180-14634-4	MW-109	09/26/2012 20:33	1	V0960019.D	Rxi-5SilMS 0.32(mm)
180-14634-6	MW-101	09/26/2012 21:21	1	V0960021.D	Rxi-5SilMS 0.32(mm)
180-14634-7	MW-102	09/26/2012 21:44	1	V0960022.D	Rxi-5SilMS 0.32(mm)
180-14634-11	TMP-5	09/26/2012 22:32	1	V0960024.D	Rxi-5SilMS 0.32(mm)
180-14634-12	FB-2	09/26/2012 22:55	1	V0960025.D	Rxi-5SilMS 0.32(mm)
180-14634-13	TMP-3	09/26/2012 23:19	1	V0960026.D	Rxi-5SilMS 0.32(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Instrument ID: 731 Start Date: 09/27/2012 10:57

Analysis Batch Number: 50044 End Date: 09/27/2012 22:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 180-50044/27		09/27/2012 10:57	1	V0927DF1.D	Rxi-5SilMS 0.32(mm)
CCVIS 180-50044/26		09/27/2012 11:18	1	V09270CC.D	Rxi-5SilMS 0.32(mm)
ZZZZZ		09/27/2012 12:51	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		09/27/2012 13:14	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		09/27/2012 13:38	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		09/27/2012 14:03	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		09/27/2012 14:27	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		09/27/2012 14:52	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		09/27/2012 15:16	1		Rxi-5SilMS 0.32(mm)
180-14634-3 DL	MW-105 DL	09/27/2012 15:41	10	V0927001.D	Rxi-5SilMS 0.32(mm)
180-14634-5	MW-114	09/27/2012 16:05	20	V0927002.D	Rxi-5SilMS 0.32(mm)
180-14634-8	MW-106	09/27/2012 16:30	5	V0927003.D	Rxi-5SilMS 0.32(mm)
ZZZZZ		09/27/2012 16:54	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		09/27/2012 17:19	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		09/27/2012 17:44	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		09/27/2012 18:08	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		09/27/2012 18:33	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		09/27/2012 18:57	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		09/27/2012 19:22	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		09/27/2012 19:46	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		09/27/2012 20:11	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		09/27/2012 20:35	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		09/27/2012 21:00	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		09/27/2012 21:25	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		09/27/2012 21:49	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		09/27/2012 22:14	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		09/27/2012 22:38	1		Rxi-5SilMS 0.32(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Batch Number: 49519 Batch Start Date: 09/25/12 07:55 Batch Analyst: Trout, Bill

Batch Method: 3520C Batch End Date: 09/26/12 04:05

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	FirstAdjustpH	OPDODADNLSPKs 00003	OPHC8270SPKs 00026
MB 180-49519/1		3520C, 8270C LL		5	1000 mL	1.0 mL	2		
LCS 180-49519/2		3520C, 8270C LL		5	1000 mL	1.0 mL	2	100 uL	100 uL
LCSD 180-49519/3		3520C, 8270C LL		5	1000 mL	1.0 mL	2	100 uL	100 uL
180-14634-B-2	MW-104	3520C, 8270C LL	T	7	1020 mL	1.0 mL	2		
180-14634-B-3	MW-105	3520C, 8270C LL	T	7	1020 mL	1.0 mL	2		
180-14634-B-4	MW-109	3520C, 8270C LL	T	7	1010 mL	1.0 mL	2		
180-14634-B-5	MW-114	3520C, 8270C LL	T	7	1010 mL	1.0 mL	2		
180-14634-B-6	MW-101	3520C, 8270C LL	T	7	1040 mL	1.0 mL	2		
180-14634-B-7	MW-102	3520C, 8270C LL	T	7	1000 mL	1.0 mL	2		
180-14634-B-8	MW-106	3520C, 8270C LL	T	7	1030 mL	1.0 mL	2		
180-14634-B-11	TMP-5	3520C, 8270C LL	T	7	1000 mL	1.0 mL	2		
180-14634-B-12	FB-2	3520C, 8270C LL	T	5	970 mL	1.0 mL	2		
180-14634-B-13	TMP-3	3520C, 8270C LL	T	7	1010 mL	1.0 mL	2		

Lab Sample ID	Client Sample ID	Method Chain	Basis	OPQL-8270SURi 00037	SVATRAZINEs 00017				
MB 180-49519/1		3520C, 8270C LL		100 uL					
LCS 180-49519/2		3520C, 8270C LL		100 uL	100 uL				
LCSD 180-49519/3		3520C, 8270C LL		100 uL	100 uL				
180-14634-B-2	MW-104	3520C, 8270C LL	T	100 uL					
180-14634-B-3	MW-105	3520C, 8270C LL	T	100 uL					
180-14634-B-4	MW-109	3520C, 8270C LL	T	100 uL					
180-14634-B-5	MW-114	3520C, 8270C LL	T	100 uL					

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Batch Number: 49519 Batch Start Date: 09/25/12 07:55 Batch Analyst: Trout, Bill

Batch Method: 3520C Batch End Date: 09/26/12 04:05

Lab Sample ID	Client Sample ID	Method Chain	Basis	OPQL-8270SURi 00037	SVATRAZINEs 00017				
180-14634-B-6	MW-101	3520C, 8270C LL	T	100 uL					
180-14634-B-7	MW-102	3520C, 8270C LL	T	100 uL					
180-14634-B-8	MW-106	3520C, 8270C LL	T	100 uL					
180-14634-B-11	TMP-5	3520C, 8270C LL	T	100 uL					
180-14634-B-12	FB-2	3520C, 8270C LL	T	100 uL					
180-14634-B-13	TMP-3	3520C, 8270C LL	T	100 uL					

Batch Notes	
Acid used for pH adjustment	1:1 Sulfuric acid
Acid used for pH adjust Lot #	506755
Person's name who did the concentration	cdm
N-evap #	1
Na2SO4 Lot Number	560237
Prep Solvent Lot #	553670
Prep Solvent Name	Methylene chloride
Prep Solvent Volume Used	250 mL
Person's name who did the prep	BT
Uncorrected N-evap Temperature	26 Celsius
Uncorrected Temperature	75 Celsius

Basis	Basis Description
T	Total/NA

Method 8081A Low Level

Organochlorine Pesticides (GC) by Method 8081A Low Level

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): MR-1 ID: 0.53 (mm) GC Column (2): MR-2 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
MW-110	180-14634-9	82	86	88	88
	MB 180-50153/1-A	75	77	65	74
	LCS 180-50153/2-A	83	83	74	81
	LCSD 180-50153/3-A	79	81	77	79

	QC LIMITS
TCX = Tetrachloro-m-xylene	60-111
DCB = DCB Decachlorobiphenyl (Surr)	56-122

Column to be used to flag recovery values

FORM II 8081A

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Matrix: Water Level: Low Lab File ID: Q10120000064.D

Lab ID: LCS 180-50153/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Aldrin	0.0250	0.0220	88	62-113	
alpha-BHC	0.0250	0.0219	87	58-114	
beta-BHC	0.0250	0.0213	85	52-120	
delta-BHC	0.0250	0.0226	90	10-137	
gamma-BHC (Lindane)	0.0250	0.0215	86	57-110	
alpha-Chlordane	0.0250	0.0201	81	59-114	
gamma-Chlordane	0.0250	0.0206	82	60-114	
4,4'-DDD	0.0250	0.0204	82	48-120	
4,4'-DDE	0.0250	0.0199	79	47-120	
4,4'-DDT	0.0250	0.0200	80	39-131	
Dieldrin	0.0250	0.0208	83	51-121	
Endosulfan I	0.0250	0.0216	86	60-114	
Endosulfan II	0.0250	0.0217	87	58-112	
Endosulfan sulfate	0.0250	0.0196	79	42-122	
Endrin	0.0250	0.0216	87	31-138	
Endrin aldehyde	0.0250	0.0206	83	52-110	
Endrin ketone	0.0250	0.0202	81	57-114	
Heptachlor	0.0250	0.0216	86	63-120	
Heptachlor epoxide	0.0250	0.0212	85	60-120	
Methoxychlor	0.0250	0.0201	80	35-137	

Column to be used to flag recovery and RPD values

FORM III 8081A

FORM III
GC SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Matrix: Water Level: Low Lab File ID: Q10120000065.D

Lab ID: LCSD 180-50153/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Aldrin	0.0250	0.0220	88	0	22	62-113	
alpha-BHC	0.0250	0.0220	88	0	20	58-114	
beta-BHC	0.0250	0.0213	85	0	24	52-120	
delta-BHC	0.0250	0.0219	88	1	26	10-137	
gamma-BHC (Lindane)	0.0250	0.0214	85	1	21	57-110	
alpha-Chlordane	0.0250	0.0215	86	5	21	59-114	
gamma-Chlordane	0.0250	0.0215	86	4	21	60-114	
4,4'-DDD	0.0250	0.0212	85	2	24	48-120	
4,4'-DDE	0.0250	0.0210	84	6	20	47-120	
4,4'-DDT	0.0250	0.0199	80	1	24	39-131	
Dieldrin	0.0250	0.0222	89	6	20	51-121	
Endosulfan I	0.0250	0.0222	89	3	22	60-114	
Endosulfan II	0.0250	0.0226	90	4	21	58-112	
Endosulfan sulfate	0.0250	0.0206	83	5	21	42-122	
Endrin	0.0250	0.0232	93	7	24	31-138	
Endrin aldehyde	0.0250	0.0215	86	3	25	52-110	
Endrin ketone	0.0250	0.0204	82	2	20	57-114	
Heptachlor	0.0250	0.0209	83	3	25	63-120	
Heptachlor epoxide	0.0250	0.0223	89	5	20	60-120	
Methoxychlor	0.0250	0.0194	77	4	27	35-137	

Column to be used to flag recovery and RPD values

FORM III 8081A

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: MB 180-50153/1-A

Matrix: Water Date Extracted: 09/28/2012 13:45

Lab File ID:(1) Q10120000063.D Lab File ID:(2) R10120000063.D

Date Analyzed:(1) 10/03/2012 20:46 Date Analyzed:(2) 10/03/2012 20:46

Instrument ID:(1) GC15 Instrument ID:(2) GC15

GC Column:(1) MR-1 ID: 0.53(mm) GC Column:(2) MR-2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
MW-110	180-14634-9	10/03/2012 20:14	10/03/2012 20:14
	LCS 180-50153/2-A	10/03/2012 21:02	10/03/2012 21:02
	LCSD 180-50153/3-A	10/03/2012 21:17	10/03/2012 21:17

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Sample No.: ICRT 180-50786/6 Date Analyzed: 10/03/2012 13:23

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm)

Lab File ID (Standard): Q10120000035.D Heated Purge: (Y/N) N

Calibration ID: 6800

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
INITIAL CALIBRATION SURROGATE				4.35	9.21	
UPPER LIMIT				4.40	9.26	
LOWER LIMIT				4.30	9.16	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
ICRT 180-50786/6		10/03/2012 13:23	Q10120000035.D	4.35	9.21	
PEM 180-50786/19		10/03/2012 19:42	Q10120000059.D	4.35	9.21	
CCV 180-50786/20		10/03/2012 19:58	Q10120000060.D	4.35	9.21	
180-14634-9	MW-110	10/03/2012 20:14	Q10120000061.D	4.35	9.21	
MB 180-50153/1-A		10/03/2012 20:46	Q10120000063.D	4.35	9.21	
LCS 180-50153/2-A		10/03/2012 21:02	Q10120000064.D	4.35	9.20	
LCSD 180-50153/3-A		10/03/2012 21:17	Q10120000065.D	4.35	9.21	
CCV 180-50786/41		10/04/2012 01:44	Q10120000082.D	4.35	9.20	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl (Surr)

TCX RT Limit = ± 0.05 minutes of surrogate RT
DCB RT Limit = ± 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081A

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Sample No.: ICRT 180-50786/6 Date Analyzed: 10/03/2012 13:23

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm)

Lab File ID (Standard): R10120000035.D Heated Purge: (Y/N) N

Calibration ID: 6803

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
INITIAL CALIBRATION SURROGATE				4.97	10.32	
UPPER LIMIT				5.02	10.37	
LOWER LIMIT				4.92	10.27	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
ICRT 180-50786/6		10/03/2012 13:23	R10120000035.D	4.97	10.32	
PEM 180-50786/19		10/03/2012 19:42	R10120000059.D	4.98	10.32	
CCV 180-50786/20		10/03/2012 19:58	R10120000060.D	4.98	10.32	
180-14634-9	MW-110	10/03/2012 20:14	R10120000061.D	4.98	10.32	
MB 180-50153/1-A		10/03/2012 20:46	R10120000063.D	4.97	10.32	
LCS 180-50153/2-A		10/03/2012 21:02	R10120000064.D	4.98	10.32	
LCSD 180-50153/3-A		10/03/2012 21:17	R10120000065.D	4.97	10.32	
CCV 180-50786/41		10/04/2012 01:44	R10120000082.D	4.97	10.32	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl (Surr)

TCX RT Limit = ± 0.05 minutes of surrogate RT
DCB RT Limit = ± 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081A

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-110 Lab Sample ID: 180-14634-9

Instrument ID (1): GC15 Instrument ID (2): GC15

Date Analyzed (1): 10/03/2012 20:14 Date Analyzed (2): 10/03/2012 20:14

GC Column (1): MR-1 ID: 0.53(mm) GC Column (2): MR-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
gamma-BHC (Lindane)	1		4.95	4.93	4.99	0.0011		174.8
	2		5.73	5.66	5.76	0.016		
delta-BHC	1		5.31	5.27	5.33	0.00097		179.2
	2		6.18	6.11	6.21	0.018		
Heptachlor epoxide	1		6.01	6.01	6.07	0.0026		172.8
	2		6.72	6.65	6.75	0.036		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 180-50153/2-A

Instrument ID (1): GC15 Instrument ID (2): GC15

Date Analyzed (1): 10/03/2012 21:02 Date Analyzed (2): 10/03/2012 21:02

GC Column (1): MR-1 ID: 0.53(mm) GC Column (2): MR-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		4.70	4.67	4.73	0.0219		2.5
	2		5.42	5.37	5.47	0.0224		
gamma-BHC (Lindane)	1		4.96	4.93	4.99	0.0215		0.9
	2		5.71	5.66	5.76	0.0217		
beta-BHC	1		5.12	5.09	5.15	0.0213		1.5
	2		5.94	5.89	5.99	0.0210		
delta-BHC	1		5.30	5.27	5.33	0.0226		1.6
	2		6.16	6.11	6.21	0.0222		
Heptachlor	1		5.41	5.38	5.44	0.0216		2.0
	2		6.02	5.96	6.06	0.0220		
Aldrin	1		5.68	5.65	5.71	0.0220		4.1
	2		6.27	6.22	6.32	0.0211		
Heptachlor epoxide	1		6.03	6.01	6.07	0.0212		2.5
	2		6.71	6.65	6.75	0.0207		
gamma-Chlordane	1		6.25	6.22	6.28	0.0206		1.6
	2		6.92	6.87	6.97	0.0202		
alpha-Chlordane	1		6.32	6.29	6.35	0.0201		1.2
	2		6.98	6.93	7.03	0.0204		
Endosulfan I	1		6.35	6.33	6.39	0.0216		3.8
	2		7.05	7.00	7.10	0.0207		
4,4'-DDE	1		6.48	6.45	6.51	0.0199		0.4
	2		7.11	7.06	7.16	0.0198		
Dieldrin	1		6.59	6.56	6.62	0.0208		1.8
	2		7.29	7.23	7.33	0.0205		
Endrin	1		6.78	6.76	6.82	0.0216		1.3
	2		7.54	7.49	7.59	0.0214		
4,4'-DDD	1		6.93	6.90	6.96	0.0204		1.3
	2		7.62	7.57	7.67	0.0207		
Endosulfan II	1		6.98	6.95	7.01	0.0217		1.0
	2		7.80	7.75	7.85	0.0214		
Endrin aldehyde	1		7.09	7.07	7.13	0.0206		1.0
	2		7.96	7.91	8.01	0.0208		
4,4'-DDT	1		7.20	7.17	7.23	0.0200		0.7
	2		7.85	7.80	7.90	0.0201		
Endosulfan sulfate	1		7.30	7.28	7.34	0.0196		5.6
	2		8.17	8.12	8.22	0.0207		
Methoxychlor	1		7.64	7.62	7.68	0.0201		4.4
	2		8.39	8.34	8.44	0.0192		
Endrin ketone	1		7.73	7.70	7.76	0.0202		0.8
	2		8.75	8.70	8.80	0.0201		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 180-50153/3-A

Instrument ID (1): GC15 Instrument ID (2): GC15

Date Analyzed (1): 10/03/2012 21:17 Date Analyzed (2): 10/03/2012 21:17

GC Column (1): MR-1 ID: 0.53(mm) GC Column (2): MR-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		4.70	4.67	4.73	0.0220		1.9
	2		5.42	5.37	5.47	0.0224		
gamma-BHC (Lindane)	1		4.96	4.93	4.99	0.0214		0.3
	2		5.71	5.66	5.76	0.0213		
beta-BHC	1		5.12	5.09	5.15	0.0213		1.3
	2		5.93	5.89	5.99	0.0210		
delta-BHC	1		5.30	5.27	5.33	0.0219		2.5
	2		6.16	6.11	6.21	0.0225		
Heptachlor	1		5.41	5.38	5.44	0.0209		1.8
	2		6.01	5.96	6.06	0.0212		
Aldrin	1		5.68	5.65	5.71	0.0220		2.0
	2		6.27	6.22	6.32	0.0215		
Heptachlor epoxide	1		6.03	6.01	6.07	0.0223		3.9
	2		6.70	6.65	6.75	0.0214		
gamma-Chlordane	1		6.25	6.22	6.28	0.0215		2.1
	2		6.92	6.87	6.97	0.0210		
alpha-Chlordane	1		6.32	6.29	6.35	0.0215		2.5
	2		6.98	6.93	7.03	0.0210		
Endosulfan I	1		6.35	6.33	6.39	0.0222		3.0
	2		7.05	7.00	7.10	0.0216		
4,4'-DDE	1		6.48	6.45	6.51	0.0210		4.3
	2		7.11	7.06	7.16	0.0202		
Dieldrin	1		6.59	6.56	6.62	0.0222		3.7
	2		7.28	7.23	7.33	0.0214		
Endrin	1		6.78	6.76	6.82	0.0232		5.3
	2		7.54	7.49	7.59	0.0220		
4,4'-DDD	1		6.93	6.90	6.96	0.0212		0.3
	2		7.61	7.57	7.67	0.0211		
Endosulfan II	1		6.98	6.95	7.01	0.0226		3.8
	2		7.80	7.75	7.85	0.0217		
Endrin aldehyde	1		7.09	7.07	7.13	0.0215		0.5
	2		7.96	7.91	8.01	0.0214		
4,4'-DDT	1		7.20	7.17	7.23	0.0199		2.4
	2		7.85	7.80	7.90	0.0194		
Endosulfan sulfate	1		7.30	7.28	7.34	0.0206		4.2
	2		8.17	8.12	8.22	0.0215		
Methoxychlor	1		7.64	7.62	7.68	0.0194		3.9
	2		8.39	8.34	8.44	0.0186		
Endrin ketone	1		7.73	7.70	7.76	0.0204		0.7
	2		8.75	8.70	8.80	0.0206		

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-110 | Lab Sample ID: 180-14634-9

Matrix: Water | Lab File ID: Q10120000061.D

Analysis Method: 8081A | Date Collected: 09/19/2012 13:00

Extraction Method: 3510C | Date Extracted: 09/28/2012 13:45

Sample wt/vol: 1050(mL) | Date Analyzed: 10/03/2012 20:14

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: MR-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 50786 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	ND	H	0.0012	0.00079
319-84-6	alpha-BHC	ND	H	0.0012	0.00063
319-86-8	delta-BHC	0.00097	J H p	0.0012	0.00036
58-89-9	gamma-BHC (Lindane)	0.0011	J H p	0.0012	0.00076
5103-71-9	alpha-Chlordane	ND	H	0.0012	0.00093
5103-74-2	gamma-Chlordane	ND	H	0.0012	0.00091
72-54-8	4,4'-DDD	ND	H	0.0012	0.00064
72-55-9	4,4'-DDE	ND	H	0.0012	0.00075
60-57-1	Dieldrin	ND	H	0.0012	0.00078
959-98-8	Endosulfan I	ND	H	0.0012	0.00090
33213-65-9	Endosulfan II	ND	H	0.0012	0.00093
1031-07-8	Endosulfan sulfate	ND	H	0.0012	0.00054
72-20-8	Endrin	ND	H	0.0012	0.00091
7421-93-4	Endrin aldehyde	ND	H	0.0012	0.00086
53494-70-5	Endrin ketone	ND	H	0.0012	0.00088
1024-57-3	Heptachlor epoxide	0.0026	H p	0.0012	0.00092
72-43-5	Methoxychlor	ND	H	0.0024	0.00087
8001-35-2	Toxaphene	ND	H	0.095	0.018

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	82		60-111
2051-24-3	DCB Decachlorobiphenyl (Surr)	88		56-122

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000061.D
Report Date: 04-Oct-2012 08:13

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000061.D
Lab Smp Id: 180-14634-B-9-A Client Smp ID: MW-110
Inj Date : 03-OCT-2012 20:14
Operator : 402331 Inst ID: gc15.i
Smp Info : 180-14634-b-9-a,2012.b
Misc Info : 180-14634-B-9-A
Comment : 8081 analysis
Method : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\TPESTA1.m
Meth Date : 04-Oct-2012 08:13 oravecj Quant Type: ESTD
Cal Date : 03-OCT-2012 14:10 Cal File: Q10120000038.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEST.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1050.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.353	4.354	-0.001	667027	0.01635	0.00001557(a)
6 alpha-BHC	4.685	4.703	-0.018	12099	0.00027	0.0000002576(a)
7 gamma-BHC (Lindane)	4.947	4.956	-0.009	40603	0.00114	0.000001081(a)
8 beta-BHC	5.106	5.117	-0.011	601910	0.03840	0.00003657(a)
9 Chlordane	Compound Not Detected.					
11 delta-BHC	5.310	5.304	0.006	29941	0.00102	0.0000009704(a)
12 Heptachlor	5.437	5.414	0.023	34431	0.00120	0.000001143(a)
17 Aldrin	Compound Not Detected.					
20 Heptachlor epoxide	6.013	6.035	-0.022	81665	0.00276	0.000002626(a)
24 gamma-Chlordane	6.264	6.251	0.013	12204	0.00040	0.0000003809(a)
25 alpha-Chlordane	Compound Not Detected.					
26 Endosulfan I	6.340	6.355	-0.015	7164	3e-004	0.0000002607(a)
27 4,4'-DDE	Compound Not Detected.					
28 Dieldrin	Compound Not Detected.					
29 Toxaphene	Compound Not Detected.					
30 Endrin	Compound Not Detected.					
31 4,4'-DDD	Compound Not Detected.					
32 Endosulfan II	6.986	6.981	0.005	10136	5e-004	0.0000004428(a)
33 Endrin aldehyde	Compound Not Detected.					
34 4,4'-DDT	7.192	7.204	-0.012	12401	0.00486	0.000004631(a)
35 Endosulfan sulfate	Compound Not Detected.					

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000061.D
Report Date: 04-Oct-2012 08:13

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
36 Methoxychlor	Compound Not Detected.					
37 Endrin ketone	Compound Not Detected.					
$ 39 DCB Decachlorobiphenyl (Surr)	9.205	9.207	-0.002	238374	0.01762	0.00001678(aR)

QC Flag Legend

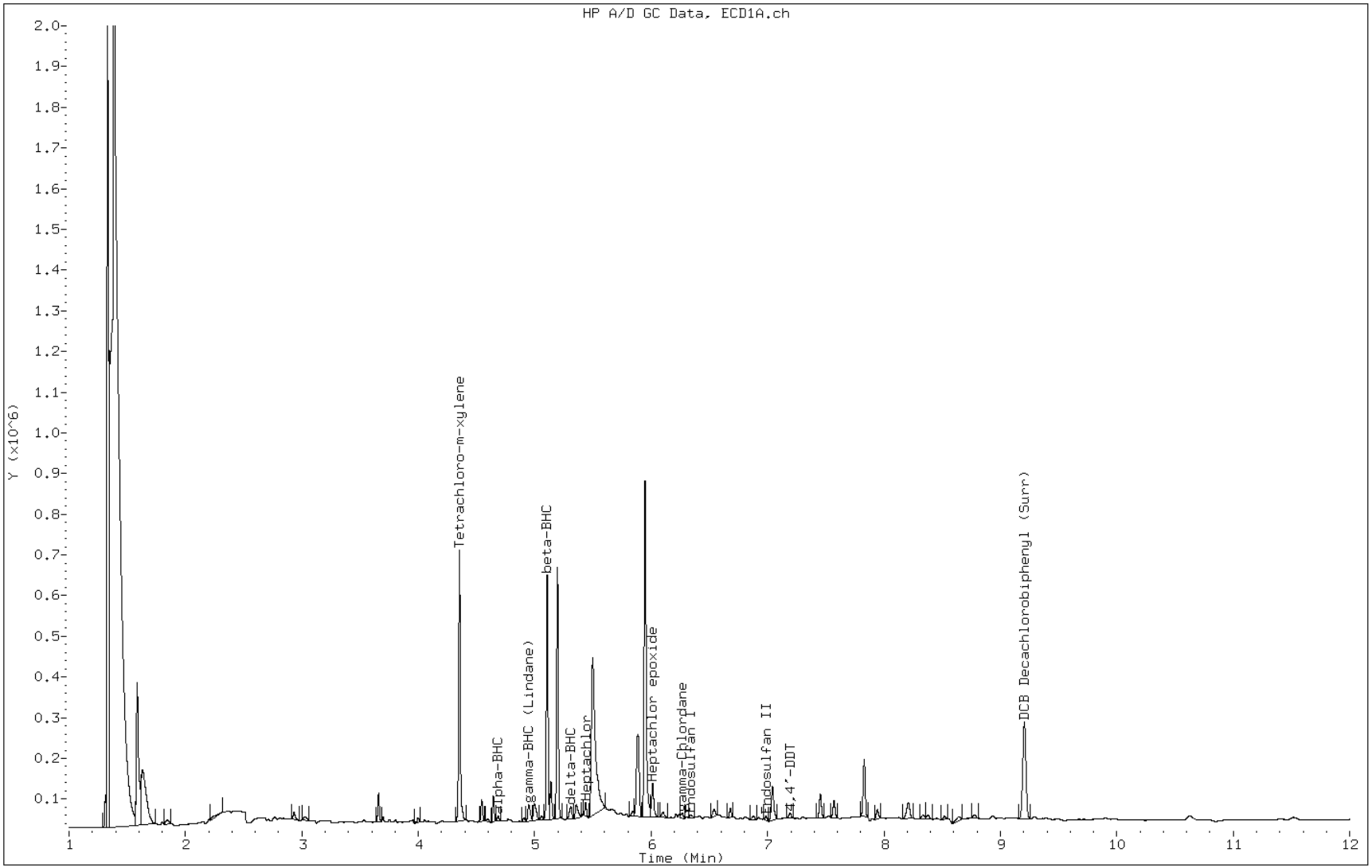
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: Q10120000061.D

Date: 03-OCT-2012 20:14

Client ID: MW-110 Instrument: gc15.i

Sample Info: 180-14634-b-9-a,2012.b Operator: 402331



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-110 | Lab Sample ID: 180-14634-9

Matrix: Water | Lab File ID: R10120000061.D

Analysis Method: 8081A | Date Collected: 09/19/2012 13:00

Extraction Method: 3510C | Date Extracted: 09/28/2012 13:45

Sample wt/vol: 1050(mL) | Date Analyzed: 10/03/2012 20:14

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: MR-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 50786 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-85-7	beta-BHC	ND	H	0.0012	0.00095
50-29-3	4,4'-DDT	ND	H	0.0012	0.00070
76-44-8	Heptachlor	ND	H	0.0012	0.00094

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	86		60-111
2051-24-3	DCB Decachlorobiphenyl (Surr)	88		56-122

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000061.D
Report Date: 04-Oct-2012 10:18

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000061.D
Lab Smp Id: 180-14634-B-9-A Client Smp ID: MW-110
Inj Date : 03-OCT-2012 20:14
Operator : 402331 Inst ID: gc15.i
Smp Info : 180-14634-b-9-a,2012.b
Misc Info : 180-14634-B-9-A
Comment : 8081 Analysis
Method : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\TPESTB2.m
Meth Date : 04-Oct-2012 10:18 oravecj Quant Type: ESTD
Cal Date : 03-OCT-2012 14:10 Cal File: R10120000038.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEST.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1050.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.976	4.974	0.002	343267	0.01727	0.00001645(a)
6 alpha-BHC	5.447	5.418	0.029	45513	0.00219	0.000002089(a)
7 gamma-BHC (Lindane)	5.731	5.707	0.024	281852	0.01685	0.00001605(a)
8 Chlordane	Compound Not Detected.					
10 beta-BHC	Compound Not Detected.					
11 Heptachlor	5.991	6.013	-0.022	8945	7.e-004	0.0000006693(a)
13 delta-BHC	6.182	6.157	0.025	269616	0.01861	0.00001772(a)
17 Aldrin	6.286	6.271	0.015	22879	0.00143	0.000001366(a)
21 Heptachlor epoxide	6.716	6.702	0.014	436694	0.03778	0.00003598(a)
24 gamma-Chlordane	6.884	6.921	-0.037	11278	0.00107	0.000001021(a)
25 alpha-Chlordane	Compound Not Detected.					
26 Endosulfan I	Compound Not Detected.					
27 4,4'-DDE	Compound Not Detected.					
28 Dieldrin	Compound Not Detected.					
31 Toxaphene	Compound Not Detected.					
29 Endrin	Compound Not Detected.					
30 4,4'-DDD	7.612	7.615	-0.003	20530	0.00244	0.000002322(a)
32 Endosulfan II	Compound Not Detected.					
33 4,4'-DDT	Compound Not Detected.					
34 Endrin aldehyde	7.969	7.959	0.010	58461	0.00757	0.000007207(a)
35 Endosulfan sulfate	Compound Not Detected.					

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000061.D
Report Date: 04-Oct-2012 10:18

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
36 Methoxychlor	8.347	8.394	-0.047	19528	0.00708	0.000006742(a)
38 Endrin ketone	8.767	8.752	0.015	6431	8e-004	0.0000007510(a)
$ 39 DCB Decachlorobiphenyl (Surr)	10.320	10.320	0.000	111124	0.01760	0.00001676(R)

QC Flag Legend

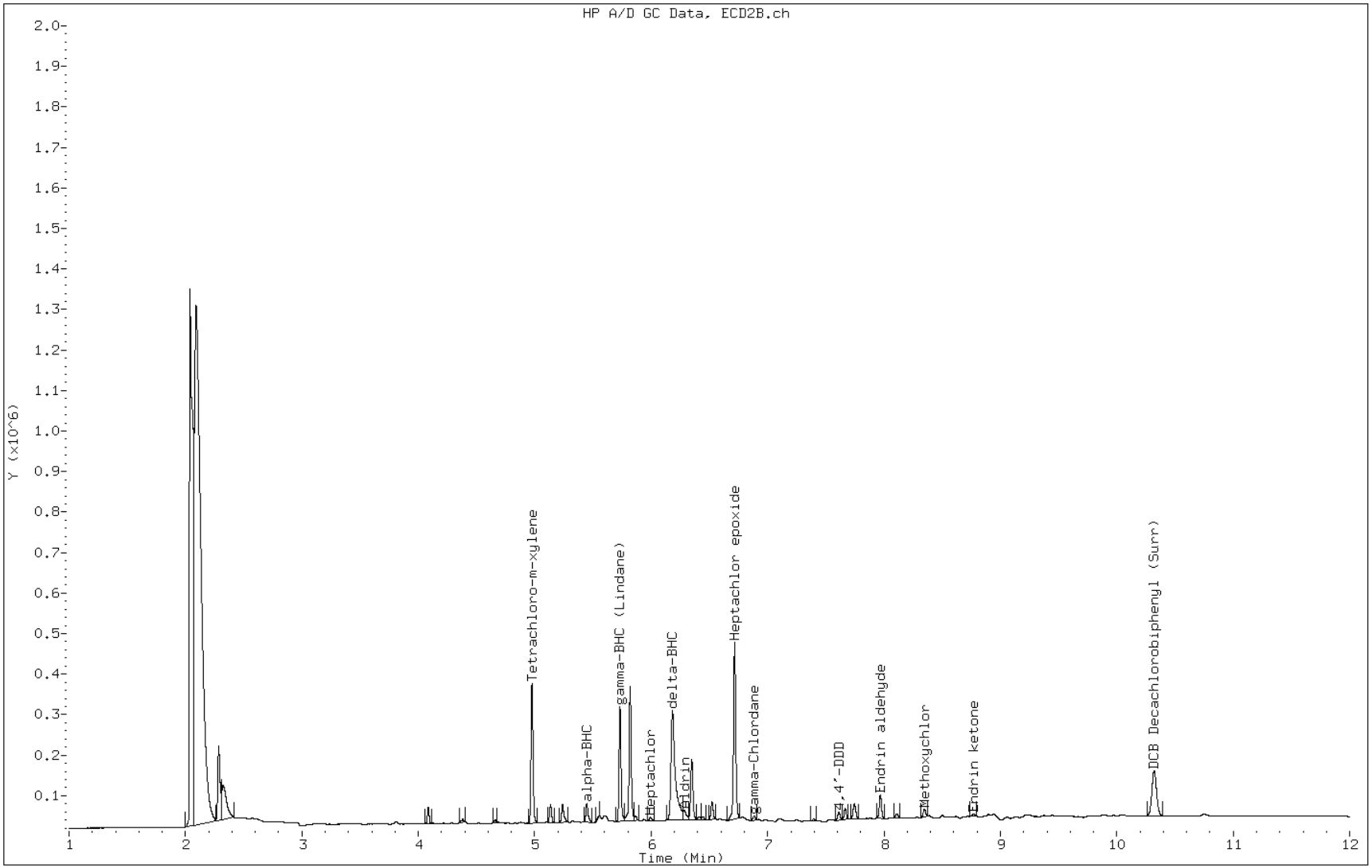
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: R10120000061.D

Date: 03-OCT-2012 20:14

Client ID: MW-110 Instrument: gc15.i

Sample Info: 180-14634-b-9-a,2012.b Operator: 402331



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 50786

SDG No.:

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/03/2012 12:20 Calibration End Date: 10/03/2012 12:20 Calibration ID: 6798

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-50786/2	Q10120000031.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
Toxaphene Peak 1	7.034										7.004 - 7.064	7.034
Toxaphene Peak 2	7.218										7.188 - 7.248	7.218
Toxaphene Peak 3	7.296										7.266 - 7.326	7.296
Toxaphene Peak 4	7.671										7.641 - 7.701	7.671
Tetrachloro-m-xylene	4.353										4.324 - 4.384	4.353
DCB Decachlorobiphenyl (Surr)	9.208										9.157 - 9.257	9.208

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 50786

SDG No.:

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/03/2012 12:20 Calibration End Date: 10/03/2012 12:20 Calibration ID: 6798

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-50786/2	Q10120000031.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
Toxaphene Peak 1	357299				Ave		357299.000						20.0			
Toxaphene Peak 2	547935				Ave		547935.000						20.0			
Toxaphene Peak 3	422010				Ave		422010.000						20.0			
Toxaphene Peak 4	568791				Ave		568791.000						20.0			
Tetrachloro-m-xylene	39766760				Ave		40805134.2				6.4		20.0			
DCB Decachlorobiphenyl	12629120				Ave		13529663.3				14.7		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 50786

SDG No.:

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/03/2012 12:20 Calibration End Date: 10/03/2012 12:20 Calibration ID: 6798

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-50786/2	Q10120000031.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1					LVL 1				
Toxaphene Peak 1	Ave	357299					1.00				
Toxaphene Peak 2	Ave	547935					1.00				
Toxaphene Peak 3	Ave	422010					1.00				
Toxaphene Peak 4	Ave	568791					1.00				
Tetrachloro-m-xylene	Ave	994169					0.0250				
DCB Decachlorobiphenyl (Surr)	Ave	315728					0.0250				

Curve Type Legend:

Ave = Average by Height

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000031.D
Report Date: 04-Oct-2012 07:35

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000031.D
Lab Smp Id: IC 547632
Inj Date : 03-OCT-2012 12:20
Operator : 402331 Inst ID: gc15.i
Smp Info : IC 547632,2012.b
Misc Info :
Comment : 8081 analysis
Method : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\TPESTA1.m
Meth Date : 04-Oct-2012 07:35 gc15.i Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 102 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-TOX.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (mL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 4 Tetrachloro-m-xylene	4.352	4.353	-0.001	994169	0.02500	0.0000
29 Toxaphene	7.033	7.033	0.000	357299	1.00000	0.0000
$ 39 DCB Decachlorobiphenyl (Surr)	9.208	9.206	0.002	315728	0.02500	0.0000(a)

QC Flag Legend

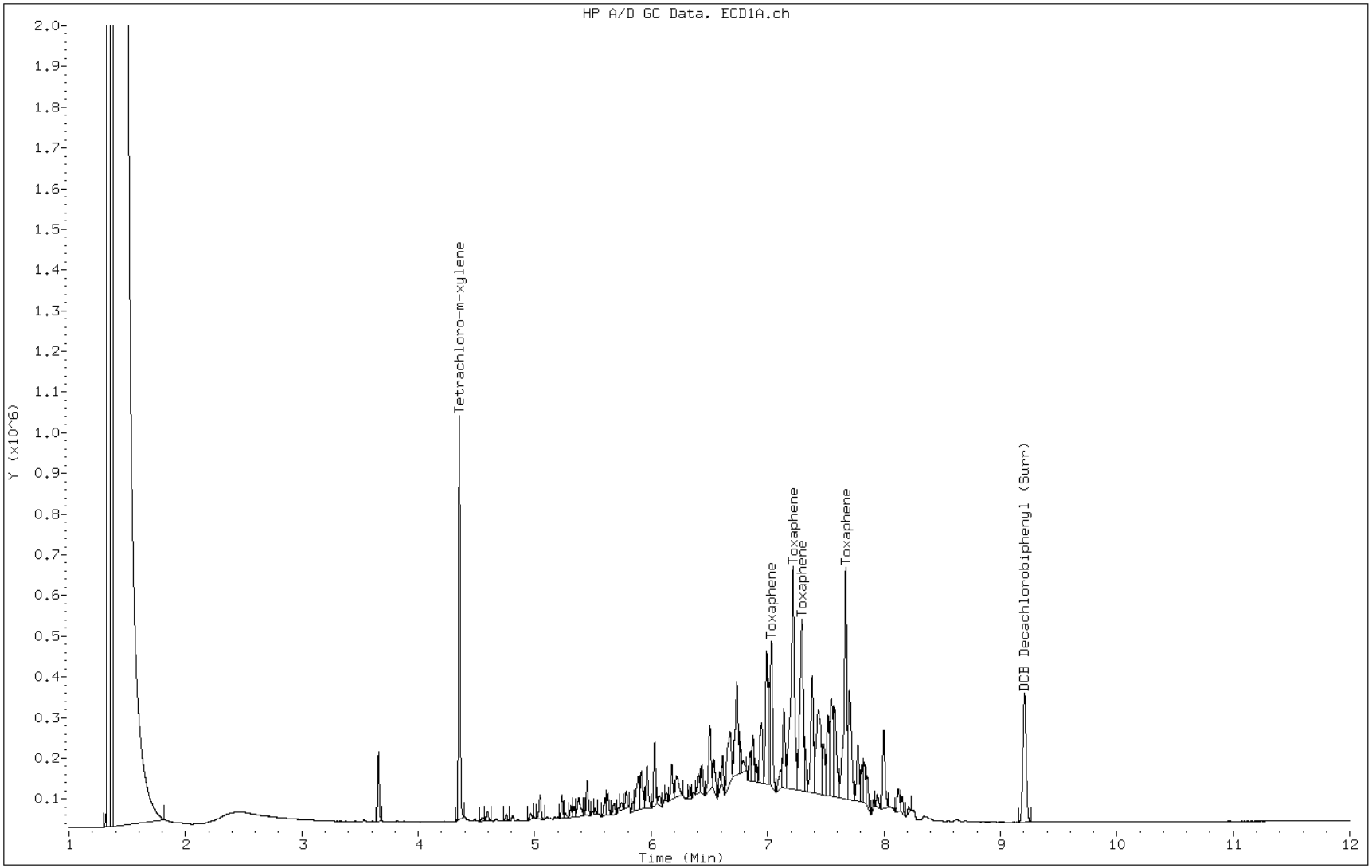
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: Q10120000031.D

Date: 03-OCT-2012 12:20

Client ID: Instrument: gc15.i

Sample Info: IC 547632,2012.b Operator: 402331



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 50786

SDG No.:

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/03/2012 12:20 Calibration End Date: 10/03/2012 12:20 Calibration ID: 6801

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-50786/2	R10120000031.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
Toxaphene Peak 1	7.796										7.746 - 7.846	7.796
Toxaphene Peak 2	7.983										7.933 - 8.033	7.983
Toxaphene Peak 3	8.070										8.020 - 8.120	8.070
Toxaphene Peak 4	8.609										8.559 - 8.659	8.609
Tetrachloro-m-xylene	4.974										4.924 - 5.024	4.974
DCB Decachlorobiphenyl (Surr)	10.320										10.270 - 10.370	10.320

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 50786

SDG No.:

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/03/2012 12:20 Calibration End Date: 10/03/2012 12:20 Calibration ID: 6801

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-50786/2	R10120000031.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
Toxaphene Peak 1	120985				Ave		120985.000						20.0			
Toxaphene Peak 2	131183				Ave		131183.000						20.0			
Toxaphene Peak 3	213244				Ave		213244.000						20.0			
Toxaphene Peak 4	195169				Ave		195169.000						20.0			
Tetrachloro-m-xylene	19384960				Ave		19871067.5				5.8		20.0			
DCB Decachlorobiphenyl	6053600				Ave		6312686.67				14.9		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 50786

SDG No.:

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/03/2012 12:20 Calibration End Date: 10/03/2012 12:20 Calibration ID: 6801

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-50786/2	R10120000031.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1					LVL 1				
Toxaphene Peak 1	Ave	120985					1.00				
Toxaphene Peak 2	Ave	131183					1.00				
Toxaphene Peak 3	Ave	213244					1.00				
Toxaphene Peak 4	Ave	195169					1.00				
Tetrachloro-m-xylene	Ave	484624					0.0250				
DCB Decachlorobiphenyl (Surr)	Ave	151340					0.0250				

Curve Type Legend:

Ave = Average by Height

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000031.D
Report Date: 04-Oct-2012 07:56

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000031.D
Lab Smp Id: IC 547632
Inj Date : 03-OCT-2012 12:20
Operator : 402331 Inst ID: gc15.i
Smp Info : IC 547632,2012.b
Misc Info :
Comment : 8081 Analysis
Method : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\TPESTB2.m
Meth Date : 04-Oct-2012 07:56 gc15.i Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 102 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-TOX.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (mL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

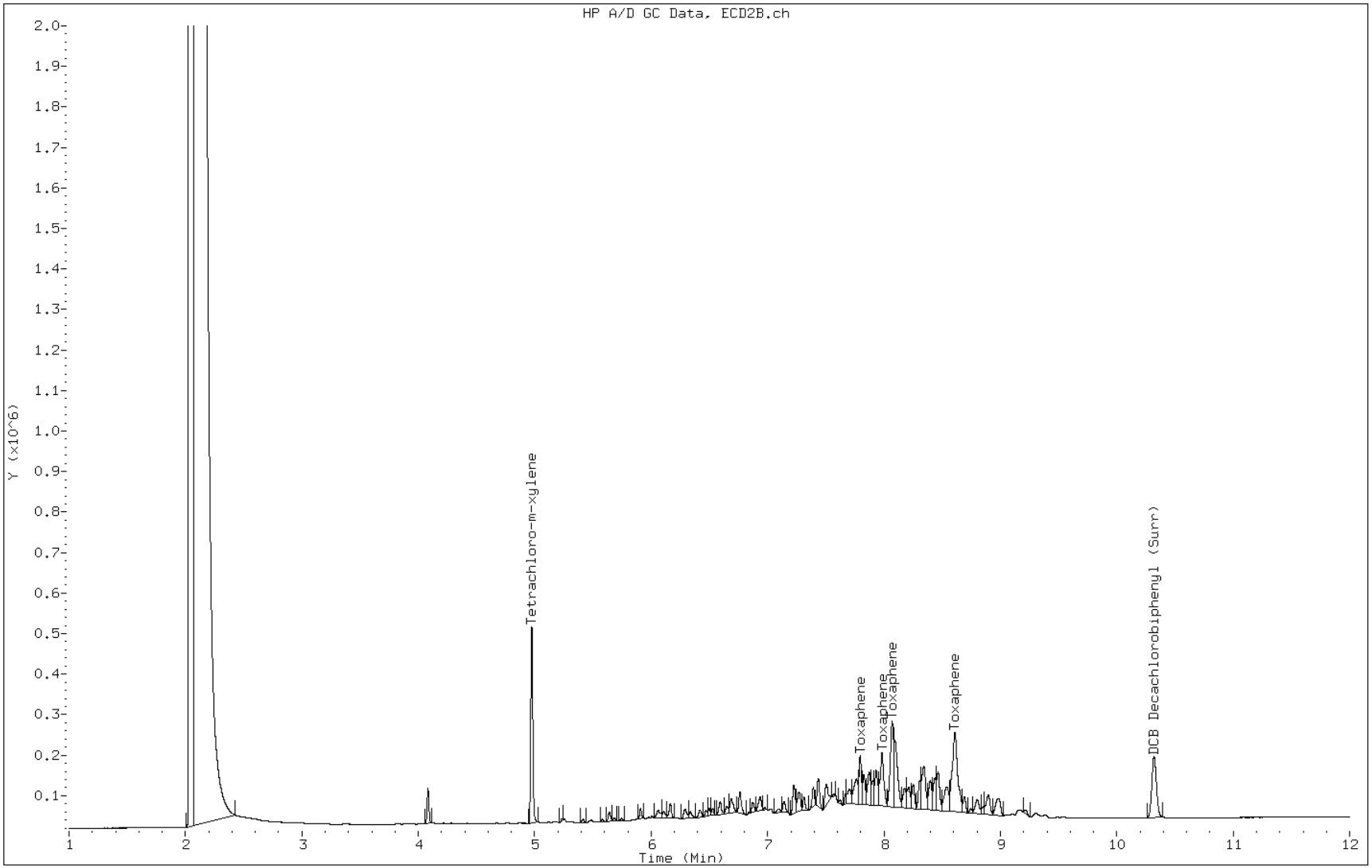
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 4 Tetrachloro-m-xylene	4.974	4.974	0.000	484624	0.02500	0.0000
31 Toxaphene	7.796	7.796	0.000	120985	1.00000	0.0000
$ 39 DCB Decachlorobiphenyl (Surr)	10.319	10.319	0.000	151340	0.02500	0.0000

Data File: R10120000031.D

Date: 03-OCT-2012 12:20

Client ID: Instrument: gc15.i

Sample Info: IC 547632,2012.b Operator: 402331



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 50786

SDG No.:

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/03/2012 12:52 Calibration End Date: 10/03/2012 14:10 Calibration ID: 6800

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-50786/4	Q10120000033.D
Level 2	IC 180-50786/5	Q10120000034.D
Level 3	ICRT 180-50786/6	Q10120000035.D
Level 4	IC 180-50786/7	Q10120000036.D
Level 5	IC 180-50786/8	Q10120000037.D
Level 6	IC 180-50786/9	Q10120000038.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
alpha-BHC	4.703	4.702	4.703	4.702	4.702	4.703					4.673 - 4.733	4.703
gamma-BHC (Lindane)	4.956	4.956	4.956	4.957	4.956	4.957					4.926 - 4.986	4.956
beta-BHC	5.118	5.117	5.117	5.117	5.116	5.117					5.087 - 5.147	5.117
delta-BHC	5.305	5.304	5.304	5.304	5.303	5.304					5.274 - 5.334	5.304
Heptachlor	5.414	5.413	5.414	5.414	5.414	5.415					5.384 - 5.444	5.414
Aldrin	5.684	5.684	5.684	5.685	5.684	5.685					5.654 - 5.714	5.684
Heptachlor epoxide	6.036	6.034	6.035	6.035	6.035	6.036					6.005 - 6.065	6.035
gamma-Chlordane	6.251	6.250	6.251	6.250	6.250	6.251					6.221 - 6.281	6.250
alpha-Chlordane	6.318	6.316	6.317	6.317	6.317	6.318					6.287 - 6.347	6.317
Endosulfan I	6.355	6.354	6.355	6.355	6.354	6.356					6.325 - 6.385	6.355
4,4'-DDE	6.480	6.478	6.479	6.479	6.478	6.479					6.449 - 6.509	6.479
Dieldrin	6.590	6.589	6.590	6.590	6.589	6.591					6.560 - 6.620	6.590
Endrin	6.785	6.784	6.785	6.785	6.784	6.786					6.755 - 6.815	6.785
4,4'-DDD	6.928	6.927	6.928	6.928	6.927	6.927					6.898 - 6.958	6.928
Endosulfan II	6.982	6.979	6.981	6.981	6.980	6.982					6.951 - 7.011	6.981
Endrin aldehyde	7.096	7.095	7.097	7.095	7.095	7.096					7.067 - 7.127	7.095
4,4'-DDT	7.205	7.203	7.204	7.204	7.203	7.204					7.174 - 7.234	7.204
Endosulfan sulfate	7.305	7.305	7.305	7.305	7.304	7.305					7.275 - 7.335	7.305
Methoxychlor	7.646	7.645	7.646	7.646	7.645	7.647					7.616 - 7.676	7.646
Endrin ketone	7.730	7.730	7.730	7.730	7.729	7.732					7.700 - 7.760	7.730
Tetrachloro-m-xylene	4.354	4.353	4.354	4.353	4.353	4.354					4.324 - 4.384	4.353
DCB Decachlorobiphenyl (Surr)	9.209	9.207	9.207	9.208	9.208	9.208					9.157 - 9.257	9.208

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 50786

SDG No.:

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/03/2012 12:52 Calibration End Date: 10/03/2012 14:10 Calibration ID: 6800

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-50786/4	Q10120000033.D
Level 2	IC 180-50786/5	Q10120000034.D
Level 3	ICRT 180-50786/6	Q10120000035.D
Level 4	IC 180-50786/7	Q10120000036.D
Level 5	IC 180-50786/8	Q10120000037.D
Level 6	IC 180-50786/9	Q10120000038.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
alpha-BHC	49487000 48214340	34747200 47809140	45648360	42486680	Ave		44732120.0				12.2		20.0			
gamma-BHC (Lindane)	40555000 38358680	27664800 38155380	36239840	33599520	Ave		35762203.3				12.9		20.0			
beta-BHC	18981000 16912470	11833000 16358150	15713680	14255180	Ave		15675580.0				15.5		20.0			
delta-BHC	32822000 32695630	20704400 32608820	29928120	27556860	Ave		29385971.7				16.1		20.0			
Heptachlor	35094000 32211900	22541000 29363685	27047400	25835340	Ave		28682220.8				15.8		20.0			
Aldrin	40693000 37643000	30495400 35454690	37166680	35336480	Ave		36131541.7				9.3		20.0			
Heptachlor epoxide	36355000 30595680	24694600 27711210	30477280	27885780	Ave		29619925.0				13.3		20.0			
gamma-Chlordane	36833000 32328570	23863800 30343465	31209760	28519600	Ave		30516365.8				14.1		20.0			
alpha-Chlordane	35585000 31168700	22894800 29557760	30399840	27760540	Ave		29561106.7				14.1		20.0			
Endosulfan I	31802000 26916920	20713400 25414690	27566400	24630660	Ave		26174011.7				14.0		20.0			
4,4'-DDE	34459000 31068450	27785800 30186120	30308680	30275640	Ave		30680615.0				7.0		20.0			
Dieldrin	33439000 30806760	23112200 28991495	30635320	28292440	Ave		29212869.2				11.9		20.0			
Endrin	28128000 24279740	19165400 22609600	25027120	22248160	Ave		23576336.7				12.8		20.0			
4,4'-DDD	25562000 21794030	16762200 21470695	21538480	19830760	Ave		21159694.2				13.6		20.0			
Endosulfan II	25956000 23342380	17438600 21438985	22528760	20094280	Ave		21799834.2				13.3		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 50786

SDG No.:

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/03/2012 12:52 Calibration End Date: 10/03/2012 14:10 Calibration ID: 6800

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Endrin aldehyde	22615000 18606170	14922400 18285455	18339400	16039640	Ave		18134677.5				14.6		20.0			
4,4'-DDT	11096000 15405380	7933000 15900110	10870800	11480580	Qua	0.00400450	6.92371 E-008	-2.47774 E-015					20.0	0.9967		0.9900
Endosulfan sulfate	22709000 19314830	14094600 18048560	18742280	16873140	Ave		18297068.3				15.5		20.0			
Methoxychlor	6145000 7030280	4510400 6697705	5284760	5612380	Ave		5880087.50				15.9		20.0			
Endrin ketone	25421000 22065450	16855800 20395120	20551680	18872180	Ave		20693538.3				14.1		20.0			
Tetrachloro-m-xylene	45909000 41063160	39546600 40072685	39679120	38560240	Ave		40805134.2				6.4		20.0			
DCB Decachlorobiphenyl (Surr)	17485000 13055530	11917200 12973090	13149720	12597440	Ave		13529663.3				14.7		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 50786

SDG No.:

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/03/2012 12:52 Calibration End Date: 10/03/2012 14:10 Calibration ID: 6800

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-50786/4	Q10120000033.D
Level 2	IC 180-50786/5	Q10120000034.D
Level 3	ICRT 180-50786/6	Q10120000035.D
Level 4	IC 180-50786/7	Q10120000036.D
Level 5	IC 180-50786/8	Q10120000037.D
Level 6	IC 180-50786/9	Q10120000038.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	Ave	49487 9561828	173736	1141209	2124334	4821434	0.00100 0.200	0.00500	0.0250	0.0500	0.100
gamma-BHC (Lindane)	Ave	40555 7631076	138324	905996	1679976	3835868	0.00100 0.200	0.00500	0.0250	0.0500	0.100
beta-BHC	Ave	18981 3271630	59165	392842	712759	1691247	0.00100 0.200	0.00500	0.0250	0.0500	0.100
delta-BHC	Ave	32822 6521764	103522	748203	1377843	3269563	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Heptachlor	Ave	35094 5872737	112705	676185	1291767	3221190	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Aldrin	Ave	40693 7090938	152477	929167	1766824	3764300	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Heptachlor epoxide	Ave	36355 5542242	123473	761932	1394289	3059568	0.00100 0.200	0.00500	0.0250	0.0500	0.100
gamma-Chlordane	Ave	36833 6068693	119319	780244	1425980	3232857	0.00100 0.200	0.00500	0.0250	0.0500	0.100
alpha-Chlordane	Ave	35585 5911552	114474	759996	1388027	3116870	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endosulfan I	Ave	31802 5082938	103567	689160	1231533	2691692	0.00100 0.200	0.00500	0.0250	0.0500	0.100
4,4'-DDE	Ave	34459 6037224	138929	757717	1513782	3106845	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Dieldrin	Ave	33439 5798299	115561	765883	1414622	3080676	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endrin	Ave	28128 4521920	95827	625678	1112408	2427974	0.00100 0.200	0.00500	0.0250	0.0500	0.100
4,4'-DDD	Ave	25562 4294139	83811	538462	991538	2179403	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endosulfan II	Ave	25956 4287797	87193	563219	1004714	2334238	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endrin aldehyde	Ave	22615 3657091	74612	458485	801982	1860617	0.00100 0.200	0.00500	0.0250	0.0500	0.100

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 50786

SDG No.:

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/03/2012 12:52 Calibration End Date: 10/03/2012 14:10 Calibration ID: 6800

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
4,4'-DDT	Qua	11096 3180022	39665	271770	574029	1540538	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endosulfan sulfate	Ave	22709 3609712	70473	468557	843657	1931483	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Methoxychlor	Ave	6145 1339541	22552	132119	280619	703028	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endrin ketone	Ave	25421 4079024	84279	513792	943609	2206545	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Tetrachloro-m-xylene	Ave	45909 8014537	197733	991978	1928012	4106316	0.00100 0.200	0.00500	0.0250	0.0500	0.100
DCB Decachlorobiphenyl (Surr)	Ave	17485 2594618	59586	328743	629872	1305553	0.00100 0.200	0.00500	0.0250	0.0500	0.100

Curve Type Legend:

Ave = Average by Height
Qua = Quadratic by Height

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000033.D
Report Date: 04-Oct-2012 07:35

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000033.D
Lab Smp Id: IC 547574
Inj Date : 03-OCT-2012 12:52
Operator : 402331 Inst ID: gc15.i
Smp Info : IC 547574,2012.b
Misc Info :
Comment : 8081 analysis
Method : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\TPESTA1.m
Meth Date : 04-Oct-2012 07:35 gc15.i Quant Type: ESTD
Cal Date : 03-OCT-2012 12:36 Cal File: Q10120000032.D
Als bottle: 104 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PESTCAL.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 4 Tetrachloro-m-xylene	4.353	4.353	0.000	45909	0.00100	0.001164
6 alpha-BHC	4.703	4.702	0.001	49487	0.00100	0.0000
7 gamma-BHC (Lindane)	4.956	4.955	0.001	40555	0.00100	0.0000
8 beta-BHC	5.118	5.116	0.002	18981	0.00100	0.0000
11 delta-BHC	5.304	5.303	0.001	32822	0.00100	0.0000
12 Heptachlor	5.414	5.413	0.001	35094	0.00100	0.0000
17 Aldrin	5.684	5.683	0.001	40693	0.00100	0.0000
20 Heptachlor epoxide	6.035	6.034	0.001	36355	0.00100	0.0000
24 gamma-Chlordane	6.250	6.250	0.000	36833	0.00100	0.0000
25 alpha-Chlordane	6.317	6.316	0.001	35585	0.00100	0.0000
26 Endosulfan I	6.355	6.354	0.001	31802	0.00100	0.0000
27 4,4'-DDE	6.480	6.478	0.002	34459	0.00100	0.0000
28 Dieldrin	6.590	6.590	0.000	33439	0.00100	0.0000
30 Endrin	6.785	6.785	0.000	28128	0.00100	0.0000
31 4,4'-DDD	6.928	6.927	0.001	25562	0.00100	0.0000
32 Endosulfan II	6.981	6.980	0.001	25956	0.00100	0.0000
33 Endrin aldehyde	7.096	7.096	0.000	22615	0.00100	0.0000
34 4,4'-DDT	7.204	7.203	0.001	11096	0.00100	0.0000
35 Endosulfan sulfate	7.305	7.304	0.001	22709	0.00100	0.0000
36 Methoxychlor	7.646	7.646	0.000	6145	0.00100	0.0000
37 Endrin ketone	7.730	7.730	0.000	25421	0.00100	0.0000

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000033.D
Report Date: 04-Oct-2012 07:35

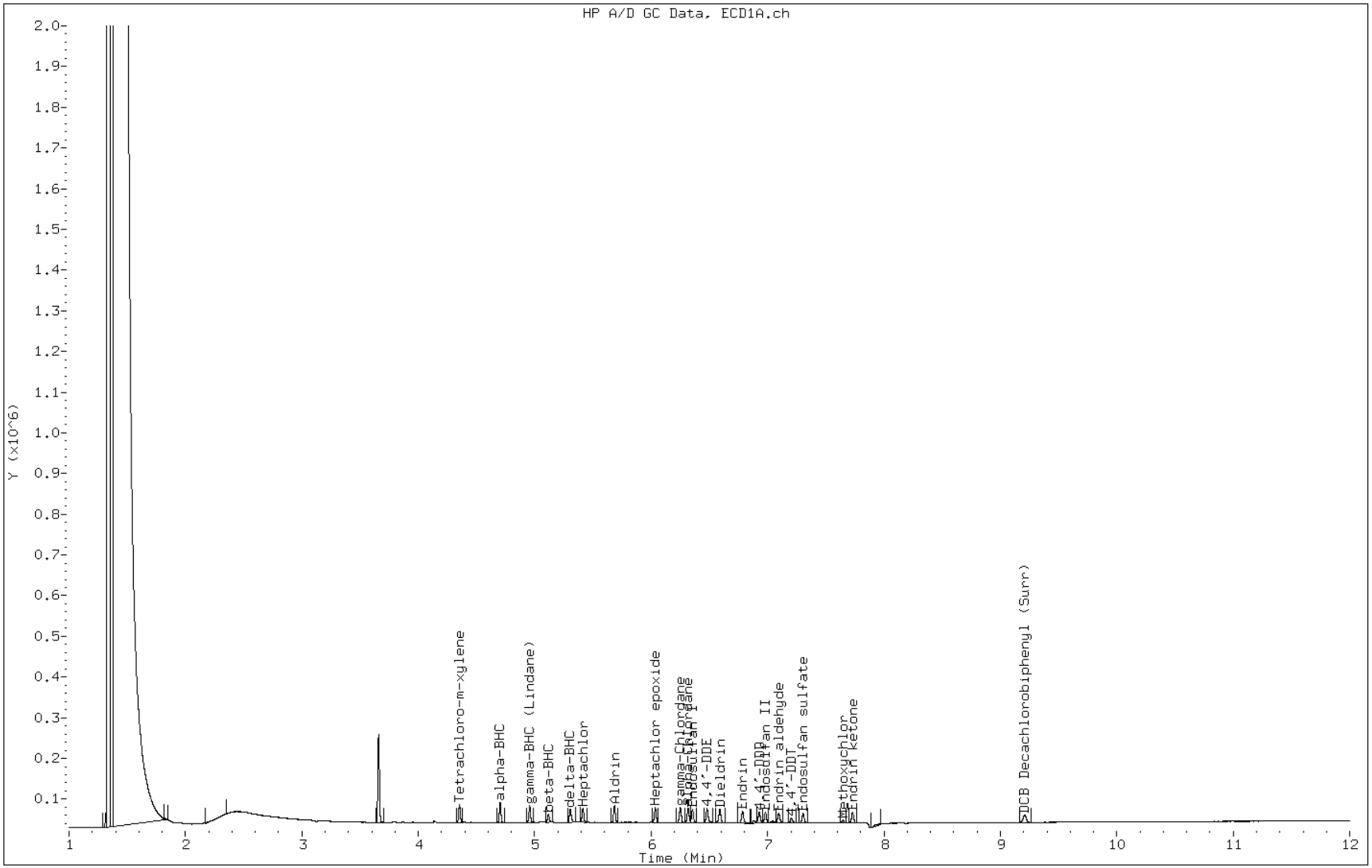
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 39 DCB Decachlorobiphenyl (Surr)	9.208	9.206	0.002	17485	0.00100	0.001385

Data File: Q10120000033.D

Date: 03-OCT-2012 12:52

Client ID: Instrument: gc15.i

Sample Info: IC 547574,2012.b Operator: 402331



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Report Date: 04-Oct-2012 07:35

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000034.D
Lab Smp Id: IC 547575
Inj Date : 03-OCT-2012 13:07
Operator : 402331 Inst ID: gc15.i
Smp Info : IC 547575,2012.b
Misc Info :
Comment : 8081 analysis
Method : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\TPESTA1.m
Meth Date : 04-Oct-2012 07:35 gc15.i Quant Type: ESTD
Cal Date : 03-OCT-2012 12:52 Cal File: Q10120000033.D
Als bottle: 105 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PESTCAL.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 4 Tetrachloro-m-xylene	4.353	4.353	0.000	197733	0.00500	0.004633
6 alpha-BHC	4.702	4.702	0.000	173736	0.00500	0.003511
7 gamma-BHC (Lindane)	4.955	4.955	0.000	138324	0.00500	0.003411
8 beta-BHC	5.117	5.116	0.001	59165	0.00500	0.003117
11 delta-BHC	5.304	5.303	0.001	103522	0.00500	0.003154
12 Heptachlor	5.413	5.413	0.000	112705	0.00500	0.003212
17 Aldrin	5.684	5.683	0.001	152477	0.00500	0.003747
20 Heptachlor epoxide	6.034	6.034	0.000	123473	0.00500	0.003396
24 gamma-Chlordane	6.250	6.250	0.000	119319	0.00500	0.003239
25 alpha-Chlordane	6.316	6.316	0.000	114474	0.00500	0.003217
26 Endosulfan I	6.354	6.354	0.000	103567	0.00500	0.003257
27 4,4'-DDE	6.478	6.478	0.000	138929	0.00500	0.004032
28 Dieldrin	6.589	6.590	-0.001	115561	0.00500	0.003456
30 Endrin	6.784	6.785	-0.001	95827	0.00500	0.003407
31 4,4'-DDD	6.927	6.927	0.000	83811	0.00500	0.003279
32 Endosulfan II	6.978	6.980	-0.002	87193	0.00500	0.003359
33 Endrin aldehyde	7.094	7.096	-0.002	74612	0.00500	0.003299
34 4,4'-DDT	7.203	7.203	0.000	39665	0.00500	0.003575
35 Endosulfan sulfate	7.304	7.304	0.000	70473	0.00500	0.003103
36 Methoxychlor	7.644	7.646	-0.002	22552	0.00500	0.003670
37 Endrin ketone	7.730	7.730	0.000	84279	0.00500	0.003315

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000034.D
Report Date: 04-Oct-2012 07:35

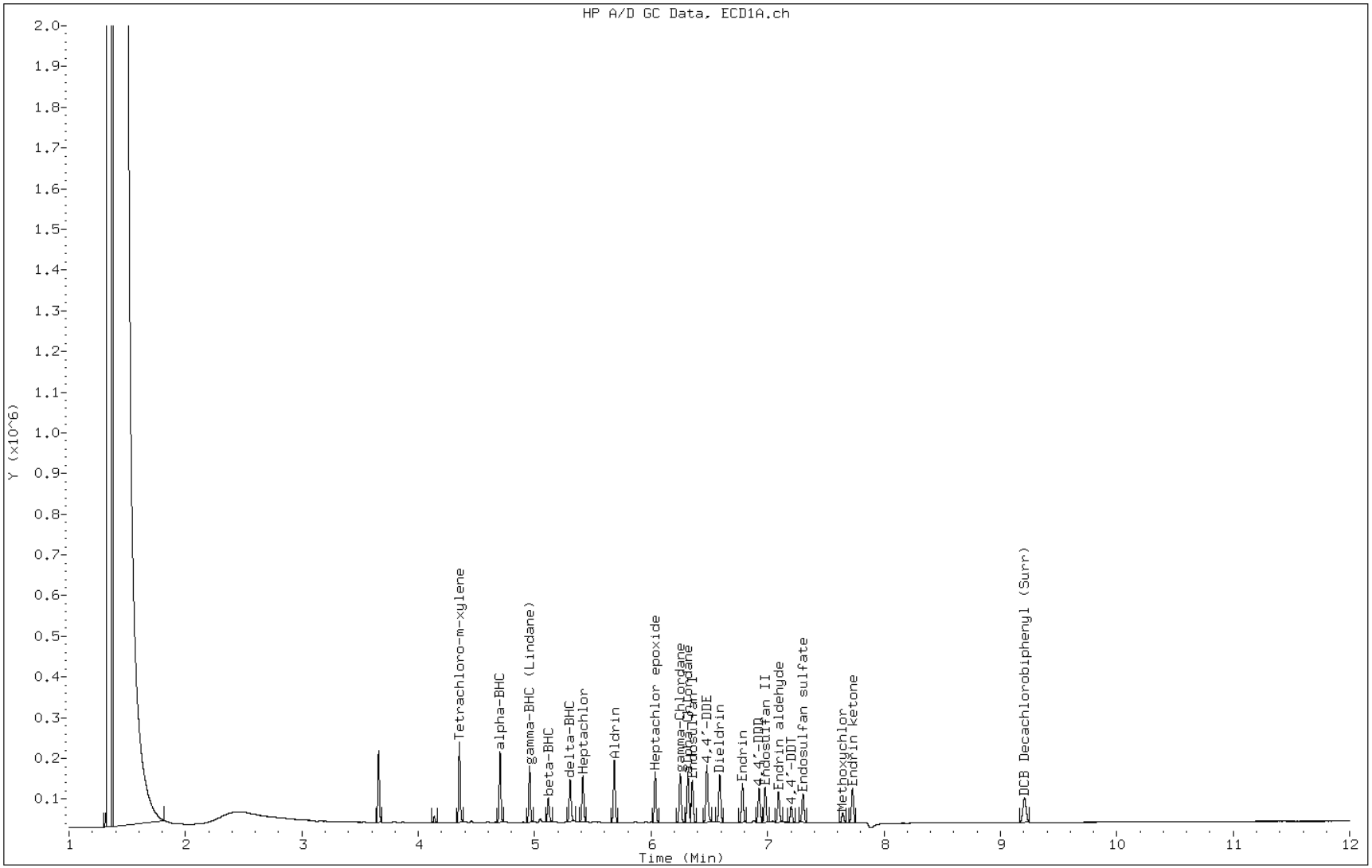
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 39 DCB Decachlorobiphenyl (Surr)	9.207	9.206	0.001	59586	0.00500	0.003958

Data File: Q10120000034.D

Date: 03-OCT-2012 13:07

Client ID: Instrument: gc15.i

Sample Info: IC 547575,2012.b Operator: 402331



Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000035.D
Report Date: 04-Oct-2012 07:35

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000035.D
Lab Smp Id: ICRT 547576
Inj Date : 03-OCT-2012 13:23
Operator : 402331 Inst ID: gc15.i
Smp Info : ICRT 547576,2012.b
Misc Info :
Comment : 8081 analysis
Method : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\TPESTA1.m
Meth Date : 04-Oct-2012 07:35 gc15.i Quant Type: ESTD
Cal Date : 03-OCT-2012 13:07 Cal File: Q10120000034.D
Als bottle: 106 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PESTCAL.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (mL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 4 Tetrachloro-m-xylene	4.353	4.353	0.000	991978	0.02500	0.02382
6 alpha-BHC	4.702	4.702	0.000	1141209	0.02500	0.02710
7 gamma-BHC (Lindane)	4.955	4.955	0.000	905996	0.02500	0.02656
8 beta-BHC	5.116	5.116	0.000	392842	0.02500	0.02550
11 delta-BHC	5.303	5.303	0.000	748203	0.02500	0.02796
12 Heptachlor	5.413	5.413	0.000	676185	0.02500	0.02346
17 Aldrin	5.683	5.683	0.000	929167	0.02500	0.02610
20 Heptachlor epoxide	6.034	6.034	0.000	761932	0.02500	0.02496
24 gamma-Chlordane	6.250	6.250	0.000	780244	0.02500	0.02571
25 alpha-Chlordane	6.316	6.316	0.000	759996	0.02500	0.02599
26 Endosulfan I	6.354	6.354	0.000	689160	0.02500	0.02625
27 4,4'-DDE	6.478	6.478	0.000	757717	0.02500	0.02435
28 Dieldrin	6.590	6.590	0.000	765883	0.02500	0.02709
30 Endrin	6.785	6.785	0.000	625678	0.02500	0.02646
31 4,4'-DDD	6.927	6.927	0.000	538462	0.02500	0.02544
32 Endosulfan II	6.980	6.980	0.000	563219	0.02500	0.02596
33 Endrin aldehyde	7.096	7.096	0.000	458485	0.02500	0.02443
34 4,4'-DDT	7.203	7.203	0.000	271770	0.02500	0.02856
35 Endosulfan sulfate	7.304	7.304	0.000	468557	0.02500	0.02546
36 Methoxychlor	7.646	7.646	0.000	132119	0.02500	0.02480
37 Endrin ketone	7.730	7.730	0.000	513792	0.02500	0.02431

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000035.D
Report Date: 04-Oct-2012 07:35

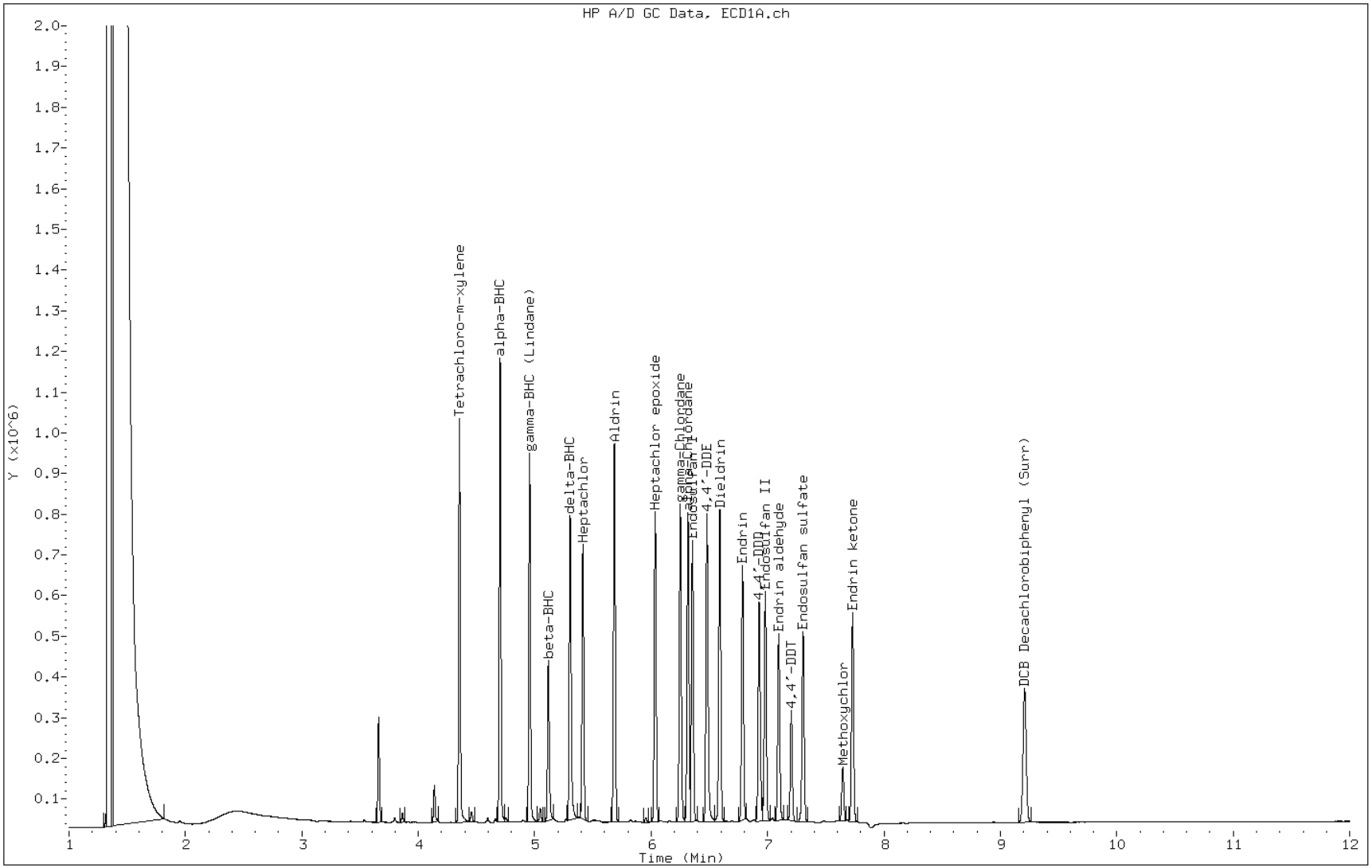
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 39 DCB Decachlorobiphenyl (Surr)	9.206	9.206	0.000	328743	0.02500	0.02347

Data File: Q10120000035.D

Date: 03-OCT-2012 13:23

Client ID: Instrument: gc15.i

Sample Info: ICRT 547576,2012.b Operator: 402331



Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000036.D
Report Date: 04-Oct-2012 07:35

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000036.D
Lab Smp Id: IC 547577
Inj Date : 03-OCT-2012 13:38
Operator : 402331 Inst ID: gc15.i
Smp Info : IC 547577,2012.b
Misc Info :
Comment : 8081 analysis
Method : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\TPESTA1.m
Meth Date : 04-Oct-2012 07:35 gc15.i Quant Type: ESTD
Cal Date : 03-OCT-2012 13:23 Cal File: Q10120000035.D
Als bottle: 107 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PESTCAL.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 4 Tetrachloro-m-xylene	4.353	4.353	0.000	1928012	0.05000	0.04622
6 alpha-BHC	4.702	4.702	0.000	2124334	0.05000	0.04907
7 gamma-BHC (Lindane)	4.956	4.955	0.001	1679976	0.05000	0.04825
8 beta-BHC	5.116	5.116	0.000	712759	0.05000	0.04596
11 delta-BHC	5.304	5.303	0.001	1377843	0.05000	0.04953
12 Heptachlor	5.414	5.413	0.001	1291767	0.05000	0.04576
17 Aldrin	5.684	5.683	0.001	1766824	0.05000	0.04892
20 Heptachlor epoxide	6.034	6.034	0.000	1394289	0.05000	0.04570
24 gamma-Chlordane	6.250	6.250	0.000	1425980	0.05000	0.04655
25 alpha-Chlordane	6.316	6.316	0.000	1388027	0.05000	0.04685
26 Endosulfan I	6.354	6.354	0.000	1231533	0.05000	0.04614
27 4,4'-DDE	6.478	6.478	0.000	1513782	0.05000	0.04907
28 Dieldrin	6.589	6.590	-0.001	1414622	0.05000	0.04868
30 Endrin	6.784	6.785	-0.001	1112408	0.05000	0.04614
31 4,4'-DDD	6.928	6.927	0.001	991538	0.05000	0.04658
32 Endosulfan II	6.980	6.980	0.000	1004714	0.05000	0.04572
33 Endrin aldehyde	7.094	7.096	-0.002	801982	0.05000	0.04306
34 4,4'-DDT	7.204	7.203	0.001	574029	0.05000	0.05760
35 Endosulfan sulfate	7.304	7.304	0.000	843657	0.05000	0.04556
36 Methoxychlor	7.645	7.646	-0.001	280619	0.05000	0.05281
37 Endrin ketone	7.729	7.730	-0.001	943609	0.05000	0.04506

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000036.D
Report Date: 04-Oct-2012 07:35

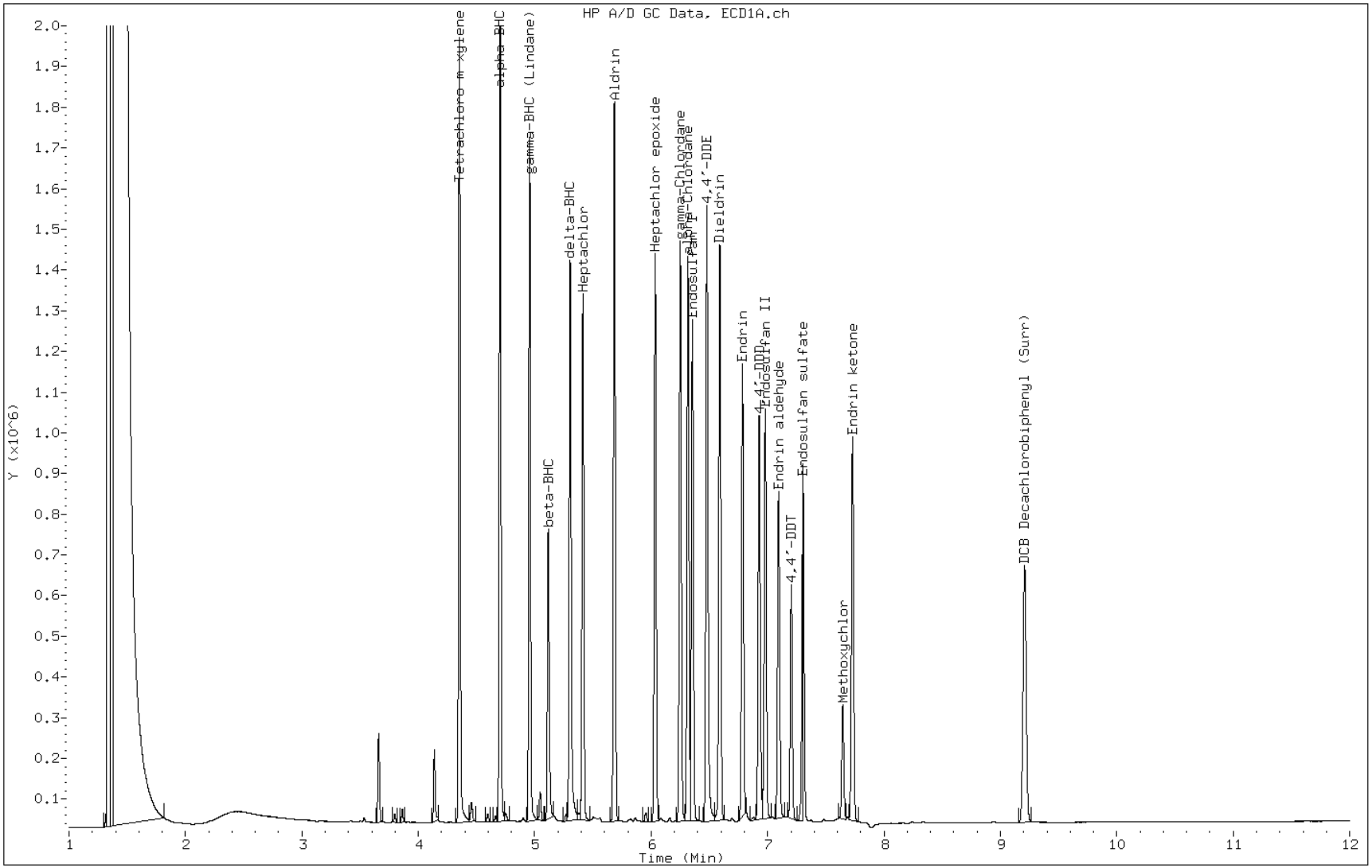
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 39 DCB Decachlorobiphenyl (Surr)	9.207	9.206	0.001	629872	0.05000	0.04441

Data File: Q10120000036.D

Date: 03-OCT-2012 13:38

Client ID: Instrument: gc15.i

Sample Info: IC 547577,2012.b Operator: 402331



Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000037.D
Report Date: 04-Oct-2012 07:35

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000037.D
Lab Smp Id: IC 547578
Inj Date : 03-OCT-2012 13:54
Operator : 402331 Inst ID: gc15.i
Smp Info : IC 547578,2012.b
Misc Info :
Comment : 8081 analysis
Method : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\TPESTA1.m
Meth Date : 04-Oct-2012 07:35 gc15.i Quant Type: ESTD
Cal Date : 03-OCT-2012 13:38 Cal File: Q10120000036.D
Als bottle: 108 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PESTCAL.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 4 Tetrachloro-m-xylene	4.352	4.353	-0.001	4106316	0.10000	0.1003
6 alpha-BHC	4.701	4.702	-0.001	4821434	0.10000	0.1119
7 gamma-BHC (Lindane)	4.955	4.955	0.000	3835868	0.10000	0.1111
8 beta-BHC	5.115	5.116	-0.001	1691247	0.10000	0.1113
11 delta-BHC	5.302	5.303	-0.001	3269563	0.10000	0.1178
12 Heptachlor	5.413	5.413	0.000	3221190	0.10000	0.1166
17 Aldrin	5.684	5.683	0.001	3764300	0.10000	0.1048
20 Heptachlor epoxide	6.034	6.034	0.000	3059568	0.10000	0.1025
24 gamma-Chlordane	6.249	6.250	-0.001	3232857	0.10000	0.1074
25 alpha-Chlordane	6.316	6.316	0.000	3116870	0.10000	0.1069
26 Endosulfan I	6.354	6.354	0.000	2691692	0.10000	0.1028
27 4,4'-DDE	6.478	6.478	0.000	3106845	0.10000	0.1012
28 Dieldrin	6.588	6.590	-0.002	3080676	0.10000	0.1067
30 Endrin	6.784	6.785	-0.001	2427974	0.10000	0.1027
31 4,4'-DDD	6.926	6.927	-0.001	2179403	0.10000	0.1042
32 Endosulfan II	6.979	6.980	-0.001	2334238	0.10000	0.1085
33 Endrin aldehyde	7.094	7.096	-0.002	1860617	0.10000	0.1035
34 4,4'-DDT	7.203	7.203	0.000	1540538	0.10000	0.1489
35 Endosulfan sulfate	7.303	7.304	-0.001	1931483	0.10000	0.1067
36 Methoxychlor	7.644	7.646	-0.002	703028	0.10000	0.1305
37 Endrin ketone	7.728	7.730	-0.002	2206545	0.10000	0.1080

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000037.D
Report Date: 04-Oct-2012 07:35

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 39 DCB Decachlorobiphenyl (Surr)	9.207	9.206	0.001	1305553	0.10000	0.09469

Data File: Q10120000037.D

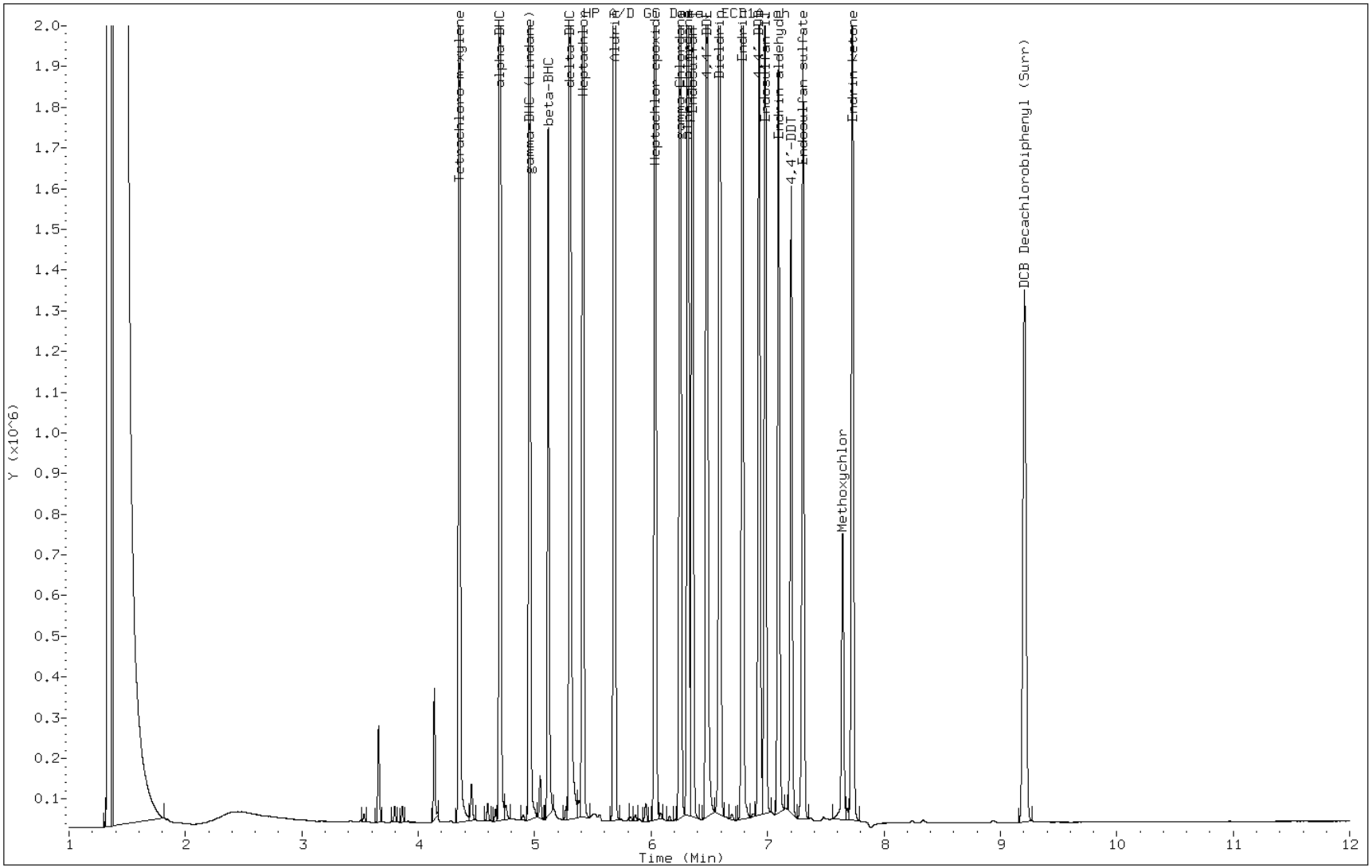
Date: 03-OCT-2012 13:54

Client ID:

Instrument: gc15.i

Sample Info: IC 547578,2012.b

Operator: 402331



Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000038.D
Report Date: 04-Oct-2012 07:35

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000038.D
Lab Smp Id: IC 547585
Inj Date : 03-OCT-2012 14:10
Operator : 402331 Inst ID: gc15.i
Smp Info : IC 547585,2012.b
Misc Info :
Comment : 8081 analysis
Method : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\TPESTA1.m
Meth Date : 04-Oct-2012 07:35 gc15.i Quant Type: ESTD
Cal Date : 03-OCT-2012 13:54 Cal File: Q10120000037.D
Als bottle: 109 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PESTCAL.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 4 Tetrachloro-m-xylene	4.354	4.353	0.001	8014537	0.20000	0.1957
6 alpha-BHC	4.703	4.702	0.001	9561828	0.20000	0.2167(A)
7 gamma-BHC (Lindane)	4.957	4.955	0.002	7631076	0.20000	0.2163(A)
8 beta-BHC	5.117	5.116	0.001	3271630	0.20000	0.2105(A)
11 delta-BHC	5.304	5.303	0.001	6521764	0.20000	0.2269(A)
12 Heptachlor	5.415	5.413	0.002	5872737	0.20000	0.2057(A)
17 Aldrin	5.684	5.683	0.001	7090938	0.20000	0.1955
20 Heptachlor epoxide	6.036	6.034	0.002	5542242	0.20000	0.1847
24 gamma-Chlordane	6.251	6.250	0.001	6068693	0.20000	0.1986
25 alpha-Chlordane	6.317	6.316	0.001	5911552	0.20000	0.2000
26 Endosulfan I	6.355	6.354	0.001	5082938	0.20000	0.1931
27 4,4'-DDE	6.479	6.478	0.001	6037224	0.20000	0.1961
28 Dieldrin	6.590	6.590	0.000	5798299	0.20000	0.1982
30 Endrin	6.785	6.785	0.000	4521920	0.20000	0.1902
31 4,4'-DDD	6.927	6.927	0.000	4294139	0.20000	0.2035(A)
32 Endosulfan II	6.981	6.980	0.001	4287797	0.20000	0.1960
33 Endrin aldehyde	7.095	7.096	-0.001	3657091	0.20000	0.2020(A)
34 4,4'-DDT	7.204	7.203	0.001	3180022	0.20000	0.2800(A)
35 Endosulfan sulfate	7.305	7.304	0.001	3609712	0.20000	0.1967
36 Methoxychlor	7.646	7.646	0.000	1339541	0.20000	0.2343(A)
37 Endrin ketone	7.731	7.730	0.001	4079024	0.20000	0.1965

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000038.D
Report Date: 04-Oct-2012 07:35

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 39 DCB Decachlorobiphenyl (Surr)	9.208	9.206	0.002	2594618	0.20000	0.1902

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: Q10120000038.D

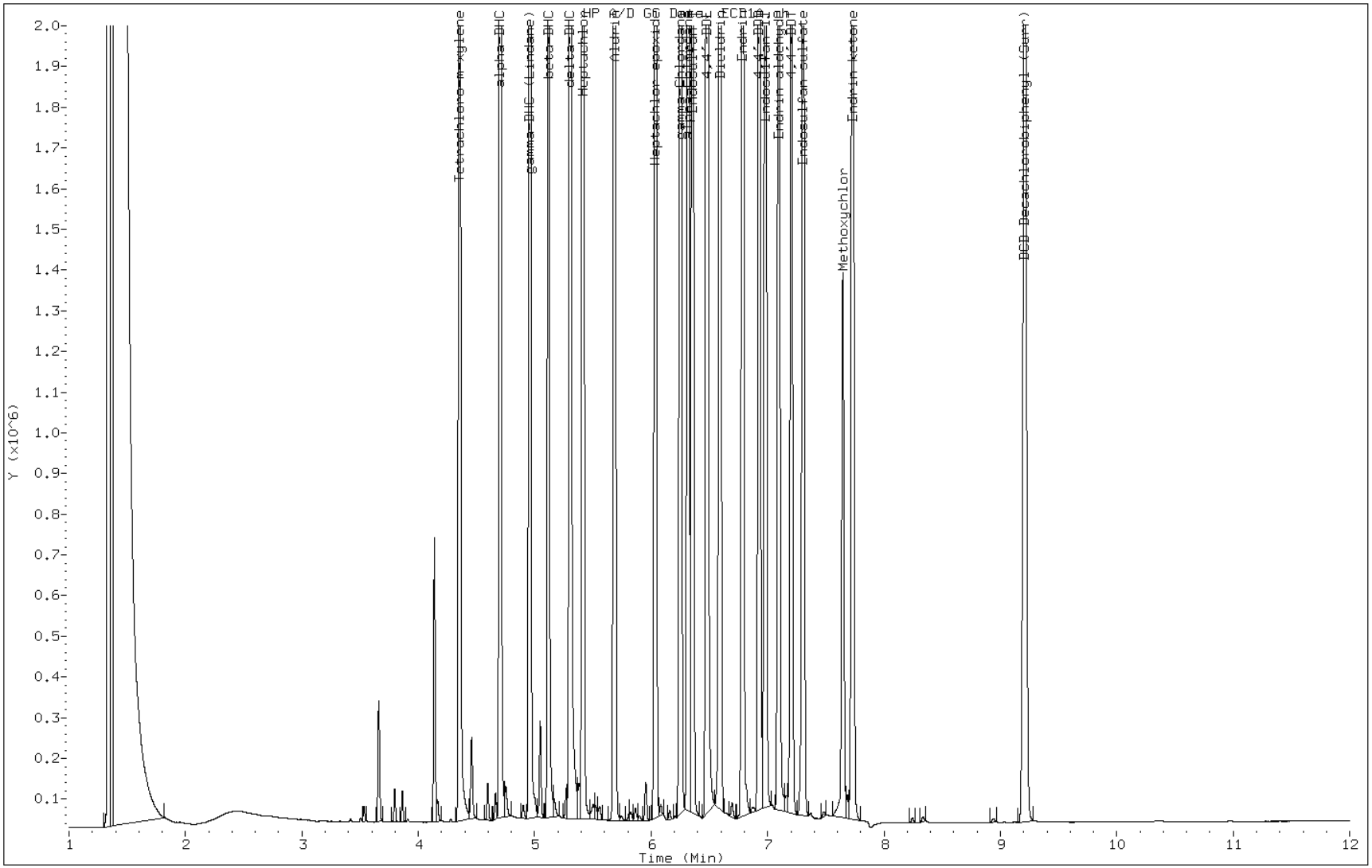
Date: 03-OCT-2012 14:10

Client ID:

Instrument: gc15.i

Sample Info: IC 547585,2012.b

Operator: 402331



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 50786

SDG No.:

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/03/2012 12:52 Calibration End Date: 10/03/2012 14:10 Calibration ID: 6803

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-50786/4	R10120000033.D
Level 2	IC 180-50786/5	R10120000034.D
Level 3	ICRT 180-50786/6	R10120000035.D
Level 4	IC 180-50786/7	R10120000036.D
Level 5	IC 180-50786/8	R10120000037.D
Level 6	IC 180-50786/9	R10120000038.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
alpha-BHC	5.417	5.419	5.418	5.419	5.420	5.420					5.368 - 5.468	5.419
gamma-BHC (Lindane)	5.707	5.707	5.707	5.707	5.708	5.708					5.657 - 5.757	5.707
beta-BHC	5.934	5.935	5.935	5.935	5.936	5.935					5.885 - 5.985	5.935
Heptachlor	6.012	6.013	6.013	6.014	6.015	6.015					5.963 - 6.063	6.014
delta-BHC	6.156	6.157	6.157	6.157	6.158	6.157					6.107 - 6.207	6.157
Aldrin	6.271	6.271	6.271	6.272	6.273	6.273					6.221 - 6.321	6.272
Heptachlor epoxide	6.702	6.703	6.702	6.703	6.704	6.704					6.652 - 6.752	6.703
gamma-Chlordane	6.918	6.920	6.921	6.921	6.922	6.922					6.871 - 6.971	6.920
alpha-Chlordane	6.978	6.979	6.979	6.978	6.980	6.980					6.929 - 7.029	6.979
Endosulfan I	7.045	7.045	7.046	7.046	7.047	7.047					6.996 - 7.096	7.046
4,4'-DDE	7.111	7.112	7.112	7.112	7.112	7.113					7.062 - 7.162	7.112
Dieldrin	7.282	7.282	7.283	7.283	7.284	7.284					7.233 - 7.333	7.283
Endrin	7.541	7.542	7.543	7.542	7.543	7.544					7.493 - 7.593	7.542
4,4'-DDD	7.615	7.614	7.615	7.615	7.615	7.615					7.565 - 7.665	7.615
Endosulfan II	7.798	7.798	7.798	7.798	7.799	7.799					7.748 - 7.848	7.798
4,4'-DDT	7.851	7.850	7.851	7.851	7.851	7.852					7.801 - 7.901	7.851
Endrin aldehyde	7.958	7.957	7.959	7.958	7.959	7.958					7.909 - 8.009	7.958
Endosulfan sulfate	8.167	8.167	8.169	8.168	8.169	8.168					8.119 - 8.219	8.168
Methoxychlor	8.393	8.392	8.394	8.393	8.393	8.393					8.344 - 8.444	8.393
Endrin ketone	8.751	8.750	8.752	8.752	8.752	8.752					8.702 - 8.802	8.751
Tetrachloro-m-xylene	4.973	4.974	4.974	4.975	4.976	4.975					4.924 - 5.024	4.975
DCB Decachlorobiphenyl (Surr)	10.321	10.319	10.320	10.321	10.321	10.322					10.270 - 10.370	10.321

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 50786

SDG No.:

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/03/2012 12:52 Calibration End Date: 10/03/2012 14:10 Calibration ID: 6803

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-50786/4	R10120000033.D
Level 2	IC 180-50786/5	R10120000034.D
Level 3	ICRT 180-50786/6	R10120000035.D
Level 4	IC 180-50786/7	R10120000036.D
Level 5	IC 180-50786/8	R10120000037.D
Level 6	IC 180-50786/9	R10120000038.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
alpha-BHC	20559000 23722580	14789800 23311805	21365080	20735340	Ave		20747267.5				15.4		20.0			
gamma-BHC (Lindane)	18232000 18793760	12074200 18446020	16865200	15941360	Ave		16725423.3				15.1		20.0			
beta-BHC	10494000 8584180	6645800 8436190	8077520	7620920	Ave		8309768.33				15.4		20.0			
Heptachlor	15737000 14017040	10117400 13238125	11802480	11455900	Ave		12727990.8				15.8		20.0			
delta-BHC	16257000 16288570	10425200 15666715	14517200	13777920	Ave		14488767.5				15.4		20.0			
Aldrin	18783000 16594470	13115600 15485940	16171120	15565860	Ave		15952665.0				11.5		20.0			
Heptachlor epoxide	15016000 11599210	9627200 10698000	11699000	10717280	Ave		11559448.3				16.0		20.0			
gamma-Chlordane	13454000 10849110	8151600 10411935	10441920	9808000	Ave		10519427.5				16.4		20.0			
alpha-Chlordane	13170000 10457550	8117400 9832660	10117200	9255840	Ave		10158441.7				16.6		20.0			
Endosulfan I	11360000 8815130	7028000 8405625	8714480	8015700	Ave		8723155.83				16.6		20.0			
4,4'-DDE	13765000 10993790	10151600 10715990	10655600	10624860	Ave		11151140.0				11.7		20.0			
Dieldrin	11403000 9661620	7292800 9283765	9373640	8738940	Ave		9292294.17				14.4		20.0			
Endrin	8811000 7692660	5668400 7260695	7312560	6812700	Ave		7259669.17				14.2		20.0			
4,4'-DDD	10143000 8845300	6350000 8739965	8426680	8005540	Ave		8418414.17				14.7		20.0			
Endosulfan II	9783000 9126060	6413400 8776555	8670120	7912160	Ave		8446882.50				13.8		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 50786

SDG No.:

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/03/2012 12:52 Calibration End Date: 10/03/2012 14:10 Calibration ID: 6803

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
4,4'-DDT	4210000 6642100	3340800 6836265	4484440	4870320	Qua	0.00438390	1.6016 E-007	-1.29974 E-014					20.0	0.9962		0.9900
Endrin aldehyde	9590000 8088870	6149200 7783695	7810400	6930440	Ave		7725434.17				15.0		20.0			
Endosulfan sulfate	9233000 8598230	5886600 8308260	8142160	7426980	Ave		7932538.33				14.7		20.0			
Methoxychlor	2937000 3284870	2065800 3257705	2451440	2554420	Ave		2758539.17				17.6		20.0			
Endrin ketone	9363000 9053880	6369600 8629665	8021400	7496340	Ave		8155647.50				13.6		20.0			
Tetrachloro-m-xylene	21822000 20139990	18256200 19849075	19643200	19515940	Ave		19871067.5				5.8		20.0			
DCB Decachlorobiphenyl (Surr)	8175000 6227000	5618200 6062580	6033640	5759700	Ave		6312686.67				14.9		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 50786

SDG No.:

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/03/2012 12:52 Calibration End Date: 10/03/2012 14:10 Calibration ID: 6803

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-50786/4	R10120000033.D
Level 2	IC 180-50786/5	R10120000034.D
Level 3	ICRT 180-50786/6	R10120000035.D
Level 4	IC 180-50786/7	R10120000036.D
Level 5	IC 180-50786/8	R10120000037.D
Level 6	IC 180-50786/9	R10120000038.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	Ave	20559 4662361	73949	534127	1036767	2372258	0.00100 0.200	0.00500	0.0250	0.0500	0.100
gamma-BHC (Lindane)	Ave	18232 3689204	60371	421630	797068	1879376	0.00100 0.200	0.00500	0.0250	0.0500	0.100
beta-BHC	Ave	10494 1687238	33229	201938	381046	858418	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Heptachlor	Ave	15737 2647625	50587	295062	572795	1401704	0.00100 0.200	0.00500	0.0250	0.0500	0.100
delta-BHC	Ave	16257 3133343	52126	362930	688896	1628857	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Aldrin	Ave	18783 3097188	65578	404278	778293	1659447	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Heptachlor epoxide	Ave	15016 2139600	48136	292475	535864	1159921	0.00100 0.200	0.00500	0.0250	0.0500	0.100
gamma-Chlordane	Ave	13454 2082387	40758	261048	490400	1084911	0.00100 0.200	0.00500	0.0250	0.0500	0.100
alpha-Chlordane	Ave	13170 1966532	40587	252930	462792	1045755	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endosulfan I	Ave	11360 1681125	35140	217862	400785	881513	0.00100 0.200	0.00500	0.0250	0.0500	0.100
4,4'-DDE	Ave	13765 2143198	50758	266390	531243	1099379	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Dieldrin	Ave	11403 1856753	36464	234341	436947	966162	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endrin	Ave	8811 1452139	28342	182814	340635	769266	0.00100 0.200	0.00500	0.0250	0.0500	0.100
4,4'-DDD	Ave	10143 1747993	31750	210667	400277	884530	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endosulfan II	Ave	9783 1755311	32067	216753	395608	912606	0.00100 0.200	0.00500	0.0250	0.0500	0.100
4,4'-DDT	Qua	4210 1367253	16704	112111	243516	664210	0.00100 0.200	0.00500	0.0250	0.0500	0.100

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 50786

SDG No.:

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/03/2012 12:52 Calibration End Date: 10/03/2012 14:10 Calibration ID: 6803

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Endrin aldehyde	Ave	9590 1556739	30746	195260	346522	808887	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endosulfan sulfate	Ave	9233 1661652	29433	203554	371349	859823	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Methoxychlor	Ave	2937 651541	10329	61286	127721	328487	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endrin ketone	Ave	9363 1725933	31848	200535	374817	905388	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Tetrachloro-m-xylene	Ave	21822 3969815	91281	491080	975797	2013999	0.00100 0.200	0.00500	0.0250	0.0500	0.100
DCB Decachlorobiphenyl (Surr)	Ave	8175 1212516	28091	150841	287985	622700	0.00100 0.200	0.00500	0.0250	0.0500	0.100

Curve Type Legend:

Ave = Average by Height
Qua = Quadratic by Height

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000033.D
Report Date: 04-Oct-2012 07:57

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000033.D
Lab Smp Id: IC 547574
Inj Date : 03-OCT-2012 12:52
Operator : 402331 Inst ID: gc15.i
Smp Info : IC 547574,2012.b
Misc Info :
Comment : 8081 Analysis
Method : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\TPESTB2.m
Meth Date : 04-Oct-2012 07:57 gc15.i Quant Type: ESTD
Cal Date : 03-OCT-2012 12:36 Cal File: R10120000032.D
Als bottle: 104 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PESTCAL.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 4 Tetrachloro-m-xylene	4.973	4.974	-0.001	21822	0.00100	0.001121(a)
6 alpha-BHC	5.417	5.418	-0.001	20559	0.00100	0.0000(a)
7 gamma-BHC (Lindane)	5.706	5.706	0.000	18232	0.00100	0.0000(a)
10 beta-BHC	5.934	5.934	0.000	10494	0.00100	0.0000(a)
11 Heptachlor	6.012	6.013	-0.001	15737	0.00100	0.0000(a)
13 delta-BHC	6.156	6.156	0.000	16257	0.00100	0.0000(a)
17 Aldrin	6.271	6.270	0.001	18783	0.00100	0.0000(a)
21 Heptachlor epoxide	6.702	6.702	0.000	15016	0.00100	0.0000(a)
24 gamma-Chlordane	6.918	6.920	-0.002	13454	0.00100	0.0000(a)
25 alpha-Chlordane	6.978	6.979	-0.001	13170	0.00100	0.0000(a)
26 Endosulfan I	7.045	7.046	-0.001	11360	0.00100	0.0000(a)
27 4,4'-DDE	7.111	7.111	0.000	13765	0.00100	0.0000(a)
28 Dieldrin	7.282	7.282	0.000	11403	0.00100	0.0000(a)
29 Endrin	7.540	7.542	-0.002	8811	0.00100	0.0000(a)
30 4,4'-DDD	7.614	7.615	-0.001	10143	0.00100	0.0000(a)
32 Endosulfan II	7.797	7.798	-0.001	9783	0.00100	0.0000(a)
33 4,4'-DDT	7.851	7.850	0.001	4210	0.00100	0.0000(a)
34 Endrin aldehyde	7.958	7.958	0.000	9590	0.00100	0.0000(a)
35 Endosulfan sulfate	8.167	8.168	-0.001	9233	0.00100	0.0000(a)
36 Methoxychlor	8.393	8.393	0.000	2937	0.00100	0.0000(a)
38 Endrin ketone	8.751	8.751	0.000	9363	0.00100	0.0000(a)

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000033.D
Report Date: 04-Oct-2012 07:57

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 39 DCB Decachlorobiphenyl (Surr)	10.321	10.319	0.002	8175	0.00100	0.001365

QC Flag Legend

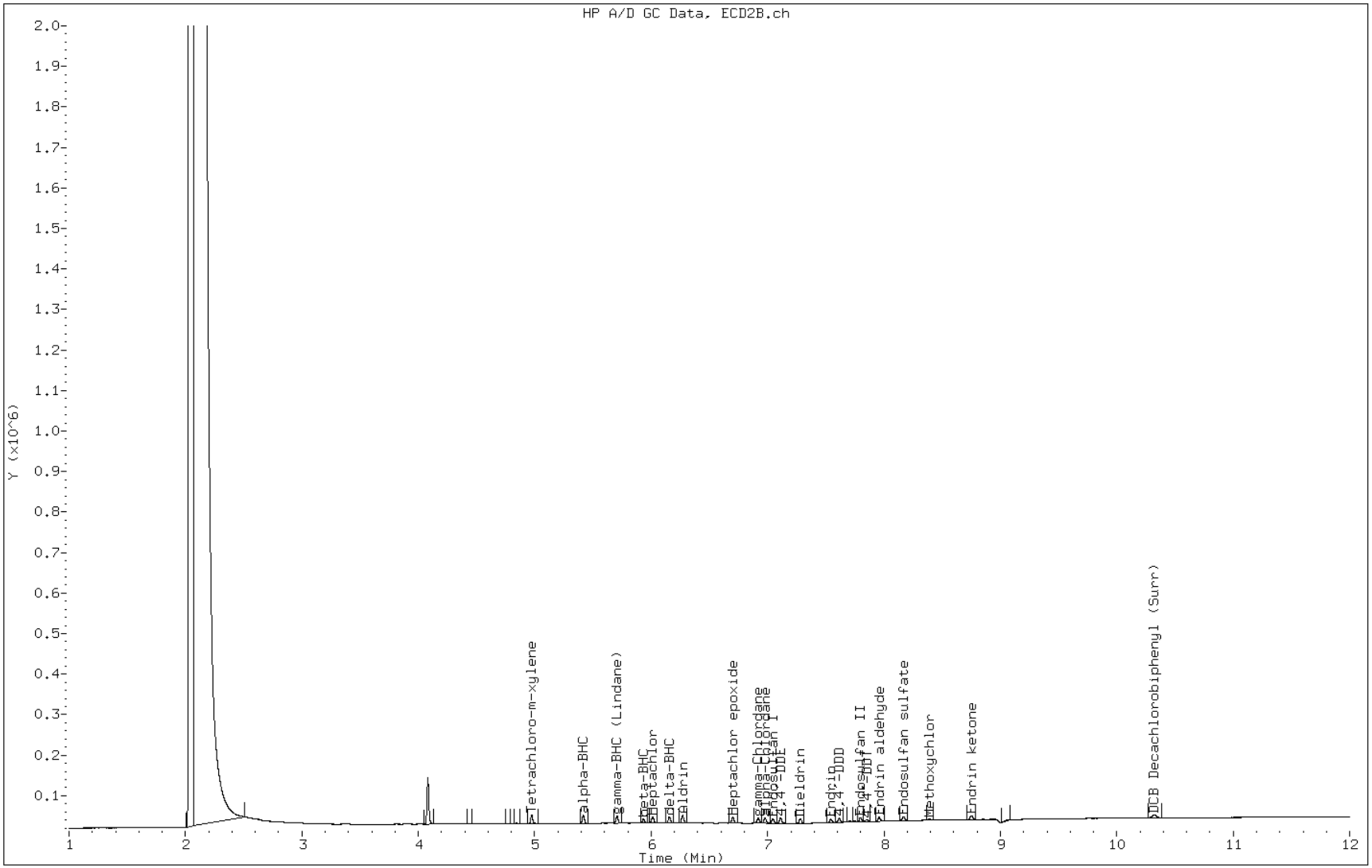
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: R10120000033.D

Date: 03-OCT-2012 12:52

Client ID: Instrument: gc15.i

Sample Info: IC 547574,2012.b Operator: 402331



Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000034.D
Report Date: 04-Oct-2012 07:57

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000034.D
Lab Smp Id: IC 547575
Inj Date : 03-OCT-2012 13:07
Operator : 402331 Inst ID: gc15.i
Smp Info : IC 547575,2012.b
Misc Info :
Comment : 8081 Analysis
Method : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\TPESTB2.m
Meth Date : 04-Oct-2012 07:57 gc15.i Quant Type: ESTD
Cal Date : 03-OCT-2012 12:52 Cal File: R10120000033.D
Als bottle: 105 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PESTCAL.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 4 Tetrachloro-m-xylene	4.974	4.974	0.000	91281	0.00500	0.004422(a)
6 alpha-BHC	5.419	5.418	0.001	73949	0.00500	0.003597(a)
7 gamma-BHC (Lindane)	5.706	5.706	0.000	60371	0.00500	0.003311(a)
10 beta-BHC	5.934	5.934	0.000	33229	0.00500	0.003166(a)
11 Heptachlor	6.013	6.013	0.000	50587	0.00500	0.003214(a)
13 delta-BHC	6.156	6.156	0.000	52126	0.00500	0.003206(a)
17 Aldrin	6.270	6.270	0.000	65578	0.00500	0.003491(a)
21 Heptachlor epoxide	6.703	6.702	0.001	48136	0.00500	0.003206(a)
24 gamma-Chlordane	6.920	6.920	0.000	40758	0.00500	0.003029(a)
25 alpha-Chlordane	6.979	6.979	0.000	40587	0.00500	0.003082(a)
26 Endosulfan I	7.045	7.046	-0.001	35140	0.00500	0.003093(a)
27 4,4'-DDE	7.112	7.111	0.001	50758	0.00500	0.003687(a)
28 Dieldrin	7.282	7.282	0.000	36464	0.00500	0.003198(a)
29 Endrin	7.541	7.542	-0.001	28342	0.00500	0.003217(a)
30 4,4'-DDD	7.614	7.615	-0.001	31750	0.00500	0.003130(a)
32 Endosulfan II	7.797	7.798	-0.001	32067	0.00500	0.003278(a)
33 4,4'-DDT	7.850	7.850	0.000	16704	0.00500	0.003968(a)
34 Endrin aldehyde	7.957	7.958	-0.001	30746	0.00500	0.003206(a)
35 Endosulfan sulfate	8.167	8.168	-0.001	29433	0.00500	0.003188(a)
36 Methoxychlor	8.392	8.393	-0.001	10329	0.00500	0.003517(a)
38 Endrin ketone	8.750	8.751	-0.001	31848	0.00500	0.003401(a)

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000034.D
Report Date: 04-Oct-2012 07:57

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 39 DCB Decachlorobiphenyl (Surr)	10.319	10.319	0.000	28091	0.00500	0.003967

QC Flag Legend

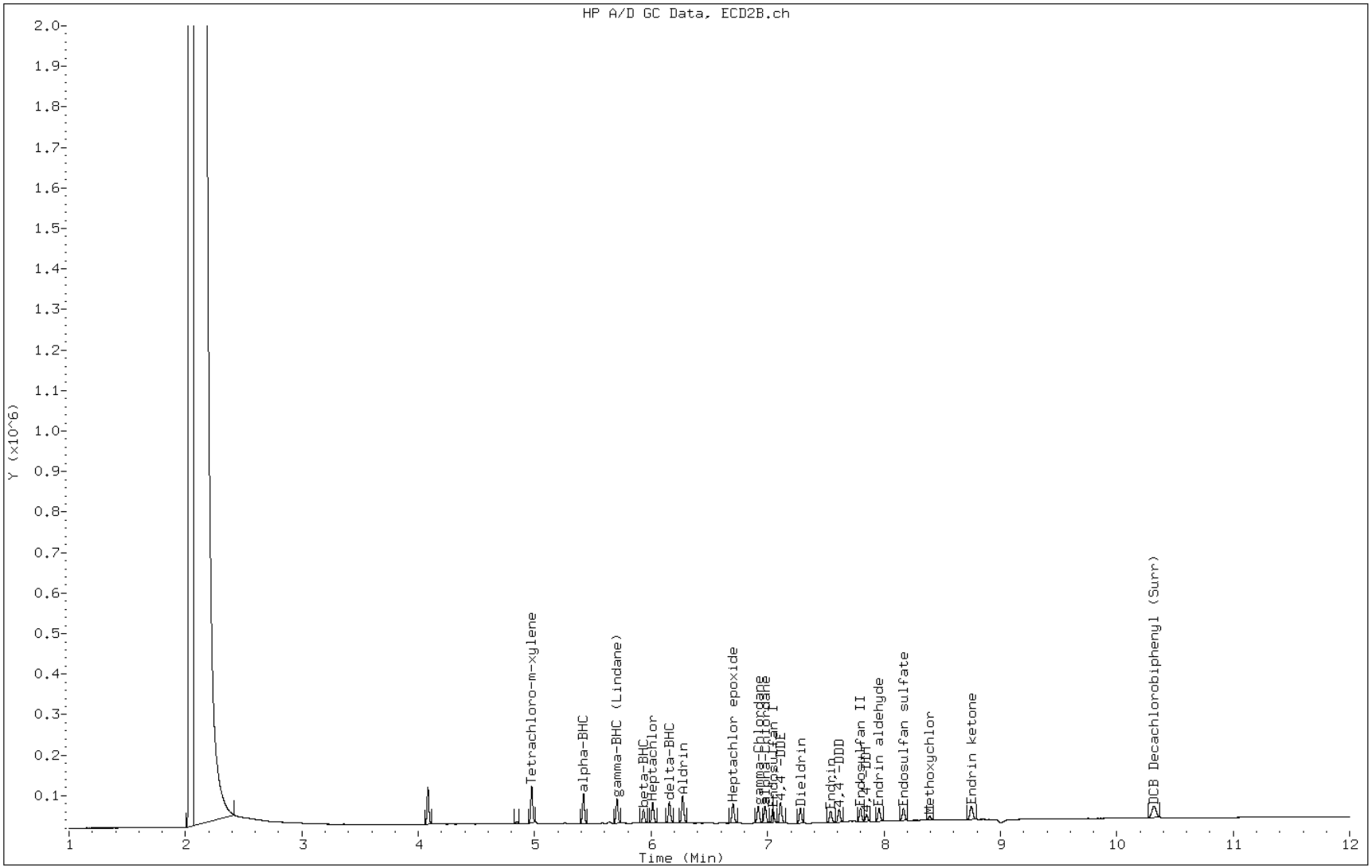
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: R10120000034.D

Date: 03-OCT-2012 13:07

Client ID: Instrument: gc15.i

Sample Info: IC 547575,2012.b Operator: 402331



Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000035.D
Report Date: 04-Oct-2012 07:57

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000035.D
Lab Smp Id: ICRT 547576
Inj Date : 03-OCT-2012 13:23
Operator : 402331 Inst ID: gc15.i
Smp Info : ICRT 547576,2012.b
Misc Info :
Comment : 8081 Analysis
Method : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\TPESTB2.m
Meth Date : 04-Oct-2012 07:57 gc15.i Quant Type: ESTD
Cal Date : 03-OCT-2012 13:07 Cal File: R10120000034.D
Als bottle: 106 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PESTCAL.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (mL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 4 Tetrachloro-m-xylene	4.974	4.974	0.000	491080	0.02500	0.02474
6 alpha-BHC	5.418	5.418	0.000	534127	0.02500	0.03022
7 gamma-BHC (Lindane)	5.706	5.706	0.000	421630	0.02500	0.02782
10 beta-BHC	5.934	5.934	0.000	201938	0.02500	0.02356
11 Heptachlor	6.013	6.013	0.000	295062	0.02500	0.02282
13 delta-BHC	6.156	6.156	0.000	362930	0.02500	0.02720
17 Aldrin	6.270	6.270	0.000	404278	0.02500	0.02535
21 Heptachlor epoxide	6.702	6.702	0.000	292475	0.02500	0.02374
24 gamma-Chlordane	6.920	6.920	0.000	261048	0.02500	0.02416
25 alpha-Chlordane	6.979	6.979	0.000	252930	0.02500	0.02376
26 Endosulfan I	7.046	7.046	0.000	217862	0.02500	0.02370
27 4,4'-DDE	7.111	7.111	0.000	266390	0.02500	0.02228
28 Dieldrin	7.282	7.282	0.000	234341	0.02500	0.02507
29 Endrin	7.542	7.542	0.000	182814	0.02500	0.02525
30 4,4'-DDD	7.615	7.615	0.000	210667	0.02500	0.02555
32 Endosulfan II	7.798	7.798	0.000	216753	0.02500	0.02676
33 4,4'-DDT	7.850	7.850	0.000	112111	0.02500	0.02970
34 Endrin aldehyde	7.958	7.958	0.000	195260	0.02500	0.02481
35 Endosulfan sulfate	8.168	8.168	0.000	203554	0.02500	0.02692
36 Methoxychlor	8.393	8.393	0.000	61286	0.02500	0.02450
38 Endrin ketone	8.751	8.751	0.000	200535	0.02500	0.02549

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000035.D
Report Date: 04-Oct-2012 07:57

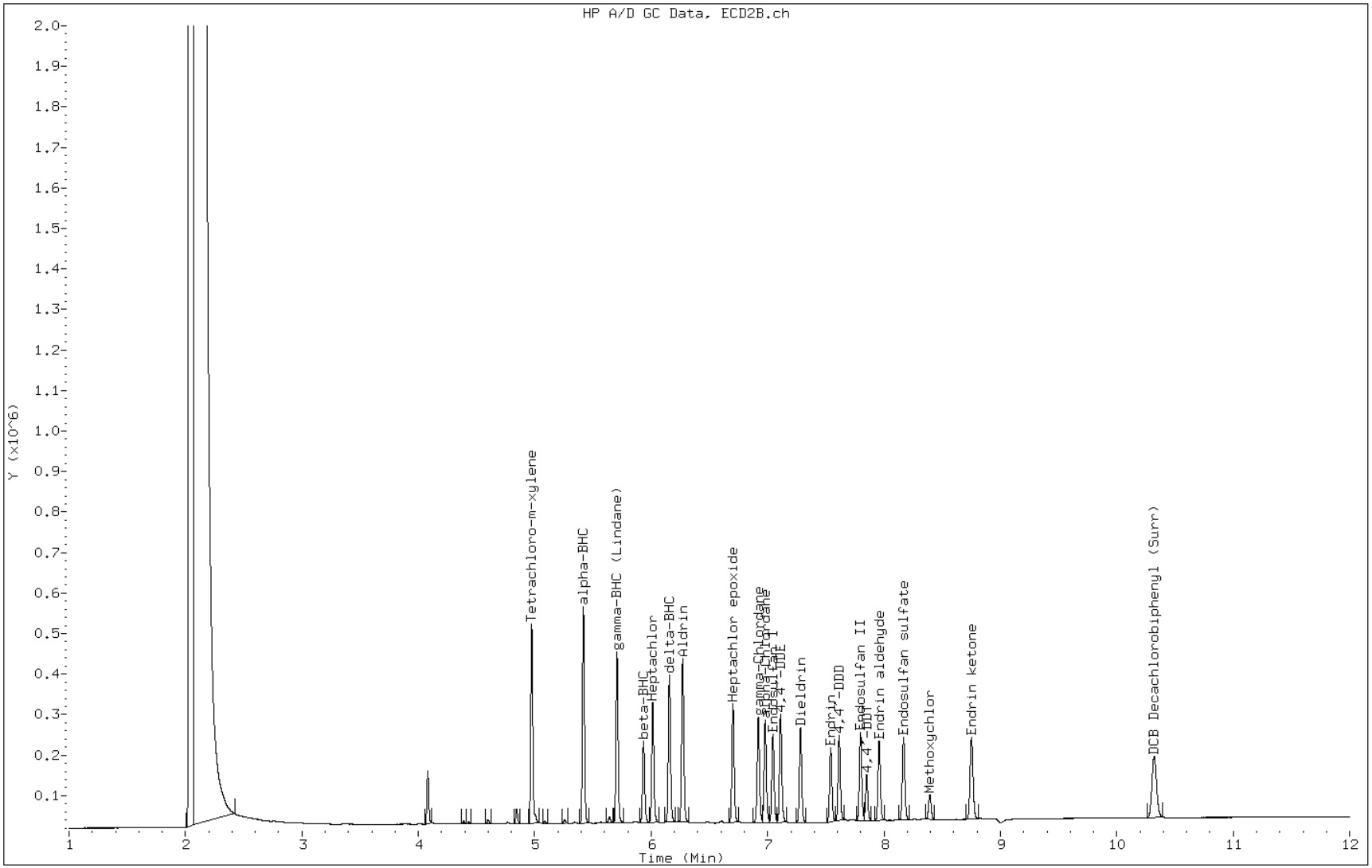
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 39 DCB Decachlorobiphenyl (Surr)	10.319	10.319	0.000	150841	0.02500	0.02288

Data File: R10120000035.D

Date: 03-OCT-2012 13:23

Client ID: Instrument: gc15.i

Sample Info: ICRT 547576,2012.b Operator: 402331



Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000036.D
Report Date: 04-Oct-2012 07:57

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000036.D
Lab Smp Id: IC 547577
Inj Date : 03-OCT-2012 13:38
Operator : 402331 Inst ID: gc15.i
Smp Info : IC 547577,2012.b
Misc Info :
Comment : 8081 Analysis
Method : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\TPESTB2.m
Meth Date : 04-Oct-2012 07:57 gc15.i Quant Type: ESTD
Cal Date : 03-OCT-2012 13:23 Cal File: R10120000035.D
Als bottle: 107 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PESTCAL.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 4 Tetrachloro-m-xylene	4.975	4.974	0.001	975797	0.05000	0.04902(a)
6 alpha-BHC	5.418	5.418	0.000	1036767	0.05000	0.05484
7 gamma-BHC (Lindane)	5.706	5.706	0.000	797068	0.05000	0.05069
10 beta-BHC	5.934	5.934	0.000	381046	0.05000	0.04533(a)
11 Heptachlor	6.013	6.013	0.000	572795	0.05000	0.04563(a)
13 delta-BHC	6.156	6.156	0.000	688896	0.05000	0.05016
17 Aldrin	6.271	6.270	0.001	778293	0.05000	0.04857(a)
21 Heptachlor epoxide	6.703	6.702	0.001	535864	0.05000	0.04423(a)
24 gamma-Chlordane	6.920	6.920	0.000	490400	0.05000	0.04591(a)
25 alpha-Chlordane	6.978	6.979	-0.001	462792	0.05000	0.04421(a)
26 Endosulfan I	7.046	7.046	0.000	400785	0.05000	0.04436(a)
27 4,4'-DDE	7.111	7.111	0.000	531243	0.05000	0.04610(a)
28 Dieldrin	7.283	7.282	0.001	436947	0.05000	0.04670(a)
29 Endrin	7.542	7.542	0.000	340635	0.05000	0.04689(a)
30 4,4'-DDD	7.614	7.615	-0.001	400277	0.05000	0.04819(a)
32 Endosulfan II	7.797	7.798	-0.001	395608	0.05000	0.04773(a)
33 4,4'-DDT	7.850	7.850	0.000	243516	0.05000	0.06070
34 Endrin aldehyde	7.957	7.958	-0.001	346522	0.05000	0.04414(a)
35 Endosulfan sulfate	8.167	8.168	-0.001	371349	0.05000	0.04789(a)
36 Methoxychlor	8.392	8.393	-0.001	127721	0.05000	0.05140(a)
38 Endrin ketone	8.751	8.751	0.000	374817	0.05000	0.04734(a)

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000036.D
Report Date: 04-Oct-2012 07:57

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 39 DCB Decachlorobiphenyl (Surr)	10.321	10.319	0.002	287985	0.05000	0.04358

QC Flag Legend

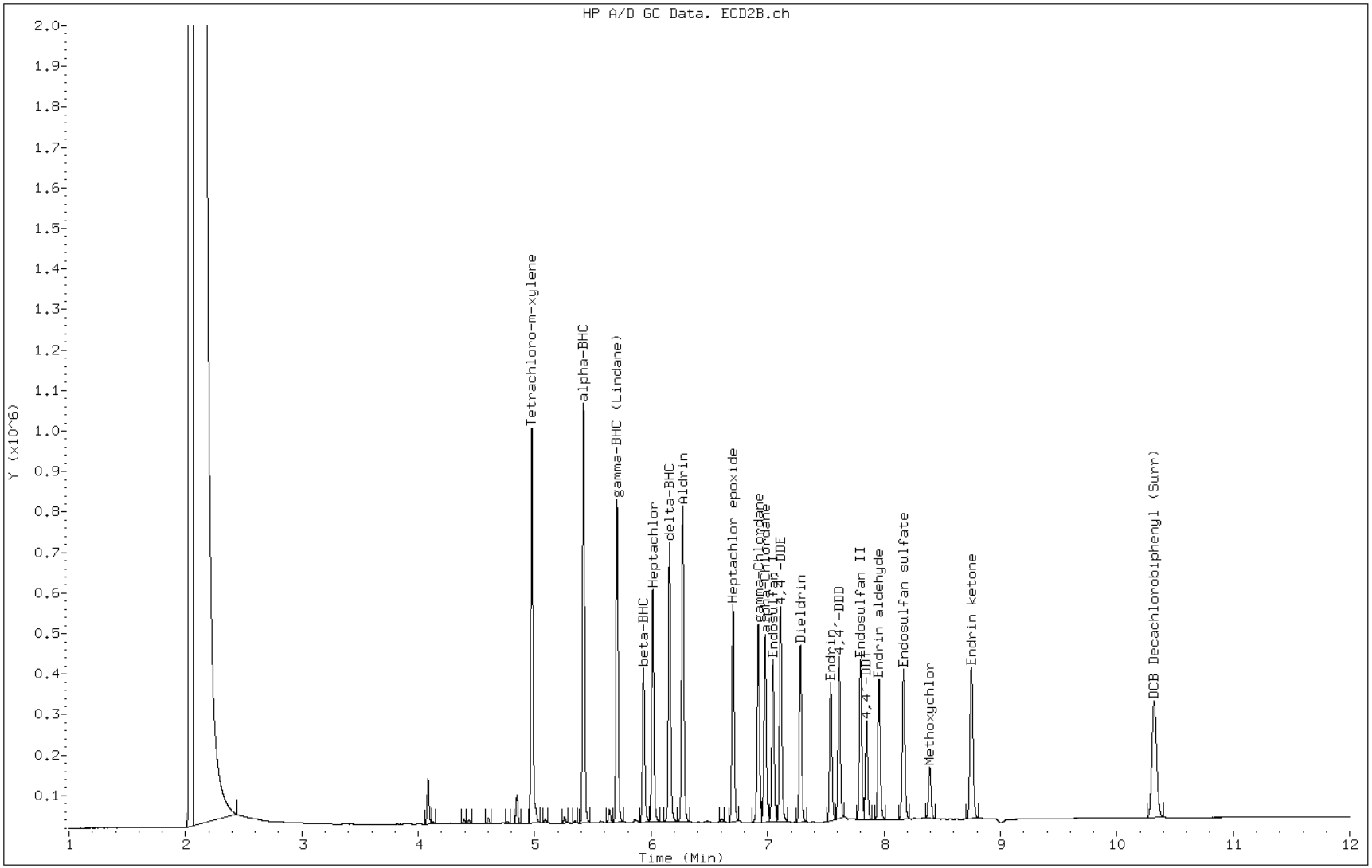
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: R10120000036.D

Date: 03-OCT-2012 13:38

Client ID: Instrument: gc15.i

Sample Info: IC 547577,2012.b Operator: 402331



Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000037.D
Report Date: 04-Oct-2012 07:57

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000037.D
Lab Smp Id: IC 547578
Inj Date : 03-OCT-2012 13:54
Operator : 402331 Inst ID: gc15.i
Smp Info : IC 547578,2012.b
Misc Info :
Comment : 8081 Analysis
Method : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\TPESTB2.m
Meth Date : 04-Oct-2012 07:57 gc15.i Quant Type: ESTD
Cal Date : 03-OCT-2012 13:38 Cal File: R10120000036.D
Als bottle: 108 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PESTCAL.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 4 Tetrachloro-m-xylene	4.975	4.974	0.001	2013999	0.10000	0.1017
6 alpha-BHC	5.419	5.418	0.001	2372258	0.10000	0.1225
7 gamma-BHC (Lindane)	5.708	5.706	0.002	1879376	0.10000	0.1191
10 beta-BHC	5.935	5.934	0.001	858418	0.10000	0.1046
11 Heptachlor	6.014	6.013	0.001	1401704	0.10000	0.1142
13 delta-BHC	6.157	6.156	0.001	1628857	0.10000	0.1185
17 Aldrin	6.272	6.270	0.002	1659447	0.10000	0.1043
21 Heptachlor epoxide	6.703	6.702	0.001	1159921	0.10000	0.09859
24 gamma-Chlordane	6.921	6.920	0.001	1084911	0.10000	0.1037
25 alpha-Chlordane	6.980	6.979	0.001	1045755	0.10000	0.1029
26 Endosulfan I	7.046	7.046	0.000	881513	0.10000	0.1004
27 4,4'-DDE	7.112	7.111	0.001	1099379	0.10000	0.09730
28 Dieldrin	7.283	7.282	0.001	966162	0.10000	0.1050
29 Endrin	7.542	7.542	0.000	769266	0.10000	0.1076
30 4,4'-DDD	7.615	7.615	0.000	884530	0.10000	0.1074
32 Endosulfan II	7.798	7.798	0.000	912606	0.10000	0.1114
33 4,4'-DDT	7.851	7.850	0.001	664210	0.10000	0.1572
34 Endrin aldehyde	7.958	7.958	0.000	808887	0.10000	0.1062
35 Endosulfan sulfate	8.168	8.168	0.000	859823	0.10000	0.1121
36 Methoxychlor	8.393	8.393	0.000	328487	0.10000	0.1313
38 Endrin ketone	8.751	8.751	0.000	905388	0.10000	0.1159

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000037.D
Report Date: 04-Oct-2012 07:57

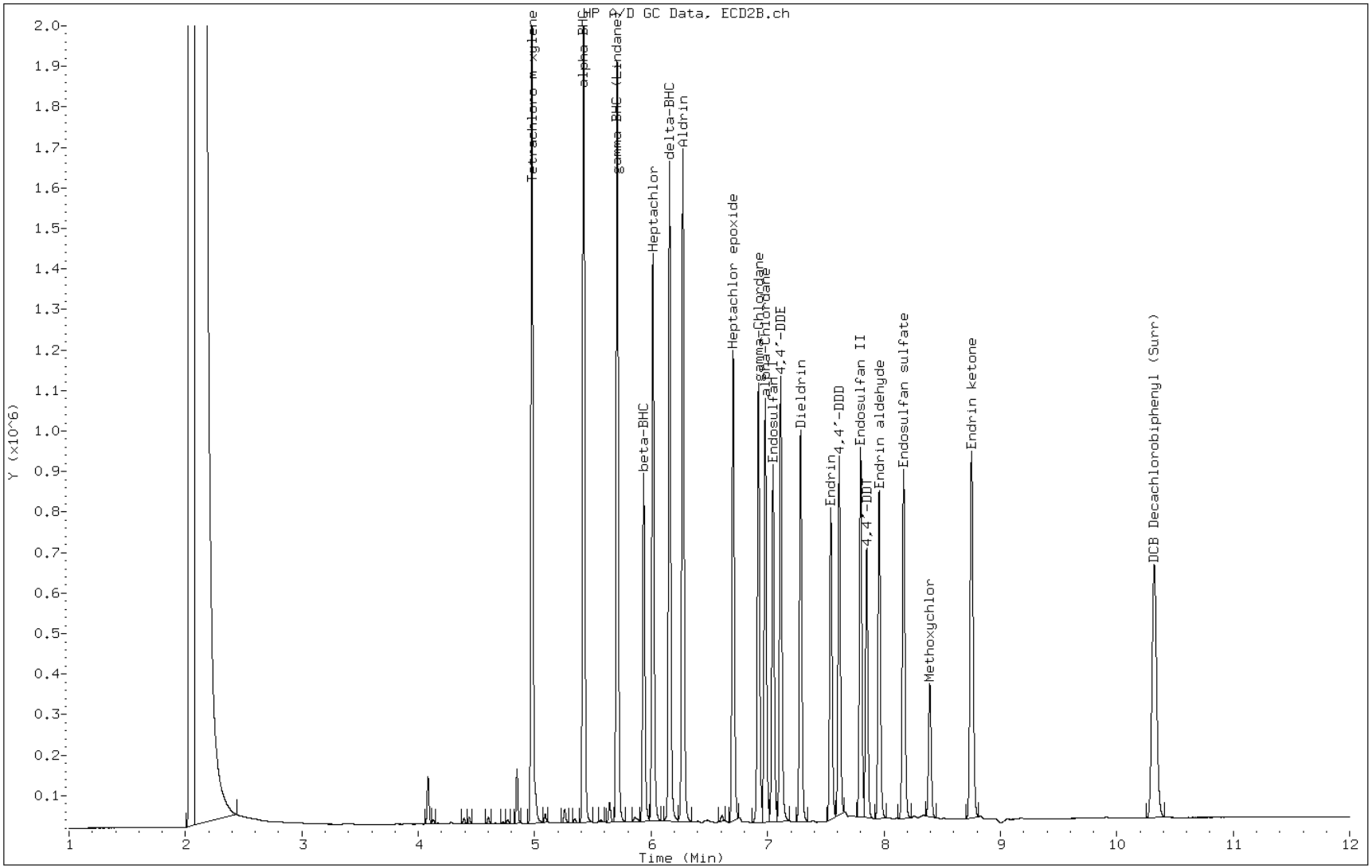
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 39 DCB Decachlorobiphenyl (Surr)	10.321	10.319	0.002	622700	0.10000	0.09735

Data File: R10120000037.D

Date: 03-OCT-2012 13:54

Client ID: Instrument: gc15.i

Sample Info: IC 547578,2012.b Operator: 402331



Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000038.D
Report Date: 04-Oct-2012 07:57

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000038.D
Lab Smp Id: IC 547585
Inj Date : 03-OCT-2012 14:10
Operator : 402331 Inst ID: gc15.i
Smp Info : IC 547585,2012.b
Misc Info :
Comment : 8081 Analysis
Method : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\TPESTB2.m
Meth Date : 04-Oct-2012 07:57 gc15.i Quant Type: ESTD
Cal Date : 03-OCT-2012 13:54 Cal File: R10120000037.D
Als bottle: 109 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PESTCAL.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 4 Tetrachloro-m-xylene	4.975	4.974	0.001	3969815	0.20000	0.1997
6 alpha-BHC	5.420	5.418	0.002	4662361	0.20000	0.2304(A)
7 gamma-BHC (Lindane)	5.708	5.706	0.002	3689204	0.20000	0.2252(A)
10 beta-BHC	5.935	5.934	0.001	1687238	0.20000	0.2037(A)
11 Heptachlor	6.015	6.013	0.002	2647625	0.20000	0.2097(A)
13 delta-BHC	6.157	6.156	0.001	3133343	0.20000	0.2198(A)
17 Aldrin	6.272	6.270	0.002	3097188	0.20000	0.1930
21 Heptachlor epoxide	6.704	6.702	0.002	2139600	0.20000	0.1824
24 gamma-Chlordane	6.921	6.920	0.001	2082387	0.20000	0.1976
25 alpha-Chlordane	6.980	6.979	0.001	1966532	0.20000	0.1924
26 Endosulfan I	7.047	7.046	0.001	1681125	0.20000	0.1913
27 4,4'-DDE	7.112	7.111	0.001	2143198	0.20000	0.1907
28 Dieldrin	7.284	7.282	0.002	1856753	0.20000	0.1998
29 Endrin	7.543	7.542	0.001	1452139	0.20000	0.2000(A)
30 4,4'-DDD	7.615	7.615	0.000	1747993	0.20000	0.2092(A)
32 Endosulfan II	7.799	7.798	0.001	1755311	0.20000	0.2094(A)
33 4,4'-DDT	7.851	7.850	0.001	1367253	0.20000	0.2903(A)
34 Endrin aldehyde	7.958	7.958	0.000	1556739	0.20000	0.2018(A)
35 Endosulfan sulfate	8.168	8.168	0.000	1661652	0.20000	0.2115(A)
36 Methoxychlor	8.393	8.393	0.000	651541	0.20000	0.2450(A)
38 Endrin ketone	8.751	8.751	0.000	1725933	0.20000	0.2141(A)

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000038.D
Report Date: 04-Oct-2012 07:57

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 39 DCB Decachlorobiphenyl (Surr)	10.322	10.319	0.003	1212516	0.20000	0.1906

QC Flag Legend

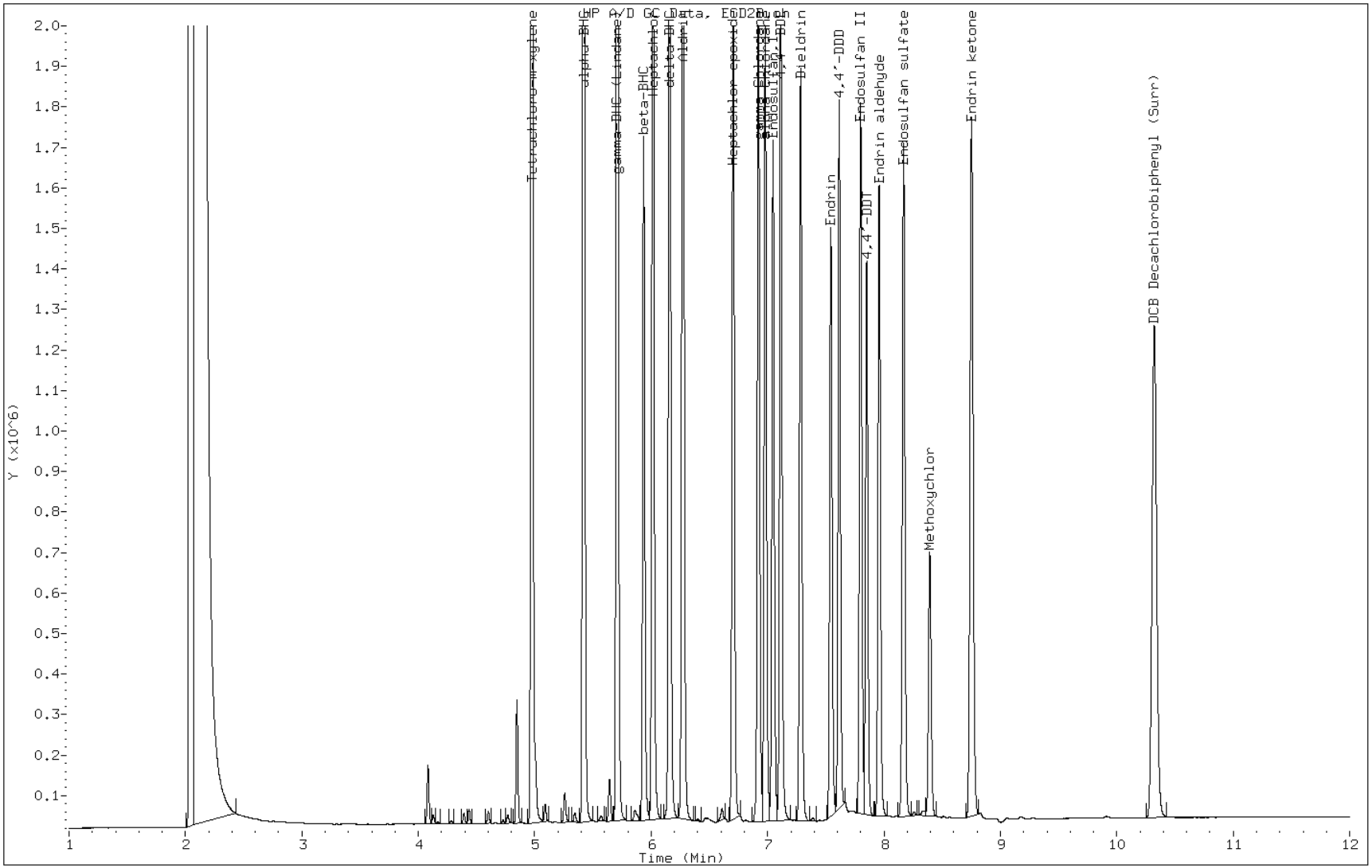
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: R10120000038.D

Date: 03-OCT-2012 14:10

Client ID: Instrument: gc15.i

Sample Info: IC 547585,2012.b Operator: 402331



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: PEM 180-50786/1 Calibration Date: 10/03/2012 12:05

Instrument ID: GC15 Calib Start Date: 09/07/2012 16:41

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 09/07/2012 18:00

Lab File ID: Q10120000030.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	6.78	646365	4.95	15	
Endrin aldehyde	0.00	0			
Endrin ketone	7.73	33669			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	7.20	684936	8.67	15	
4,4'-DDD	6.93	46833			
4,4'-DDE	6.48	18172			

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000030.D
Report Date: 04-Oct-2012 07:39

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000030.D
Lab Smp Id: PEM 547588
Inj Date : 03-OCT-2012 12:05
Operator : 402331 Inst ID: gc15.i
Smp Info : PEM 547588,2012.b
Misc Info :
Comment : 8081 analysis
Method : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\TPESTA1.m
Meth Date : 04-Oct-2012 07:38 oravecj Quant Type: ESTD
Cal Date : 03-OCT-2012 14:10 Cal File: Q10120000038.D
Als bottle: 101 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: EVALBR.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.353	4.354	-0.001	942303	0.02309	0.02309(R)
27 4,4'-DDE	6.478	6.479	-0.001	18172	6e-004	0.0005923
30 Endrin	6.784	6.785	-0.001	646365	0.02742	0.02742
31 4,4'-DDD	6.928	6.928	0.000	46833	0.00221	0.002213
33 Endrin aldehyde	Compound Not Detected.					
34 4,4'-DDT	7.203	7.204	-0.001	684936	0.05027	0.05026
37 Endrin ketone	7.729	7.730	-0.001	33669	0.00163	0.001627
$ 39 DCB Decachlorobiphenyl (Surr)	9.207	9.207	0.000	309170	0.02285	0.02285(aR)

QC Flag Legend

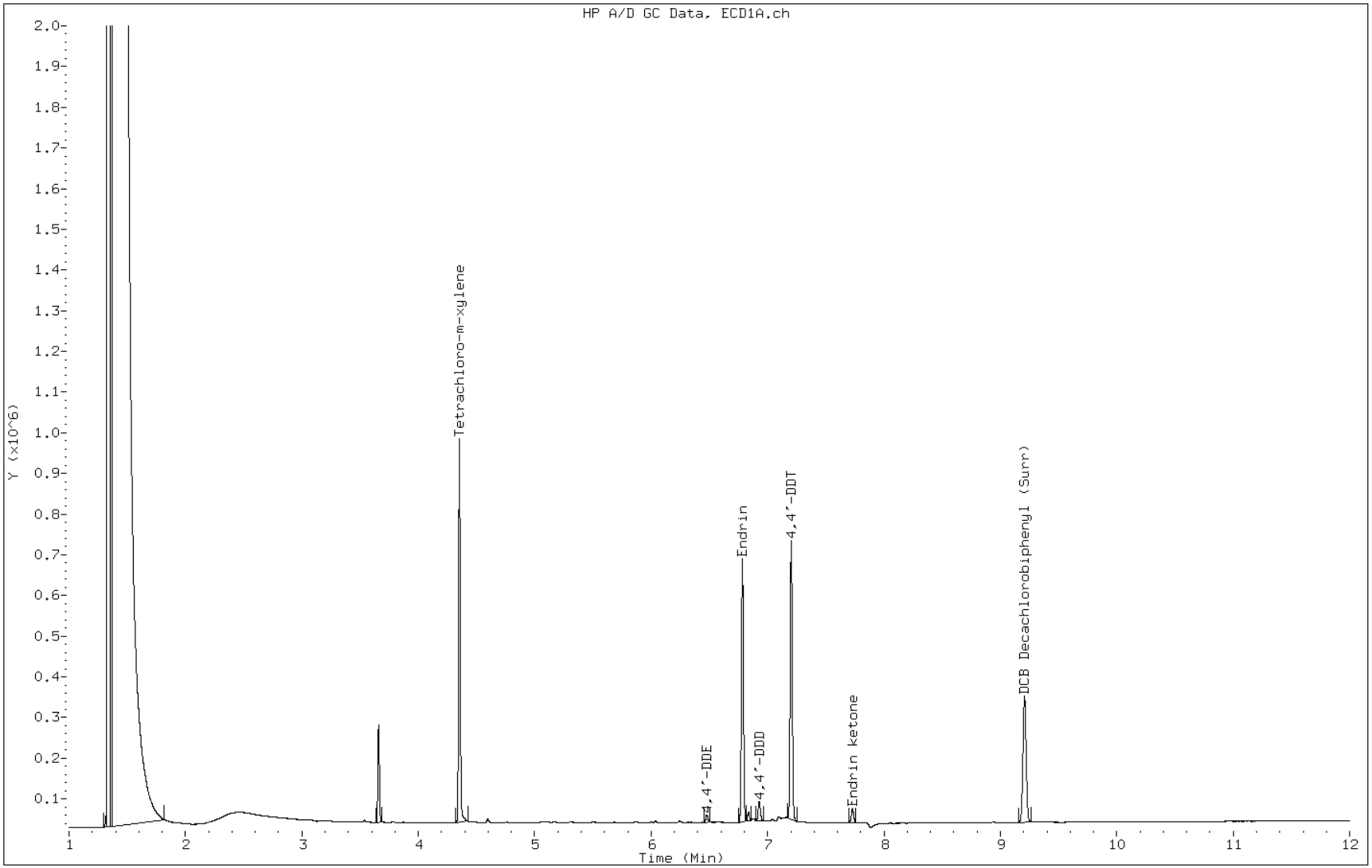
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: Q10120000030.D

Date: 03-OCT-2012 12:05

Client ID: Instrument: gc15.i

Sample Info: PEM 547588,2012.b Operator: 402331



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: PEM 180-50786/1 Calibration Date: 10/03/2012 12:05

Instrument ID: GC15 Calib Start Date: 10/03/2012 12:52

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 10/03/2012 14:10

Lab File ID: Q10120000030.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	6.78	646365	4.95	15	
Endrin aldehyde	0.00	0			
Endrin ketone	7.73	33669			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	7.20	684936	8.67	15	
4,4'-DDD	6.93	46833			
4,4'-DDE	6.48	18172			

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000030.D
Report Date: 04-Oct-2012 07:39

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000030.D
Lab Smp Id: PEM 547588
Inj Date : 03-OCT-2012 12:05
Operator : 402331 Inst ID: gc15.i
Smp Info : PEM 547588,2012.b
Misc Info :
Comment : 8081 analysis
Method : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\TPESTA1.m
Meth Date : 04-Oct-2012 07:38 oravecj Quant Type: ESTD
Cal Date : 03-OCT-2012 14:10 Cal File: Q10120000038.D
Als bottle: 101 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: EVALBR.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.353	4.354	-0.001	942303	0.02309	0.02309(R)
27 4,4'-DDE	6.478	6.479	-0.001	18172	6e-004	0.0005923
30 Endrin	6.784	6.785	-0.001	646365	0.02742	0.02742
31 4,4'-DDD	6.928	6.928	0.000	46833	0.00221	0.002213
33 Endrin aldehyde	Compound Not Detected.					
34 4,4'-DDT	7.203	7.204	-0.001	684936	0.05027	0.05026
37 Endrin ketone	7.729	7.730	-0.001	33669	0.00163	0.001627
$ 39 DCB Decachlorobiphenyl (Surr)	9.207	9.207	0.000	309170	0.02285	0.02285(aR)

QC Flag Legend

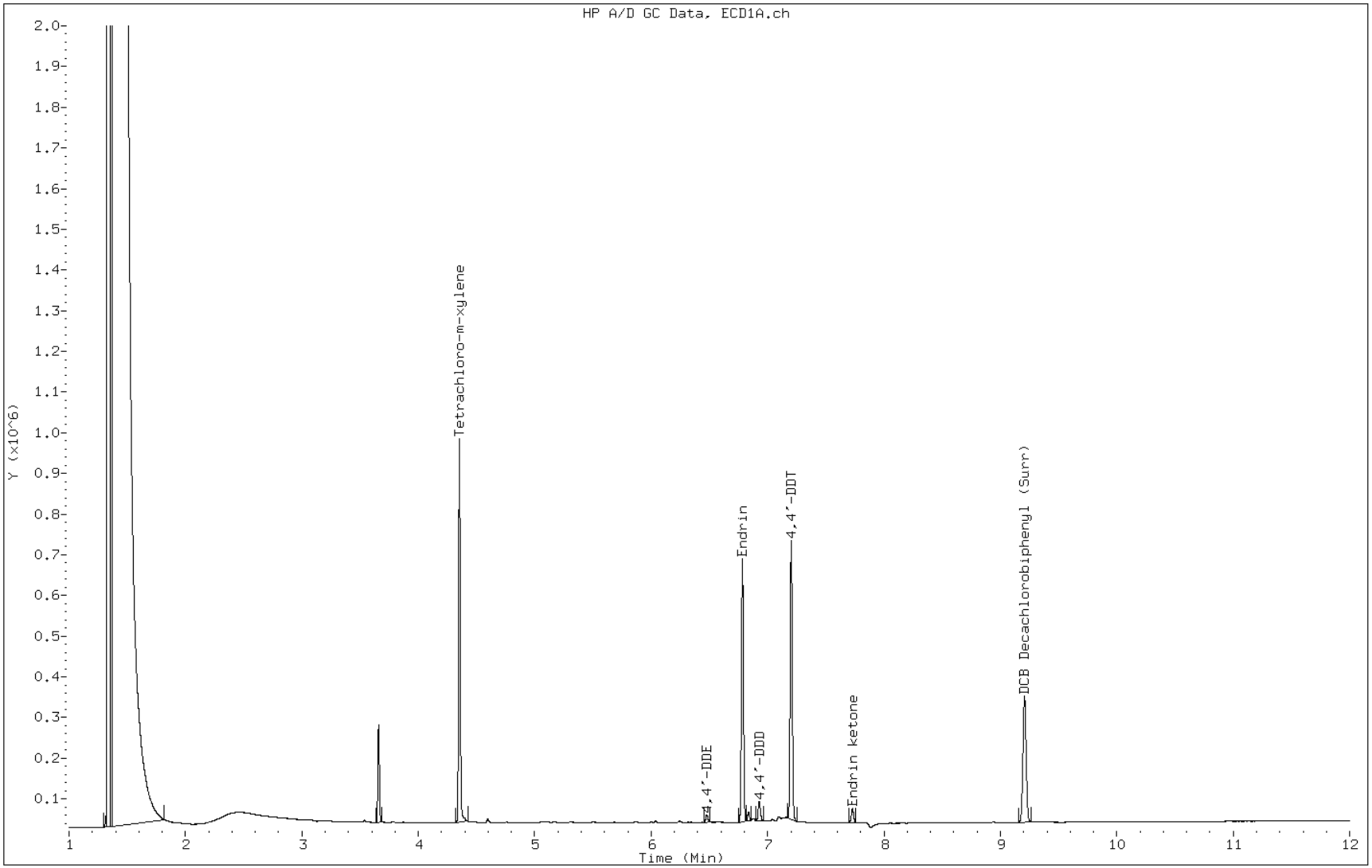
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: Q10120000030.D

Date: 03-OCT-2012 12:05

Client ID: Instrument: gc15.i

Sample Info: PEM 547588,2012.b Operator: 402331



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: PEM 180-50786/1 Calibration Date: 10/03/2012 12:05

Instrument ID: GC15 Calib Start Date: 09/07/2012 16:41

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 09/07/2012 18:00

Lab File ID: R10120000030.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	7.54	190620	6.86	15	
Endrin aldehyde	0.00	0			
Endrin ketone	8.75	14042			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	7.85	302680	8.91	15	
4,4'-DDD	7.62	22077			
4,4'-DDE	7.11	7524			

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000030.D
Report Date: 04-Oct-2012 07:58

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000030.D
Lab Smp Id: PEM 547588
Inj Date : 03-OCT-2012 12:05
Operator : 402331 Inst ID: gc15.i
Smp Info : PEM 547588,2012.b
Misc Info :
Comment : 8081 Analysis
Method : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\TPESTB2.m
Meth Date : 04-Oct-2012 07:58 oravecj Quant Type: ESTD
Cal Date : 03-OCT-2012 14:10 Cal File: R10120000038.D
Als bottle: 101 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: EVALBR.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.975	4.974	0.001	464613	0.02338	0.02338(R)
27 4,4'-DDE	7.112	7.112	0.000	7524	7e-004	0.0006747
29 Endrin	7.543	7.543	0.000	190620	0.02626	0.02626
30 4,4'-DDD	7.617	7.615	0.002	22077	0.00262	0.002622
33 4,4'-DDT	7.851	7.851	0.000	302680	0.05167	0.05167
34 Endrin aldehyde	Compound Not Detected.					
38 Endrin ketone	8.751	8.752	-0.001	14042	0.00172	0.001722
$ 39 DCB Decachlorobiphenyl (Surr)	10.321	10.320	0.001	144766	0.02293	0.02293(R)

QC Flag Legend

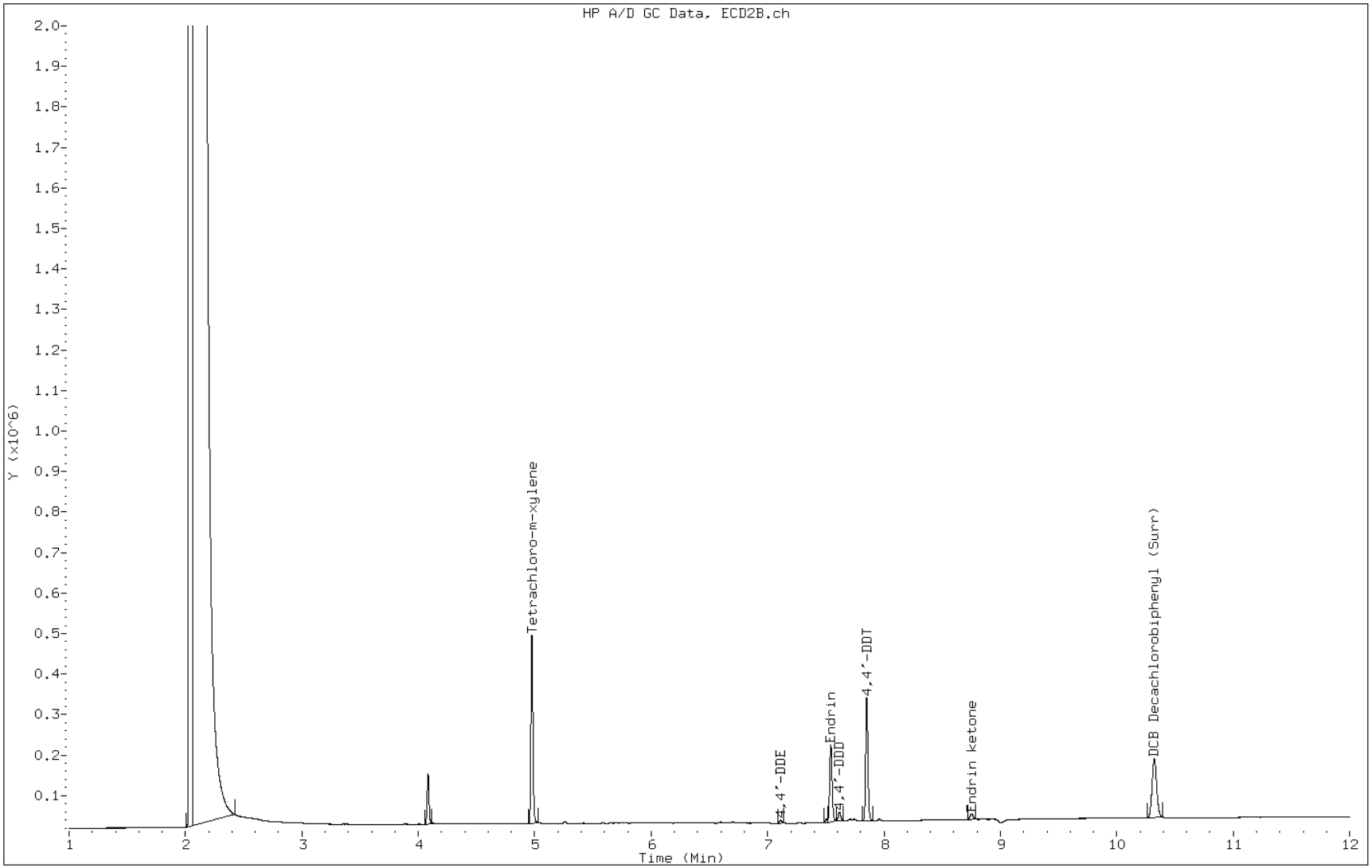
R - Spike/Surrogate failed recovery limits.

Data File: R10120000030.D

Date: 03-OCT-2012 12:05

Client ID: Instrument: gc15.i

Sample Info: PEM 547588,2012.b Operator: 402331



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: PEM 180-50786/1 Calibration Date: 10/03/2012 12:05

Instrument ID: GC15 Calib Start Date: 10/03/2012 12:52

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 10/03/2012 14:10

Lab File ID: R10120000030.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	7.54	190620	6.86	15	
Endrin aldehyde	0.00	0			
Endrin ketone	8.75	14042			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	7.85	302680	8.91	15	
4,4'-DDD	7.62	22077			
4,4'-DDE	7.11	7524			

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000030.D
Report Date: 04-Oct-2012 07:58

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000030.D
Lab Smp Id: PEM 547588
Inj Date : 03-OCT-2012 12:05
Operator : 402331 Inst ID: gc15.i
Smp Info : PEM 547588,2012.b
Misc Info :
Comment : 8081 Analysis
Method : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\TPESTB2.m
Meth Date : 04-Oct-2012 07:58 oravecj Quant Type: ESTD
Cal Date : 03-OCT-2012 14:10 Cal File: R10120000038.D
Als bottle: 101 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: EVALBR.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.975	4.974	0.001	464613	0.02338	0.02338(R)
27 4,4'-DDE	7.112	7.112	0.000	7524	7e-004	0.0006747
29 Endrin	7.543	7.543	0.000	190620	0.02626	0.02626
30 4,4'-DDD	7.617	7.615	0.002	22077	0.00262	0.002622
33 4,4'-DDT	7.851	7.851	0.000	302680	0.05167	0.05167
34 Endrin aldehyde	Compound Not Detected.					
38 Endrin ketone	8.751	8.752	-0.001	14042	0.00172	0.001722
$ 39 DCB Decachlorobiphenyl (Surr)	10.321	10.320	0.001	144766	0.02293	0.02293(R)

QC Flag Legend

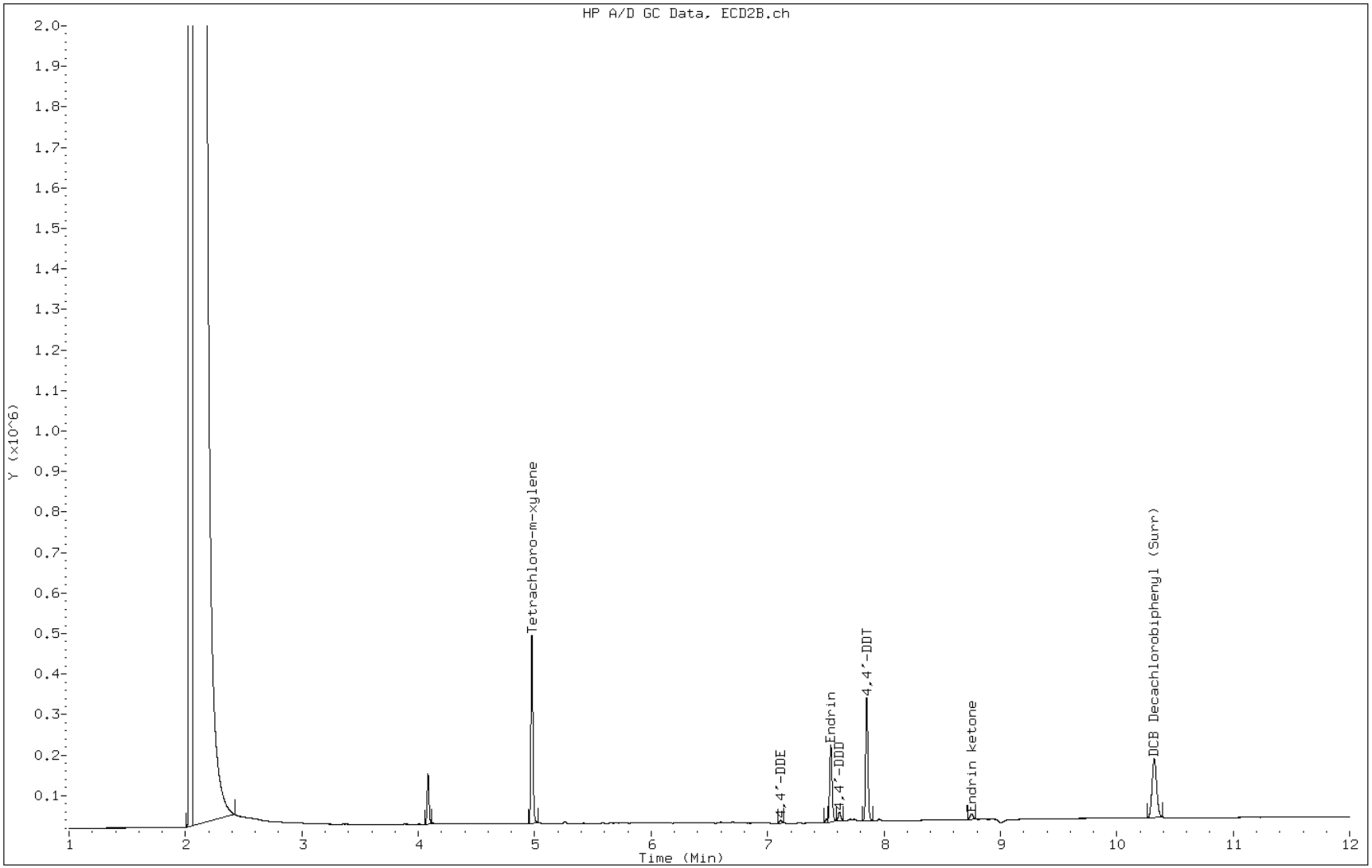
R - Spike/Surrogate failed recovery limits.

Data File: R10120000030.D

Date: 03-OCT-2012 12:05

Client ID: Instrument: gc15.i

Sample Info: PEM 547588,2012.b Operator: 402331



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: PEM 180-50786/19 Calibration Date: 10/03/2012 19:42

Instrument ID: GC15 Calib Start Date: 10/03/2012 12:52

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 10/03/2012 14:10

Lab File ID: Q10120000059.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	6.78	590627	4.25	15	
Endrin aldehyde	0.00	0			
Endrin ketone	7.73	26193			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	7.20	588412	9.17	15	
4,4'-DDD	6.93	37269			
4,4'-DDE	6.48	22112			

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000059.D
Report Date: 04-Oct-2012 08:13

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000059.D
Lab Smp Id: PEM 547588
Inj Date : 03-OCT-2012 19:42
Operator : 402331 Inst ID: gc15.i
Smp Info : PEM 547588,2012.b
Misc Info :
Comment : 8081 analysis
Method : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\TPESTA1.m
Meth Date : 04-Oct-2012 07:39 oravecj Quant Type: ESTD
Cal Date : 03-OCT-2012 14:10 Cal File: Q10120000038.D
Als bottle: 19 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: EVALBR.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.353	4.354	-0.001	1005223	0.02463	0.02463(R)
27 4,4'-DDE	6.478	6.479	-0.001	22112	7e-004	0.0007207
30 Endrin	6.784	6.785	-0.001	590627	0.02505	0.02505
31 4,4'-DDD	6.928	6.928	0.000	37269	0.00176	0.001761
33 Endrin aldehyde	Compound Not Detected.					
34 4,4'-DDT	7.204	7.204	0.000	588412	0.04389	0.04389
37 Endrin ketone	7.728	7.730	-0.002	26193	0.00127	0.001266
$ 39 DCB Decachlorobiphenyl (Surr)	9.206	9.207	-0.001	307243	0.02271	0.02271(aR)

QC Flag Legend

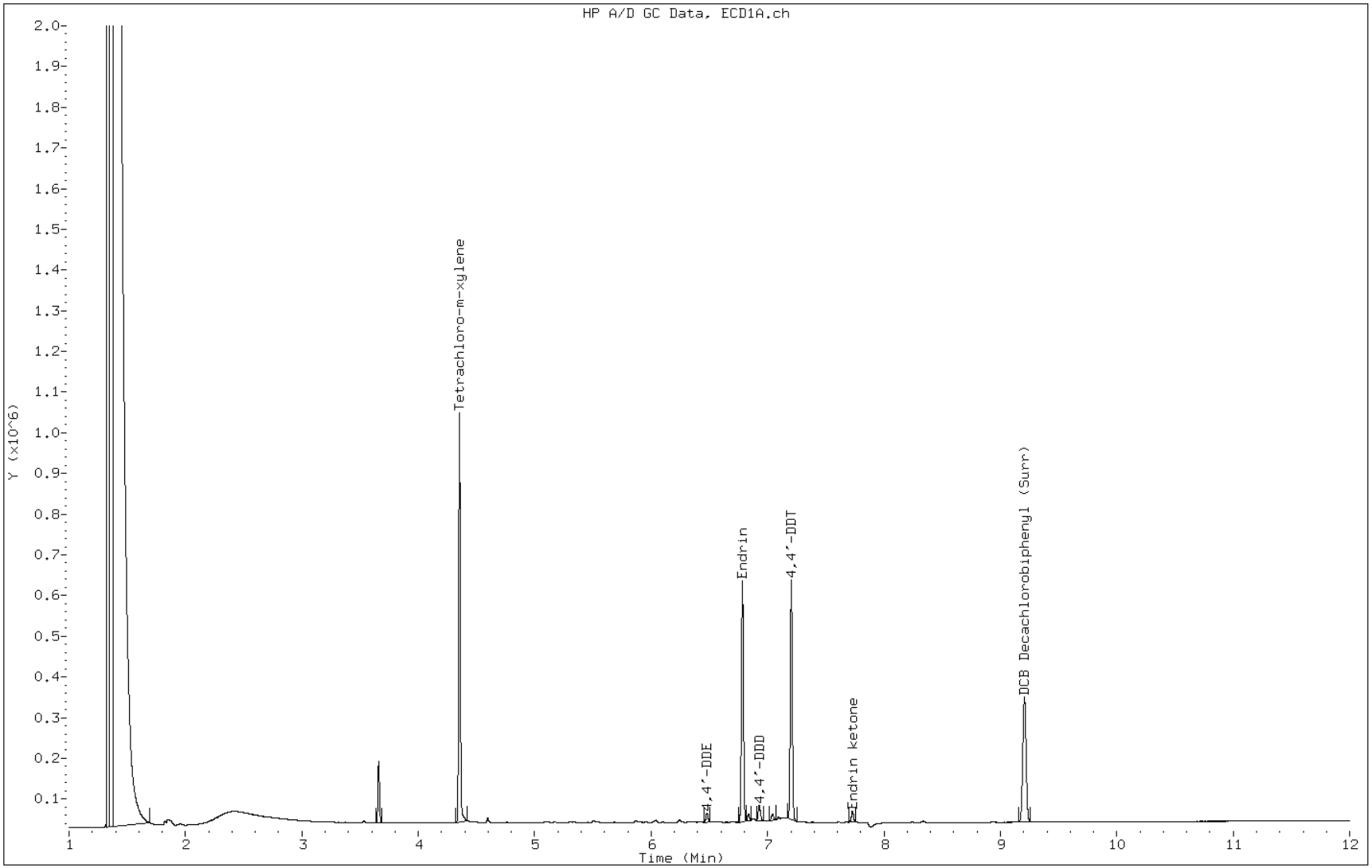
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: Q10120000059.D

Date: 03-OCT-2012 19:42

Client ID: Instrument: gc15.i

Sample Info: PEM 547588,2012.b Operator: 402331



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: PEM 180-50786/19 Calibration Date: 10/03/2012 19:42

Instrument ID: GC15 Calib Start Date: 10/03/2012 12:52

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 10/03/2012 14:10

Lab File ID: R10120000059.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	7.54	177631	5.99	15	
Endrin aldehyde	0.00	0			
Endrin ketone	8.75	11310			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	7.85	255353	9.27	15	
4,4'-DDD	7.62	16963			
4,4'-DDE	7.11	9117			

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000059.D
Report Date: 04-Oct-2012 10:18

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000059.D
Lab Smp Id: PEM 547588
Inj Date : 03-OCT-2012 19:42
Operator : 402331 Inst ID: gc15.i
Smp Info : PEM 547588,2012.b
Misc Info :
Comment : 8081 Analysis
Method : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\TPESTB2.m
Meth Date : 04-Oct-2012 07:58 oravecj Quant Type: ESTD
Cal Date : 03-OCT-2012 14:10 Cal File: R10120000038.D
Als bottle: 19 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: EVALBR.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.975	4.974	0.001	493142	0.02482	0.02482(R)
27 4,4'-DDE	7.113	7.112	0.001	9117	8e-004	0.0008176
29 Endrin	7.543	7.543	0.000	177631	0.02447	0.02447
30 4,4'-DDD	7.615	7.615	0.000	16963	0.00201	0.002015
33 4,4'-DDT	7.852	7.851	0.001	255353	0.04443	0.04443
34 Endrin aldehyde	Compound Not Detected.					
38 Endrin ketone	8.751	8.752	-0.001	11310	0.00139	0.001387
$ 39 DCB Decachlorobiphenyl (Surr)	10.322	10.320	0.002	149002	0.02360	0.02360(R)

QC Flag Legend

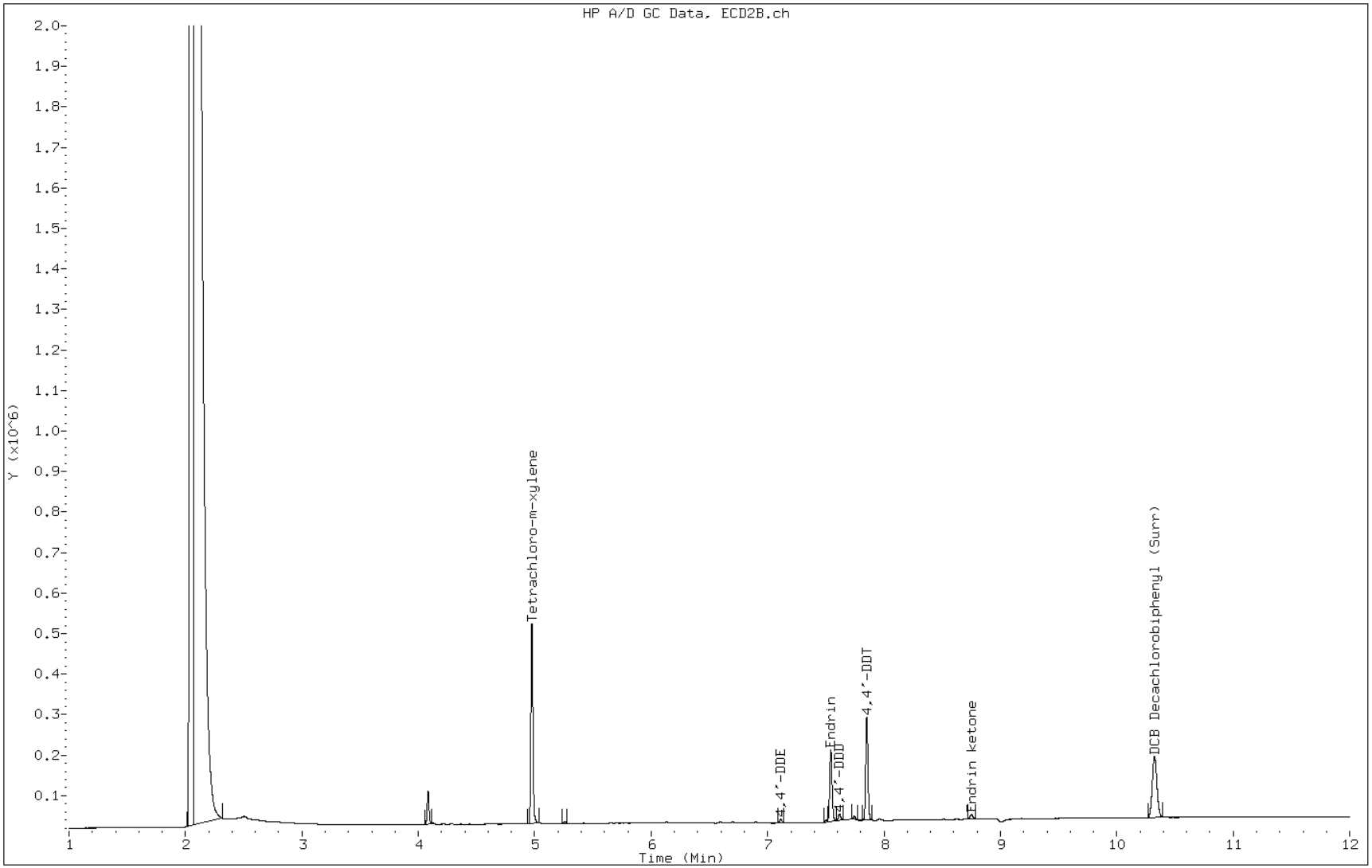
R - Spike/Surrogate failed recovery limits.

Data File: R10120000059.D

Date: 03-OCT-2012 19:42

Client ID: Instrument: gc15.i

Sample Info: PEM 547588,2012.b Operator: 402331



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: ICV 180-50786/10 Calibration Date: 10/03/2012 14:25

Instrument ID: GC15 Calib Start Date: 10/03/2012 12:52

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 10/03/2012 14:10

Lab File ID: Q10120000039.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	44732120	47995880		0.0268	0.0250	7.3	20.0
gamma-BHC (Lindane)	Ave	35762203	38762520		0.0271	0.0250	8.4	20.0
beta-BHC	Ave	15675580	16151760		0.0258	0.0250	3.0	20.0
delta-BHC	Ave	29385972	29989360		0.0255	0.0250	2.1	20.0
Heptachlor	Ave	28682221	28899960		0.0252	0.0250	0.8	20.0
Aldrin	Ave	36131542	38554520		0.0267	0.0250	6.7	20.0
Heptachlor epoxide	Ave	29619925	31984600		0.0270	0.0250	8.0	20.0
gamma-Chlordane	Ave	30516366	32401480		0.0265	0.0250	6.2	20.0
alpha-Chlordane	Ave	29561107	32253800		0.0273	0.0250	9.1	20.0
Endosulfan I	Ave	26174012	28424360		0.0271	0.0250	8.6	20.0
4,4'-DDE	Ave	30680615	31745120		0.0259	0.0250	3.5	20.0
Dieldrin	Ave	29212869	31676240		0.0271	0.0250	8.4	20.0
Endrin	Ave	23576337	26825280		0.0284	0.0250	13.8	20.0
4,4'-DDD	Ave	21159694	21990560		0.0260	0.0250	3.9	20.0
Endosulfan II	Ave	21799834	23853720		0.0274	0.0250	9.4	20.0
Endrin aldehyde	Ave	18134678	19069080		0.0263	0.0250	5.2	20.0
4,4'-DDT	Qua	12114312	11759960		0.0241	0.0250	-3.4	20.0
Endosulfan sulfate	Ave	18297068	19588080		0.0268	0.0250	7.1	20.0
Methoxychlor	Ave	5880088	5761520		0.0245	0.0250	-2.0	20.0
Endrin ketone	Ave	20693538	21356840		0.0258	0.0250	3.2	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: ICV 180-50786/10 Calibration Date: 10/03/2012 14:25

Instrument ID: GC15 Calib Start Date: 10/03/2012 12:52

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 10/03/2012 14:10

Lab File ID: Q10120000039.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.70	4.67	4.73
gamma-BHC (Lindane)	4.96	4.93	4.99
beta-BHC	5.12	5.09	5.15
delta-BHC	5.30	5.27	5.33
Heptachlor	5.41	5.38	5.44
Aldrin	5.68	5.65	5.71
Heptachlor epoxide	6.03	6.01	6.07
gamma-Chlordane	6.25	6.22	6.28
alpha-Chlordane	6.32	6.29	6.35
Endosulfan I	6.35	6.33	6.39
4,4'-DDE	6.48	6.45	6.51
Dieldrin	6.59	6.56	6.62
Endrin	6.78	6.76	6.82
4,4'-DDD	6.93	6.90	6.96
Endosulfan II	6.98	6.95	7.01
Endrin aldehyde	7.10	7.07	7.13
4,4'-DDT	7.20	7.17	7.23
Endosulfan sulfate	7.30	7.28	7.34
Methoxychlor	7.65	7.62	7.68
Endrin ketone	7.73	7.70	7.76
DCB Decachlorobiphenyl (Surr)	0.00	9.16	9.26
Tetrachloro-m-xylene	0.00	4.32	4.38

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000039.D
Report Date: 04-Oct-2012 07:40

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000039.D
Lab Smp Id: ICV 547586
Inj Date : 03-OCT-2012 14:25
Operator : 402331 Inst ID: gc15.i
Smp Info : ICV 547586,2012.b
Misc Info :
Comment : 8081 analysis
Method : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\TPESTA1.m
Meth Date : 04-Oct-2012 07:39 oravecj Quant Type: ESTD
Cal Date : 03-OCT-2012 14:10 Cal File: Q10120000038.D
Als bottle: 110 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PESTCAL.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 4 Tetrachloro-m-xylene	Compound Not Detected.					
6 alpha-BHC	4.702	4.703	-0.001	1199897	0.02500	0.02682
7 gamma-BHC (Lindane)	4.956	4.956	0.000	969063	0.02500	0.02710
8 beta-BHC	5.117	5.117	0.000	403794	0.02500	0.02576
11 delta-BHC	5.304	5.304	0.000	749734	0.02500	0.02551
12 Heptachlor	5.413	5.414	-0.001	722499	0.02500	0.02519
17 Aldrin	5.683	5.684	-0.001	963863	0.02500	0.02668
20 Heptachlor epoxide	6.034	6.035	-0.001	799615	0.02500	0.02700
24 gamma-Chlordane	6.249	6.251	-0.002	810037	0.02500	0.02654
25 alpha-Chlordane	6.316	6.317	-0.001	806345	0.02500	0.02728
26 Endosulfan I	6.354	6.355	-0.001	710609	0.02500	0.02715
27 4,4'-DDE	6.478	6.479	-0.001	793628	0.02500	0.02587
28 Dieldrin	6.588	6.590	-0.002	791906	0.02500	0.02711
30 Endrin	6.784	6.785	-0.001	670632	0.02500	0.02844
31 4,4'-DDD	6.927	6.928	-0.001	549764	0.02500	0.02598
32 Endosulfan II	6.979	6.981	-0.002	596343	0.02500	0.02736
33 Endrin aldehyde	7.095	7.097	-0.002	476727	0.02500	0.02629
34 4,4'-DDT	7.203	7.204	-0.001	293999	0.02500	0.02414
35 Endosulfan sulfate	7.304	7.305	-0.001	489702	0.02500	0.02676
36 Methoxychlor	7.646	7.646	0.000	144038	0.02500	0.02450
37 Endrin ketone	7.729	7.730	-0.001	533921	0.02500	0.02580
$ 39 DCB Decachlorobiphenyl (Surr)	Compound Not Detected.					

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000039.D
Report Date: 04-Oct-2012 07:40

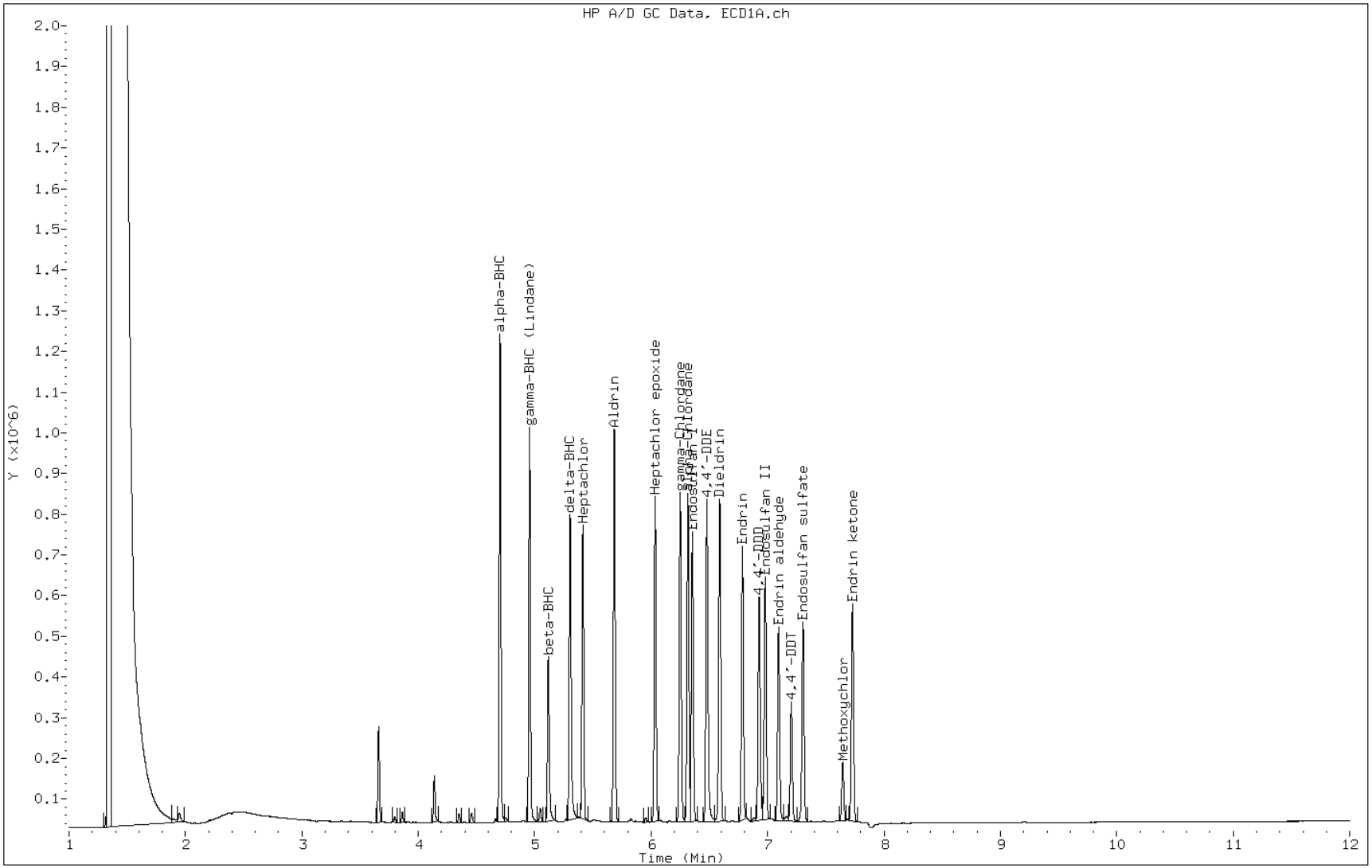
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)

Data File: Q10120000039.D

Date: 03-OCT-2012 14:25

Client ID: Instrument: gc15.i

Sample Info: ICV 547586,2012.b Operator: 402331



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: ICV 180-50786/10 Calibration Date: 10/03/2012 14:25

Instrument ID: GC15 Calib Start Date: 10/03/2012 12:52

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 10/03/2012 14:10

Lab File ID: R10120000039.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	20747268	23054000		0.0278	0.0250	11.1	20.0
gamma-BHC (Lindane)	Ave	16725423	18054960		0.0270	0.0250	7.9	20.0
beta-BHC	Ave	8309768	8540000		0.0257	0.0250	2.8	20.0
Heptachlor	Ave	12727991	12766840		0.0251	0.0250	0.3	20.0
delta-BHC	Ave	14488768	15060400		0.0260	0.0250	3.9	20.0
Aldrin	Ave	15952665	16724000		0.0262	0.0250	4.8	20.0
Heptachlor epoxide	Ave	11559448	12199120		0.0264	0.0250	5.5	20.0
gamma-Chlordane	Ave	10519428	10983600		0.0261	0.0250	4.4	20.0
alpha-Chlordane	Ave	10158442	10614760		0.0261	0.0250	4.5	20.0
Endosulfan I	Ave	8723156	9144040		0.0262	0.0250	4.8	20.0
4,4'-DDE	Ave	11151140	10971640		0.0246	0.0250	-1.6	20.0
Dieldrin	Ave	9292294	10044600		0.0270	0.0250	8.1	20.0
Endrin	Ave	7259669	7718320		0.0266	0.0250	6.3	20.0
4,4'-DDD	Ave	8418414	8980400		0.0267	0.0250	6.7	20.0
Endosulfan II	Ave	8446883	9505400		0.0281	0.0250	12.5	20.0
4,4'-DDT	Qua	5063988	5081000		0.0245	0.0250	-1.9	20.0
Endrin aldehyde	Ave	7725434	7872040		0.0255	0.0250	1.9	20.0
Endosulfan sulfate	Ave	7932538	8628080		0.0272	0.0250	8.8	20.0
Methoxychlor	Ave	2758539	2612040		0.0237	0.0250	-5.3	20.0
Endrin ketone	Ave	8155648	8502520		0.0261	0.0250	4.3	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: ICV 180-50786/10 Calibration Date: 10/03/2012 14:25

Instrument ID: GC15 Calib Start Date: 10/03/2012 12:52

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 10/03/2012 14:10

Lab File ID: R10120000039.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	5.42	5.37	5.47
gamma-BHC (Lindane)	5.71	5.66	5.76
beta-BHC	5.94	5.89	5.99
Heptachlor	6.02	5.96	6.06
delta-BHC	6.16	6.11	6.21
Aldrin	6.27	6.22	6.32
Heptachlor epoxide	6.70	6.65	6.75
gamma-Chlordane	6.92	6.87	6.97
alpha-Chlordane	6.98	6.93	7.03
Endosulfan I	7.05	7.00	7.10
4,4'-DDE	7.11	7.06	7.16
Dieldrin	7.28	7.23	7.33
Endrin	7.54	7.49	7.59
4,4'-DDD	7.62	7.57	7.67
Endosulfan II	7.80	7.75	7.85
4,4'-DDT	7.85	7.80	7.90
Endrin aldehyde	7.96	7.91	8.01
Endosulfan sulfate	8.17	8.12	8.22
Methoxychlor	8.39	8.34	8.44
Endrin ketone	8.75	8.70	8.80
DCB Decachlorobiphenyl (Surr)	0.00	10.27	10.37
Tetrachloro-m-xylene	0.00	4.92	5.02

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000039.D
Report Date: 04-Oct-2012 07:59

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000039.D
Lab Smp Id: ICV 547586
Inj Date : 03-OCT-2012 14:25
Operator : 402331 Inst ID: gc15.i
Smp Info : ICV 547586,2012.b
Misc Info :
Comment : 8081 Analysis
Method : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\TPESTB2.m
Meth Date : 04-Oct-2012 07:58 oravecj Quant Type: ESTD
Cal Date : 03-OCT-2012 14:10 Cal File: R10120000038.D
Als bottle: 110 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PESTCAL.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 4 Tetrachloro-m-xylene	Compound Not Detected.					
6 alpha-BHC	5.420	5.418	0.002	576350	0.02500	0.02778(a)
7 gamma-BHC (Lindane)	5.709	5.707	0.002	451374	0.02500	0.02699(a)
10 beta-BHC	5.936	5.935	0.001	213500	0.02500	0.02569(a)
11 Heptachlor	6.015	6.013	0.002	319171	0.02500	0.02508(a)
13 delta-BHC	6.158	6.157	0.001	376510	0.02500	0.02599(a)
17 Aldrin	6.272	6.271	0.001	418100	0.02500	0.02621(a)
21 Heptachlor epoxide	6.704	6.702	0.002	304978	0.02500	0.02638(a)
24 gamma-Chlordane	6.921	6.921	0.000	274590	0.02500	0.02610(a)
25 alpha-Chlordane	6.980	6.979	0.001	265369	0.02500	0.02612(a)
26 Endosulfan I	7.046	7.046	0.000	228601	0.02500	0.02621(a)
27 4,4'-DDE	7.113	7.112	0.001	274291	0.02500	0.02460(a)
28 Dieldrin	7.284	7.283	0.001	251115	0.02500	0.02702(a)
29 Endrin	7.542	7.543	-0.001	192958	0.02500	0.02658(a)
30 4,4'-DDD	7.615	7.615	0.000	224510	0.02500	0.02667(a)
32 Endosulfan II	7.799	7.798	0.001	237635	0.02500	0.02813(a)
33 4,4'-DDT	7.851	7.851	0.000	127025	0.02500	0.02452(a)
34 Endrin aldehyde	7.958	7.959	-0.001	196801	0.02500	0.02547(a)
35 Endosulfan sulfate	8.168	8.169	-0.001	215702	0.02500	0.02719(a)
36 Methoxychlor	8.393	8.394	-0.001	65301	0.02500	0.02367(a)
38 Endrin ketone	8.751	8.752	-0.001	212563	0.02500	0.02606(a)
$ 39 DCB Decachlorobiphenyl (Surr)	Compound Not Detected.					

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000039.D
Report Date: 04-Oct-2012 07:59

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)

QC Flag Legend

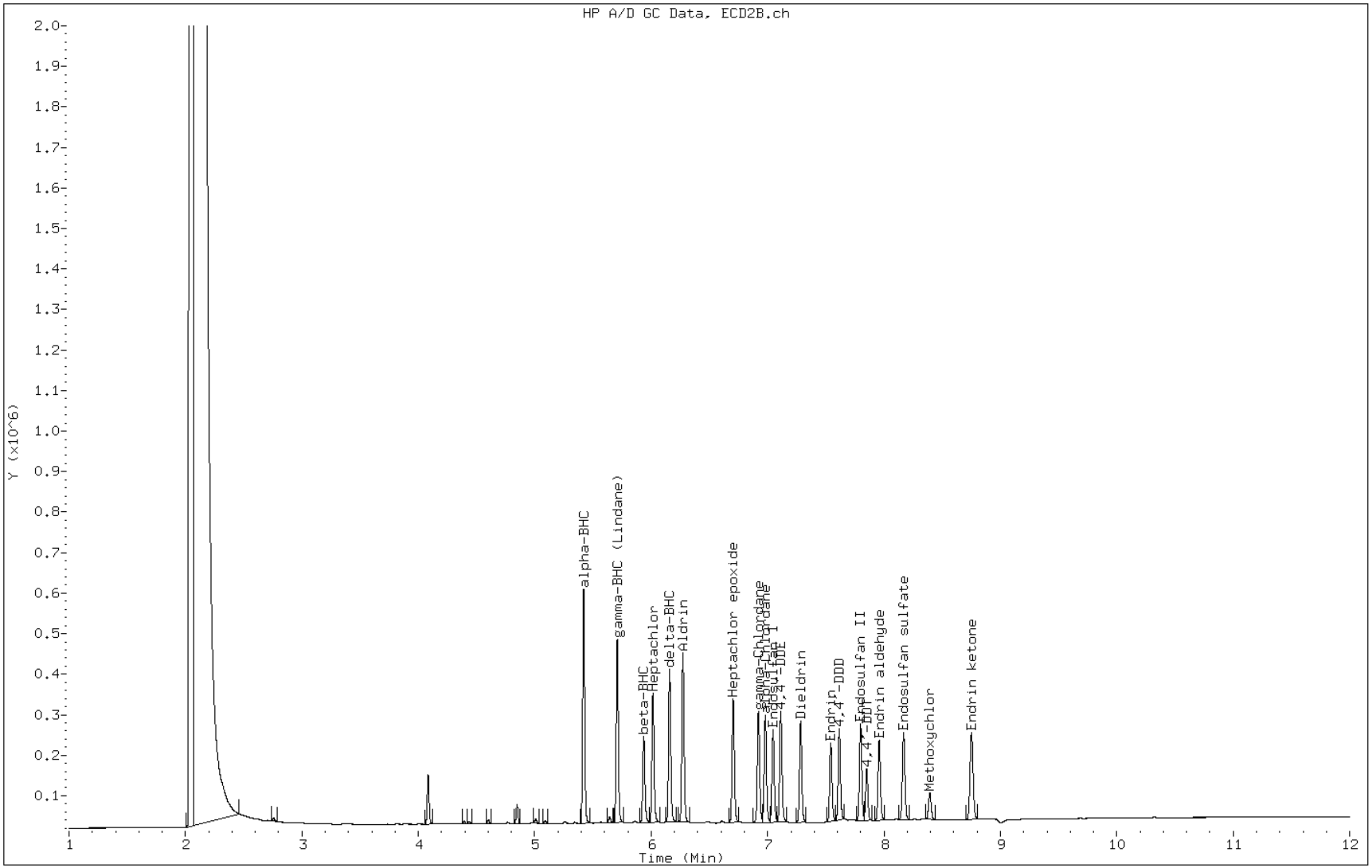
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: R10120000039.D

Date: 03-OCT-2012 14:25

Client ID: Instrument: gc15.i

Sample Info: ICV 547586,2012.b Operator: 402331



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: CCV 180-50786/20 Calibration Date: 10/03/2012 19:58

Instrument ID: GC15 Calib Start Date: 10/03/2012 12:52

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 10/03/2012 14:10

Lab File ID: Q10120000060.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	44732120	45919520		0.0257	0.0250	2.7	15.0
gamma-BHC (Lindane)	Ave	35762203	35553160		0.0249	0.0250	-0.6	15.0
beta-BHC	Ave	15675580	15686560		0.0250	0.0250	0.0	15.0
delta-BHC	Ave	29385972	30463920		0.0259	0.0250	3.7	15.0
Heptachlor	Ave	28682221	27879040		0.0243	0.0250	-2.8	15.0
Aldrin	Ave	36131542	36922120		0.0255	0.0250	2.2	15.0
Heptachlor epoxide	Ave	29619925	30571880		0.0258	0.0250	3.2	15.0
gamma-Chlordane	Ave	30516366	30760520		0.0252	0.0250	0.8	15.0
alpha-Chlordane	Ave	29561107	29801400		0.0252	0.0250	0.8	15.0
Endosulfan I	Ave	26174012	27154880		0.0259	0.0250	3.7	15.0
4,4'-DDE	Ave	30680615	31968120		0.0260	0.0250	4.2	15.0
Dieldrin	Ave	29212869	29911880		0.0256	0.0250	2.4	15.0
Endrin	Ave	23576337	24645640		0.0261	0.0250	4.5	15.0
4,4'-DDD	Ave	21159694	20131480		0.0238	0.0250	-4.9	15.0
Endosulfan II	Ave	21799834	22651360		0.0260	0.0250	3.9	15.0
Endrin aldehyde	Ave	18134678	18327000		0.0253	0.0250	1.1	15.0
4,4'-DDT	Qua	12114312	11663800		0.0240	0.0250	-4.1	15.0
Endosulfan sulfate	Ave	18297068	18184800		0.0248	0.0250	-0.6	15.0
Methoxychlor	Ave	5880088	5440240		0.0231	0.0250	-7.5	15.0
Endrin ketone	Ave	20693538	19657760		0.0237	0.0250	-5.0	15.0
Tetrachloro-m-xylene	Ave	40805134	41312400		0.0253	0.0250	1.2	15.0
DCB Decachlorobiphenyl (Surr)	Ave	13529663	12936040		0.0239	0.0250	-4.4	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: CCV 180-50786/20 Calibration Date: 10/03/2012 19:58

Instrument ID: GC15 Calib Start Date: 10/03/2012 12:52

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 10/03/2012 14:10

Lab File ID: Q10120000060.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.70	4.67	4.73
gamma-BHC (Lindane)	4.96	4.93	4.99
beta-BHC	5.12	5.09	5.15
delta-BHC	5.30	5.27	5.33
Heptachlor	5.41	5.38	5.44
Aldrin	5.68	5.65	5.71
Heptachlor epoxide	6.03	6.01	6.07
gamma-Chlordane	6.25	6.22	6.28
alpha-Chlordane	6.32	6.29	6.35
Endosulfan I	6.35	6.33	6.39
4,4'-DDE	6.48	6.45	6.51
Dieldrin	6.59	6.56	6.62
Endrin	6.78	6.76	6.82
4,4'-DDD	6.93	6.90	6.96
Endosulfan II	6.98	6.95	7.01
Endrin aldehyde	7.09	7.07	7.13
4,4'-DDT	7.20	7.17	7.23
Endosulfan sulfate	7.30	7.28	7.34
Methoxychlor	7.64	7.62	7.68
Endrin ketone	7.73	7.70	7.76
Tetrachloro-m-xylene	4.35	4.32	4.38
DCB Decachlorobiphenyl (Surr)	9.21	9.16	9.26

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000060.D
Report Date: 04-Oct-2012 08:13

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000060.D
Lab Smp Id: CCV 547576
Inj Date : 03-OCT-2012 19:58
Operator : 402331 Inst ID: gc15.i
Smp Info : CCV 547576,2012.b
Misc Info :
Comment : 8081 analysis
Method : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\TPESTA1.m
Meth Date : 04-Oct-2012 08:13 oravecj Quant Type: ESTD
Cal Date : 03-OCT-2012 14:10 Cal File: Q10120000038.D
Als bottle: 20 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PESTCAL.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 4 Tetrachloro-m-xylene	4.353	4.354	-0.001	1032810	0.02500	0.02531
6 alpha-BHC	4.702	4.703	-0.001	1147988	0.02500	0.02566
7 gamma-BHC (Lindane)	4.956	4.956	0.000	888829	0.02500	0.02485
8 beta-BHC	5.116	5.117	-0.001	392164	0.02500	0.02502
11 delta-BHC	5.304	5.304	0.000	761598	0.02500	0.02592
12 Heptachlor	5.414	5.414	0.000	696976	0.02500	0.02430
17 Aldrin	5.684	5.684	0.000	923053	0.02500	0.02555
20 Heptachlor epoxide	6.034	6.035	-0.001	764297	0.02500	0.02580
24 gamma-Chlordane	6.250	6.251	-0.001	769013	0.02500	0.02520
25 alpha-Chlordane	6.315	6.317	-0.002	745035	0.02500	0.02520
26 Endosulfan I	6.354	6.355	-0.001	678872	0.02500	0.02594
27 4,4'-DDE	6.478	6.479	-0.001	799203	0.02500	0.02605
28 Dieldrin	6.590	6.590	0.000	747797	0.02500	0.02560
30 Endrin	6.784	6.785	-0.001	616141	0.02500	0.02613
31 4,4'-DDD	6.927	6.928	-0.001	503287	0.02500	0.02378
32 Endosulfan II	6.980	6.981	-0.001	566284	0.02500	0.02598
33 Endrin aldehyde	7.094	7.097	-0.003	458175	0.02500	0.02526
34 4,4'-DDT	7.203	7.204	-0.001	291595	0.02500	0.02398
35 Endosulfan sulfate	7.304	7.305	-0.001	454620	0.02500	0.02485
36 Methoxychlor	7.644	7.646	-0.002	136006	0.02500	0.02313
37 Endrin ketone	7.729	7.730	-0.001	491444	0.02500	0.02375

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000060.D
Report Date: 04-Oct-2012 08:13

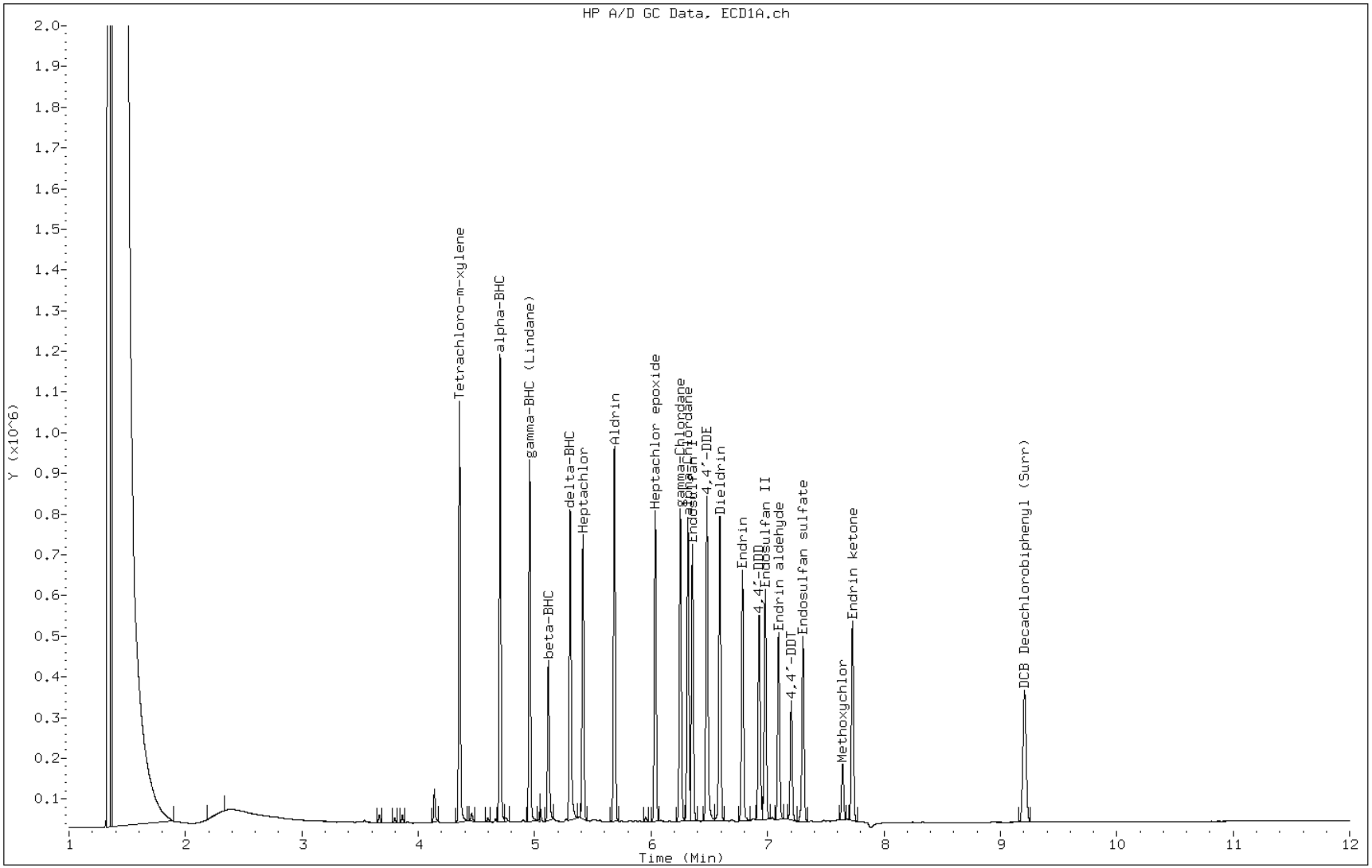
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 39 DCB Decachlorobiphenyl (Surr)	9.206	9.207	-0.001	323401	0.02500	0.02390

Data File: Q10120000060.D

Date: 03-OCT-2012 19:58

Client ID: Instrument: gc15.i

Sample Info: CCV 547576,2012.b Operator: 402331



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: CCV 180-50786/20 Calibration Date: 10/03/2012 19:58

Instrument ID: GC15 Calib Start Date: 10/03/2012 12:52

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 10/03/2012 14:10

Lab File ID: R10120000060.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	20747268	21643160		0.0261	0.0250	4.3	15.0
gamma-BHC (Lindane)	Ave	16725423	16839640		0.0252	0.0250	0.7	15.0
beta-BHC	Ave	8309768	8278840		0.0249	0.0250	-0.4	15.0
Heptachlor	Ave	12727991	12638640		0.0248	0.0250	-0.7	15.0
delta-BHC	Ave	14488768	15102720		0.0261	0.0250	4.2	15.0
Aldrin	Ave	15952665	16164120		0.0253	0.0250	1.3	15.0
Heptachlor epoxide	Ave	11559448	11393800		0.0246	0.0250	-1.4	15.0
gamma-Chlordane	Ave	10519428	10294760		0.0245	0.0250	-2.1	15.0
alpha-Chlordane	Ave	10158442	9780760		0.0241	0.0250	-3.7	15.0
Endosulfan I	Ave	8723156	8444240		0.0242	0.0250	-3.2	15.0
4,4'-DDE	Ave	11151140	10718480		0.0240	0.0250	-3.9	15.0
Dieldrin	Ave	9292294	9063600		0.0244	0.0250	-2.5	15.0
Endrin	Ave	7259669	7260840		0.0250	0.0250	0.0	15.0
4,4'-DDD	Ave	8418414	8536520		0.0254	0.0250	1.4	15.0
Endosulfan II	Ave	8446883	8504760		0.0252	0.0250	0.7	15.0
4,4'-DDT	Qua	5063988	4820440		0.0235	0.0250	-6.0	15.0
Endrin aldehyde	Ave	7725434	7733480		0.0250	0.0250	0.1	15.0
Endosulfan sulfate	Ave	7932538	7765240		0.0245	0.0250	-2.1	15.0
Methoxychlor	Ave	2758539	2590080		0.0235	0.0250	-6.1	15.0
Endrin ketone	Ave	8155648	8073240		0.0247	0.0250	-1.0	15.0
Tetrachloro-m-xylene	Ave	19871068	20016200		0.0252	0.0250	0.7	15.0
DCB Decachlorobiphenyl (Surr)	Ave	6312687	6119560		0.0242	0.0250	-3.1	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: CCV 180-50786/20 Calibration Date: 10/03/2012 19:58

Instrument ID: GC15 Calib Start Date: 10/03/2012 12:52

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 10/03/2012 14:10

Lab File ID: R10120000060.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	5.42	5.37	5.47
gamma-BHC (Lindane)	5.71	5.66	5.76
beta-BHC	5.94	5.89	5.99
Heptachlor	6.02	5.96	6.06
delta-BHC	6.16	6.11	6.21
Aldrin	6.27	6.22	6.32
Heptachlor epoxide	6.71	6.65	6.75
gamma-Chlordane	6.92	6.87	6.97
alpha-Chlordane	6.98	6.93	7.03
Endosulfan I	7.05	7.00	7.10
4,4'-DDE	7.11	7.06	7.16
Dieldrin	7.28	7.23	7.33
Endrin	7.54	7.49	7.59
4,4'-DDD	7.62	7.57	7.67
Endosulfan II	7.80	7.75	7.85
4,4'-DDT	7.85	7.80	7.90
Endrin aldehyde	7.96	7.91	8.01
Endosulfan sulfate	8.17	8.12	8.22
Methoxychlor	8.39	8.34	8.44
Endrin ketone	8.75	8.70	8.80
Tetrachloro-m-xylene	4.98	4.92	5.02
DCB Decachlorobiphenyl (Surr)	10.32	10.27	10.37

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000060.D
Report Date: 04-Oct-2012 10:18

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000060.D
Lab Smp Id: CCV 547576
Inj Date : 03-OCT-2012 19:58
Operator : 402331 Inst ID: gc15.i
Smp Info : CCV 547576,2012.b
Misc Info :
Comment : 8081 Analysis
Method : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\TPESTB2.m
Meth Date : 04-Oct-2012 10:18 oravecj Quant Type: ESTD
Cal Date : 03-OCT-2012 14:10 Cal File: R10120000038.D
Als bottle: 20 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PESTCAL.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 4 Tetrachloro-m-xylene	4.977	4.974	0.003	500405	0.02500	0.02518(a)
6 alpha-BHC	5.422	5.418	0.004	541079	0.02500	0.02608(a)
7 gamma-BHC (Lindane)	5.710	5.707	0.003	420991	0.02500	0.02517(a)
10 beta-BHC	5.937	5.935	0.002	206971	0.02500	0.02491(a)
11 Heptachlor	6.016	6.013	0.003	315966	0.02500	0.02482(a)
13 delta-BHC	6.159	6.157	0.002	377568	0.02500	0.02606(a)
17 Aldrin	6.274	6.271	0.003	404103	0.02500	0.02533(a)
21 Heptachlor epoxide	6.705	6.702	0.003	284845	0.02500	0.02464(a)
24 gamma-Chlordane	6.923	6.921	0.002	257369	0.02500	0.02447(a)
25 alpha-Chlordane	6.980	6.979	0.001	244519	0.02500	0.02407(a)
26 Endosulfan I	7.048	7.046	0.002	211106	0.02500	0.02420(a)
27 4,4'-DDE	7.113	7.112	0.001	267962	0.02500	0.02403(a)
28 Dieldrin	7.284	7.283	0.001	226590	0.02500	0.02438(a)
29 Endrin	7.544	7.543	0.001	181521	0.02500	0.02500(a)
30 4,4'-DDD	7.616	7.615	0.001	213413	0.02500	0.02535(a)
32 Endosulfan II	7.799	7.798	0.001	212619	0.02500	0.02517(a)
33 4,4'-DDT	7.852	7.851	0.001	120511	0.02500	0.02350(a)
34 Endrin aldehyde	7.959	7.959	0.000	193337	0.02500	0.02503(a)
35 Endosulfan sulfate	8.169	8.169	0.000	194131	0.02500	0.02447(a)
36 Methoxychlor	8.394	8.394	0.000	64752	0.02500	0.02347(a)
38 Endrin ketone	8.753	8.752	0.001	201831	0.02500	0.02475(a)

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000060.D
Report Date: 04-Oct-2012 10:18

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 39 DCB Decachlorobiphenyl (Surr)	10.322	10.320	0.002	152989	0.02500	0.02424

QC Flag Legend

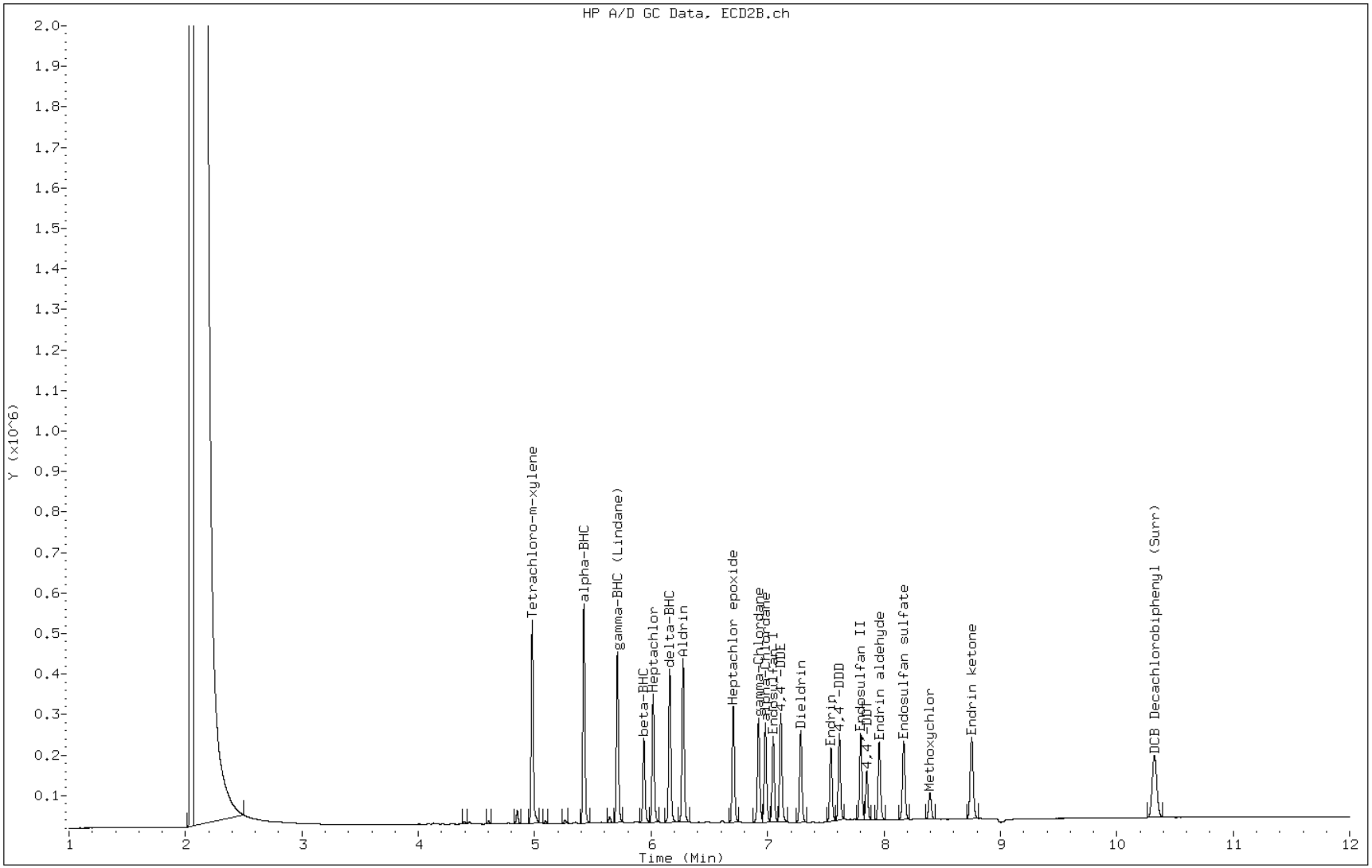
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: R10120000060.D

Date: 03-OCT-2012 19:58

Client ID: Instrument: gc15.i

Sample Info: CCV 547576,2012.b Operator: 402331



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: CCV 180-50786/41 Calibration Date: 10/04/2012 01:44

Instrument ID: GC15 Calib Start Date: 10/03/2012 12:52

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 10/03/2012 14:10

Lab File ID: Q10120000082.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	44732120	56908680		0.0318	0.0250	27.2*	15.0
gamma-BHC (Lindane)	Ave	35762203	44398800		0.0310	0.0250	24.2*	15.0
beta-BHC	Ave	15675580	18264960		0.0291	0.0250	16.5*	15.0
delta-BHC	Ave	29385972	36812840		0.0313	0.0250	25.3*	15.0
Heptachlor	Ave	28682221	36465080		0.0318	0.0250	27.1*	15.0
Aldrin	Ave	36131542	43368320		0.0300	0.0250	20.0*	15.0
Heptachlor epoxide	Ave	29619925	35232240		0.0297	0.0250	18.9*	15.0
gamma-Chlordane	Ave	30516366	35369800		0.0290	0.0250	15.9*	15.0
alpha-Chlordane	Ave	29561107	33463240		0.0283	0.0250	13.2	15.0
Endosulfan I	Ave	26174012	31959120		0.0305	0.0250	22.1*	15.0
4,4'-DDE	Ave	30680615	31963280		0.0260	0.0250	4.2	15.0
Dieldrin	Ave	29212869	33578040		0.0287	0.0250	14.9	15.0
Endrin	Ave	23576337	28282480		0.0300	0.0250	20.0*	15.0
4,4'-DDD	Ave	21159694	22175560		0.0262	0.0250	4.8	15.0
Endosulfan II	Ave	21799834	25836840		0.0296	0.0250	18.5*	15.0
Endrin aldehyde	Ave	18134678	20957360		0.0289	0.0250	15.6*	15.0
4,4'-DDT	Qua	12114312	14120200		0.0281	0.0250	12.5	15.0
Endosulfan sulfate	Ave	18297068	21074600		0.0288	0.0250	15.2*	15.0
Methoxychlor	Ave	5880088	6941720		0.0295	0.0250	18.1*	15.0
Endrin ketone	Ave	20693538	23485080		0.0284	0.0250	13.5	15.0
Tetrachloro-m-xylene	Ave	40805134	46949480		0.0288	0.0250	15.1*	15.0
DCB Decachlorobiphenyl (Surr)	Ave	13529663	13281360		0.0245	0.0250	-1.8	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: CCV 180-50786/41 Calibration Date: 10/04/2012 01:44

Instrument ID: GC15 Calib Start Date: 10/03/2012 12:52

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 10/03/2012 14:10

Lab File ID: Q10120000082.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.70	4.67	4.73
gamma-BHC (Lindane)	4.96	4.93	4.99
beta-BHC	5.12	5.09	5.15
delta-BHC	5.30	5.27	5.33
Heptachlor	5.41	5.38	5.44
Aldrin	5.68	5.65	5.71
Heptachlor epoxide	6.04	6.01	6.07
gamma-Chlordane	6.25	6.22	6.28
alpha-Chlordane	6.32	6.29	6.35
Endosulfan I	6.36	6.33	6.39
4,4'-DDE	6.48	6.45	6.51
Dieldrin	6.59	6.56	6.62
Endrin	6.79	6.76	6.82
4,4'-DDD	6.93	6.90	6.96
Endosulfan II	6.98	6.95	7.01
Endrin aldehyde	7.09	7.07	7.13
4,4'-DDT	7.20	7.17	7.23
Endosulfan sulfate	7.30	7.28	7.34
Methoxychlor	7.64	7.62	7.68
Endrin ketone	7.73	7.70	7.76
Tetrachloro-m-xylene	4.35	4.32	4.38
DCB Decachlorobiphenyl (Surr)	9.20	9.16	9.26

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000082.D
Report Date: 04-Oct-2012 08:31

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000082.D
Lab Smp Id: CCV 547576
Inj Date : 04-OCT-2012 01:44
Operator : 402331 Inst ID: gc15.i
Smp Info : CCV 547576,2012.b
Misc Info :
Comment : 8081 analysis
Method : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\TPESTA1.m
Meth Date : 04-Oct-2012 08:31 gc15.i Quant Type: ESTD
Cal Date : 03-OCT-2012 14:10 Cal File: Q10120000038.D
Als bottle: 42 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PESTCAL.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 4 Tetrachloro-m-xylene	4.353	4.354	-0.001	1173737	0.02500	0.02876
6 alpha-BHC	4.702	4.703	-0.001	1422717	0.02500	0.03180
7 gamma-BHC (Lindane)	4.957	4.956	0.001	1109970	0.02500	0.03104
8 beta-BHC	5.117	5.117	0.000	456624	0.02500	0.02913
11 delta-BHC	5.304	5.304	0.000	920321	0.02500	0.03132
12 Heptachlor	5.414	5.414	0.000	911627	0.02500	0.03178
17 Aldrin	5.684	5.684	0.000	1084208	0.02500	0.03001
20 Heptachlor epoxide	6.035	6.035	0.000	880806	0.02500	0.02974
24 gamma-Chlordane	6.250	6.251	-0.001	884245	0.02500	0.02898
25 alpha-Chlordane	6.317	6.317	0.000	836581	0.02500	0.02830
26 Endosulfan I	6.355	6.355	0.000	798978	0.02500	0.03052
27 4,4'-DDE	6.479	6.479	0.000	799082	0.02500	0.02604
28 Dieldrin	6.589	6.590	-0.001	839451	0.02500	0.02874
30 Endrin	6.785	6.785	0.000	707062	0.02500	0.02999
31 4,4'-DDD	6.928	6.928	0.000	554389	0.02500	0.02620
32 Endosulfan II	6.980	6.981	-0.001	645921	0.02500	0.02963
33 Endrin aldehyde	7.094	7.097	-0.003	523934	0.02500	0.02889
34 4,4'-DDT	7.203	7.204	-0.001	353005	0.02500	0.02814
35 Endosulfan sulfate	7.304	7.305	-0.001	526865	0.02500	0.02880
36 Methoxychlor	7.644	7.646	-0.002	173543	0.02500	0.02951
37 Endrin ketone	7.729	7.730	-0.001	587127	0.02500	0.02837

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000082.D
Report Date: 04-Oct-2012 08:31

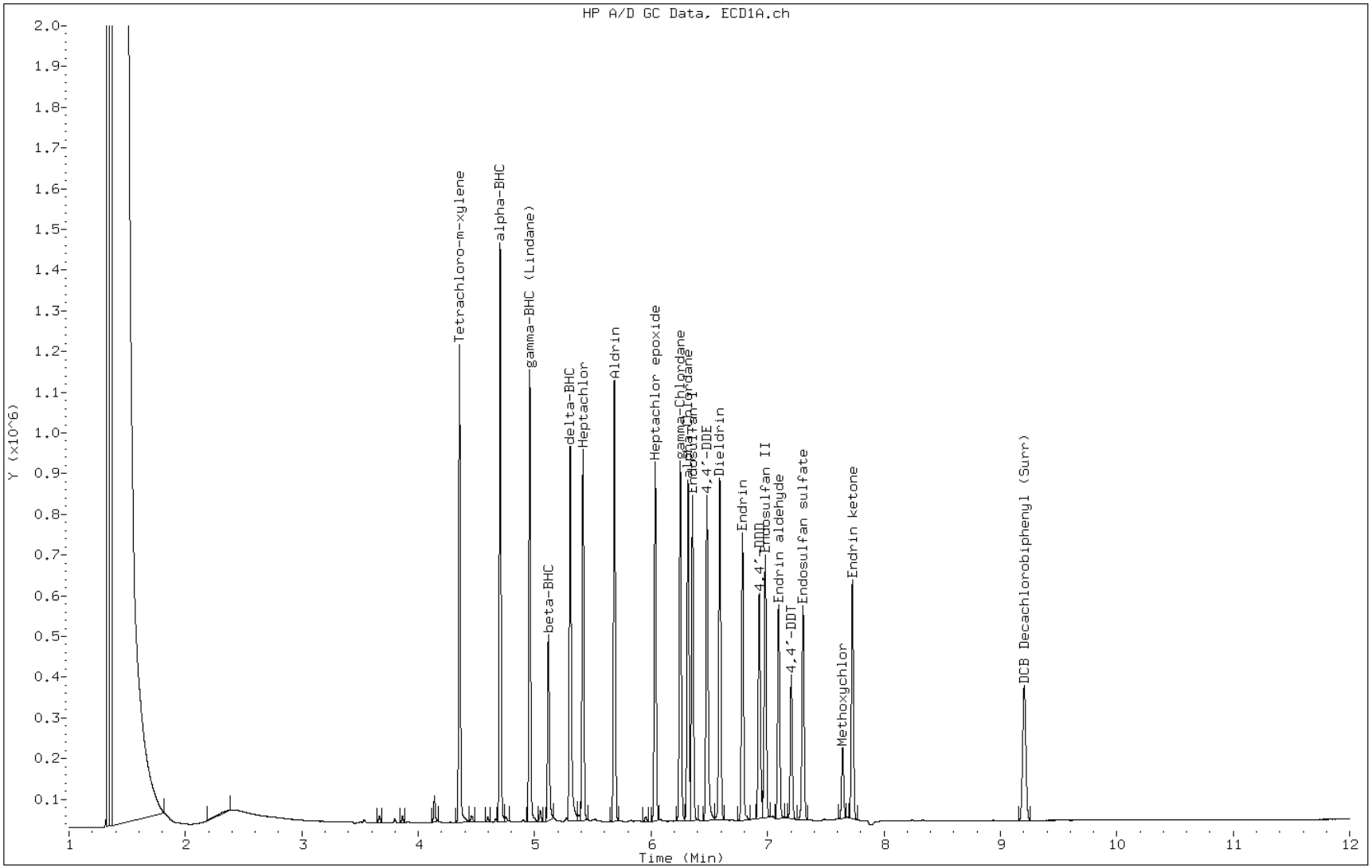
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 39 DCB Decachlorobiphenyl (Surr)	9.204	9.207	-0.003	332034	0.02500	0.02454

Data File: Q10120000082.D

Date: 04-OCT-2012 01:44

Client ID: Instrument: gc15.i

Sample Info: CCV 547576,2012.b Operator: 402331



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: CCV 180-50786/41 Calibration Date: 10/04/2012 01:44

Instrument ID: GC15 Calib Start Date: 10/03/2012 12:52

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 10/03/2012 14:10

Lab File ID: R10120000082.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	20747268	25670560		0.0309	0.0250	23.7*	15.0
gamma-BHC (Lindane)	Ave	16725423	20266920		0.0303	0.0250	21.2*	15.0
beta-BHC	Ave	8309768	9376720		0.0282	0.0250	12.8	15.0
Heptachlor	Ave	12727991	16048880		0.0315	0.0250	26.1*	15.0
delta-BHC	Ave	14488768	17901040		0.0309	0.0250	23.6*	15.0
Aldrin	Ave	15952665	17874920		0.0280	0.0250	12.0	15.0
Heptachlor epoxide	Ave	11559448	12808520		0.0277	0.0250	10.8	15.0
gamma-Chlordane	Ave	10519428	11837760		0.0281	0.0250	12.5	15.0
alpha-Chlordane	Ave	10158442	11033160		0.0272	0.0250	8.6	15.0
Endosulfan I	Ave	8723156	9602160		0.0275	0.0250	10.1	15.0
4,4'-DDE	Ave	11151140	11008200		0.0247	0.0250	-1.3	15.0
Dieldrin	Ave	9292294	10198040		0.0274	0.0250	9.7	15.0
Endrin	Ave	7259669	8404360		0.0289	0.0250	15.8*	15.0
4,4'-DDD	Ave	8418414	9183320		0.0273	0.0250	9.1	15.0
Endosulfan II	Ave	8446883	9517200		0.0282	0.0250	12.7	15.0
4,4'-DDT	Qua	5063988	5551440		0.0264	0.0250	5.4	15.0
Endrin aldehyde	Ave	7725434	8629480		0.0279	0.0250	11.7	15.0
Endosulfan sulfate	Ave	7932538	9141120		0.0288	0.0250	15.2*	15.0
Methoxychlor	Ave	2758539	3046600		0.0276	0.0250	10.4	15.0
Endrin ketone	Ave	8155648	9389360		0.0288	0.0250	15.1*	15.0
Tetrachloro-m-xylene	Ave	19871068	22321960		0.0281	0.0250	12.3	15.0
DCB Decachlorobiphenyl (Surr)	Ave	6312687	6601080		0.0261	0.0250	4.6	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: CCV 180-50786/41 Calibration Date: 10/04/2012 01:44

Instrument ID: GC15 Calib Start Date: 10/03/2012 12:52

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 10/03/2012 14:10

Lab File ID: R10120000082.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	5.42	5.37	5.47
gamma-BHC (Lindane)	5.70	5.66	5.76
beta-BHC	5.93	5.89	5.99
Heptachlor	6.01	5.96	6.06
delta-BHC	6.15	6.11	6.21
Aldrin	6.27	6.22	6.32
Heptachlor epoxide	6.70	6.65	6.75
gamma-Chlordane	6.92	6.87	6.97
alpha-Chlordane	6.97	6.93	7.03
Endosulfan I	7.04	7.00	7.10
4,4'-DDE	7.11	7.06	7.16
Dieldrin	7.28	7.23	7.33
Endrin	7.54	7.49	7.59
4,4'-DDD	7.61	7.57	7.67
Endosulfan II	7.79	7.75	7.85
4,4'-DDT	7.85	7.80	7.90
Endrin aldehyde	7.95	7.91	8.01
Endosulfan sulfate	8.16	8.12	8.22
Methoxychlor	8.39	8.34	8.44
Endrin ketone	8.75	8.70	8.80
Tetrachloro-m-xylene	4.97	4.92	5.02
DCB Decachlorobiphenyl (Surr)	10.32	10.27	10.37

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000082.D
Report Date: 04-Oct-2012 10:18

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000082.D
Lab Smp Id: CCV 547576
Inj Date : 04-OCT-2012 01:44
Operator : 402331 Inst ID: gc15.i
Smp Info : CCV 547576,2012.b
Misc Info :
Comment : 8081 Analysis
Method : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\TPESTB2.m
Meth Date : 04-Oct-2012 10:18 oravecj Quant Type: ESTD
Cal Date : 03-OCT-2012 14:10 Cal File: R10120000038.D
Als bottle: 42 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PESTCAL.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 4 Tetrachloro-m-xylene	4.972	4.974	-0.002	558049	0.02500	0.02808(a)
6 alpha-BHC	5.416	5.418	-0.002	641764	0.02500	0.03093(a)
7 gamma-BHC (Lindane)	5.704	5.707	-0.003	506673	0.02500	0.03029(a)
10 beta-BHC	5.931	5.935	-0.004	234418	0.02500	0.02821(a)
11 Heptachlor	6.010	6.013	-0.003	401222	0.02500	0.03152(a)
13 delta-BHC	6.153	6.157	-0.004	447526	0.02500	0.03089(a)
17 Aldrin	6.267	6.271	-0.004	446873	0.02500	0.02801(a)
21 Heptachlor epoxide	6.698	6.702	-0.004	320213	0.02500	0.02770(a)
24 gamma-Chlordane	6.916	6.921	-0.005	295944	0.02500	0.02813(a)
25 alpha-Chlordane	6.974	6.979	-0.005	275829	0.02500	0.02715(a)
26 Endosulfan I	7.042	7.046	-0.004	240054	0.02500	0.02752(a)
27 4,4'-DDE	7.108	7.112	-0.004	275205	0.02500	0.02468(a)
28 Dieldrin	7.278	7.283	-0.005	254951	0.02500	0.02744(a)
29 Endrin	7.537	7.543	-0.006	210109	0.02500	0.02894(a)
30 4,4'-DDD	7.611	7.615	-0.004	229583	0.02500	0.02727(a)
32 Endosulfan II	7.794	7.798	-0.004	237930	0.02500	0.02817(a)
33 4,4'-DDT	7.847	7.851	-0.004	138786	0.02500	0.02636(a)
34 Endrin aldehyde	7.954	7.959	-0.005	215737	0.02500	0.02792(a)
35 Endosulfan sulfate	8.163	8.169	-0.006	228528	0.02500	0.02881(a)
36 Methoxychlor	8.388	8.394	-0.006	76165	0.02500	0.02761(a)
38 Endrin ketone	8.746	8.752	-0.006	234734	0.02500	0.02878(a)

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000082.D
Report Date: 04-Oct-2012 10:18

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 39 DCB Decachlorobiphenyl (Surr)	10.317	10.320	-0.003	165027	0.02500	0.02614

QC Flag Legend

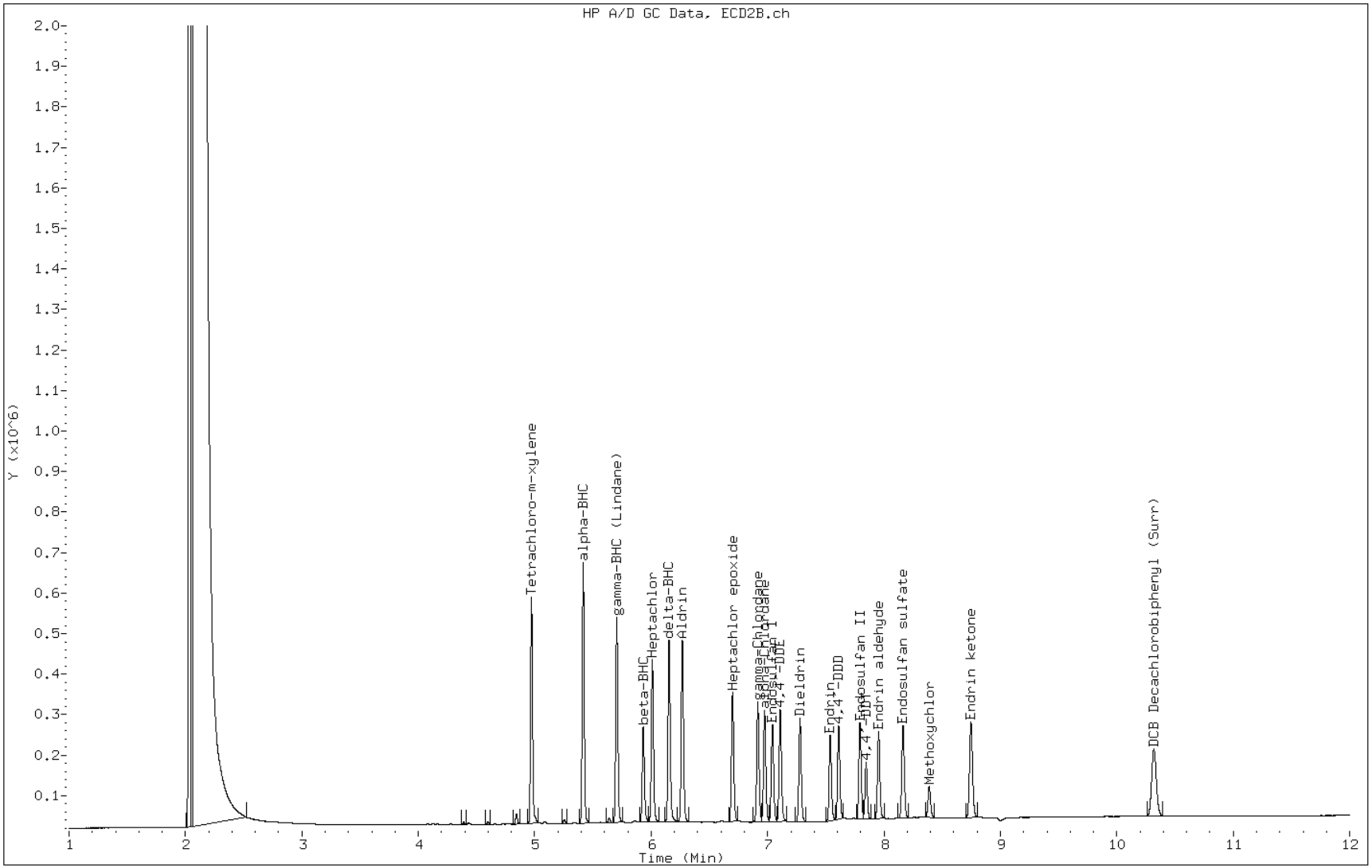
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: R10120000082.D

Date: 04-OCT-2012 01:44

Client ID: Instrument: gc15.i

Sample Info: CCV 547576,2012.b Operator: 402331



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 180-50153/1-A

Matrix: Water | Lab File ID: Q10120000063.D

Analysis Method: 8081A | Date Collected:

Extraction Method: 3510C | Date Extracted: 09/28/2012 13:45

Sample wt/vol: 1000(mL) | Date Analyzed: 10/03/2012 20:46

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: MR-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 50786 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	ND		0.0013	0.00083
319-84-6	alpha-BHC	ND		0.0013	0.00066
319-85-7	beta-BHC	ND		0.0013	0.0010
319-86-8	delta-BHC	ND		0.0013	0.00038
58-89-9	gamma-BHC (Lindane)	ND		0.0013	0.00080
5103-71-9	alpha-Chlordane	ND		0.0013	0.00098
5103-74-2	gamma-Chlordane	ND		0.0013	0.00096
72-54-8	4,4'-DDD	ND		0.0013	0.00067
72-55-9	4,4'-DDE	ND		0.0013	0.00079
50-29-3	4,4'-DDT	ND		0.0013	0.00074
60-57-1	Dieldrin	ND		0.0013	0.00082
959-98-8	Endosulfan I	ND		0.0013	0.00094
33213-65-9	Endosulfan II	ND		0.0013	0.00098
1031-07-8	Endosulfan sulfate	ND		0.0013	0.00057
72-20-8	Endrin	ND		0.0013	0.00096
7421-93-4	Endrin aldehyde	ND		0.0013	0.00090
53494-70-5	Endrin ketone	ND		0.0013	0.00092
76-44-8	Heptachlor	ND		0.0013	0.00099
1024-57-3	Heptachlor epoxide	ND		0.0013	0.00097
72-43-5	Methoxychlor	ND		0.0025	0.00091
8001-35-2	Toxaphene	ND		0.10	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	75		60-111
2051-24-3	DCB Decachlorobiphenyl (Surr)	65		56-122

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000063.D
Report Date: 04-Oct-2012 08:13

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000063.D
Lab Smp Id: mb 180-50153/1-a
Inj Date : 03-OCT-2012 20:46
Operator : 402331 Inst ID: gc15.i
Smp Info : mb 180-50153/1-a,2012.b
Misc Info :
Comment : 8081 analysis
Method : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\TPESTA1.m
Meth Date : 04-Oct-2012 08:13 oravecj Quant Type: ESTD
Cal Date : 03-OCT-2012 14:10 Cal File: Q10120000038.D
Als bottle: 23
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEST.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.353	4.354	-0.001	616096	0.01510	0.01510(a)
6 alpha-BHC	Compound Not Detected.					
7 gamma-BHC (Lindane)	Compound Not Detected.					
8 beta-BHC	Compound Not Detected.					
9 Chlordane	Compound Not Detected.					
11 delta-BHC	Compound Not Detected.					
12 Heptachlor	Compound Not Detected.					
17 Aldrin	Compound Not Detected.					
20 Heptachlor epoxide	Compound Not Detected.					
24 gamma-Chlordane	Compound Not Detected.					
25 alpha-Chlordane	Compound Not Detected.					
26 Endosulfan I	Compound Not Detected.					
27 4,4'-DDE	Compound Not Detected.					
28 Dieldrin	Compound Not Detected.					
29 Toxaphene	Compound Not Detected.					
30 Endrin	Compound Not Detected.					
31 4,4'-DDD	Compound Not Detected.					
32 Endosulfan II	Compound Not Detected.					
33 Endrin aldehyde	Compound Not Detected.					
34 4,4'-DDT	Compound Not Detected.					
35 Endosulfan sulfate	Compound Not Detected.					

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000063.D
Report Date: 04-Oct-2012 08:13

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ng)
36 Methoxychlor	Compound Not Detected.					
37 Endrin ketone	Compound Not Detected.					
$ 39 DCB Decachlorobiphenyl (Surr)	9.207	9.207	0.000	177221	0.01310	0.01310(aR)

QC Flag Legend

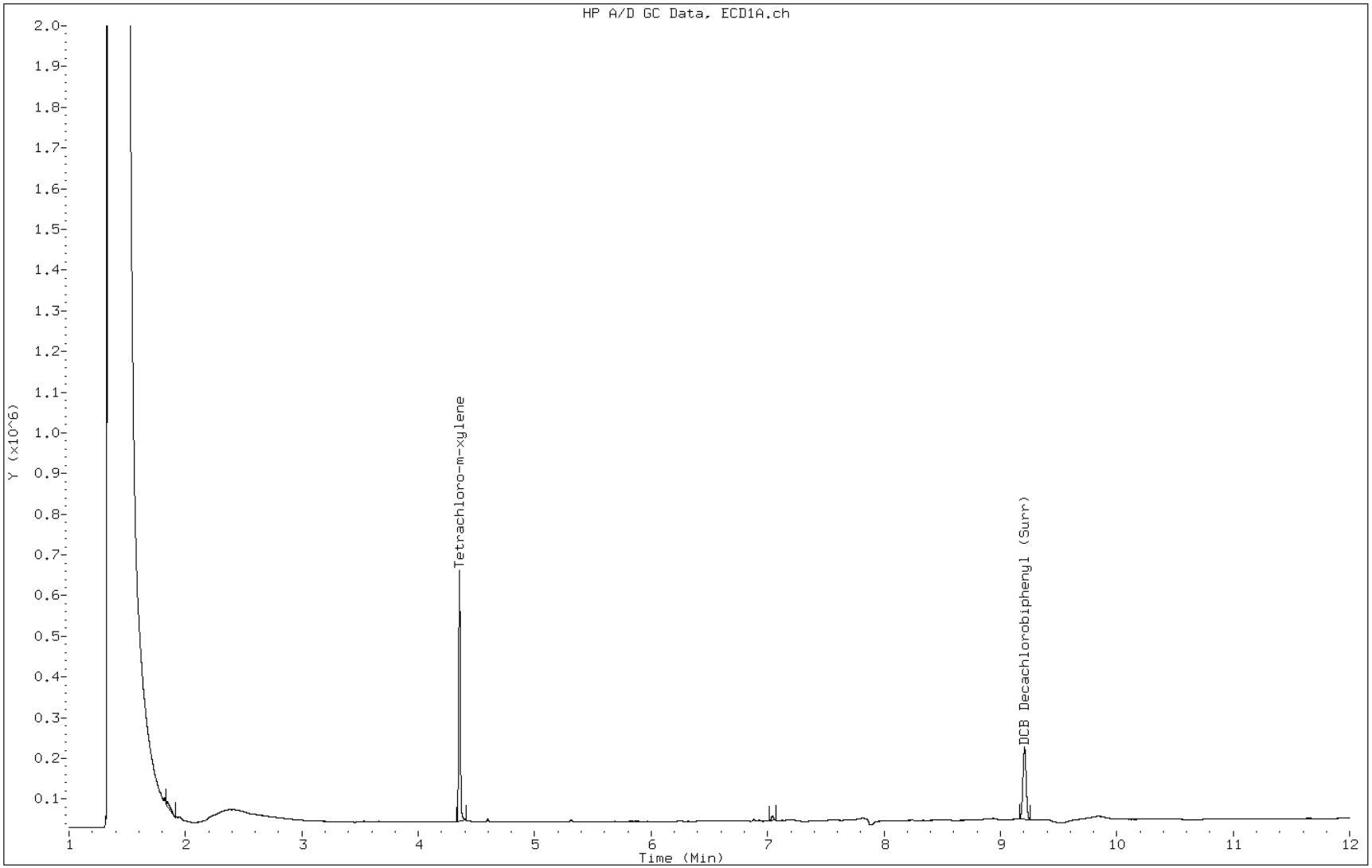
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: Q10120000063.D

Date: 03-OCT-2012 20:46

Client ID: Instrument: gc15.i

Sample Info: mb 180-50153/1-a,2012.b Operator: 402331



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 180-50153/1-A
Matrix: Water
Lab File ID: R10120000063.D
Analysis Method: 8081A
Date Collected:
Extraction Method: 3510C
Date Extracted: 09/28/2012 13:45
Sample wt/vol: 1000(mL)
Date Analyzed: 10/03/2012 20:46
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: MR-2 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 50786
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	77		60-111
2051-24-3	DCB Decachlorobiphenyl (Surr)	74		56-122

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000063.D
Report Date: 04-Oct-2012 10:18

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000063.D
Lab Smp Id: mb 180-50153/1-a
Inj Date : 03-OCT-2012 20:46
Operator : 402331 Inst ID: gc15.i
Smp Info : mb 180-50153/1-a,2012.b
Misc Info :
Comment : 8081 Analysis
Method : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\TPESTB2.m
Meth Date : 04-Oct-2012 10:18 oravecj Quant Type: ESTD
Cal Date : 03-OCT-2012 14:10 Cal File: R10120000038.D
Als bottle: 23
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEST.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.973	4.974	-0.001	306539	0.01543	0.01543(a)
6 alpha-BHC	Compound Not Detected.					
7 gamma-BHC (Lindane)	Compound Not Detected.					
8 Chlordane	Compound Not Detected.					
10 beta-BHC	Compound Not Detected.					
11 Heptachlor	Compound Not Detected.					
13 delta-BHC	Compound Not Detected.					
17 Aldrin	Compound Not Detected.					
21 Heptachlor epoxide	Compound Not Detected.					
24 gamma-Chlordane	Compound Not Detected.					
25 alpha-Chlordane	Compound Not Detected.					
26 Endosulfan I	Compound Not Detected.					
27 4,4'-DDE	Compound Not Detected.					
28 Dieldrin	Compound Not Detected.					
31 Toxaphene	Compound Not Detected.					
29 Endrin	Compound Not Detected.					
30 4,4'-DDD	Compound Not Detected.					
32 Endosulfan II	Compound Not Detected.					
33 4,4'-DDT	Compound Not Detected.					
34 Endrin aldehyde	Compound Not Detected.					
35 Endosulfan sulfate	Compound Not Detected.					

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000063.D
Report Date: 04-Oct-2012 10:18

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ng)
36 Methoxychlor	Compound Not Detected.					
38 Endrin ketone	Compound Not Detected.					
$ 39 DCB Decachlorobiphenyl (Surr)	10.320	10.320	0.000	93427	0.01480	0.01480(R)

QC Flag Legend

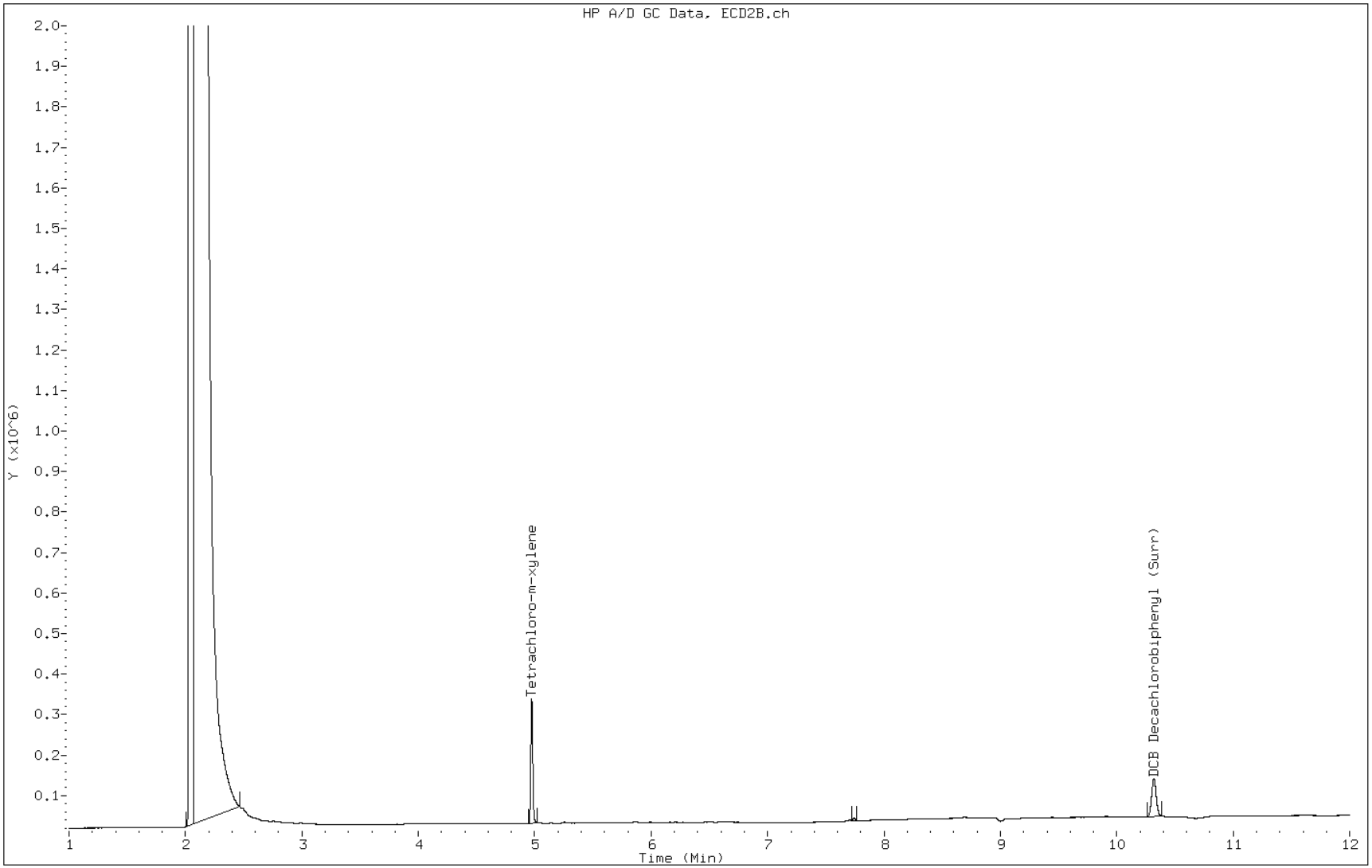
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: R10120000063.D

Date: 03-OCT-2012 20:46

Client ID: Instrument: gc15.i

Sample Info: mb 180-50153/1-a,2012.b Operator: 402331



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 180-50153/2-A
Matrix: Water
Lab File ID: Q10120000064.D
Analysis Method: 8081A
Date Collected:
Extraction Method: 3510C
Date Extracted: 09/28/2012 13:45
Sample wt/vol: 1000(mL)
Date Analyzed: 10/03/2012 21:02
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: MR-1 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 50786
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	0.0220		0.0013	0.00083
319-84-6	alpha-BHC	0.0219		0.0013	0.00066
319-85-7	beta-BHC	0.0213		0.0013	0.0010
319-86-8	delta-BHC	0.0226		0.0013	0.00038
58-89-9	gamma-BHC (Lindane)	0.0215		0.0013	0.00080
5103-71-9	alpha-Chlordane	0.0201		0.0013	0.00098
5103-74-2	gamma-Chlordane	0.0206		0.0013	0.00096
72-54-8	4,4'-DDD	0.0204		0.0013	0.00067
72-55-9	4,4'-DDE	0.0199		0.0013	0.00079
50-29-3	4,4'-DDT	0.0200		0.0013	0.00074
60-57-1	Dieldrin	0.0208		0.0013	0.00082
959-98-8	Endosulfan I	0.0216		0.0013	0.00094
33213-65-9	Endosulfan II	0.0217		0.0013	0.00098
1031-07-8	Endosulfan sulfate	0.0196		0.0013	0.00057
72-20-8	Endrin	0.0216		0.0013	0.00096
7421-93-4	Endrin aldehyde	0.0206		0.0013	0.00090
53494-70-5	Endrin ketone	0.0202		0.0013	0.00092
76-44-8	Heptachlor	0.0216		0.0013	0.00099
1024-57-3	Heptachlor epoxide	0.0212		0.0013	0.00097
72-43-5	Methoxychlor	0.0201		0.0025	0.00091
8001-35-2	Toxaphene	ND		0.10	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	83		60-111
2051-24-3	DCB Decachlorobiphenyl (Surr)	74		56-122

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000064.D
Report Date: 04-Oct-2012 08:16

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000064.D
Lab Smp Id: lcs 180-50153/2-a
Inj Date : 03-OCT-2012 21:02
Operator : 402331 Inst ID: gc15.i
Smp Info : lcs 180-50153/2-a,2012.b
Misc Info :
Comment : 8081 analysis
Method : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\TPESTA1.m
Meth Date : 04-Oct-2012 08:14 oravecj Quant Type: ESTD
Cal Date : 03-OCT-2012 14:10 Cal File: Q10120000038.D
Als bottle: 24
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEST.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.353	4.354	-0.001	679391	0.01665	0.01665(a)
6 alpha-BHC	4.702	4.703	-0.001	978120	0.02187	0.02187(a)
7 gamma-BHC (Lindane)	4.956	4.956	0.000	767939	0.02147	0.02147(a)
8 beta-BHC	5.116	5.117	-0.001	334234	0.02132	0.02132(a)
9 Chlordane	Compound Not Detected.					
11 delta-BHC	5.304	5.304	0.000	663776	0.02259	0.02259(a)
12 Heptachlor	5.413	5.414	-0.001	618173	0.02155	0.02155(a)
17 Aldrin	5.683	5.684	-0.001	794276	0.02198	0.02198(a)
20 Heptachlor epoxide	6.034	6.035	-0.001	627037	0.02117	0.02117(a)
24 gamma-Chlordane	6.249	6.251	-0.002	627260	0.02055	0.02055(a)
25 alpha-Chlordane	6.316	6.317	-0.001	595600	0.02015	0.02015(a)
26 Endosulfan I	6.354	6.355	-0.001	564060	0.02155	0.02155(a)
27 4,4'-DDE	6.477	6.479	-0.002	609171	0.01986	0.01986(a)
28 Dieldrin	6.589	6.590	-0.001	608516	0.02083	0.02083(a)
29 Toxaphene	Compound Not Detected.					
30 Endrin	6.784	6.785	-0.001	510232	0.02164	0.02164(a)
31 4,4'-DDD	6.925	6.928	-0.003	431447	0.02039	0.02039(a)
32 Endosulfan II	6.979	6.981	-0.002	472192	0.02166	0.02166(a)
33 Endrin aldehyde	7.094	7.097	-0.003	374287	0.02064	0.02064(a)
34 4,4'-DDT	7.202	7.204	-0.002	232929	0.02000	0.02000(a)
35 Endosulfan sulfate	7.303	7.305	-0.002	359093	0.01963	0.01962(a)

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000064.D
Report Date: 04-Oct-2012 08:16

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
36 Methoxychlor	7.643	7.646	-0.003	118147	0.02009	0.02009(a)
37 Endrin ketone	7.728	7.730	-0.002	418348	0.02022	0.02022(a)
$ 39 DCB Decachlorobiphenyl (Surr)	9.204	9.207	-0.003	199649	0.01476	0.01476(aR)

QC Flag Legend

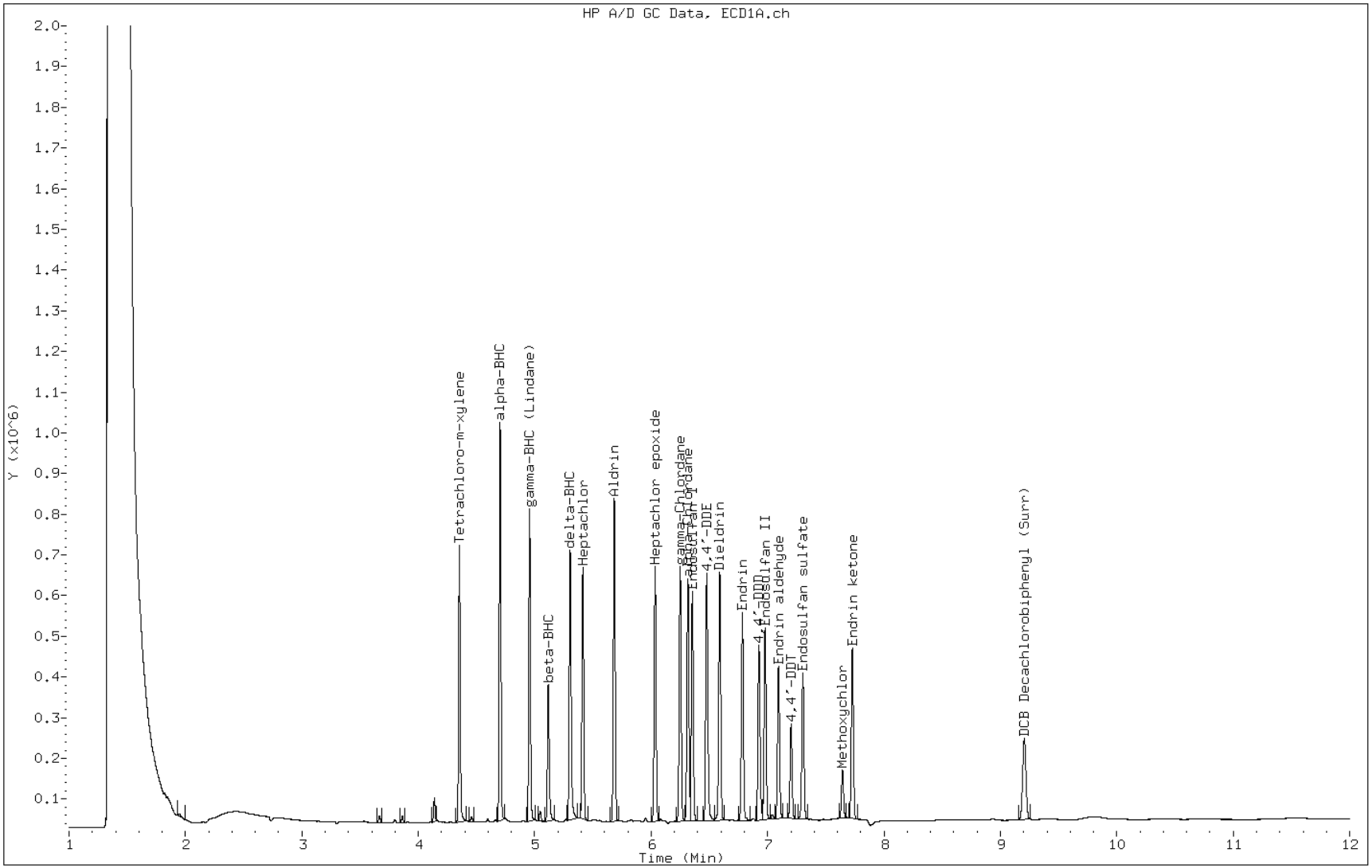
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: Q10120000064.D

Date: 03-OCT-2012 21:02

Client ID: Instrument: gc15.i

Sample Info: lcs 180-50153/2-a,2012.b Operator: 402331



FORM I

GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14634-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 180-50153/2-A

Matrix: Water | Lab File ID: R10120000064.D

Analysis Method: 8081A | Date Collected:

Extraction Method: 3510C | Date Extracted: 09/28/2012 13:45

Sample wt/vol: 1000(mL) | Date Analyzed: 10/03/2012 21:02

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: MR-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 50786 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	83		60-111
2051-24-3	DCB Decachlorobiphenyl (Surr)	81		56-122

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000064.D
Report Date: 04-Oct-2012 10:18

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000064.D
Lab Smp Id: lcs 180-50153/2-a
Inj Date : 03-OCT-2012 21:02
Operator : 402331 Inst ID: gc15.i
Smp Info : lcs 180-50153/2-a,2012.b
Misc Info :
Comment : 8081 Analysis
Method : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\TPESTB2.m
Meth Date : 04-Oct-2012 10:18 oravecj Quant Type: ESTD
Cal Date : 03-OCT-2012 14:10 Cal File: R10120000038.D
Als bottle: 24
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEST.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.977	4.974	0.003	331232	0.01667	0.01667(a)
6 alpha-BHC	5.422	5.418	0.004	465023	0.02241	0.02241(a)
7 gamma-BHC (Lindane)	5.710	5.707	0.003	362478	0.02167	0.02167(a)
8 Chlordane	Compound Not Detected.					
10 beta-BHC	5.938	5.935	0.003	174623	0.02101	0.02101(a)
11 Heptachlor	6.016	6.013	0.003	279781	0.02198	0.02198(a)
13 delta-BHC	6.159	6.157	0.002	322005	0.02222	0.02222(a)
17 Aldrin	6.274	6.271	0.003	336491	0.02109	0.02109(a)
21 Heptachlor epoxide	6.706	6.702	0.004	238722	0.02065	0.02065(a)
24 gamma-Chlordane	6.922	6.921	0.001	212775	0.02023	0.02023(a)
25 alpha-Chlordane	6.981	6.979	0.002	207049	0.02038	0.02038(a)
26 Endosulfan I	7.047	7.046	0.001	181005	0.02075	0.02075(a)
27 4,4'-DDE	7.114	7.112	0.002	220446	0.01977	0.01977(a)
28 Dieldrin	7.285	7.283	0.002	190188	0.02047	0.02047(a)
31 Toxaphene	Compound Not Detected.					
29 Endrin	7.544	7.543	0.001	155147	0.02137	0.02137(a)
30 4,4'-DDD	7.616	7.615	0.001	173917	0.02066	0.02066(a)
32 Endosulfan II	7.799	7.798	0.001	181129	0.02144	0.02144(a)
33 4,4'-DDT	7.852	7.851	0.001	99167	0.02014	0.02014(a)
34 Endrin aldehyde	7.960	7.959	0.001	161031	0.02084	0.02084(a)
35 Endosulfan sulfate	8.169	8.169	0.000	164593	0.02075	0.02075(a)

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000064.D
Report Date: 04-Oct-2012 10:18

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
36 Methoxychlor	8.394	8.394	0.000	53027	0.01922	0.01922(a)
38 Endrin ketone	8.753	8.752	0.001	163527	0.02005	0.02005(a)
$ 39 DCB Decachlorobiphenyl (Surr)	10.323	10.320	0.003	102092	0.01617	0.01617(R)

QC Flag Legend

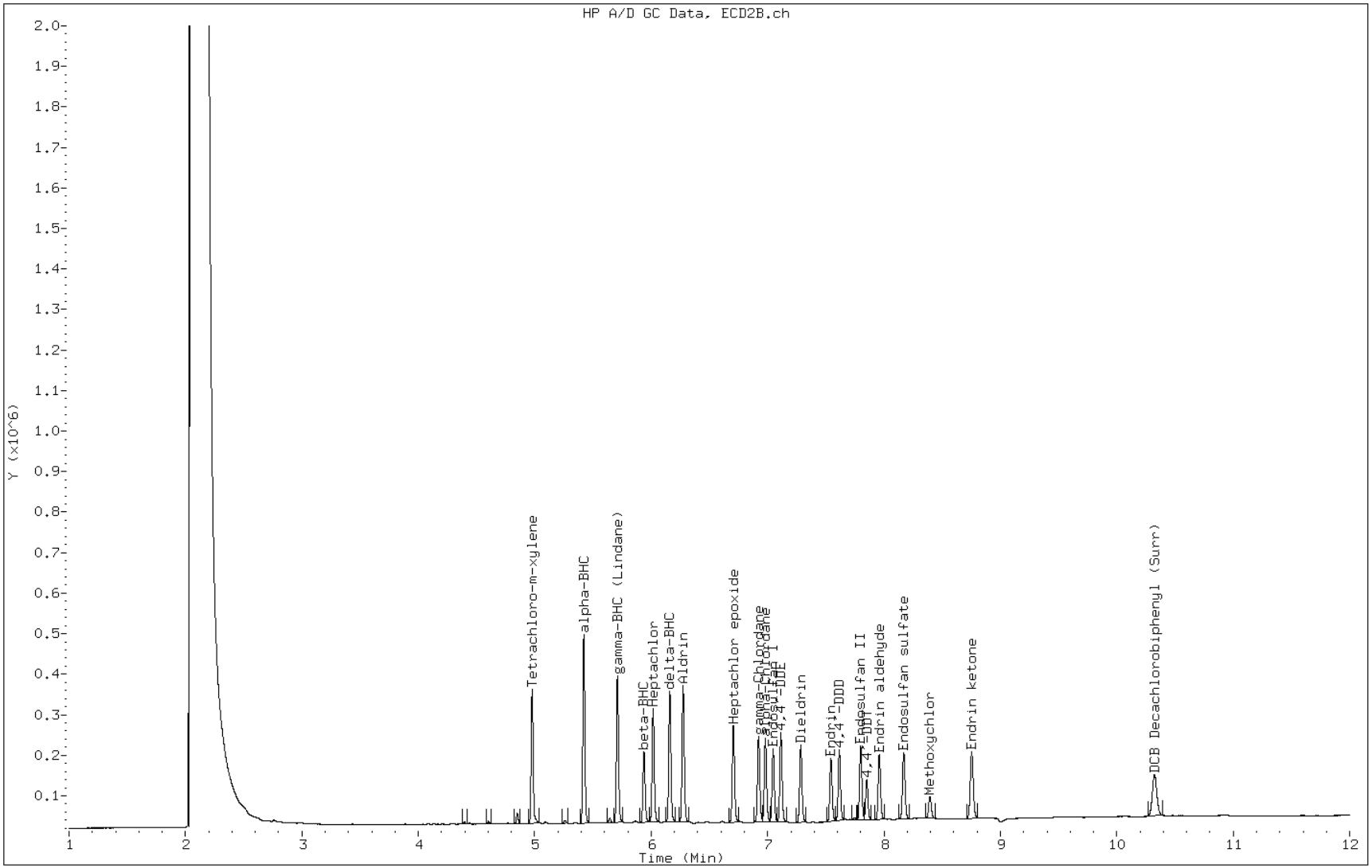
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: R10120000064.D

Date: 03-OCT-2012 21:02

Client ID: Instrument: gc15.i

Sample Info: lcs 180-50153/2-a,2012.b Operator: 402331



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 180-50153/3-A
Matrix: Water
Lab File ID: Q10120000065.D
Analysis Method: 8081A
Date Collected:
Extraction Method: 3510C
Date Extracted: 09/28/2012 13:45
Sample wt/vol: 1000(mL)
Date Analyzed: 10/03/2012 21:17
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: MR-1 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 50786
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	0.0220		0.0013	0.00083
319-84-6	alpha-BHC	0.0220		0.0013	0.00066
319-85-7	beta-BHC	0.0213		0.0013	0.0010
319-86-8	delta-BHC	0.0219		0.0013	0.00038
58-89-9	gamma-BHC (Lindane)	0.0214		0.0013	0.00080
5103-71-9	alpha-Chlordane	0.0215		0.0013	0.00098
5103-74-2	gamma-Chlordane	0.0215		0.0013	0.00096
72-54-8	4,4'-DDD	0.0212		0.0013	0.00067
72-55-9	4,4'-DDE	0.0210		0.0013	0.00079
50-29-3	4,4'-DDT	0.0199		0.0013	0.00074
60-57-1	Dieldrin	0.0222		0.0013	0.00082
959-98-8	Endosulfan I	0.0222		0.0013	0.00094
33213-65-9	Endosulfan II	0.0226		0.0013	0.00098
1031-07-8	Endosulfan sulfate	0.0206		0.0013	0.00057
72-20-8	Endrin	0.0232		0.0013	0.00096
7421-93-4	Endrin aldehyde	0.0215		0.0013	0.00090
53494-70-5	Endrin ketone	0.0204		0.0013	0.00092
76-44-8	Heptachlor	0.0209		0.0013	0.00099
1024-57-3	Heptachlor epoxide	0.0223		0.0013	0.00097
72-43-5	Methoxychlor	0.0194		0.0025	0.00091
8001-35-2	Toxaphene	ND		0.10	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	79		60-111
2051-24-3	DCB Decachlorobiphenyl (Surr)	77		56-122

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000065.D
Report Date: 04-Oct-2012 08:13

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000065.D
Lab Smp Id: lcsd 180-50153/3-a
Inj Date : 03-OCT-2012 21:17
Operator : 402331 Inst ID: gc15.i
Smp Info : lcsd 180-50153/3-a,2012.b
Misc Info :
Comment : 8081 analysis
Method : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\TPESTA1.m
Meth Date : 04-Oct-2012 08:13 oravecj Quant Type: ESTD
Cal Date : 03-OCT-2012 14:10 Cal File: Q10120000038.D
Als bottle: 25
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEST.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.353	4.354	-0.001	646488	0.01584	0.01584(a)
6 alpha-BHC	4.702	4.703	-0.001	982908	0.02197	0.02197(a)
7 gamma-BHC (Lindane)	4.956	4.956	0.000	764252	0.02137	0.02137(a)
8 beta-BHC	5.117	5.117	0.000	333943	0.02130	0.02130(a)
9 Chlordane	Compound Not Detected.					
11 delta-BHC	5.304	5.304	0.000	644918	0.02195	0.02195(a)
12 Heptachlor	5.414	5.414	0.000	598320	0.02086	0.02086(a)
17 Aldrin	5.684	5.684	0.000	793184	0.02195	0.02195(a)
20 Heptachlor epoxide	6.034	6.035	-0.001	659088	0.02225	0.02225(a)
24 gamma-Chlordane	6.249	6.251	-0.002	654887	0.02146	0.02146(a)
25 alpha-Chlordane	6.315	6.317	-0.002	635856	0.02151	0.02151(a)
26 Endosulfan I	6.354	6.355	-0.001	582177	0.02224	0.02224(a)
27 4,4'-DDE	6.478	6.479	-0.001	645769	0.02105	0.02105(a)
28 Dieldrin	6.589	6.590	-0.001	648489	0.02220	0.02220(a)
29 Toxaphene	Compound Not Detected.					
30 Endrin	6.784	6.785	-0.001	546851	0.02319	0.02319(a)
31 4,4'-DDD	6.927	6.928	-0.001	448142	0.02118	0.02118(a)
32 Endosulfan II	6.979	6.981	-0.002	491878	0.02256	0.02256(a)
33 Endrin aldehyde	7.094	7.097	-0.003	390344	0.02152	0.02152(a)
34 4,4'-DDT	7.202	7.204	-0.002	231366	0.01989	0.01989(a)
35 Endosulfan sulfate	7.303	7.305	-0.002	377708	0.02064	0.02064(a)

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\Q10120000065.D
Report Date: 04-Oct-2012 08:13

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
36 Methoxychlor	7.644	7.646	-0.002	113906	0.01937	0.01937(a)
37 Endrin ketone	7.729	7.730	-0.001	422458	0.02041	0.02041(a)
$ 39 DCB Decachlorobiphenyl (Surr)	9.205	9.207	-0.002	207564	0.01534	0.01534(aR)

QC Flag Legend

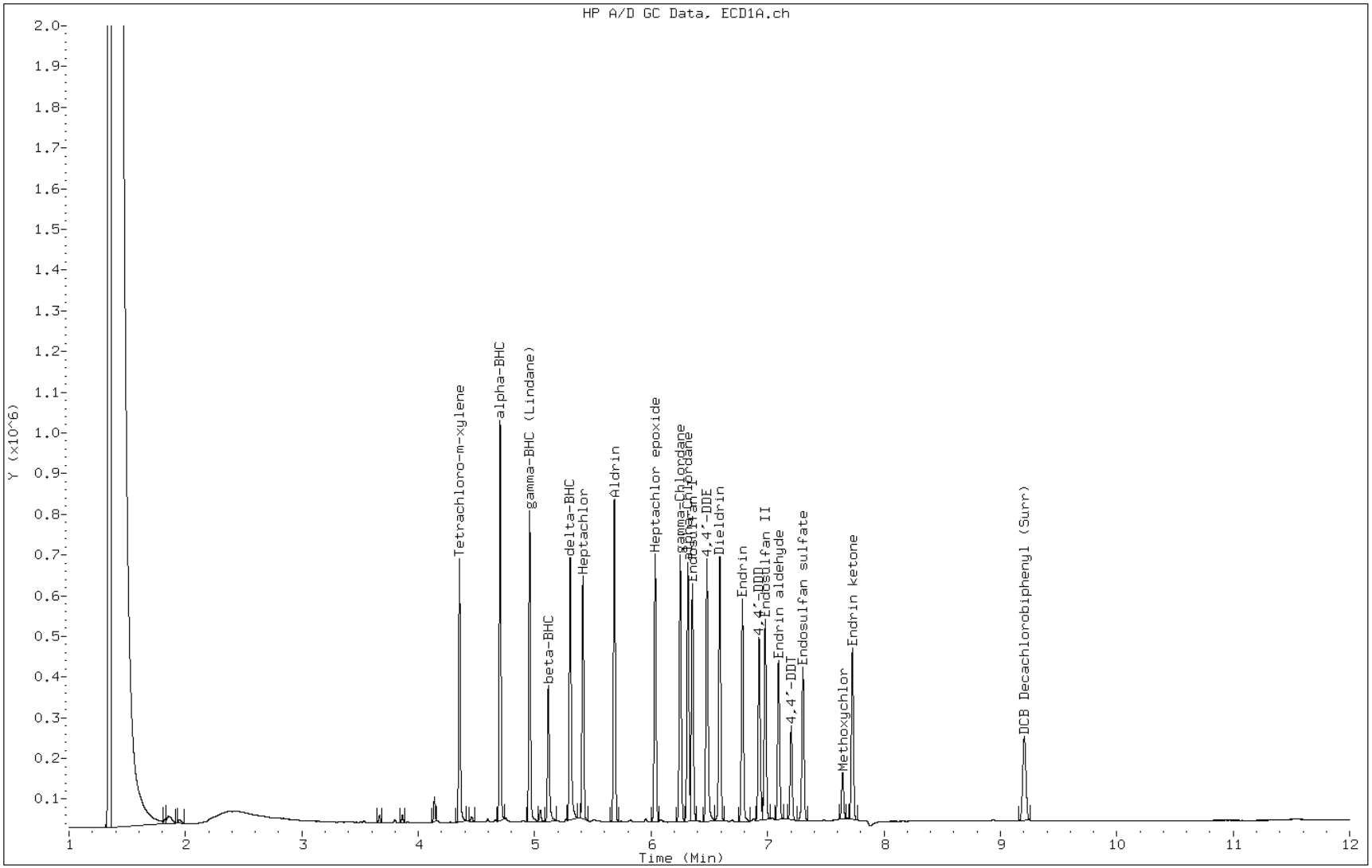
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: Q10120000065.D

Date: 03-OCT-2012 21:17

Client ID: Instrument: gc15.i

Sample Info: lcsd 180-50153/3-a,2012.b Operator: 402331



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 180-50153/3-A
Matrix: Water
Lab File ID: R10120000065.D
Analysis Method: 8081A
Date Collected:
Extraction Method: 3510C
Date Extracted: 09/28/2012 13:45
Sample wt/vol: 1000(mL)
Date Analyzed: 10/03/2012 21:17
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: MR-2 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 50786
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	81		60-111
2051-24-3	DCB Decachlorobiphenyl (Surr)	79		56-122

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000065.D
Report Date: 04-Oct-2012 10:18

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000065.D
Lab Smp Id: lcsd 180-50153/3-a
Inj Date : 03-OCT-2012 21:17
Operator : 402331 Inst ID: gc15.i
Smp Info : lcsd 180-50153/3-a,2012.b
Misc Info :
Comment : 8081 Analysis
Method : \\PITSVR06\D\chem\gc15.i\1003128081AC.b\TPESTB2.m
Meth Date : 04-Oct-2012 10:18 oravecj Quant Type: ESTD
Cal Date : 03-OCT-2012 14:10 Cal File: R10120000038.D
Als bottle: 25
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEST.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.973	4.974	-0.001	323444	0.01628	0.01628(a)
6 alpha-BHC	5.417	5.418	-0.001	464594	0.02239	0.02239(a)
7 gamma-BHC (Lindane)	5.705	5.707	-0.002	356273	0.02130	0.02130(a)
8 Chlordane	Compound Not Detected.					
10 beta-BHC	5.933	5.935	-0.002	174796	0.02104	0.02104(a)
11 Heptachlor	6.012	6.013	-0.001	270358	0.02124	0.02124(a)
13 delta-BHC	6.155	6.157	-0.002	325884	0.02249	0.02249(a)
17 Aldrin	6.269	6.271	-0.002	343209	0.02151	0.02151(a)
21 Heptachlor epoxide	6.701	6.702	-0.001	247266	0.02139	0.02139(a)
24 gamma-Chlordane	6.919	6.921	-0.002	221129	0.02102	0.02102(a)
25 alpha-Chlordane	6.977	6.979	-0.002	213028	0.02097	0.02097(a)
26 Endosulfan I	7.045	7.046	-0.001	188342	0.02159	0.02159(a)
27 4,4'-DDE	7.111	7.112	-0.001	224825	0.02016	0.02016(a)
28 Dieldrin	7.281	7.283	-0.002	198878	0.02140	0.02140(a)
31 Toxaphene	Compound Not Detected.					
29 Endrin	7.541	7.543	-0.002	159674	0.02199	0.02199(a)
30 4,4'-DDD	7.614	7.615	-0.001	177721	0.02111	0.02111(a)
32 Endosulfan II	7.797	7.798	-0.001	183485	0.02172	0.02172(a)
33 4,4'-DDT	7.850	7.851	-0.001	94664	0.01943	0.01943(a)
34 Endrin aldehyde	7.957	7.959	-0.002	165478	0.02142	0.02142(a)
35 Endosulfan sulfate	8.168	8.169	-0.001	170805	0.02153	0.02153(a)

Data File: \\PITSVR06\D\chem\gc15.i\1003128081AC.b\R10120000065.D
Report Date: 04-Oct-2012 10:18

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
36 Methoxychlor	8.392	8.394	-0.002	51385	0.01863	0.01863(a)
38 Endrin ketone	8.751	8.752	-0.001	167659	0.02056	0.02056(a)
$ 39 DCB Decachlorobiphenyl (Surr)	10.323	10.320	0.003	99130	0.01570	0.01570(R)

QC Flag Legend

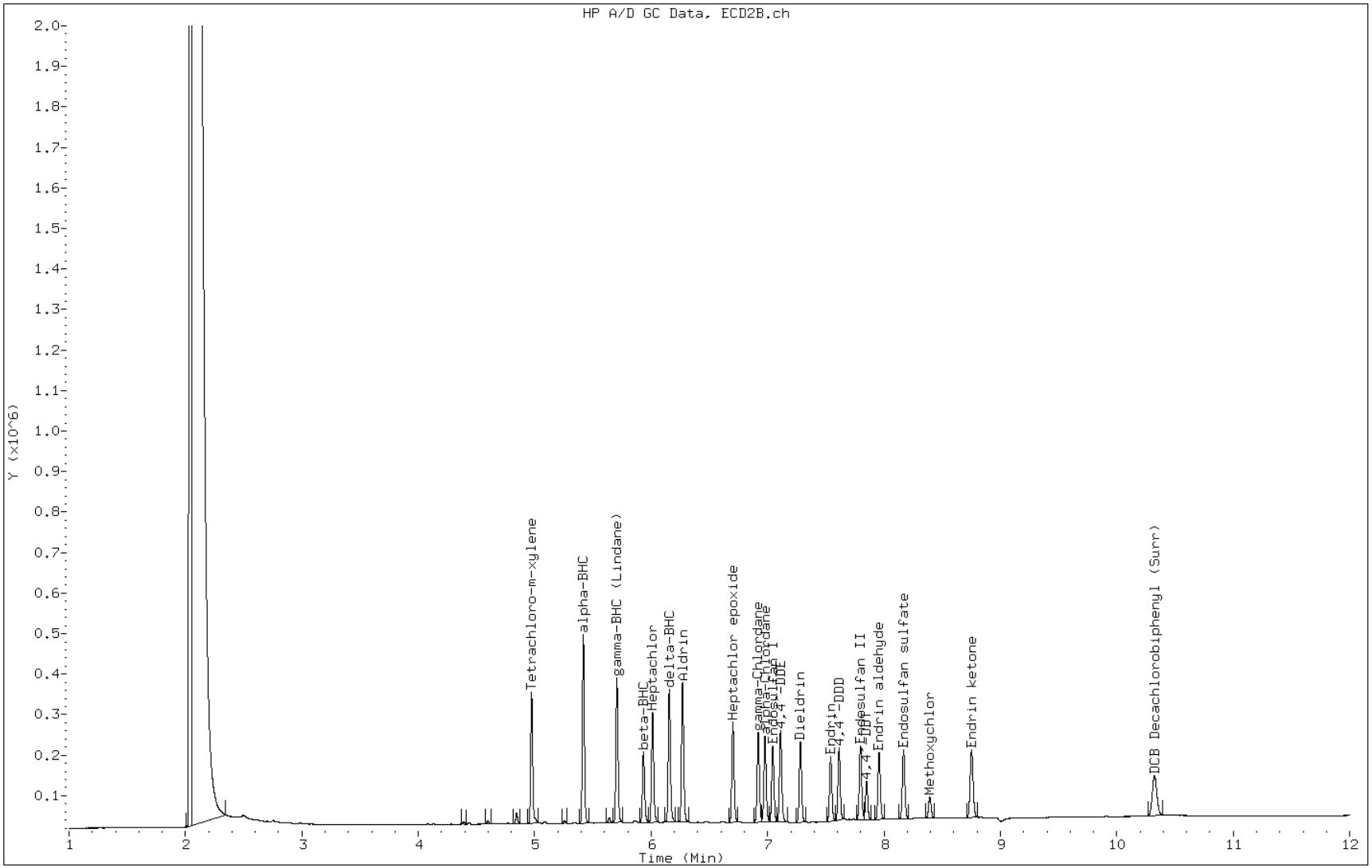
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: R10120000065.D

Date: 03-OCT-2012 21:17

Client ID: Instrument: gc15.i

Sample Info: lcsd 180-50153/3-a,2012.b Operator: 402331



GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Instrument ID: GC15 Start Date: 10/03/2012 12:05

Analysis Batch Number: 50786 End Date: 10/04/2012 01:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 180-50786/1		10/03/2012 12:05	1	Q10120000030.D	MR-1 0.53(mm)
PEM 180-50786/1		10/03/2012 12:05	1	R10120000030.D	MR-2 0.53(mm)
IC 180-50786/2		10/03/2012 12:20	1	Q10120000031.D	MR-1 0.53(mm)
IC 180-50786/2		10/03/2012 12:20	1	R10120000031.D	MR-2 0.53(mm)
IC 180-50786/3		10/03/2012 12:36	1		MR-1 0.53(mm)
IC 180-50786/3		10/03/2012 12:36	1		MR-2 0.53(mm)
IC 180-50786/4		10/03/2012 12:52	1	Q10120000033.D	MR-1 0.53(mm)
IC 180-50786/4		10/03/2012 12:52	1	R10120000033.D	MR-2 0.53(mm)
IC 180-50786/5		10/03/2012 13:07	1	Q10120000034.D	MR-1 0.53(mm)
IC 180-50786/5		10/03/2012 13:07	1	R10120000034.D	MR-2 0.53(mm)
ICRT 180-50786/6		10/03/2012 13:23	1	Q10120000035.D	MR-1 0.53(mm)
ICRT 180-50786/6		10/03/2012 13:23	1	R10120000035.D	MR-2 0.53(mm)
IC 180-50786/7		10/03/2012 13:38	1	Q10120000036.D	MR-1 0.53(mm)
IC 180-50786/7		10/03/2012 13:38	1	R10120000036.D	MR-2 0.53(mm)
IC 180-50786/8		10/03/2012 13:54	1	Q10120000037.D	MR-1 0.53(mm)
IC 180-50786/8		10/03/2012 13:54	1	R10120000037.D	MR-2 0.53(mm)
IC 180-50786/9		10/03/2012 14:10	1	Q10120000038.D	MR-1 0.53(mm)
IC 180-50786/9		10/03/2012 14:10	1	R10120000038.D	MR-2 0.53(mm)
ICV 180-50786/10		10/03/2012 14:25	1	Q10120000039.D	MR-1 0.53(mm)
ICV 180-50786/10		10/03/2012 14:25	1	R10120000039.D	MR-2 0.53(mm)
PEM 180-50786/11		10/03/2012 14:41	1		MR-1 0.53(mm)
PEM 180-50786/11		10/03/2012 14:41	1		MR-2 0.53(mm)
ZZZZZ		10/03/2012 14:56	1		MR-1 0.53(mm)
ZZZZZ		10/03/2012 14:56	1		MR-2 0.53(mm)
ZZZZZ		10/03/2012 15:12	1		MR-1 0.53(mm)
ZZZZZ		10/03/2012 15:12	1		MR-2 0.53(mm)
ZZZZZ		10/03/2012 15:27	1		MR-1 0.53(mm)
ZZZZZ		10/03/2012 15:27	1		MR-2 0.53(mm)
ZZZZZ		10/03/2012 15:43	1		MR-1 0.53(mm)
ZZZZZ		10/03/2012 15:43	1		MR-2 0.53(mm)
ZZZZZ		10/03/2012 15:58	1		MR-1 0.53(mm)
ZZZZZ		10/03/2012 15:58	1		MR-2 0.53(mm)
ZZZZZ		10/03/2012 16:14	1		MR-1 0.53(mm)
ZZZZZ		10/03/2012 16:14	1		MR-2 0.53(mm)
ZZZZZ		10/03/2012 19:27	1		MR-1 0.53(mm)
ZZZZZ		10/03/2012 19:27	1		MR-2 0.53(mm)
PEM 180-50786/19		10/03/2012 19:42	1	Q10120000059.D	MR-1 0.53(mm)
PEM 180-50786/19		10/03/2012 19:42	1	R10120000059.D	MR-2 0.53(mm)
CCV 180-50786/20		10/03/2012 19:58	1	Q10120000060.D	MR-1 0.53(mm)
CCV 180-50786/20		10/03/2012 19:58	1	R10120000060.D	MR-2 0.53(mm)
180-14634-9	MW-110	10/03/2012 20:14	1	Q10120000061.D	MR-1 0.53(mm)
180-14634-9	MW-110	10/03/2012 20:14	1	R10120000061.D	MR-2 0.53(mm)
ZZZZZ		10/03/2012 20:30	1		MR-1 0.53(mm)
ZZZZZ		10/03/2012 20:30	1		MR-2 0.53(mm)
MB 180-50153/1-A		10/03/2012 20:46	1	Q10120000063.D	MR-1 0.53(mm)

8081A

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Instrument ID: GC15 Start Date: 10/03/2012 12:05

Analysis Batch Number: 50786 End Date: 10/04/2012 01:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
MB 180-50153/1-A		10/03/2012 20:46	1	R10120000063.D	MR-2 0.53(mm)
LCS 180-50153/2-A		10/03/2012 21:02	1	Q10120000064.D	MR-1 0.53(mm)
LCS 180-50153/2-A		10/03/2012 21:02	1	R10120000064.D	MR-2 0.53(mm)
LCSD 180-50153/3-A		10/03/2012 21:17	1	Q10120000065.D	MR-1 0.53(mm)
LCSD 180-50153/3-A		10/03/2012 21:17	1	R10120000065.D	MR-2 0.53(mm)
ZZZZZ		10/03/2012 21:33	10		MR-1 0.53(mm)
ZZZZZ		10/03/2012 21:33	10		MR-2 0.53(mm)
ZZZZZ		10/03/2012 21:49	10		MR-1 0.53(mm)
ZZZZZ		10/03/2012 21:49	10		MR-2 0.53(mm)
ZZZZZ		10/03/2012 22:04	10		MR-1 0.53(mm)
ZZZZZ		10/03/2012 22:04	10		MR-2 0.53(mm)
ZZZZZ		10/03/2012 22:20	10		MR-1 0.53(mm)
ZZZZZ		10/03/2012 22:20	10		MR-2 0.53(mm)
ZZZZZ		10/03/2012 22:36	10		MR-1 0.53(mm)
ZZZZZ		10/03/2012 22:36	10		MR-2 0.53(mm)
ZZZZZ		10/03/2012 22:51	10		MR-1 0.53(mm)
ZZZZZ		10/03/2012 22:51	10		MR-2 0.53(mm)
ZZZZZ		10/03/2012 23:07	10		MR-1 0.53(mm)
ZZZZZ		10/03/2012 23:07	10		MR-2 0.53(mm)
ZZZZZ		10/03/2012 23:23	10		MR-1 0.53(mm)
ZZZZZ		10/03/2012 23:23	10		MR-2 0.53(mm)
ZZZZZ		10/03/2012 23:39	10		MR-1 0.53(mm)
ZZZZZ		10/03/2012 23:39	10		MR-2 0.53(mm)
ZZZZZ		10/03/2012 23:55	10		MR-1 0.53(mm)
ZZZZZ		10/03/2012 23:55	10		MR-2 0.53(mm)
ZZZZZ		10/04/2012 00:10	10		MR-1 0.53(mm)
ZZZZZ		10/04/2012 00:10	10		MR-2 0.53(mm)
ZZZZZ		10/04/2012 00:26	10		MR-1 0.53(mm)
ZZZZZ		10/04/2012 00:26	10		MR-2 0.53(mm)
ZZZZZ		10/04/2012 00:41	1		MR-1 0.53(mm)
ZZZZZ		10/04/2012 00:41	1		MR-2 0.53(mm)
ZZZZZ		10/04/2012 00:57	1		MR-1 0.53(mm)
ZZZZZ		10/04/2012 00:57	1		MR-2 0.53(mm)
ZZZZZ		10/04/2012 01:13	1		MR-1 0.53(mm)
ZZZZZ		10/04/2012 01:13	1		MR-2 0.53(mm)
CCV 180-50786/41		10/04/2012 01:44	1	Q10120000082.D	MR-1 0.53(mm)
CCV 180-50786/41		10/04/2012 01:44	1	R10120000082.D	MR-2 0.53(mm)

8081A

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Batch Number: 50153 Batch Start Date: 09/28/12 13:45 Batch Analyst: Yushinski, Charles

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	op-p/pcb sur 00006	OPPESTMATRIX 00006	
MB 180-50153/1		3510C, 8081A		6	1000 mL	1.0 mL	25 uL		
LCS 180-50153/2		3510C, 8081A		6	1000 mL	1.0 mL	25 uL	25 uL	
LCSD 180-50153/3		3510C, 8081A		6	1000 mL	1.0 mL	25 uL	25 uL	
180-14634-B-9	MW-110	3510C, 8081A	T	7	1050 mL	1.0 mL	25 uL		

Batch Notes	
Exchange Solvent Lot #	574686
Exchange Solvent Name	Hexane
N-evap #	1
N-evap temperature	21 Celsius
Na2SO4 Lot Number	578465
Oven, Bath or Block Temperature 1	79 Celsius
Prep Solvent Lot #	553670
Prep Solvent Name	Methylene chloride
Prep Solvent Volume Used	180 mL
Person's name who did the prep	CBY
Sufficient volume for MS/MSD?	no
Uncorrected N-evap Temperature	21 Celsius
Uncorrected Temperature	79 Celsius

Basis	Basis Description
T	Total/NA

Method 8082 Low Level

Polychlorinated Biphenyls (PCBs) (GC) by Method 8082 Low Level

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Matrix: Water Level: Low

GC Column (2): RTX-1701 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TCX2 #	DCB2 #
MW-110	180-14634-9	92	87
	MB 180-50153/1-A	77	74
	LCS 180-50153/4-A	82	80
	LCSD 180-50153/5-A	88	83

	QC LIMITS
TCX = Tetrachloro-m-xylene	47-150
DCB = DCB Decachlorobiphenyl (Surr)	50-140

Column to be used to flag recovery values

FORM II 8082

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Matrix: Water Level: Low Lab File ID: T0921094.D

Lab ID: LCS 180-50153/4-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
PCB-1016	1.00	0.765	77	60-110	
PCB-1260	1.00	0.765	77	60-111	

Column to be used to flag recovery and RPD values

FORM III 8082

FORM III
PCBS LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Matrix: Water Level: Low Lab File ID: T0921095.D

Lab ID: LCSD 180-50153/5-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
PCB-1016	1.00	0.820	82	7	27	60-110	
PCB-1260	1.00	0.824	82	7	24	60-111	

Column to be used to flag recovery and RPD values

FORM III 8082

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: MB 180-50153/1-A

Matrix: Water Date Extracted: 09/28/2012 13:45

Lab File ID:(1) Lab File ID:(2) T0921093.D

Date Analyzed:(1) Date Analyzed:(2) 10/02/2012 04:47

Instrument ID:(1) Instrument ID:(2) GC10

GC Column:(1) ID: GC Column:(2) RTX-1701 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
MW-110	180-14634-9		10/02/2012 02:55
	LCS 180-50153/4-A		10/02/2012 05:15
	LCSD 180-50153/5-A		10/02/2012 05:43

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Sample No.: CCVRT 180-50487/8 Date Analyzed: 10/01/2012 22:15

Instrument ID: GC10 GC Column: RTX-1701 ID: 0.53(mm)

Lab File ID (Standard): T0921079.D Heated Purge: (Y/N) N

Calibration ID: 6664

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				4.68	16.33	
UPPER LIMIT				4.73	16.38	
LOWER LIMIT				4.63	16.28	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 180-50487/8		10/01/2012 22:15	T0921079.D	4.68	16.33	
180-14634-9	MW-110	10/02/2012 02:55	T0921089.D	4.68	16.33	
MB 180-50153/1-A		10/02/2012 04:47	T0921093.D	4.68	16.33	
LCS 180-50153/4-A		10/02/2012 05:15	T0921094.D	4.68	16.33	
LCSD 180-50153/5-A		10/02/2012 05:43	T0921095.D	4.68	16.33	
CCV 180-50487/25		10/02/2012 06:11	T0921096.D	4.68	16.33	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl (Surr)

TCX RT Limit = ± 0.05 minutes of surrogate RT
DCB RT Limit = ± 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8082

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 180-50153/4-A

Instrument ID (1): Instrument ID (2): GC10

Date Analyzed (1): Date Analyzed (2): 10/02/2012 05:15

GC Column (1): ID: GC Column (2): RTX-1701 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		
				FROM	TO	PEAK	MEAN	
PCB-1016	2	1	5.61	5.56	5.66	0.769	0.765	
		2	6.32	6.27	6.37	0.758		
		3	7.04	6.99	7.09	0.768		
		4	7.24	7.19	7.29	0.764		
		5	7.38	7.33	7.43	0.768		
PCB-1260	2	1	9.36	9.31	9.41	0.769	0.765	
		2	9.68	9.63	9.73	0.761		
		3	9.97	9.92	10.02	0.761		
		4	10.27	10.22	10.32	0.767		
		5	11.57	11.52	11.62	0.767		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 180-50153/5-A

Instrument ID (1): Instrument ID (2): GC10

Date Analyzed (1): Date Analyzed (2): 10/02/2012 05:43

GC Column (1): ID: GC Column (2): RTX-1701 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		
				FROM	TO	PEAK	MEAN	
PCB-1016	2	1	5.61	5.56	5.66	0.828	0.820	
		2	6.32	6.27	6.37	0.813		
		3	7.04	6.99	7.09	0.835		
		4	7.24	7.19	7.29	0.814		
		5	7.38	7.33	7.43	0.809		
PCB-1260	2	1	9.36	9.31	9.41	0.830	0.824	
		2	9.68	9.63	9.73	0.826		
		3	9.97	9.92	10.02	0.816		
		4	10.27	10.22	10.32	0.821		
		5	11.57	11.52	11.62	0.828		

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG No.:
Client Sample ID: MW-110
Lab Sample ID: 180-14634-9
Matrix: Water
Lab File ID: T0921089.D
Analysis Method: 8082
Date Collected: 09/19/2012 13:00
Extraction Method: 3510C
Date Extracted: 09/28/2012 13:45
Sample wt/vol: 1050(mL)
Date Analyzed: 10/02/2012 02:55
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-1701 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 50487
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND	H	0.0095	0.0024
11104-28-2	PCB-1221	ND	H	0.0095	0.0024
11141-16-5	PCB-1232	ND	H	0.0095	0.0028
53469-21-9	PCB-1242	ND	H	0.0095	0.0018
12672-29-6	PCB-1248	ND	H	0.0095	0.0022
11097-69-1	PCB-1254	ND	H	0.0095	0.0022
11096-82-5	PCB-1260	ND	H	0.0095	0.0013

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	87		50-140
877-09-8	Tetrachloro-m-xylene	92		47-150

Data File: \\pitsvr06\d\chem\gc10.i\10012B8082LL.b\T0921089.D
Report Date: 02-Oct-2012 08:08

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\10012B8082LL.b\T0921089.D
Lab Smp Id: 180-14634-B-9-A
Inj Date : 02-OCT-2012 02:55
Operator : 402360 Inst ID: gc10.i
Smp Info : 10012A8082LL.b
Misc Info : 180-14634-B-9-A
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\10012B8082LL.b\PCBB_LL.m
Meth Date : 02-Oct-2012 08:01 gc10.i Quant Type: ESTD
Cal Date : 05-SEP-2012 02:13 Cal File: T0920027.D
Als bottle: 43
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PCB.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene						CAS #: 877-09-8	
4.681	4.685	-0.004	216009	0.01847	0.73878		
$ 11 DCB Decachlorobiphenyl (Surr)						CAS #: 2051-24-3	
16.331	16.345	-0.014	69304	0.01735	0.69408		
1 Aroclor-1221						CAS #: 11104-28-2	

Operator disabled compound identification.

4 Aroclor-1016						CAS #: 12674-11-2	

Peaks not detected for Quant. or Qual. signal(s).

Data File: \\pitsvr06\d\chem\gc10.i\10012B8082LL.b\T0921089.D
Report Date: 02-Oct-2012 08:08

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO

3 Aroclor-1232 CAS #: 11141-16-5

Operator disabled compound identification.

---

6 Aroclor-1248 CAS #: 12672-29-6

Operator disabled compound identification.

---

5 Aroclor-1242 CAS #: 53469-21-9

Operator disabled compound identification.

---

7 Aroclor-1254 CAS #: 11097-69-1

Operator disabled compound identification.

---

9 Aroclor-1262 CAS #: 37324-23-5

Peaks not detected for Quant. or Qual. signal(s).

---

8 Aroclor-1260 CAS #: 11096-82-5

Peaks not detected for Quant. or Qual. signal(s).

---

10 Aroclor-1268 CAS #: 11100-14-4

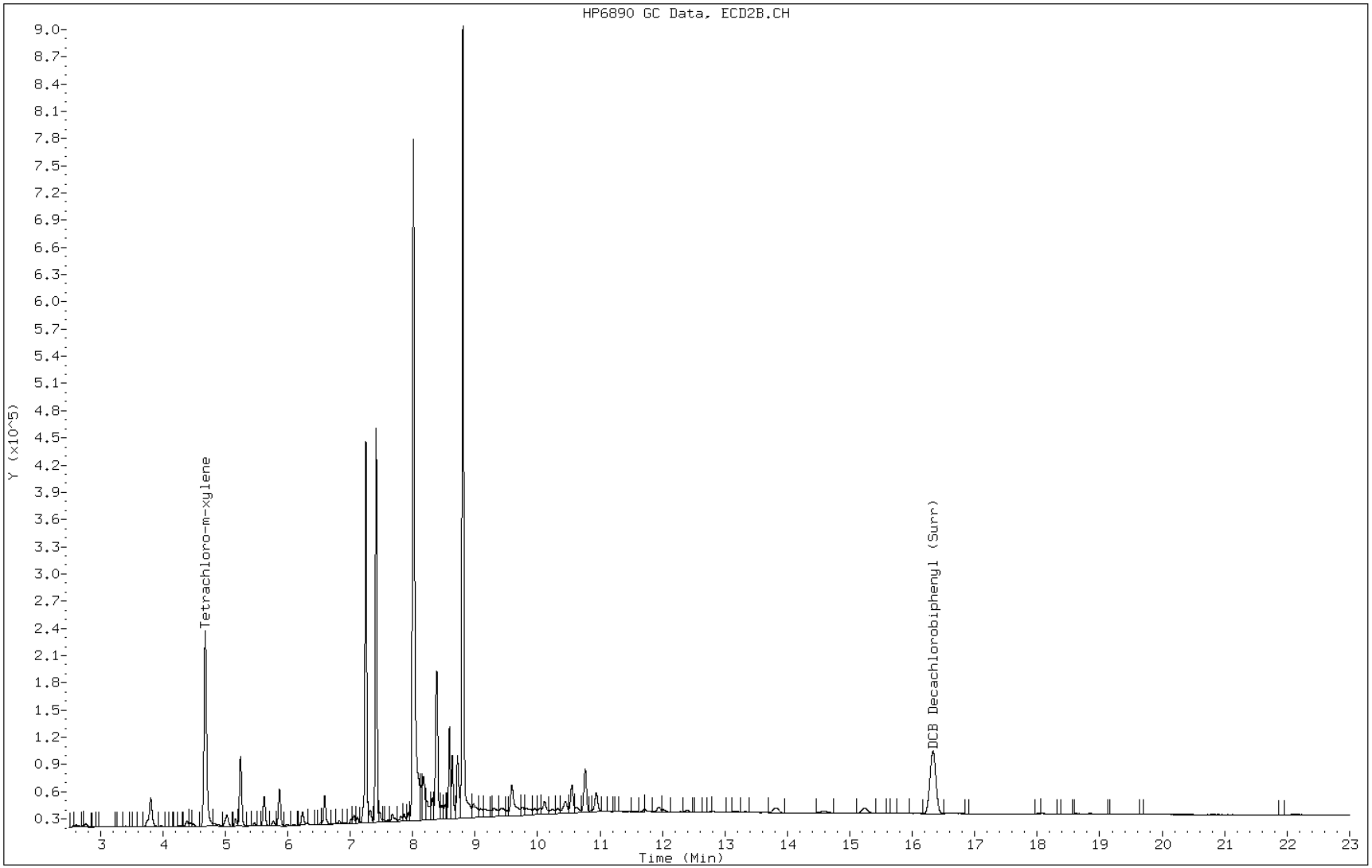
Peaks not detected for Quant. or Qual. signal(s).

Data File: T0921089.D

Date: 02-OCT-2012 02:55

Client ID: Instrument: gc10.i

Sample Info: 10012A8082LL.b Operator: 402360



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 48486

SDG No.:

Instrument ID: GC10 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/04/2012 14:58 Calibration End Date: 09/04/2012 16:51 Calibration ID: 6658

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-48486/1	T0920003.D
Level 2	IC 180-48486/2	T0920004.D
Level 3	IC 180-48486/3	T0920005.D
Level 4	IC 180-48486/4	T0920006.D
Level 5	IC 180-48486/5	T0920007.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1221 Peak 1	5.288	5.285	5.287	5.287	5.286						5.237 - 5.337	5.286
PCB-1221 Peak 2	5.567	5.566	5.567	5.568	5.567						5.517 - 5.617	5.567
PCB-1221 Peak 3	5.673	5.672	5.673	5.674	5.674						5.623 - 5.723	5.673
PCB-1254 Peak 1	8.410	8.407	8.407	8.408	8.407						8.337 - 8.477	8.408
PCB-1254 Peak 2	9.058	9.055	9.055	9.058	9.057						8.985 - 9.125	9.057
PCB-1254 Peak 3	9.212	9.210	9.209	9.212	9.211						9.139 - 9.279	9.211
PCB-1254 Peak 4	9.555	9.551	9.551	9.553	9.553						9.481 - 9.621	9.553
PCB-1254 Peak 5	10.113	10.111	10.111	10.113	10.113						10.041 - 10.181	10.112

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 48486

SDG No.:

Instrument ID: GC10 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/04/2012 14:58 Calibration End Date: 09/04/2012 16:51 Calibration ID: 6658

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-48486/1	T0920003.D
Level 2	IC 180-48486/2	T0920004.D
Level 3	IC 180-48486/3	T0920005.D
Level 4	IC 180-48486/4	T0920006.D
Level 5	IC 180-48486/5	T0920007.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
PCB-1221 Peak 1	134700 109866	130020	119904	116632	Ave		122224.400				8.2		20.0			
PCB-1221 Peak 2	86700 72302	85620	80440	78036	Ave		80619.6000				7.3		20.0			
PCB-1221 Peak 3	308700 239063	279620	259016	253270	Ave		267933.800				10.1		20.0			
PCB-1254 Peak 1	819300 580351	645860	594500	604280	Ave		648858.200				15.2		20.0			
PCB-1254 Peak 2	535700 449216	501270	457964	463066	Ave		481443.200				7.5		20.0			
PCB-1254 Peak 3	1045800 868179	909500	864164	891602	Ave		915849.000				8.2		20.0			
PCB-1254 Peak 4	655300 551666	604640	556240	575472	Ave		588663.600				7.3		20.0			
PCB-1254 Peak 5	366100 324636	357360	325184	331580	Ave		340972.000				5.7		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 48486

SDG No.:

Instrument ID: GC10 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/04/2012 14:58 Calibration End Date: 09/04/2012 16:51 Calibration ID: 6658

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-48486/1	T0920003.D
Level 2	IC 180-48486/2	T0920004.D
Level 3	IC 180-48486/3	T0920005.D
Level 4	IC 180-48486/4	T0920006.D
Level 5	IC 180-48486/5	T0920007.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1221 Peak 1	Ave	1347	13002	29976	58316	109866	0.0100	0.100	0.250	0.500	1.00
PCB-1221 Peak 2	Ave	867	8562	20110	39018	72302	0.0100	0.100	0.250	0.500	1.00
PCB-1221 Peak 3	Ave	3087	27962	64754	126635	239063	0.0100	0.100	0.250	0.500	1.00
PCB-1254 Peak 1	Ave	8193	64586	148625	302140	580351	0.0100	0.100	0.250	0.500	1.00
PCB-1254 Peak 2	Ave	5357	50127	114491	231533	449216	0.0100	0.100	0.250	0.500	1.00
PCB-1254 Peak 3	Ave	10458	90950	216041	445801	868179	0.0100	0.100	0.250	0.500	1.00
PCB-1254 Peak 4	Ave	6553	60464	139060	287736	551666	0.0100	0.100	0.250	0.500	1.00
PCB-1254 Peak 5	Ave	3661	35736	81296	165790	324636	0.0100	0.100	0.250	0.500	1.00

Curve Type Legend:
Ave = Average by Height

Data File: \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920003.D
Report Date: 10-Sep-2012 10:06

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920003.D
Lab Smp Id: IC-417979
Inj Date : 04-SEP-2012 14:58
Operator : 402360 Inst ID: gc10.i
Smp Info : 09042B8082.b
Misc Info : IC-417979
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\PCBB_LL.m
Meth Date : 10-Sep-2012 10:06 gc10.i Quant Type: ESTD
Cal Date : 05-SEP-2012 02:13 Cal File: T0920027.D
Als bottle: 99 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2154.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
1 Aroclor-1221					CAS #: 11104-28-2		
5.287	5.287	0.000	1347	0.01000	0.011021	0.00- 0.00	0.00(a)
5.566	5.567	-0.001	867	0.01000	0.010754	136.57- 136.57	0.00
5.672	5.673	-0.001	3087	0.01000	0.011522	86.04- 86.04	0.00
		Average of Peak Amounts =			0.01110		
7 Aroclor-1254					CAS #: 11097-69-1		
8.410	8.407	0.003	8193	0.01000	0.012627	0.00- 0.00	0.00(a)
9.058	9.054	0.004	5357	0.01000	0.011127	112.23- 112.23	0.00
9.211	9.209	0.002	10458	0.01000	0.011419	97.40- 97.40	0.00
9.555	9.550	0.005	6553	0.01000	0.011132	71.09- 71.09	0.00
10.113	10.110	0.003	3661	0.01000	0.010737	85.01- 85.01	0.00
		Average of Peak Amounts =			0.01141		

QC Flag Legend

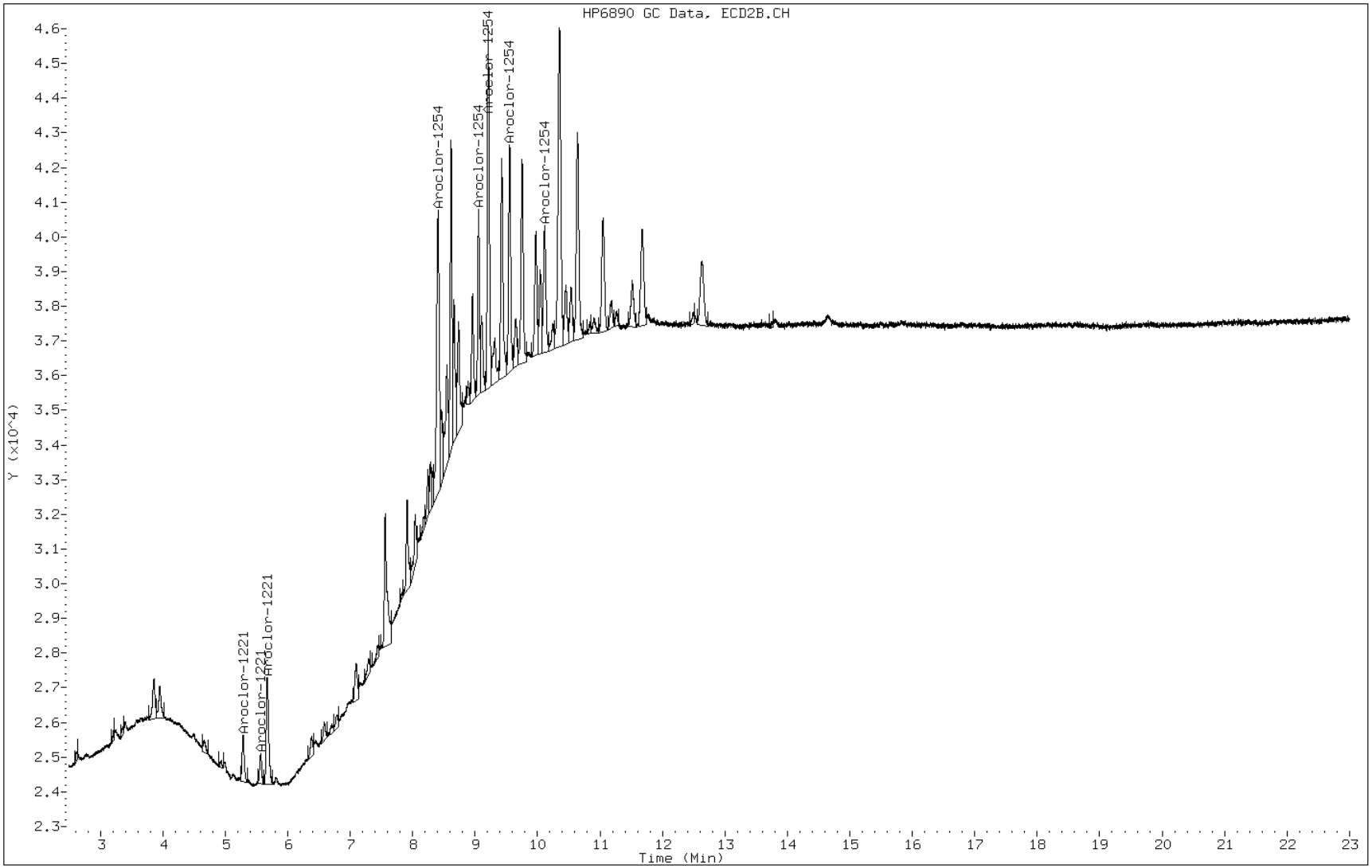
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: T0920003.D

Date: 04-SEP-2012 14:58

Client ID: Instrument: gc10.i

Sample Info: 09042B8082.b Operator: 402360



Data File: \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920004.D
Report Date: 10-Sep-2012 10:06

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920004.D
Lab Smp Id: IC-417980
Inj Date : 04-SEP-2012 15:26
Operator : 402360 Inst ID: gc10.i
Smp Info : 09042B8082.b
Misc Info : IC-417980
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\PCBB_LL.m
Meth Date : 10-Sep-2012 10:06 gc10.i Quant Type: ESTD
Cal Date : 04-SEP-2012 23:24 Cal File: T0920021.D
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2154.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
1 Aroclor-1221					CAS #: 11104-28-2		
5.285	5.287	-0.002	13002	0.10000	0.10638	0.00- 0.00	0.00(a)
5.566	5.567	-0.001	8562	0.10000	0.10620	136.57- 136.57	0.00
5.672	5.673	-0.001	27962	0.10000	0.10436	86.04- 86.04	0.00
Average of Peak Amounts =					0.10565		
7 Aroclor-1254					CAS #: 11097-69-1		
8.407	8.407	0.000	64586	0.10000	0.099538	0.00- 0.00	0.00(a)
9.055	9.054	0.001	50127	0.10000	0.10412	112.23- 112.23	0.00
9.209	9.209	0.000	90950	0.10000	0.099307	97.40- 97.40	0.00
9.551	9.550	0.001	60464	0.10000	0.10271	71.09- 71.09	0.00
10.111	10.110	0.001	35736	0.10000	0.10481	85.01- 85.01	0.00
Average of Peak Amounts =					0.10210		

QC Flag Legend

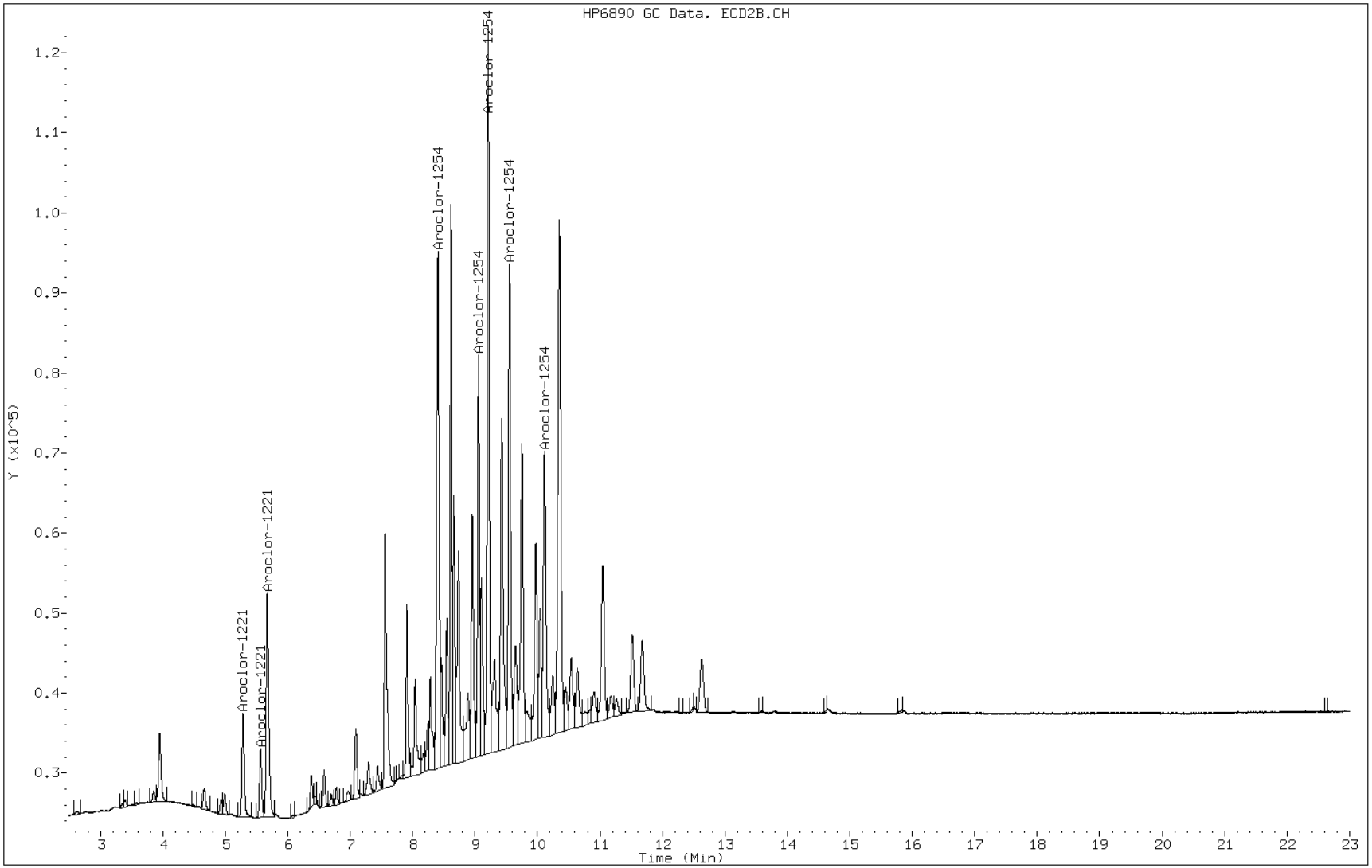
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: T0920004.D

Date: 04-SEP-2012 15:26

Client ID: Instrument: gc10.i

Sample Info: 09042B8082.b Operator: 402360



Data File: \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920005.D
Report Date: 10-Sep-2012 10:06

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920005.D
Lab Smp Id: IC- 417981
Inj Date : 04-SEP-2012 15:55
Operator : 402360 Inst ID: gc10.i
Smp Info : 09042B8082.b
Misc Info : IC- 417981
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\PCBB_LL.m
Meth Date : 10-Sep-2012 10:06 gc10.i Quant Type: ESTD
Cal Date : 04-SEP-2012 23:53 Cal File: T0920022.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2154.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
1 Aroclor-1221					CAS #: 11104-28-2		
5.286	5.287	-0.001	29976	0.25000	0.24525	0.00- 0.00	0.00(a)
5.566	5.567	-0.001	20110	0.25000	0.24944	136.57- 136.57	0.00
5.673	5.673	0.000	64754	0.25000	0.24168	86.04- 86.04	0.00
Average of Peak Amounts =					0.24546		
7 Aroclor-1254					CAS #: 11097-69-1		
8.407	8.407	0.000	148625	0.25000	0.22906	0.00- 0.00	0.00(a)
9.054	9.054	0.000	114491	0.25000	0.23781	112.23- 112.23	0.00
9.209	9.209	0.000	216041	0.25000	0.23589	97.40- 97.40	0.00
9.550	9.550	0.000	139060	0.25000	0.23623	71.09- 71.09	0.00
10.110	10.110	0.000	81296	0.25000	0.23842	85.01- 85.01	0.00
Average of Peak Amounts =					0.23548		

QC Flag Legend

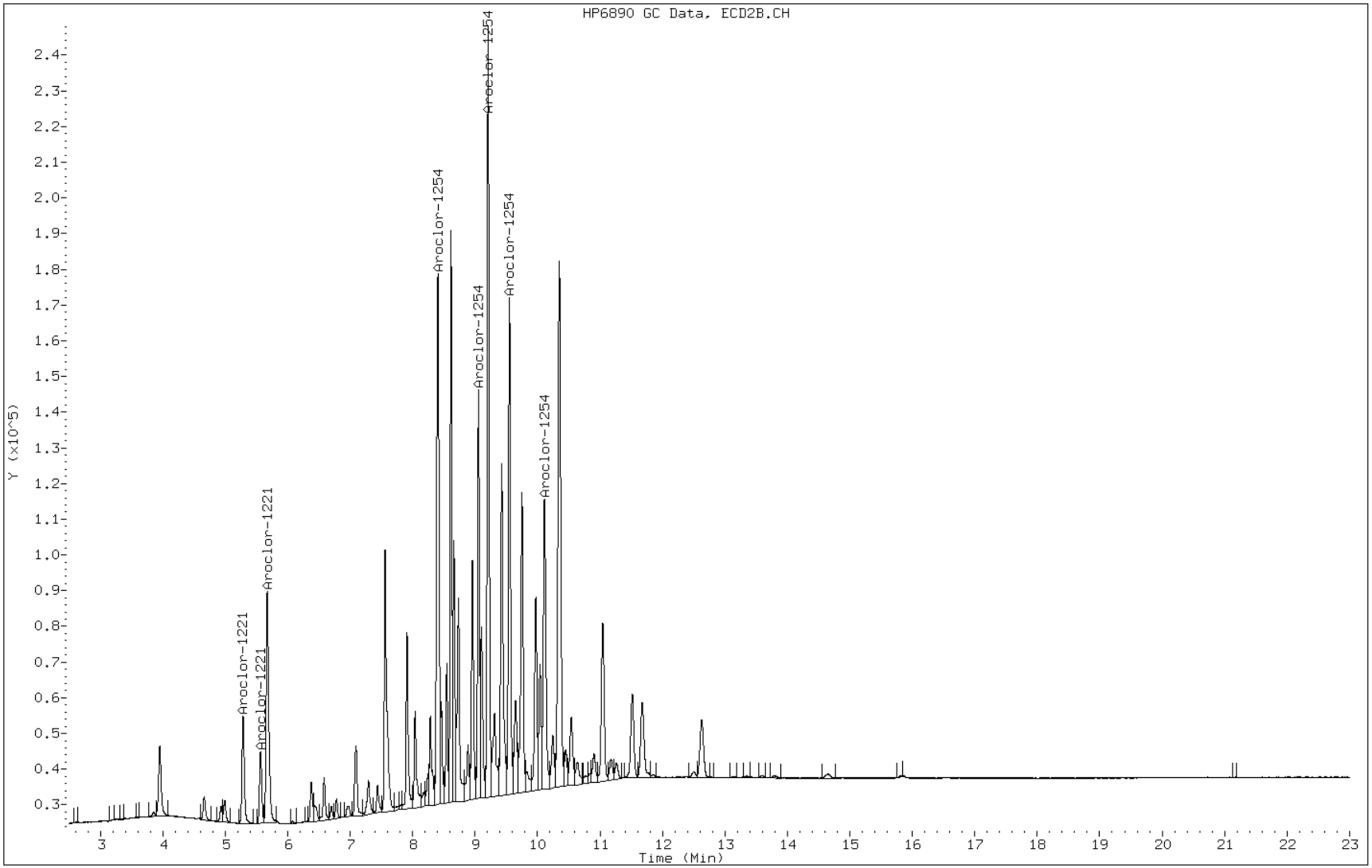
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: T0920005.D

Date: 04-SEP-2012 15:55

Client ID: Instrument: gc10.i

Sample Info: 09042B8082.b Operator: 402360



Data File: \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920006.D
Report Date: 10-Sep-2012 10:06

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920006.D
Lab Smp Id: IC-417982
Inj Date : 04-SEP-2012 16:23
Operator : 402360 Inst ID: gc10.i
Smp Info : 09042B8082.b
Misc Info : IC-417982
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\PCBB_LL.m
Meth Date : 10-Sep-2012 10:06 gc10.i Quant Type: ESTD
Cal Date : 05-SEP-2012 00:21 Cal File: T0920023.D
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2154.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
1 Aroclor-1221					CAS #: 11104-28-2		
5.286	5.287	-0.001	58316	0.50000	0.47712	0.00- 0.00	0.00(a)
5.568	5.567	0.001	39018	0.50000	0.48398	136.57- 136.57	0.00
5.674	5.673	0.001	126635	0.50000	0.47264	86.04- 86.04	0.00
Average of Peak Amounts =					0.47791		
7 Aroclor-1254					CAS #: 11097-69-1		
8.407	8.407	0.000	302140	0.50000	0.46565	0.00- 0.00	0.00(a)
9.057	9.054	0.003	231533	0.50000	0.48091	112.23- 112.23	0.00
9.211	9.209	0.002	445801	0.50000	0.48676	97.40- 97.40	0.00
9.553	9.550	0.003	287736	0.50000	0.48880	71.09- 71.09	0.00
10.113	10.110	0.003	165790	0.50000	0.48623	85.01- 85.01	0.00
Average of Peak Amounts =					0.48167		

QC Flag Legend

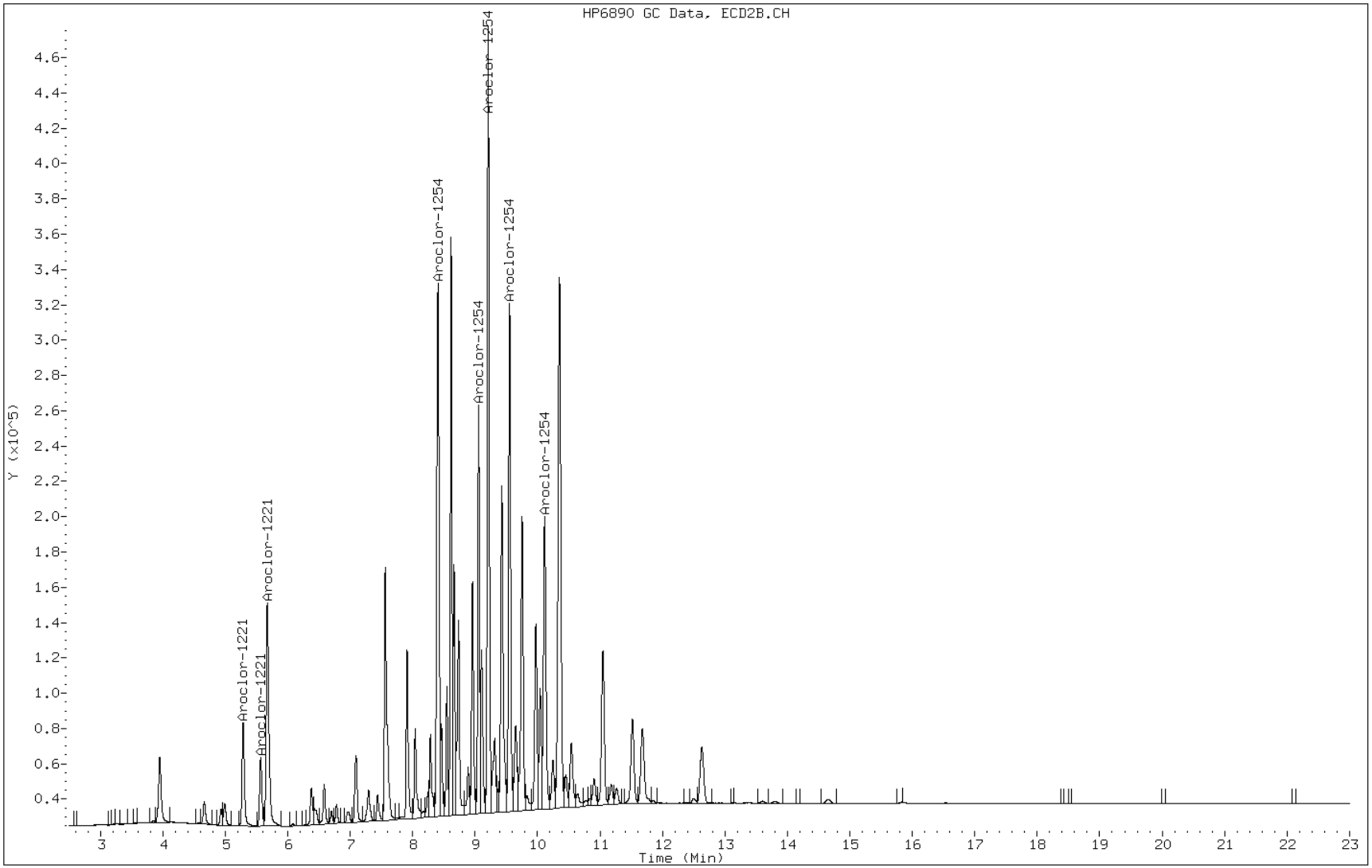
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: T0920006.D

Date: 04-SEP-2012 16:23

Client ID: Instrument: gc10.i

Sample Info: 09042B8082.b Operator: 402360



Data File: \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920007.D
Report Date: 10-Sep-2012 10:06

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920007.D
Lab Smp Id: IC-417988
Inj Date : 04-SEP-2012 16:51
Operator : 402360 Inst ID: gc10.i
Smp Info : 09042B8082.b
Misc Info : IC-417988
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\PCBB_LL.m
Meth Date : 10-Sep-2012 10:06 gc10.i Quant Type: ESTD
Cal Date : 05-SEP-2012 00:49 Cal File: T0920024.D
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2154.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
1 Aroclor-1221					CAS #: 11104-28-2		
5.285	5.287	-0.002	109866	1.00000	0.89889	0.00- 0.00	0.00(a)
5.566	5.567	-0.001	72302	1.00000	0.89683	136.57- 136.57	0.00
5.674	5.673	0.001	239063	1.00000	0.89225	86.04- 86.04	0.00
Average of Peak Amounts =					0.89599		
7 Aroclor-1254					CAS #: 11097-69-1		
8.406	8.407	-0.001	580351	1.00000	0.89442	0.00- 0.00	0.00(a)
9.056	9.054	0.002	449216	1.00000	0.93306	112.23- 112.23	0.00
9.210	9.209	0.001	868179	1.00000	0.94795	97.40- 97.40	0.00
9.552	9.550	0.002	551666	1.00000	0.93715	71.09- 71.09	0.00
10.112	10.110	0.002	324636	1.00000	0.95209	85.01- 85.01	0.00
Average of Peak Amounts =					0.93293		

QC Flag Legend

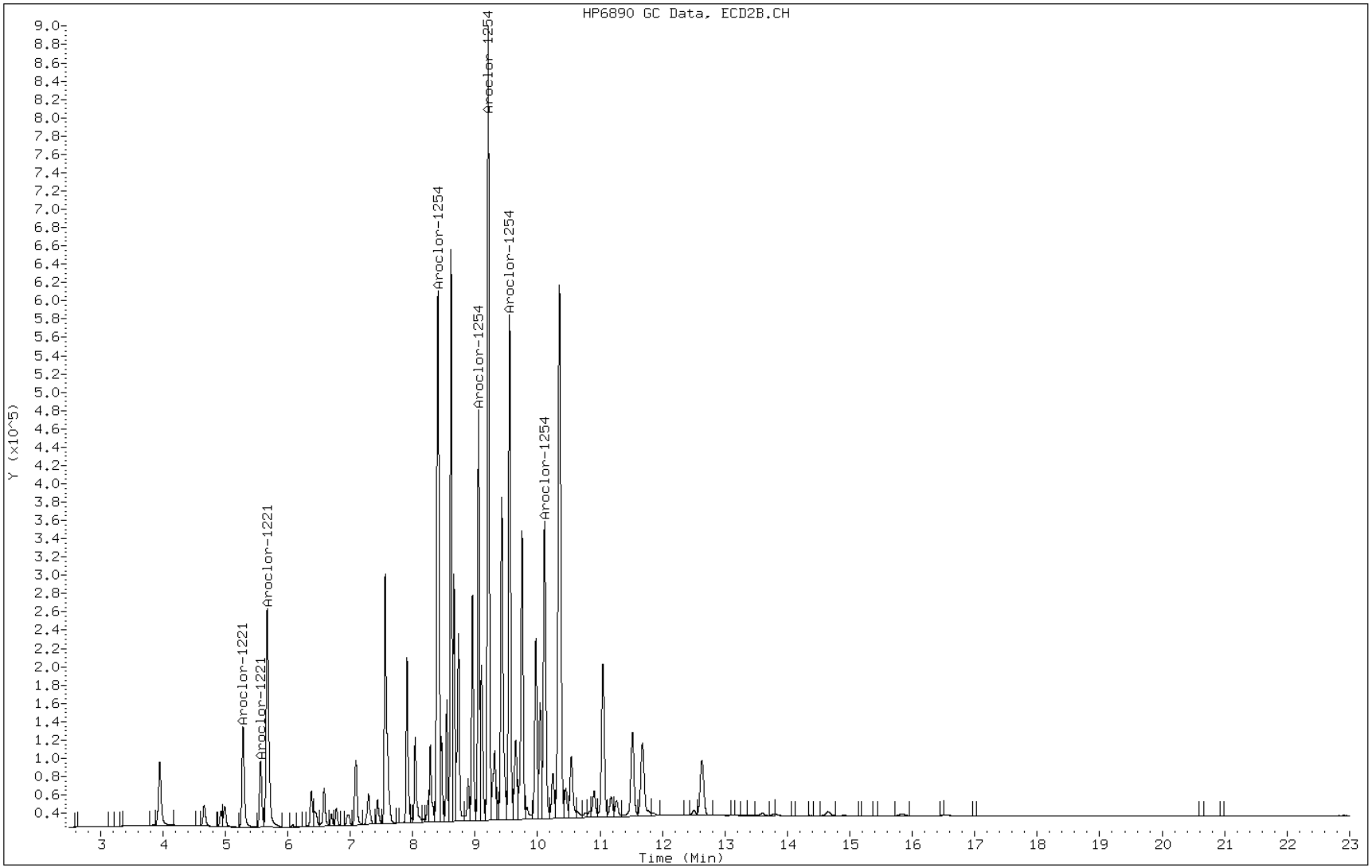
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: T0920007.D

Date: 04-SEP-2012 16:51

Client ID: Instrument: gc10.i

Sample Info: 09042B8082.b Operator: 402360



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 48486

SDG No.:

Instrument ID: GC10 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/04/2012 17:19 Calibration End Date: 09/04/2012 19:11 Calibration ID: 6659

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-48486/6	T0920008.D
Level 2	IC 180-48486/7	T0920009.D
Level 3	IC 180-48486/8	T0920010.D
Level 4	IC 180-48486/9	T0920011.D
Level 5	IC 180-48486/10	T0920012.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1242 Peak 1	6.781	6.784	6.782	6.783	6.782						6.732 - 6.832	6.782
PCB-1242 Peak 2	7.294	7.296	7.295	7.294	7.294						7.245 - 7.345	7.295
PCB-1242 Peak 3	7.439	7.440	7.439	7.439	7.439						7.389 - 7.489	7.439
PCB-1242 Peak 4	8.041	7.912	7.911	7.912	7.911						7.991 - 8.091	7.938
PCB-1242 Peak 5	8.390	8.391	8.391	8.390	8.389						8.341 - 8.441	8.390

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 48486

SDG No.:

Instrument ID: GC10 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/04/2012 17:19 Calibration End Date: 09/04/2012 19:11 Calibration ID: 6659

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-48486/6	T0920008.D
Level 2	IC 180-48486/7	T0920009.D
Level 3	IC 180-48486/8	T0920010.D
Level 4	IC 180-48486/9	T0920011.D
Level 5	IC 180-48486/10	T0920012.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
PCB-1242 Peak 1	191100 145259	174120	159256	161226	Ave		166192.200				10.4		20.0			
PCB-1242 Peak 2	368400 285314	327950	300072	308378	Ave		318022.800				10.1		20.0			
PCB-1242 Peak 3	293100 233509	264120	244804	252312	Ave		257569.000				8.8		20.0			
PCB-1242 Peak 4	363600 305118	350430	325080	324742	Ave		333794.000				6.9		20.0			
PCB-1242 Peak 5	458200 336892	375620	347200	358744	Ave		375331.200				12.9		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 48486

SDG No.:

Instrument ID: GC10 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/04/2012 17:19 Calibration End Date: 09/04/2012 19:11 Calibration ID: 6659

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-48486/6	T0920008.D
Level 2	IC 180-48486/7	T0920009.D
Level 3	IC 180-48486/8	T0920010.D
Level 4	IC 180-48486/9	T0920011.D
Level 5	IC 180-48486/10	T0920012.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1242 Peak 1	Ave	1911	17412	39814	80613	145259	0.0100	0.100	0.250	0.500	1.00
PCB-1242 Peak 2	Ave	3684	32795	75018	154189	285314	0.0100	0.100	0.250	0.500	1.00
PCB-1242 Peak 3	Ave	2931	26412	61201	126156	233509	0.0100	0.100	0.250	0.500	1.00
PCB-1242 Peak 4	Ave	3636	35043	81270	162371	305118	0.0100	0.100	0.250	0.500	1.00
PCB-1242 Peak 5	Ave	4582	37562	86800	179372	336892	0.0100	0.100	0.250	0.500	1.00

Curve Type Legend:
Ave = Average by Height

Data File: \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920008.D
Report Date: 10-Sep-2012 10:06

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920008.D
Lab Smp Id: IC-418050
Inj Date : 04-SEP-2012 17:19
Operator : 402360 Inst ID: gc10.i
Smp Info : 09042B8082.b
Misc Info : IC-418050
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\PCBB_LL.m
Meth Date : 10-Sep-2012 10:06 gc10.i Quant Type: ESTD
Cal Date : 05-SEP-2012 01:17 Cal File: T0920025.D
Als bottle: 98 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1242.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
5 Aroclor-1242					CAS #: 53469-21-9		
6.780	6.782	-0.002	1911	0.01000	0.011499	0.00- 0.00	0.00(aM)
7.294	7.294	0.000	3684	0.01000	0.011584	330.13- 330.13	0.00
7.439	7.438	0.001	2931	0.01000	0.011379	769.70- 769.70	0.00
8.040	8.040	0.000	3636	0.01000	0.010893	532.48- 532.48	0.00
8.390	8.390	0.000	4582	0.01000	0.012208	334.30- 334.30	0.00
		Average of Peak Amounts =			0.01151		

QC Flag Legend

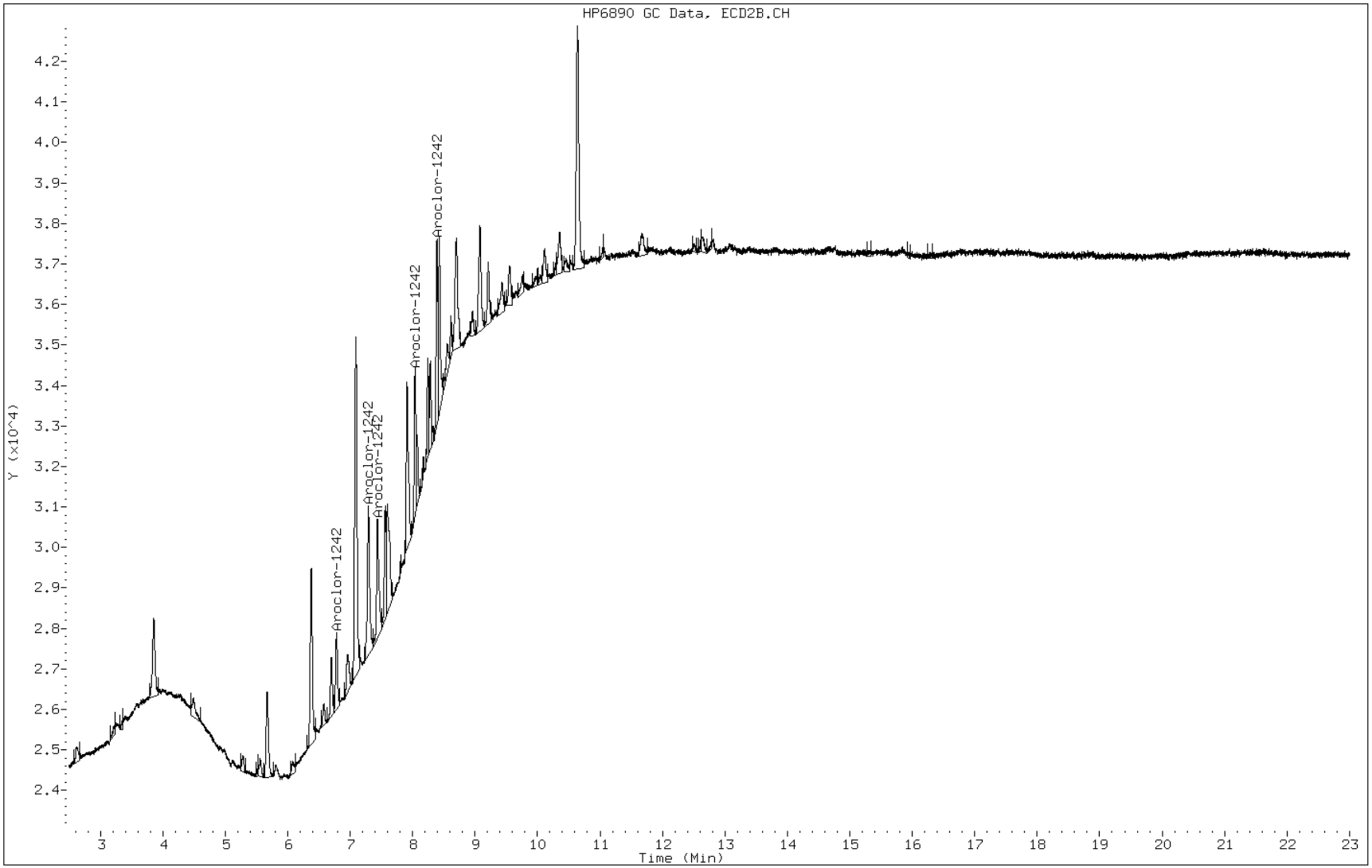
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: T0920008.D

Date: 04-SEP-2012 17:19

Client ID: Instrument: gc10.i

Sample Info: 09042B8082.b Operator: 402360



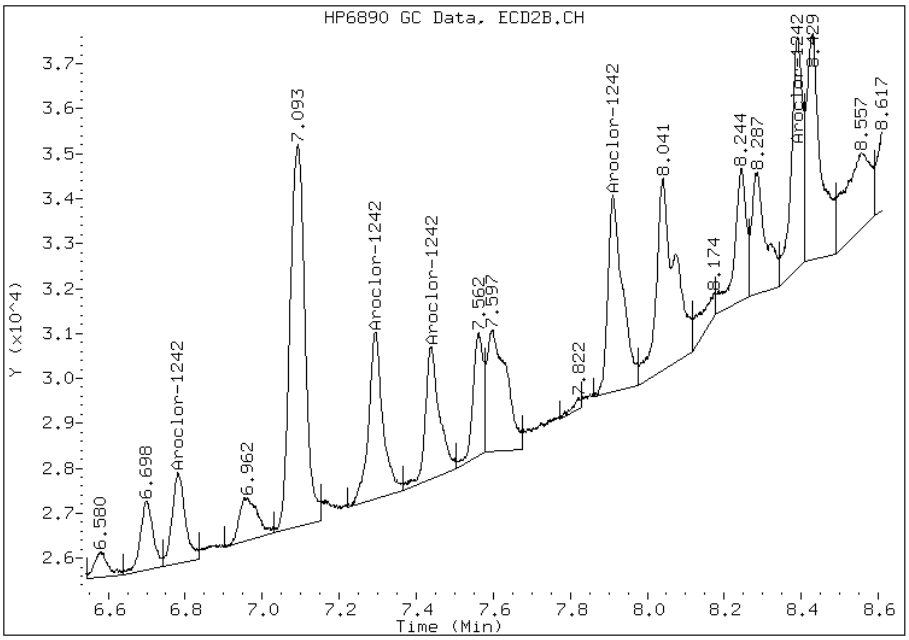
Manual Integration Report

Data File: T0920008.D
Inj. Date and Time: 04-SEP-2012 17:19
Instrument ID: gc10.i
Client ID:
Compound: 5 Aroclor-1242
CAS #: 53469-21-9
Report Date: 09/14/2012

Processing Integration Results

RT	Response	Conc
6.78	2016*	0.01
7.29	3708*	0.01
7.44	2931	0.01
7.91	4397*	0.01
8.39	5174*	0.01

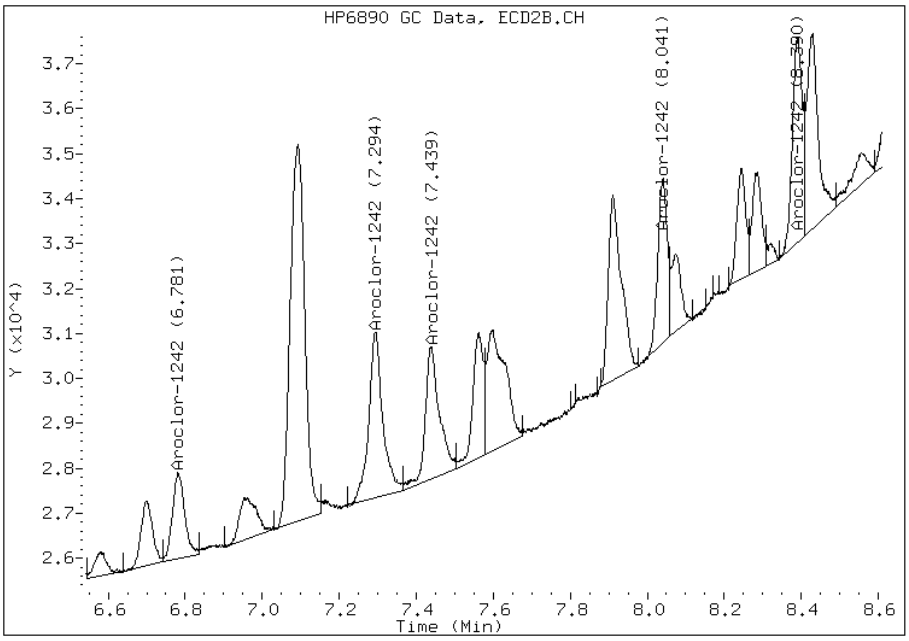
Final Conc		0.01



Manual Integration Results

RT	Response	Conc
6.78	1911*	0.01
7.29	3684*	0.01
7.44	2931	0.01
8.04	3636*	0.01
8.39	4582*	0.01

Final Conc		0.01



Manually Integrated By: guptaa
Modification Date: 05-Sep-2012 12:10
Manual Integration Reason: Poor Chromatography

Data File: \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920009.D
Report Date: 10-Sep-2012 10:06

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920009.D
Lab Smp Id: IC-418051
Inj Date : 04-SEP-2012 17:47
Operator : 402360 Inst ID: gc10.i
Smp Info : 09042B8082.b
Misc Info : IC-418051
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\PCBB_LL.m
Meth Date : 10-Sep-2012 10:06 gc10.i Quant Type: ESTD
Cal Date : 04-SEP-2012 23:24 Cal File: T0920021.D
Als bottle: 8 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1242.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
5 Aroclor-1242					CAS #: 53469-21-9		
6.784	6.782	0.002	17412	0.10000	0.10477	0.00- 0.00	0.00(a)
7.295	7.294	0.001	32795	0.10000	0.10312	330.13- 330.13	0.00
7.439	7.438	0.001	26412	0.10000	0.10254	769.70- 769.70	0.00
7.912	8.040	-0.128	35043	0.10000	0.10498	532.48- 532.48	0.00
8.390	8.390	0.000	37562	0.10000	0.10008	334.30- 334.30	0.00
		Average of Peak Amounts =			0.10310		

QC Flag Legend

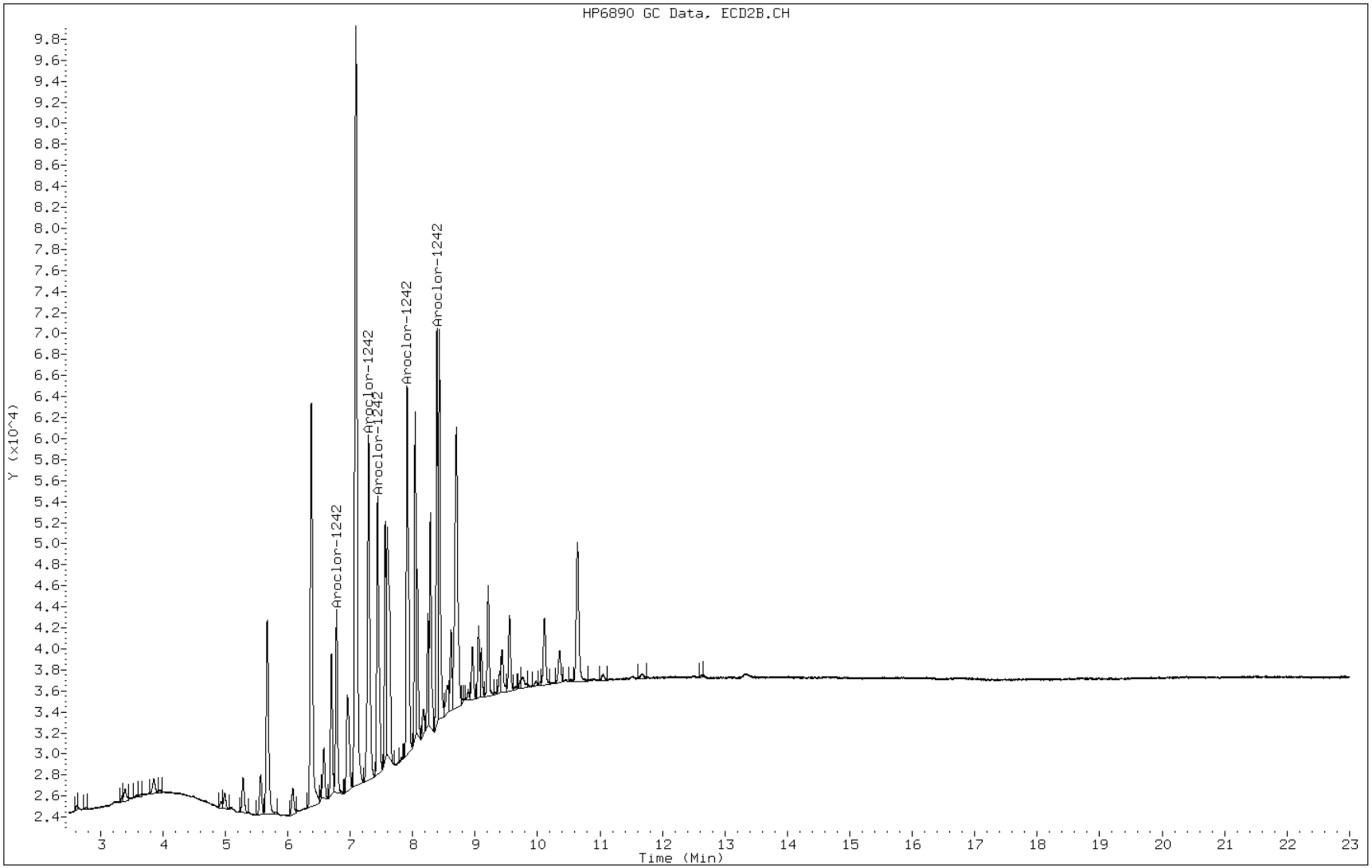
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: T0920009.D

Date: 04-SEP-2012 17:47

Client ID: Instrument: gc10.i

Sample Info: 09042B8082.b Operator: 402360



Data File: \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920010.D
Report Date: 10-Sep-2012 10:06

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920010.D
Lab Smp Id: IC-418052
Inj Date : 04-SEP-2012 18:15
Operator : 402360 Inst ID: gc10.i
Smp Info : 09042B8082.b
Misc Info : IC-418052
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\PCBB_LL.m
Meth Date : 10-Sep-2012 10:06 gc10.i Quant Type: ESTD
Cal Date : 04-SEP-2012 23:53 Cal File: T0920022.D
Als bottle: 9 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1242.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
5 Aroclor-1242					CAS #: 53469-21-9		
6.782	6.782	0.000	39814	0.25000	0.23956	0.00- 0.00	0.00(a)
7.294	7.294	0.000	75018	0.25000	0.23589	330.13- 330.13	0.00
7.438	7.438	0.000	61201	0.25000	0.23761	769.70- 769.70	0.00
7.911	8.040	-0.129	81270	0.25000	0.24347	532.48- 532.48	0.00
8.390	8.390	0.000	86800	0.25000	0.23126	334.30- 334.30	0.00
		Average of Peak Amounts =			0.23756		

QC Flag Legend

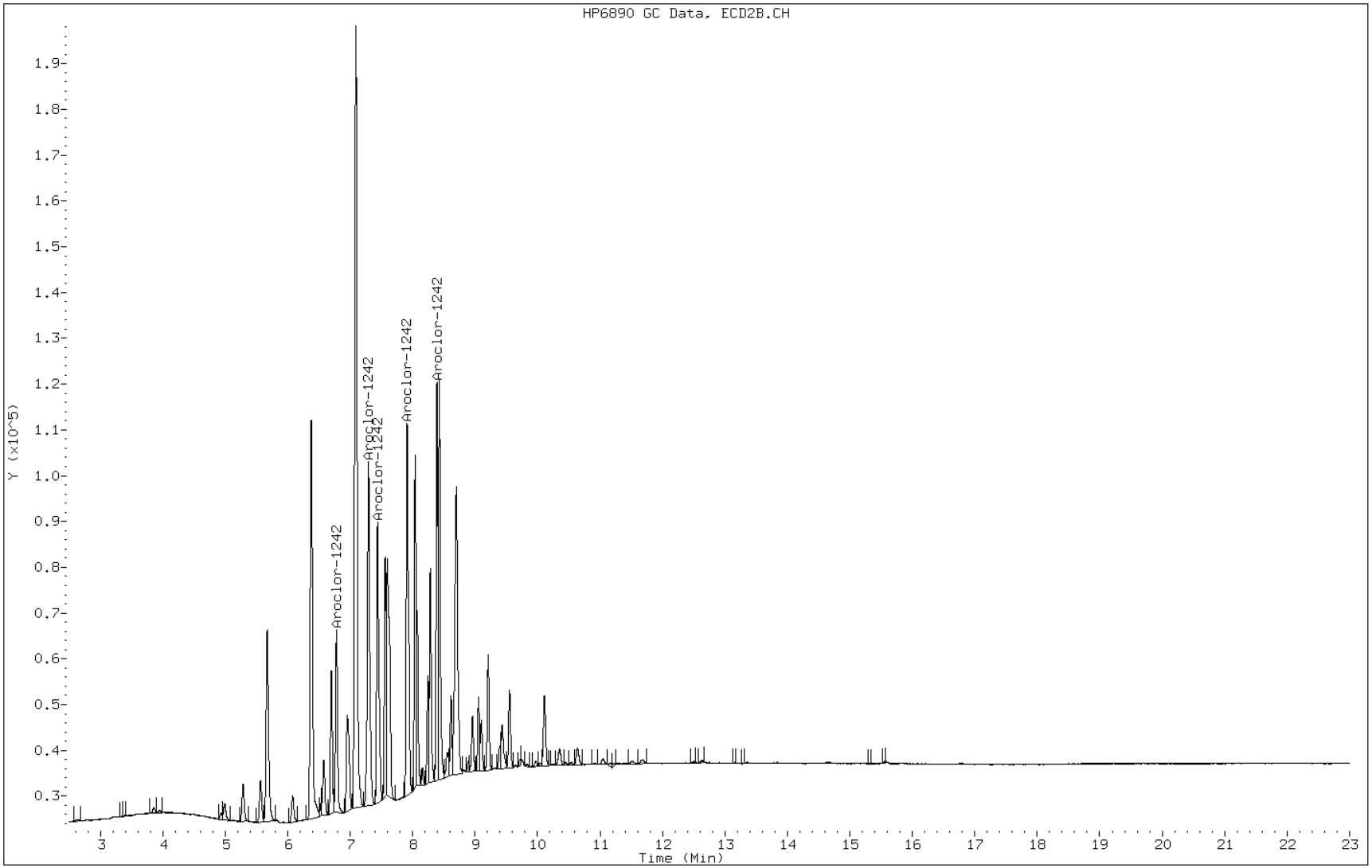
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: T0920010.D

Date: 04-SEP-2012 18:15

Client ID: Instrument: gc10.i

Sample Info: 09042B8082.b Operator: 402360



Data File: \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920011.D
Report Date: 10-Sep-2012 10:06

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920011.D
Lab Smp Id: IC-418055
Inj Date : 04-SEP-2012 18:43
Operator : 402360 Inst ID: gc10.i
Smp Info : 09042B8082.b
Misc Info : IC-418055
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\PCBB_LL.m
Meth Date : 10-Sep-2012 10:06 gc10.i Quant Type: ESTD
Cal Date : 05-SEP-2012 00:21 Cal File: T0920023.D
Als bottle: 10 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1242.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
5 Aroclor-1242					CAS #: 53469-21-9		
6.782	6.782	0.000	80613	0.50000	0.48506	0.00- 0.00	0.00(a)
7.294	7.294	0.000	154189	0.50000	0.48484	330.13- 330.13	0.00
7.438	7.438	0.000	126156	0.50000	0.48979	769.70- 769.70	0.00
7.911	8.040	-0.129	162371	0.50000	0.48644	532.48- 532.48	0.00
8.390	8.390	0.000	179372	0.50000	0.47790	334.30- 334.30	0.00
			Average of Peak Amounts =		0.48481		

QC Flag Legend

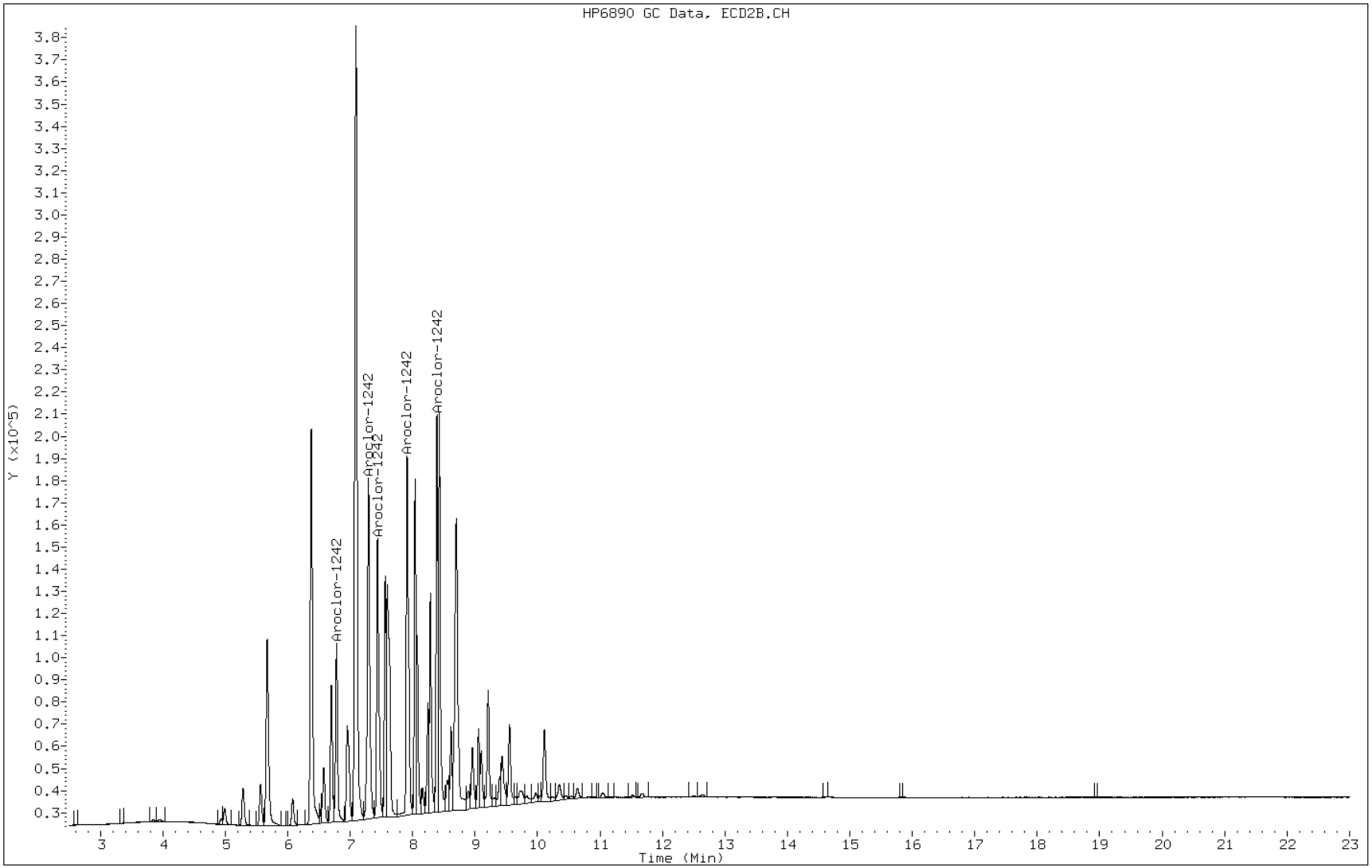
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: T0920011.D

Date: 04-SEP-2012 18:43

Client ID: Instrument: gc10.i

Sample Info: 09042B8082.b Operator: 402360



Data File: \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920012.D
Report Date: 10-Sep-2012 10:06

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920012.D
Lab Smp Id: IC-418056
Inj Date : 04-SEP-2012 19:11
Operator : 402360 Inst ID: gc10.i
Smp Info : 09042B8082.b
Misc Info : IC-418056
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\PCBB_LL.m
Meth Date : 10-Sep-2012 10:06 gc10.i Quant Type: ESTD
Cal Date : 05-SEP-2012 00:49 Cal File: T0920024.D
Als bottle: 11 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1242.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
5 Aroclor-1242					CAS #: 53469-21-9		
6.781	6.782	-0.001	145259	1.00000	0.87404	0.00- 0.00	0.00(a)
7.293	7.294	-0.001	285314	1.00000	0.89715	330.13- 330.13	0.00
7.438	7.438	0.000	233509	1.00000	0.90659	769.70- 769.70	0.00
7.911	8.040	-0.129	305118	1.00000	0.91409	532.48- 532.48	0.00
8.389	8.390	-0.001	336892	1.00000	0.89758	334.30- 334.30	0.00
			Average of Peak Amounts =		0.89789		

QC Flag Legend

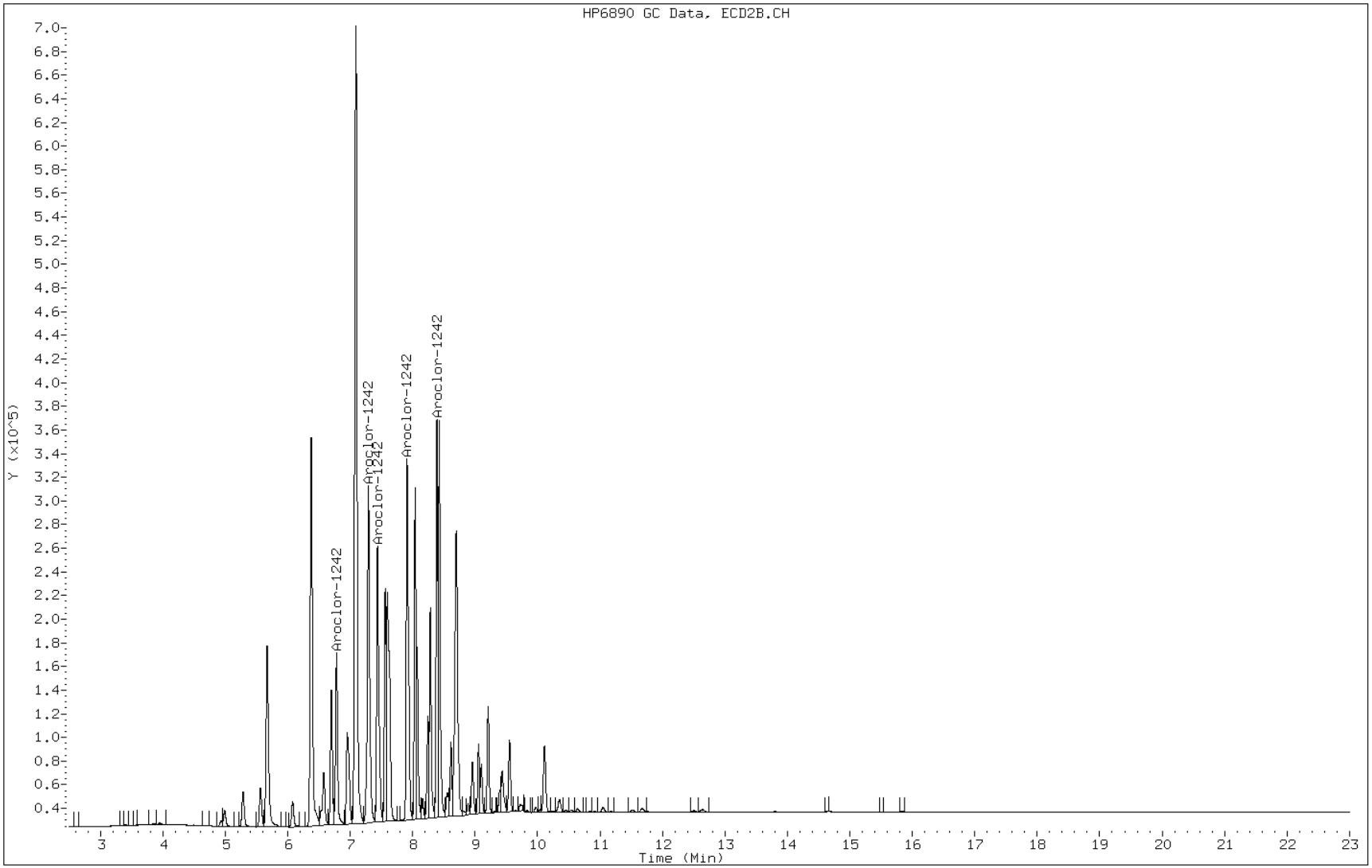
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: T0920012.D

Date: 04-SEP-2012 19:11

Client ID: Instrument: gc10.i

Sample Info: 09042B8082.b Operator: 402360



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 48486

SDG No.:

Instrument ID: GC10 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/04/2012 19:39 Calibration End Date: 09/04/2012 21:32 Calibration ID: 6660

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-48486/11	T0920013.D
Level 2	IC 180-48486/12	T0920014.D
Level 3	IC 180-48486/13	T0920015.D
Level 4	IC 180-48486/14	T0920016.D
Level 5	IC 180-48486/15	T0920017.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1248 Peak 1	7.089	7.089	7.091	7.090	7.089						7.041 - 7.141	7.090
PCB-1248 Peak 2	7.909	7.910	7.910	7.910	7.909						7.860 - 7.960	7.910
PCB-1248 Peak 3	8.039	8.039	8.040	8.040	8.039						7.990 - 8.090	8.039
PCB-1248 Peak 4	9.208	9.209	9.209	9.209	9.209						9.159 - 9.259	9.209
PCB-1248 Peak 5	9.550	9.553	9.551	9.551	9.550						9.501 - 9.601	9.551

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 48486

SDG No.:

Instrument ID: GC10 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/04/2012 19:39 Calibration End Date: 09/04/2012 21:32 Calibration ID: 6660

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-48486/11	T0920013.D
Level 2	IC 180-48486/12	T0920014.D
Level 3	IC 180-48486/13	T0920015.D
Level 4	IC 180-48486/14	T0920016.D
Level 5	IC 180-48486/15	T0920017.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
PCB-1248 Peak 1	509900 421080	443040	426580	432542	Ave		446628.400				8.1		20.0			
PCB-1248 Peak 2	627900 506869	531980	517836	533900	Ave		543697.000				8.9		20.0			
PCB-1248 Peak 3	563200 481509	493520	481552	497040	Ave		503364.200				6.8		20.0			
PCB-1248 Peak 4	339500 283026	294020	290076	298388	Ave		301002.000				7.4		20.0			
PCB-1248 Peak 5	207300 184259	191940	188964	194446	Ave		193381.800				4.5		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 48486

SDG No.:

Instrument ID: GC10 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/04/2012 19:39 Calibration End Date: 09/04/2012 21:32 Calibration ID: 6660

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-48486/11	T0920013.D
Level 2	IC 180-48486/12	T0920014.D
Level 3	IC 180-48486/13	T0920015.D
Level 4	IC 180-48486/14	T0920016.D
Level 5	IC 180-48486/15	T0920017.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1248 Peak 1	Ave	5099	44304	106645	216271	421080	0.0100	0.100	0.250	0.500	1.00
PCB-1248 Peak 2	Ave	6279	53198	129459	266950	506869	0.0100	0.100	0.250	0.500	1.00
PCB-1248 Peak 3	Ave	5632	49352	120388	248520	481509	0.0100	0.100	0.250	0.500	1.00
PCB-1248 Peak 4	Ave	3395	29402	72519	149194	283026	0.0100	0.100	0.250	0.500	1.00
PCB-1248 Peak 5	Ave	2073	19194	47241	97223	184259	0.0100	0.100	0.250	0.500	1.00

Curve Type Legend:
Ave = Average by Height

Data File: \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920013.D
Report Date: 10-Sep-2012 10:06

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920013.D
Lab Smp Id: IC-418057
Inj Date : 04-SEP-2012 19:39
Operator : 402360 Inst ID: gc10.i
Smp Info : 09042B8082.b
Misc Info : IC-418057
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\PCBB_LL.m
Meth Date : 10-Sep-2012 10:06 gc10.i Quant Type: ESTD
Cal Date : 05-SEP-2012 01:17 Cal File: T0920025.D
Als bottle: 97 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1248.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
6 Aroclor-1248					CAS #: 12672-29-6		
7.088	7.091	-0.003	5099	0.01000	0.011417	0.00- 0.00	0.00(aM)
7.909	7.910	-0.001	6279	0.01000	0.011549	134.57- 134.57	0.00
8.039	8.039	0.000	5632	0.01000	0.011189	83.67- 83.67	0.00
9.207	9.209	-0.002	3395	0.01000	0.011279	63.86- 63.86	0.00
9.550	9.551	-0.001	2073	0.01000	0.010720	148.08- 148.08	0.00
			Average of Peak Amounts =		0.01123		

QC Flag Legend

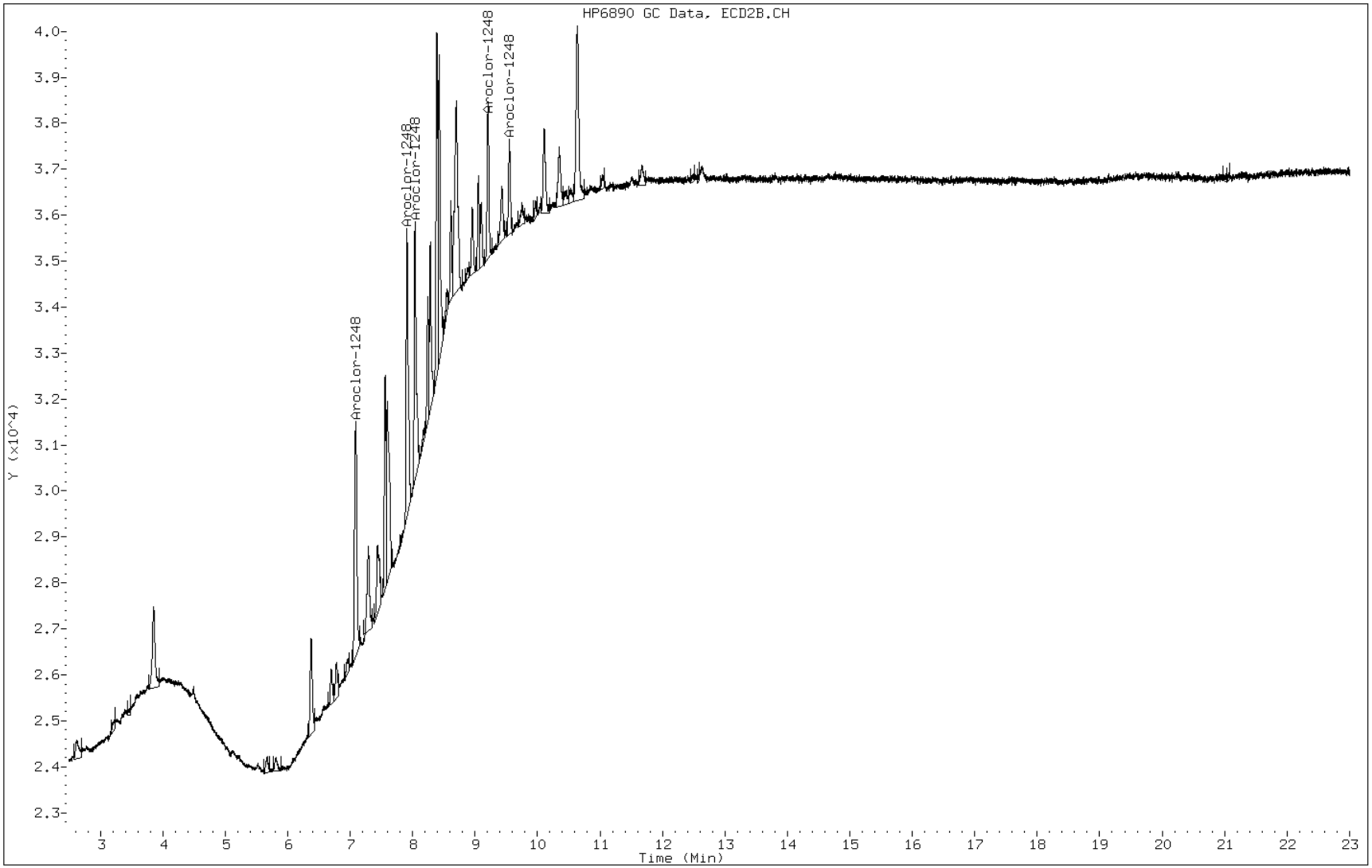
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: T0920013.D

Date: 04-SEP-2012 19:39

Client ID: Instrument: gc10.i

Sample Info: 09042B8082.b Operator: 402360



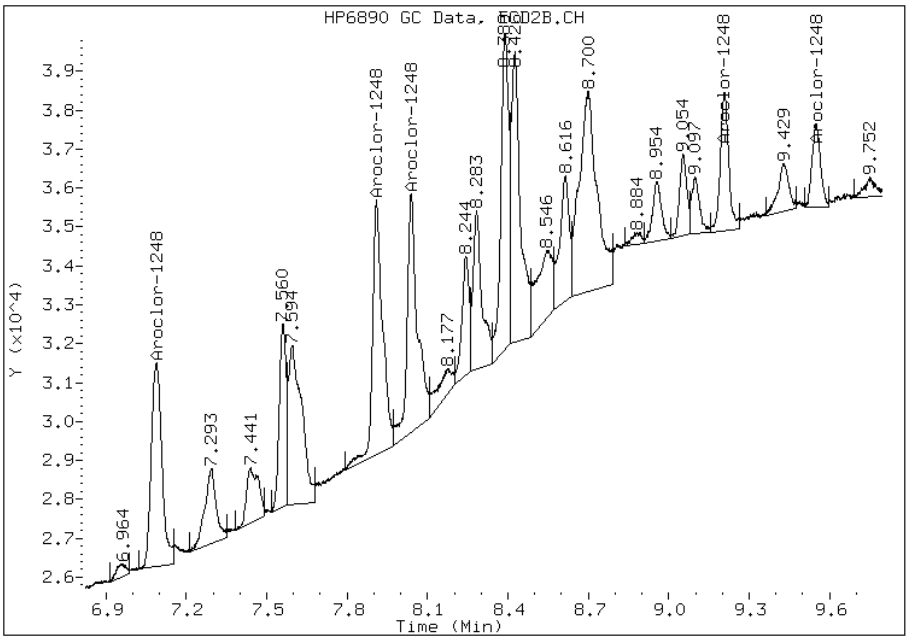
Manual Integration Report

Data File: T0920013.D
Inj. Date and Time: 04-SEP-2012 19:39
Instrument ID: gc10.i
Client ID:
Compound: 6 Aroclor-1248
CAS #: 12672-29-6
Report Date: 09/14/2012

Processing Integration Results

RT	Response	Conc
7.09	5228*	0.01
7.91	6567*	0.01
8.04	6134*	0.01
9.21	3543*	0.01
9.55	2158*	0.01

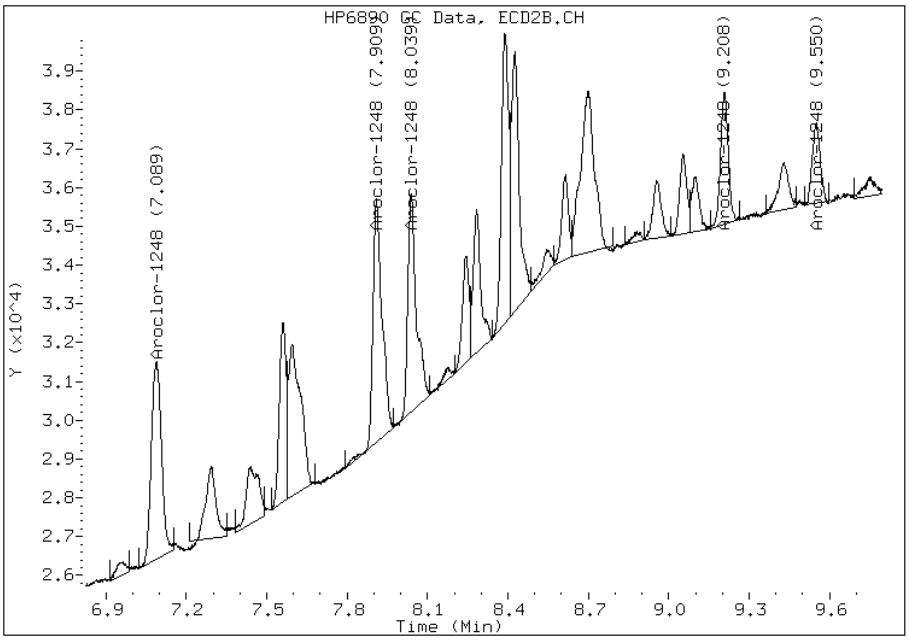
Final Conc		0.01



Manual Integration Results

RT	Response	Conc
7.09	5099*	0.01
7.91	6279*	0.01
8.04	5632*	0.01
9.21	3395*	0.01
9.55	2073*	0.01

Final Conc		0.01



Manually Integrated By: guptaa
Modification Date: 05-Sep-2012 12:17
Manual Integration Reason: Poor Chromatography

Data File: \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920014.D
Report Date: 10-Sep-2012 10:06

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920014.D
Lab Smp Id: IC-418058
Inj Date : 04-SEP-2012 20:08
Operator : 402360 Inst ID: gc10.i
Smp Info : 09042B8082.b
Misc Info : IC-418058
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\PCBB_LL.m
Meth Date : 10-Sep-2012 10:06 gc10.i Quant Type: ESTD
Cal Date : 04-SEP-2012 23:24 Cal File: T0920021.D
Als bottle: 13 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1248.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
6 Aroclor-1248					CAS #: 12672-29-6		
7.089	7.091	-0.002	44304	0.10000	0.099196	0.00- 0.00	0.00(a)
7.910	7.910	0.000	53198	0.10000	0.097845	134.57- 134.57	0.00
8.039	8.039	0.000	49352	0.10000	0.098044	83.67- 83.67	0.00
9.209	9.209	0.000	29402	0.10000	0.097680	63.86- 63.86	0.00
9.552	9.551	0.001	19194	0.10000	0.099254	148.08- 148.08	0.00
		Average of Peak Amounts =			0.09840		

QC Flag Legend

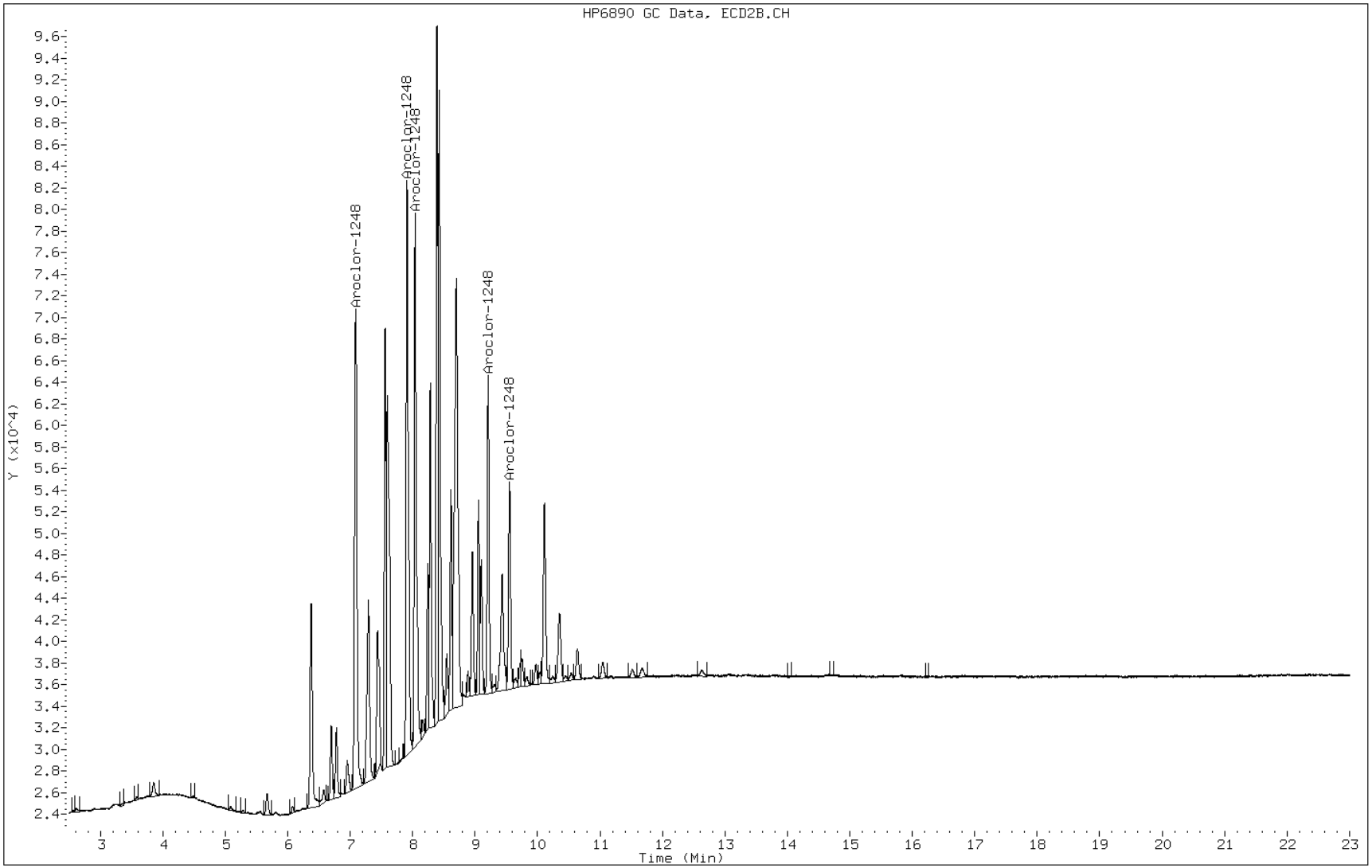
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: T0920014.D

Date: 04-SEP-2012 20:08

Client ID: Instrument: gc10.i

Sample Info: 09042B8082.b Operator: 402360



Data File: \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920015.D
Report Date: 10-Sep-2012 10:06

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920015.D
Lab Smp Id: IC-418059
Inj Date : 04-SEP-2012 20:36
Operator : 402360 Inst ID: gc10.i
Smp Info : 09042B8082.b
Misc Info : IC-418059
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\PCBB_LL.m
Meth Date : 10-Sep-2012 10:06 gc10.i Quant Type: ESTD
Cal Date : 04-SEP-2012 23:53 Cal File: T0920022.D
Als bottle: 14 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1248.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
6 Aroclor-1248					CAS #: 12672-29-6		
7.091	7.091	0.000	106645	0.25000	0.23878	0.00- 0.00	0.00(a)
7.910	7.910	0.000	129459	0.25000	0.23811	134.57- 134.57	0.00
8.040	8.039	0.001	120388	0.25000	0.23917	83.67- 83.67	0.00
9.209	9.209	0.000	72519	0.25000	0.24092	63.86- 63.86	0.00
9.551	9.551	0.000	47241	0.25000	0.24429	148.08- 148.08	0.00
			Average of Peak Amounts =		0.24025		

QC Flag Legend

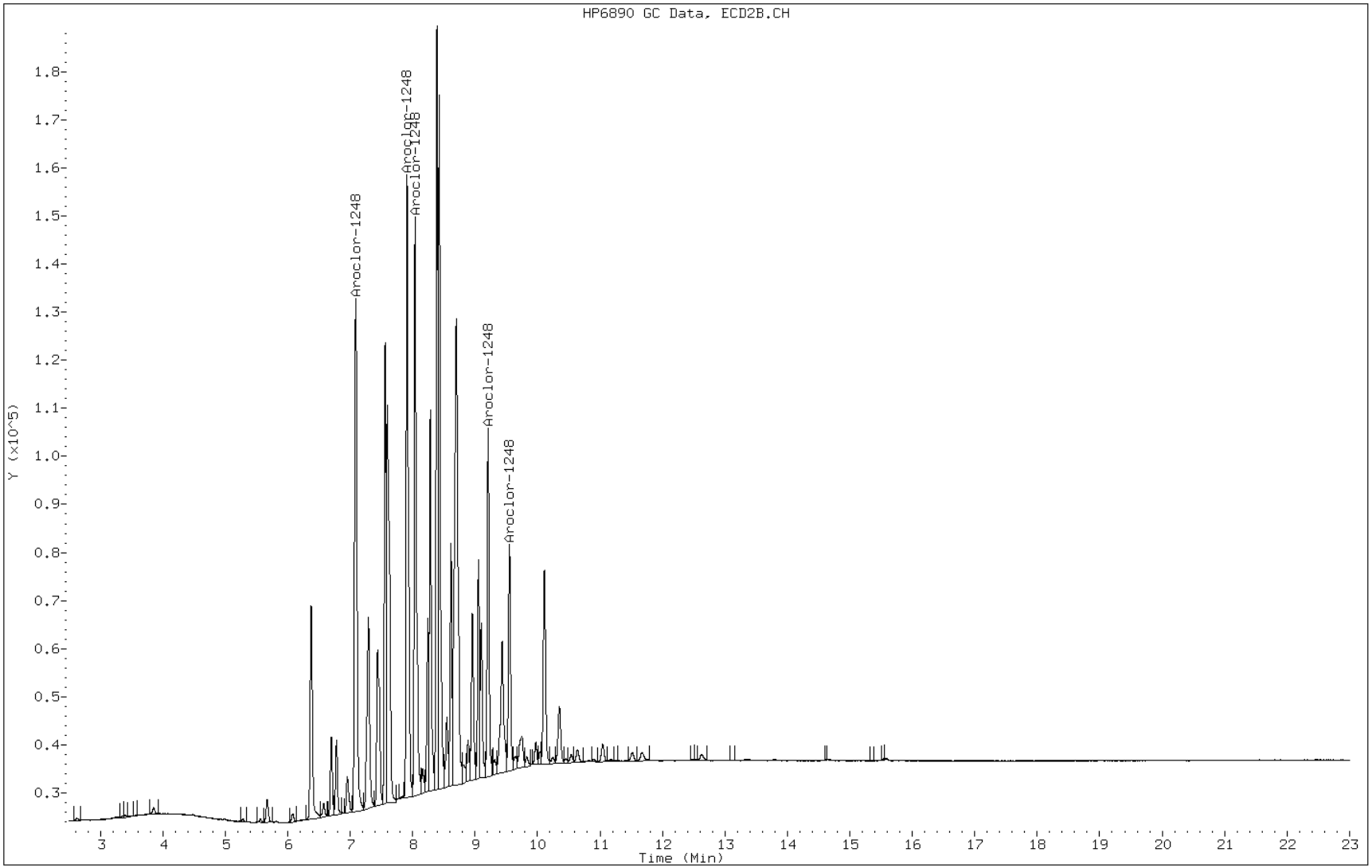
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: T0920015.D

Date: 04-SEP-2012 20:36

Client ID: Instrument: gc10.i

Sample Info: 09042B8082.b Operator: 402360



Data File: \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920016.D
Report Date: 10-Sep-2012 10:06

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920016.D
Lab Smp Id: IC-418060
Inj Date : 04-SEP-2012 21:04
Operator : 402360 Inst ID: gc10.i
Smp Info : 09042B8082.b
Misc Info : IC-418060
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\PCBB_LL.m
Meth Date : 10-Sep-2012 10:06 gc10.i Quant Type: ESTD
Cal Date : 05-SEP-2012 00:21 Cal File: T0920023.D
Als bottle: 15 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1248.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
6 Aroclor-1248					CAS #: 12672-29-6		
7.090	7.091	-0.001	216271	0.50000	0.48423	0.00- 0.00	0.00(a)
7.910	7.910	0.000	266950	0.50000	0.49099	134.57- 134.57	0.00
8.039	8.039	0.000	248520	0.50000	0.49372	83.67- 83.67	0.00
9.208	9.209	-0.001	149194	0.50000	0.49566	63.86- 63.86	0.00
9.551	9.551	0.000	97223	0.50000	0.50275	148.08- 148.08	0.00
		Average of Peak Amounts =			0.49347		

QC Flag Legend

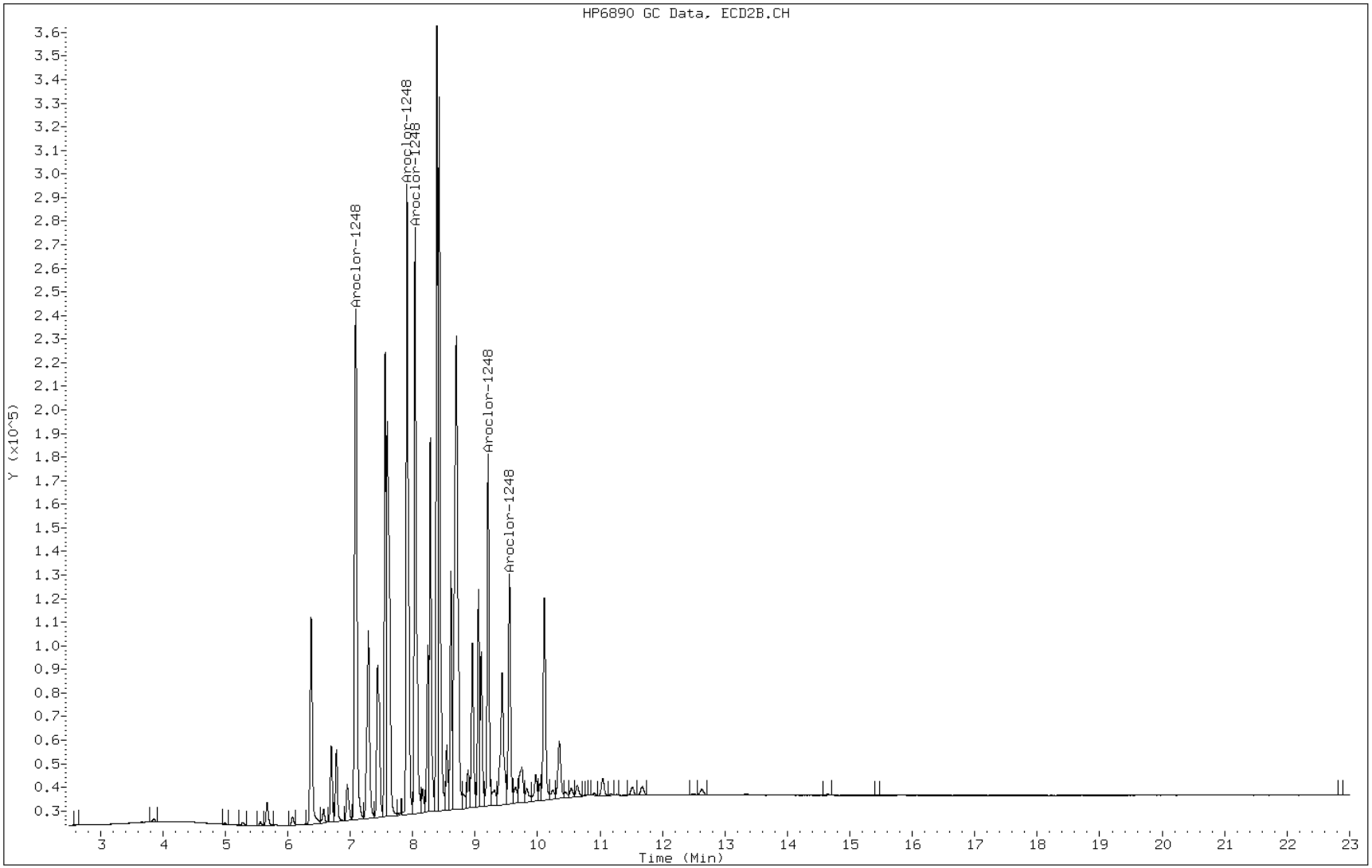
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: T0920016.D

Date: 04-SEP-2012 21:04

Client ID: Instrument: gc10.i

Sample Info: 09042B8082.b Operator: 402360



Data File: \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920017.D
Report Date: 10-Sep-2012 10:06

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920017.D
Lab Smp Id: IC-418072
Inj Date : 04-SEP-2012 21:32
Operator : 402360 Inst ID: gc10.i
Smp Info : 09042B8082.b
Misc Info : IC-418072
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\PCBB_LL.m
Meth Date : 10-Sep-2012 10:06 gc10.i Quant Type: ESTD
Cal Date : 05-SEP-2012 00:49 Cal File: T0920024.D
Als bottle: 16 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1248.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
6 Aroclor-1248					CAS #: 12672-29-6		
7.088	7.091	-0.003	421080	1.00000	0.94280	0.00- 0.00	0.00(a)
7.909	7.910	-0.001	506869	1.00000	0.93226	134.57- 134.57	0.00
8.038	8.039	-0.001	481509	1.00000	0.95658	83.67- 83.67	0.00
9.208	9.209	-0.001	283026	1.00000	0.94028	63.86- 63.86	0.00
9.550	9.551	-0.001	184259	1.00000	0.95282	148.08- 148.08	0.00
		Average of Peak Amounts =			0.94495		

QC Flag Legend

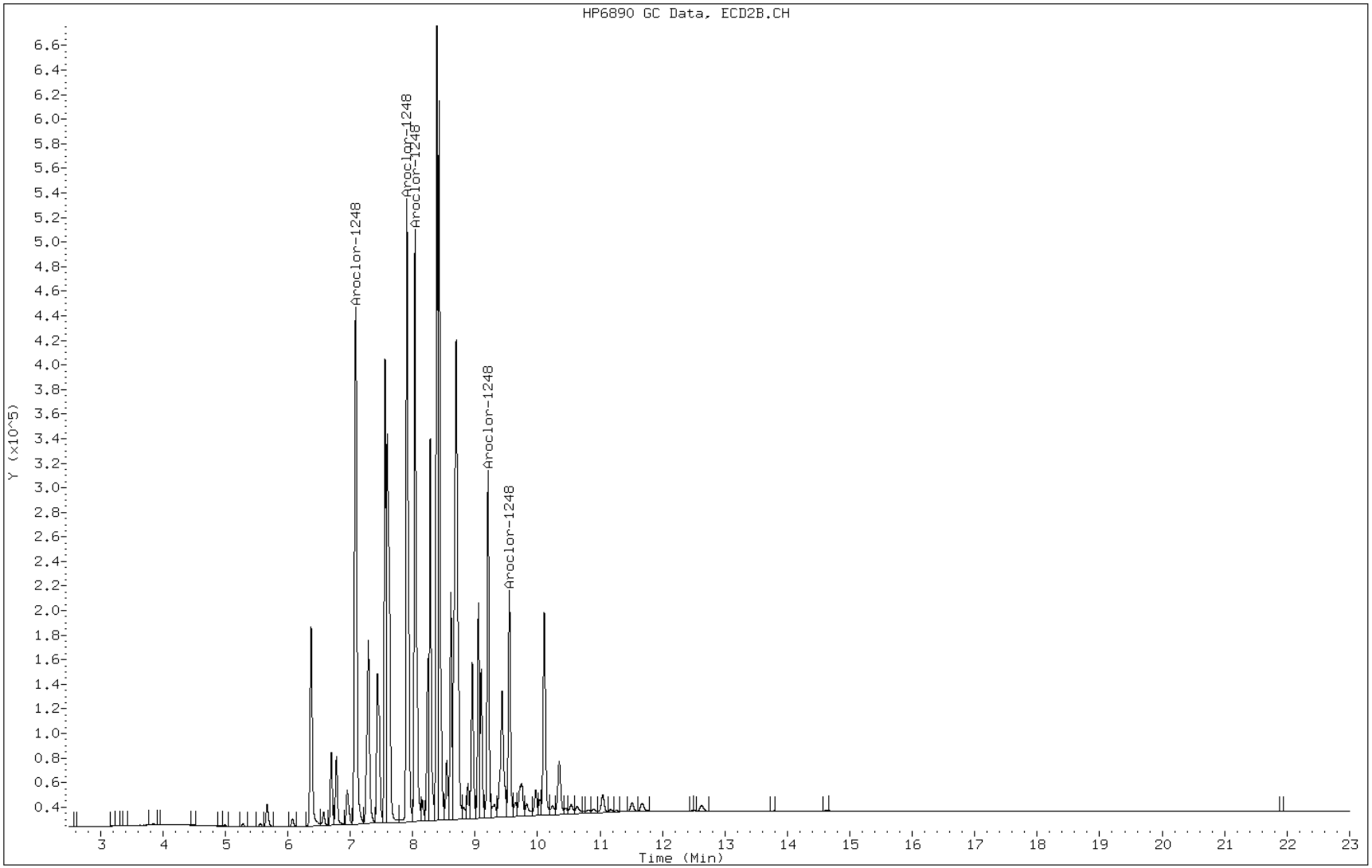
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: T0920017.D

Date: 04-SEP-2012 21:32

Client ID: Instrument: gc10.i

Sample Info: 09042B8082.b Operator: 402360



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 48486

SDG No.:

Instrument ID: GC10 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/04/2012 22:00 Calibration End Date: 09/04/2012 22:00 Calibration ID: 6661

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-48486/16	T0920018.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1232 Peak 1	7.560										7.513 - 7.613	7.560
PCB-1232 Peak 2	7.910										7.863 - 7.963	7.910
PCB-1232 Peak 3	8.284										8.236 - 8.336	8.284
PCB-1232 Peak 4	8.389										8.343 - 8.443	8.389
PCB-1232 Peak 5	8.698										8.653 - 8.753	8.698

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 48486

SDG No.:

Instrument ID: GC10 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/04/2012 22:00 Calibration End Date: 09/04/2012 22:00 Calibration ID: 6661

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-48486/16	T0920018.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1232 Peak 1	123380				Ave		123380.000						20.0			
PCB-1232 Peak 2	182504				Ave		182504.000						20.0			
PCB-1232 Peak 3	96400				Ave		96400.0000						20.0			
PCB-1232 Peak 4	188284				Ave		188284.000						20.0			
PCB-1232 Peak 5	127844				Ave		127844.000						20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 48486

SDG No.:

Instrument ID: GC10 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/04/2012 22:00 Calibration End Date: 09/04/2012 22:00 Calibration ID: 6661

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-48486/16	T0920018.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1					LVL 1				
PCB-1232 Peak 1	Ave	61690					0.500				
PCB-1232 Peak 2	Ave	91252					0.500				
PCB-1232 Peak 3	Ave	48200					0.500				
PCB-1232 Peak 4	Ave	94142					0.500				
PCB-1232 Peak 5	Ave	63922					0.500				

Curve Type Legend:
Ave = Average by Height

Data File: \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920018.D
Report Date: 10-Sep-2012 10:06

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920018.D
Lab Smp Id: IC-418073
Inj Date : 04-SEP-2012 22:00
Operator : 402360 Inst ID: gc10.i
Smp Info : 09042B8082.b
Misc Info : IC-418073
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\PCBB_LL.m
Meth Date : 10-Sep-2012 10:06 gc10.i Quant Type: ESTD
Cal Date : 05-SEP-2012 01:17 Cal File: T0920025.D
Als bottle: 17 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1232.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
3 Aroclor-1232					CAS #: 11141-16-5		
7.560	7.563	-0.003	61690	0.50000	0.50000	0.00- 0.00	0.00(a)
7.910	7.913	-0.003	91252	0.50000	0.50000	166.26- 166.26	0.00
8.283	8.286	-0.003	48200	0.50000	0.50000	85.99- 85.99	0.00
8.389	8.393	-0.004	94142	0.50000	0.50000	94.18- 94.18	0.00
8.697	8.702	-0.005	63922	0.50000	0.50000	0.00- 0.00	0.00
		Average of Peak Amounts =			0.50000		

QC Flag Legend

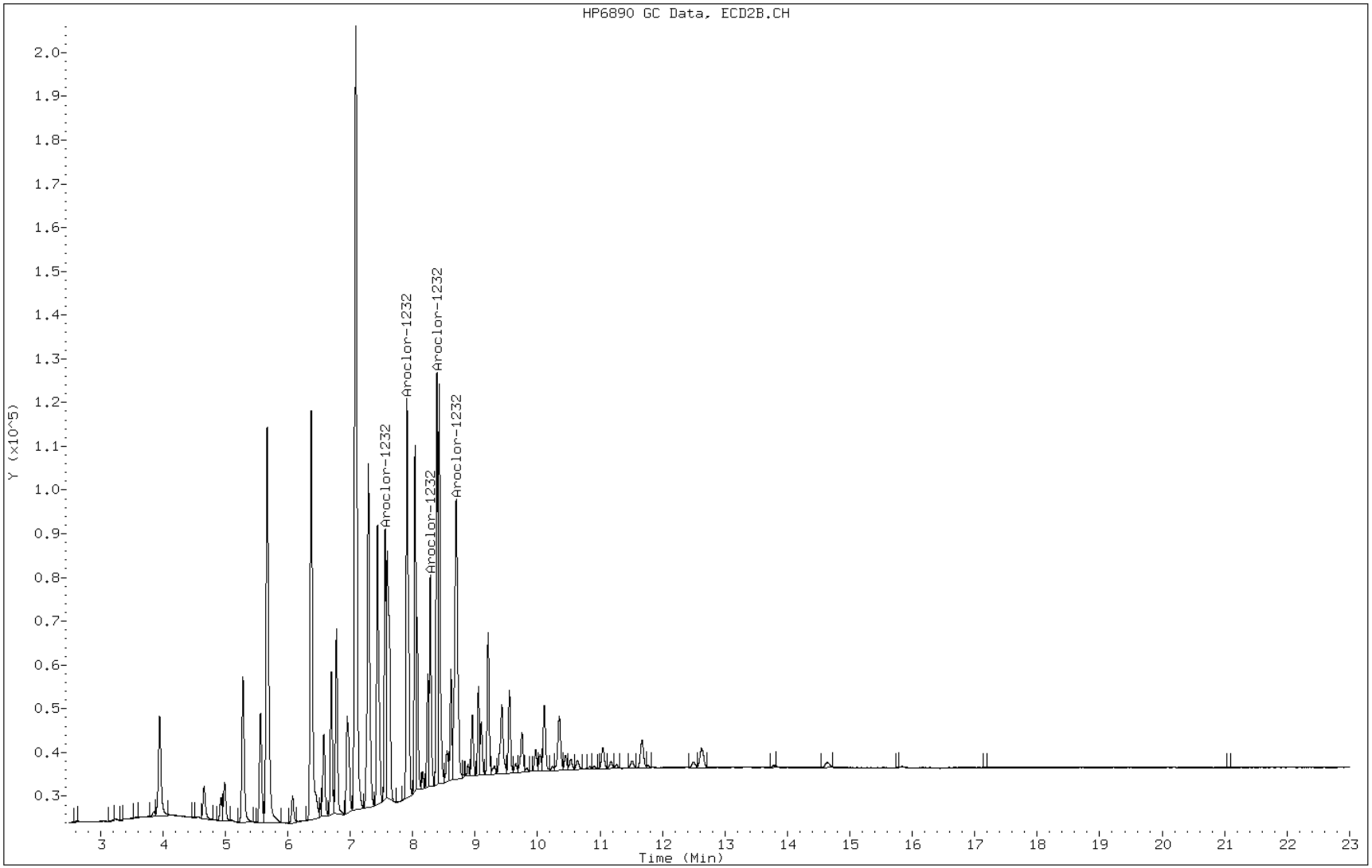
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: T0920018.D

Date: 04-SEP-2012 22:00

Client ID: Instrument: gc10.i

Sample Info: 09042B8082.b Operator: 402360



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 48486

SDG No.:

Instrument ID: GC10 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/04/2012 22:28 Calibration End Date: 09/04/2012 22:28 Calibration ID: 6662

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-48486/17	T0920019.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1262 Peak 1	9.424										9.379 - 9.479	9.424
PCB-1262 Peak 2	10.344										10.301 - 10.401	10.344
PCB-1262 Peak 3	11.049										11.009 - 11.109	11.049
PCB-1262 Peak 4	12.498										12.459 - 12.559	12.498
PCB-1262 Peak 5	14.643										14.611 - 14.711	14.643

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 48486

SDG No.:

Instrument ID: GC10 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/04/2012 22:28 Calibration End Date: 09/04/2012 22:28 Calibration ID: 6662

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-48486/17	T0920019.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1262 Peak 1	520172				Ave		520172.000						20.0			
PCB-1262 Peak 2	376844				Ave		376844.000						20.0			
PCB-1262 Peak 3	503058				Ave		503058.000						20.0			
PCB-1262 Peak 4	343340				Ave		343340.000						20.0			
PCB-1262 Peak 5	256882				Ave		256882.000						20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 48486

SDG No.:

Instrument ID: GC10 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/04/2012 22:28 Calibration End Date: 09/04/2012 22:28 Calibration ID: 6662

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-48486/17	T0920019.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1					LVL 1				
PCB-1262 Peak 1	Ave	260086					0.500				
PCB-1262 Peak 2	Ave	188422					0.500				
PCB-1262 Peak 3	Ave	251529					0.500				
PCB-1262 Peak 4	Ave	171670					0.500				
PCB-1262 Peak 5	Ave	128441					0.500				

Curve Type Legend:
Ave = Average by Height

Data File: \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920019.D
Report Date: 10-Sep-2012 10:06

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920019.D
Lab Smp Id: IC-418079
Inj Date : 04-SEP-2012 22:28
Operator : 402360 Inst ID: gc10.i
Smp Info : 09042B8082.b
Misc Info : IC-418079
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\PCBB_LL.m
Meth Date : 10-Sep-2012 10:06 gc10.i Quant Type: ESTD
Cal Date : 05-SEP-2012 00:49 Cal File: T0920024.D
Als bottle: 18 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1262.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

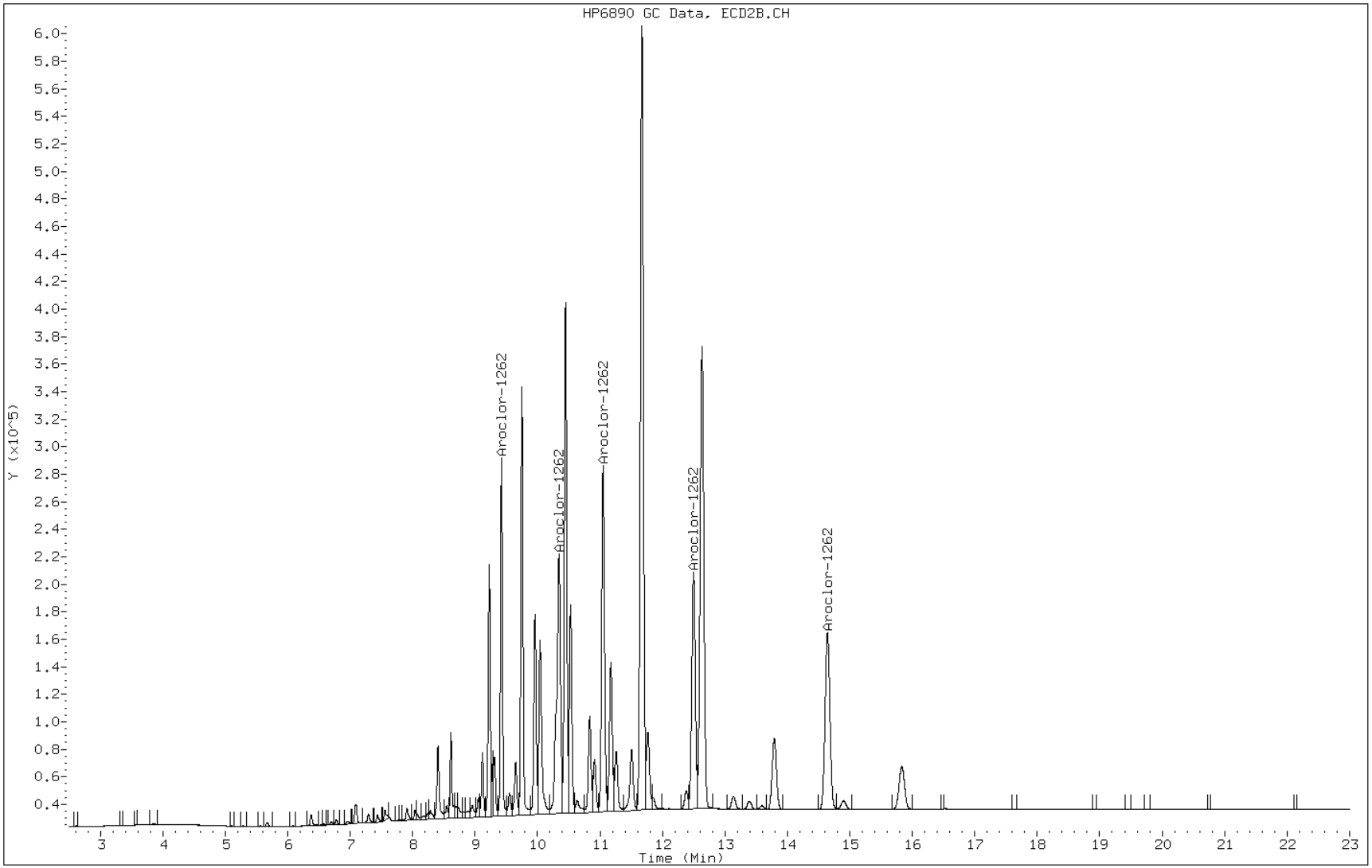
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
9 Aroclor-1262					CAS #: 37324-23-5		
9.423	9.429	-0.006	260086	0.50000	0.50000	0.00- 0.00	0.00
10.344	10.351	-0.007	188422	0.50000	0.50000	0.00- 0.00	0.00
11.048	11.059	-0.011	251529	0.50000	0.50000	0.00- 0.00	0.00
12.497	12.509	-0.012	171670	0.50000	0.50000	0.00- 0.00	0.00
14.642	14.661	-0.019	128441	0.50000	0.50000	0.00- 0.00	0.00
		Average of Peak Amounts =			0.50000		

Data File: T0920019.D

Date: 04-SEP-2012 22:28

Client ID: Instrument: gc10.i

Sample Info: 09042B8082.b Operator: 402360



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 48486

SDG No.:

Instrument ID: GC10 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/04/2012 22:56 Calibration End Date: 09/04/2012 22:56 Calibration ID: 6663

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-48486/18	T0920020.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1268 Peak 1	12.498										12.459 - 12.559	12.498
PCB-1268 Peak 2	12.638										12.601 - 12.701	12.639
PCB-1268 Peak 3	13.138										13.099 - 13.199	13.138
PCB-1268 Peak 4	15.829										15.801 - 15.901	15.829

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 48486

SDG No.:

Instrument ID: GC10 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/04/2012 22:56 Calibration End Date: 09/04/2012 22:56 Calibration ID: 6663

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-48486/18	T0920020.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1268 Peak 1	1118518				Ave		1118518.00						20.0			
PCB-1268 Peak 2	1032866				Ave		1032866.00						20.0			
PCB-1268 Peak 3	834908				Ave		834908.000						20.0			
PCB-1268 Peak 4	1686842				Ave		1686842.00						20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 48486

SDG No.:

Instrument ID: GC10 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/04/2012 22:56 Calibration End Date: 09/04/2012 22:56 Calibration ID: 6663

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-48486/18	T0920020.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1					LVL 1				
PCB-1268 Peak 1	Ave	559259					0.500				
PCB-1268 Peak 2	Ave	516433					0.500				
PCB-1268 Peak 3	Ave	417454					0.500				
PCB-1268 Peak 4	Ave	843421					0.500				

Curve Type Legend:

Ave = Average by Height

Data File: \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920020.D
Report Date: 10-Sep-2012 10:06

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920020.D
Lab Smp Id: IC-418080
Inj Date : 04-SEP-2012 22:56
Operator : 402360 Inst ID: gc10.i
Smp Info : 09042B8082.b
Misc Info : IC-418080
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\PCBB_LL.m
Meth Date : 10-Sep-2012 10:06 gc10.i Quant Type: ESTD
Cal Date : 05-SEP-2012 00:49 Cal File: T0920024.D
Als bottle: 19 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1268.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

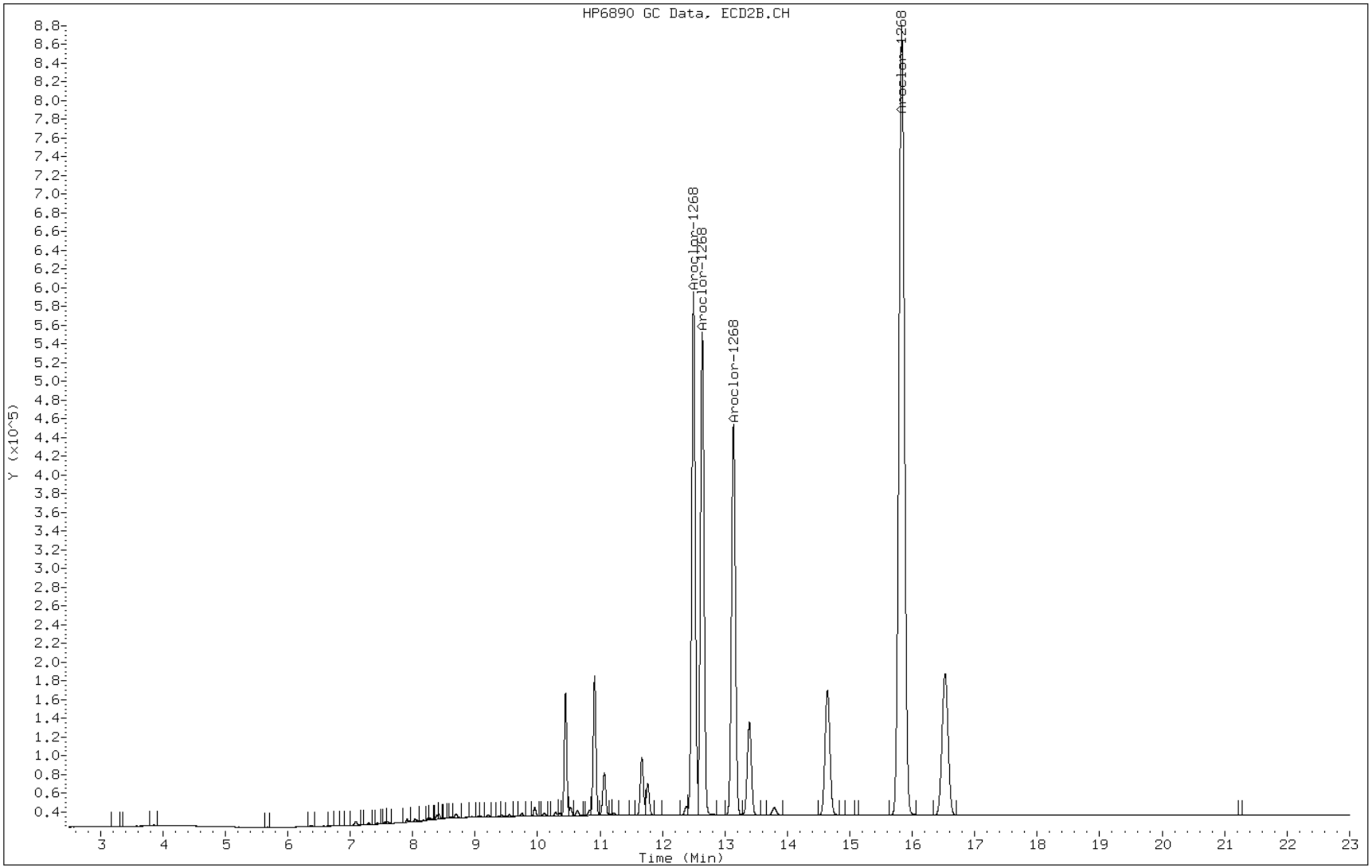
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
10 Aroclor-1268					CAS #: 11100-14-4		
12.497	12.508	-0.011	559259	0.50000	0.50000	0.00- 0.00	0.00
12.638	12.651	-0.013	516433	0.50000	0.50000	0.00- 0.00	0.00
13.137	13.149	-0.012	417454	0.50000	0.50000	0.00- 0.00	0.00
15.829	15.851	-0.022	843421	0.50000	0.50000	0.00- 0.00	0.00
		Average of Peak Amounts =			0.50000		

Data File: T0920020.D

Date: 04-SEP-2012 22:56

Client ID: Instrument: gc10.i

Sample Info: 09042B8082.b Operator: 402360



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 48486

SDG No.:

Instrument ID: GC10 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/04/2012 23:24 Calibration End Date: 09/05/2012 02:13 Calibration ID: 6664

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-48486/19	T0920021.D
Level 2	IC 180-48486/20	T0920022.D
Level 3	IC 180-48486/21	T0920023.D
Level 4	IC 180-48486/22	T0920024.D
Level 5	IC 180-48486/23	T0920025.D
Level 6	IC 180-48486/24	T0920026.D
Level 7	IC 180-48486/25	T0920027.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1016 Peak 1	5.671	5.672	5.670	5.670	5.670	5.669	5.668				5.620 - 5.720	5.670
PCB-1016 Peak 2	6.376	6.376	6.376	6.376	6.375	6.376	6.375				6.326 - 6.426	6.376
PCB-1016 Peak 3	7.092	7.091	7.091	7.091	7.090	7.092	7.091				7.041 - 7.141	7.091
PCB-1016 Peak 4	7.292	7.293	7.292	7.292	7.292	7.292	7.292				7.242 - 7.342	7.292
PCB-1016 Peak 5	7.438	7.437	7.437	7.436	7.437	7.437	7.436				7.387 - 7.487	7.437
PCB-1260 Peak 1	9.424	9.424	9.424	9.424	9.422	9.424	9.423				9.374 - 9.474	9.424
PCB-1260 Peak 2	9.749	9.750	9.749	9.751	9.749	9.750	9.749				9.699 - 9.799	9.750
PCB-1260 Peak 3	10.039	10.040	10.040	10.040	10.039	10.039	10.038				9.990 - 10.090	10.039
PCB-1260 Peak 4	10.346	10.345	10.345	10.345	10.344	10.345	10.344				10.295 - 10.395	10.345
PCB-1260 Peak 5	11.670	11.672	11.670	11.671	11.669	11.670	11.670				11.620 - 11.720	11.670
Tetrachloro-m-xylene	4.734	4.735	4.732	4.734	4.732	4.732	4.732				4.682 - 4.782	4.733
DCB Decachlorobiphenyl (Surr)	16.527	16.528	16.527	16.528	16.522	16.522	16.526				16.457 - 16.597	16.526

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 48486

SDG No.:

Instrument ID: GC10 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/04/2012 23:24 Calibration End Date: 09/05/2012 02:13 Calibration ID: 6664

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-48486/19	T0920021.D
Level 2	IC 180-48486/20	T0920022.D
Level 3	IC 180-48486/21	T0920023.D
Level 4	IC 180-48486/22	T0920024.D
Level 5	IC 180-48486/23	T0920025.D
Level 6	IC 180-48486/24	T0920026.D
Level 7	IC 180-48486/25	T0920027.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1016 Peak 1	230100 195844	216040 191302	208990 178284	201900	Ave		203208.500				8.4		20.0			
PCB-1016 Peak 2	502600 436404	471040 429097	451715 401731	442504	Ave		447870.000				7.2		20.0			
PCB-1016 Peak 3	985200 906001	878760 911321	889310 878254	891042	Ave		905698.250				4.1		20.0			
PCB-1016 Peak 4	435700 382640	402280 381328	391350 360225	383396	Ave		390988.357				6.0		20.0			
PCB-1016 Peak 5	333600 312896	323900 313326	316305 296422	312782	Ave		315604.357				3.6		20.0			
PCB-1260 Peak 1	717500 668595	701640 677742	659645 650025	661356	Ave		676643.286				3.6		20.0			
PCB-1260 Peak 2	838100 772047	786240 777803	769385 751337	770890	Ave		780828.786				3.5		20.0			
PCB-1260 Peak 3	367000 346870	366620 348483	350305 331675	346654	Ave		351086.750				3.5		20.0			
PCB-1260 Peak 4	784900 727395	724100 741229	721010 709581	714914	Ave		731875.429				3.5		20.0			
PCB-1260 Peak 5	957200 997384	913560 1015934	971080 980523	966448	Ave		971732.679				3.3		20.0			
Tetrachloro-m-xylene	12554000 11881620	11362800 11748970	11457400 11207940	11655160	Ave		11695412.9				3.8		20.0			
DCB Decachlorobiphenyl (Surr)	3836000 4041140	3956000 4012280	4317700 3721205	4073480	Ave		3993972.14				4.7		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 48486

SDG No.:

Instrument ID: GC10 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/04/2012 23:24 Calibration End Date: 09/05/2012 02:13 Calibration ID: 6664

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-48486/19	T0920021.D
Level 2	IC 180-48486/20	T0920022.D
Level 3	IC 180-48486/21	T0920023.D
Level 4	IC 180-48486/22	T0920024.D
Level 5	IC 180-48486/23	T0920025.D
Level 6	IC 180-48486/24	T0920026.D
Level 7	IC 180-48486/25	T0920027.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Ave	2301 382604	10802 713134	41798	100950	195844	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1016 Peak 2	Ave	5026 858193	23552 1606922	90343	221252	436404	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1016 Peak 3	Ave	9852 1822642	43938 3513015	177862	445521	906001	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1016 Peak 4	Ave	4357 762655	20114 1440900	78270	191698	382640	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1016 Peak 5	Ave	3336 626651	16195 1185688	63261	156391	312896	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1260 Peak 1	Ave	7175 1355484	35082 2600100	131929	330678	668595	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1260 Peak 2	Ave	8381 1555606	39312 3005346	153877	385445	772047	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1260 Peak 3	Ave	3670 696966	18331 1326701	70061	173327	346870	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1260 Peak 4	Ave	7849 1482457	36205 2838322	144202	357457	727395	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1260 Peak 5	Ave	9572 2031868	45678 3922091	194216	483224	997384	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
Tetrachloro-m-xylene	Ave	6277 1174897	28407 2241588	114574	291379	594081	0.000500 0.100	0.00250 0.200	0.0100	0.0250	0.0500
DCB Decachlorobiphenyl (Surr)	Ave	1918 401228	9890 744241	43177	101837	202057	0.000500 0.100	0.00250 0.200	0.0100	0.0250	0.0500

Curve Type Legend:
Ave = Average by Height

Data File: \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920021.D
Report Date: 10-Sep-2012 10:06

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920021.D
Lab Smp Id: IC-361631
Inj Date : 04-SEP-2012 23:24
Operator : 402360 Inst ID: gc10.i
Smp Info : 09042B8082.b
Misc Info : IC-361631
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\PCBB_LL.m
Meth Date : 10-Sep-2012 10:06 gc10.i Quant Type: ESTD
Cal Date : 05-SEP-2012 00:49 Cal File: T0920024.D
Als bottle: 96 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
4 Aroclor-1016					CAS #: 12674-11-2		
5.671	5.670	0.001	2301	0.01000	0.011323	0.00- 0.00	0.00(a)
6.376	6.376	0.000	5026	0.01000	0.011222	100.00- 100.00	0.00
7.091	7.091	0.000	9852	0.01000	0.010878	223.51- 223.51	0.00
7.291	7.292	-0.001	4357	0.01000	0.011144	223.51- 223.51	0.00
7.437	7.437	0.000	3336	0.01000	0.010570	317.56- 317.56	0.00
Average of Peak Amounts =					0.01103		
$ 11 DCB Decachlorobiphenyl (Surr)					CAS #: 2051-24-3		
16.526	16.527	-0.001	1918	0.00050	0.00048022		(M)
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.734	4.732	0.002	6277	0.00050	0.00053671		
8 Aroclor-1260					CAS #: 11096-82-5		
9.424	9.424	0.000	7175	0.01000	0.010604	0.00- 0.00	0.00(a)
9.749	9.749	0.000	8381	0.01000	0.010733	115.86- 115.86	0.00
10.038	10.039	-0.001	3670	0.01000	0.010453	136.91- 136.91	0.00
10.346	10.344	0.002	7849	0.01000	0.010724	140.00- 140.00	0.00
11.670	11.669	0.001	9572	0.01000	0.0098504	128.33- 128.33	0.00
Average of Peak Amounts =					0.01047		

Data File: \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920021.D
Report Date: 10-Sep-2012 10:06

QC Flag Legend

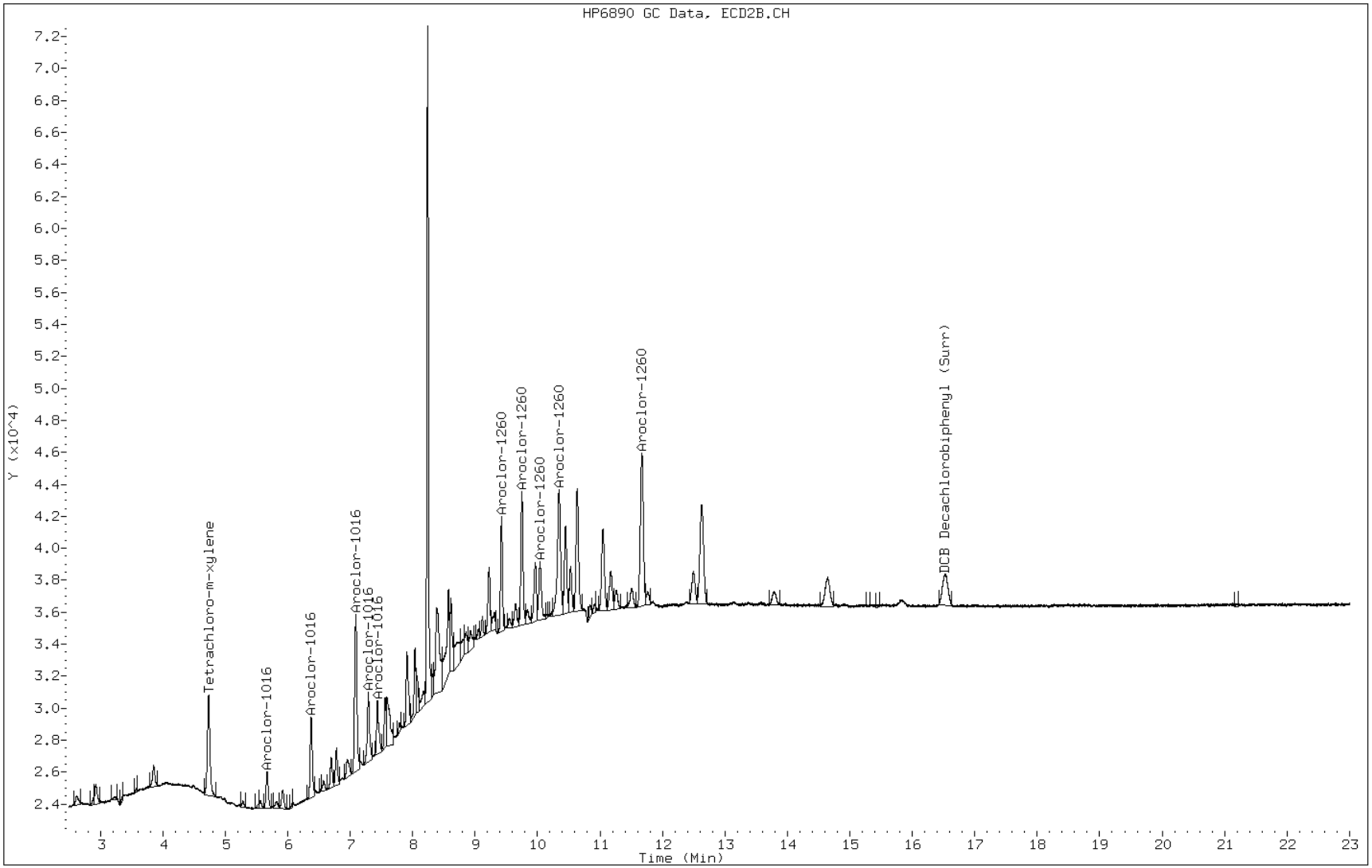
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: T0920021.D

Date: 04-SEP-2012 23:24

Client ID: Instrument: gc10.i

Sample Info: 09042B8082.b Operator: 402360



Manual Integration Report

Data File: T0920021.D
Inj. Date and Time: 04-SEP-2012 23:24
Instrument ID: gc10.i
Client ID:
Compound: 11 DCB Decachlorobiphenyl (Surr)
CAS #: 2051-24-3
Report Date: 09/14/2012

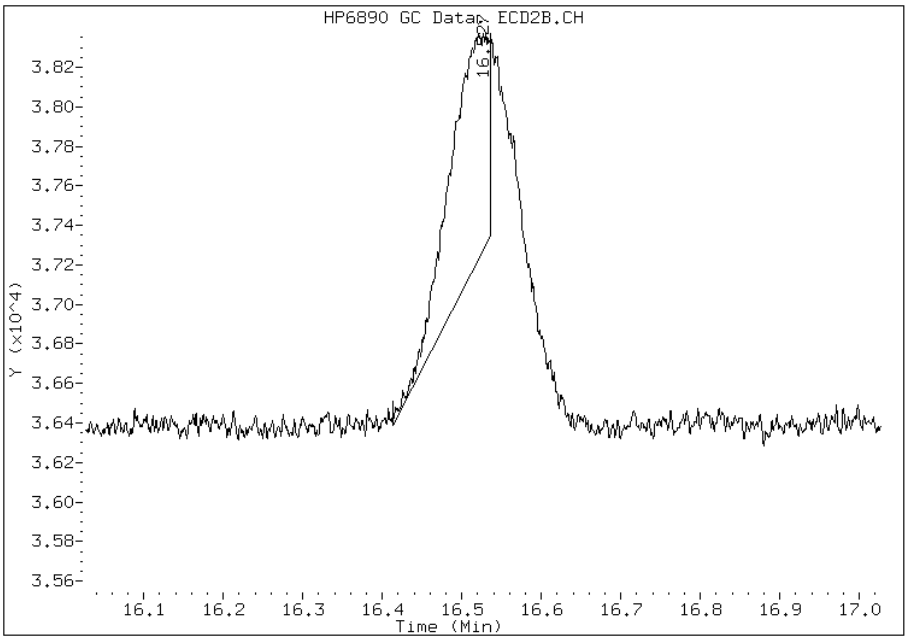
Processing Integration Results

RT: 16.53

Response: 1095

Amount: 0.00

Conc: 0.00



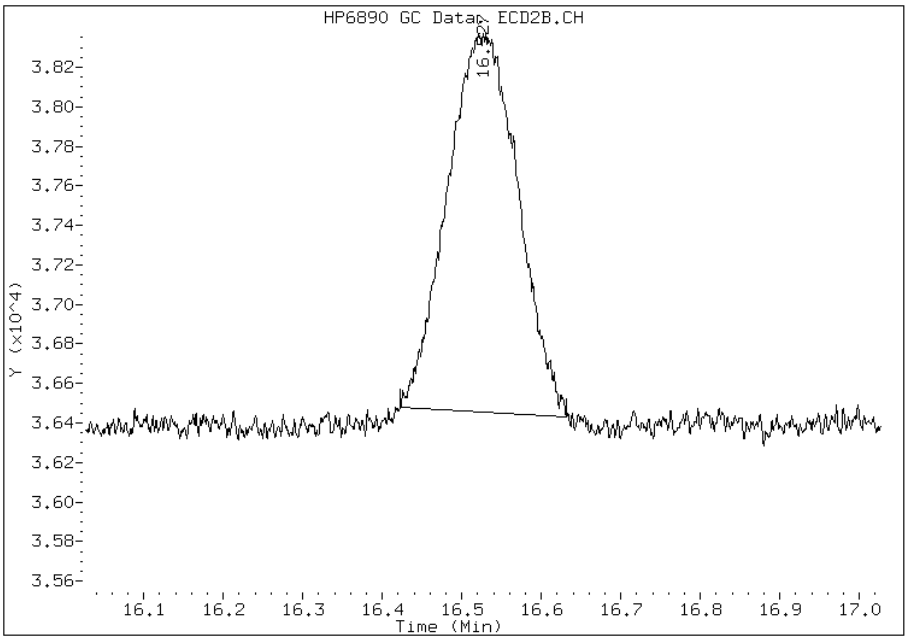
Manual Integration Results

RT: 16.53

Response: 1918

Amount: 0.00

Conc: 0.00



Manually Integrated By: guptaa
Modification Date: 05-Sep-2012 12:11
Manual Integration Reason: Poor Chromatography

Data File: \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920022.D
Report Date: 10-Sep-2012 10:06

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920022.D
Lab Smp Id: IC-361632
Inj Date : 04-SEP-2012 23:53
Operator : 402360 Inst ID: gc10.i
Smp Info : 09042B8082.b
Misc Info : IC-361632
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\PCBB_LL.m
Meth Date : 10-Sep-2012 10:06 gc10.i Quant Type: ESTD
Cal Date : 04-SEP-2012 23:24 Cal File: T0920021.D
Als bottle: 21 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
4 Aroclor-1016					CAS #: 12674-11-2		
5.672	5.670	0.002	10802	0.05000	0.053157	0.00- 0.00	0.00(a)
6.376	6.376	0.000	23552	0.05000	0.052587	100.00- 100.00	0.00
7.091	7.091	0.000	43938	0.05000	0.048513	223.51- 223.51	0.00
7.292	7.292	0.000	20114	0.05000	0.051444	223.51- 223.51	0.00
7.437	7.437	0.000	16195	0.05000	0.051314	317.56- 317.56	0.00
Average of Peak Amounts =					0.05140		
$ 11 DCB Decachlorobiphenyl (Surr)					CAS #: 2051-24-3		
16.527	16.527	0.000	9890	0.00250	0.0024762		
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.734	4.732	0.002	28407	0.00250	0.0024289		
8 Aroclor-1260					CAS #: 11096-82-5		
9.423	9.424	-0.001	35082	0.05000	0.051847	0.00- 0.00	0.00(a)
9.750	9.749	0.001	39312	0.05000	0.050346	115.86- 115.86	0.00
10.040	10.039	0.001	18331	0.05000	0.052212	136.91- 136.91	0.00
10.345	10.344	0.001	36205	0.05000	0.049469	140.00- 140.00	0.00
11.672	11.669	0.003	45678	0.05000	0.047007	128.33- 128.33	0.00
Average of Peak Amounts =					0.05018		

Data File: \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920022.D
Report Date: 10-Sep-2012 10:06

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: T0920022.D

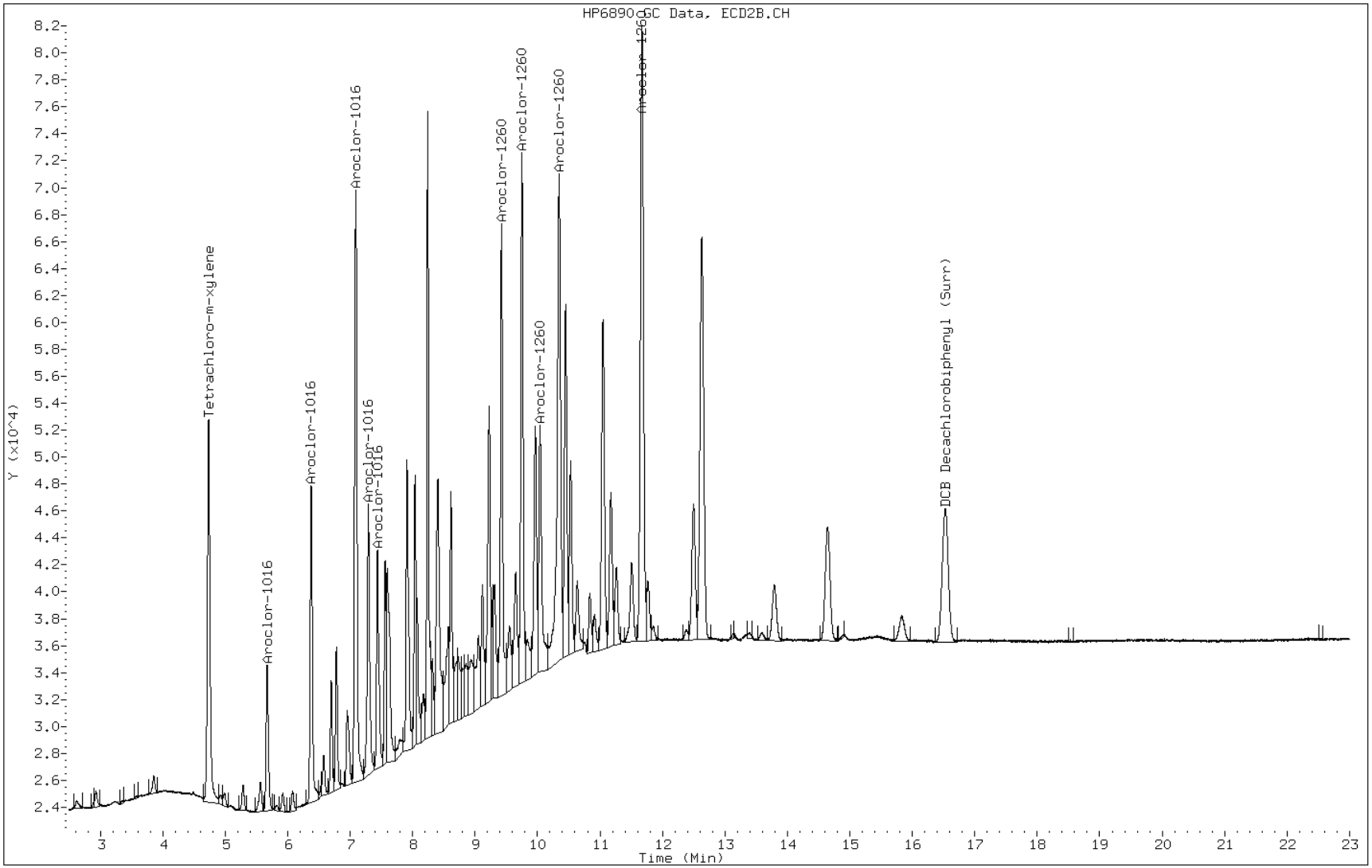
Date: 04-SEP-2012 23:53

Client ID:

Instrument: gc10.i

Sample Info: 09042B8082.b

Operator: 402360



Data File: \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920023.D
Report Date: 10-Sep-2012 10:06

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920023.D
Lab Smp Id: IC-361633
Inj Date : 05-SEP-2012 00:21
Operator : 402360 Inst ID: gc10.i
Smp Info : 09042B8082.b
Misc Info : IC-361633
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\PCBB_LL.m
Meth Date : 10-Sep-2012 10:06 gc10.i Quant Type: ESTD
Cal Date : 04-SEP-2012 23:53 Cal File: T0920022.D
Als bottle: 22 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
4 Aroclor-1016					CAS #: 12674-11-2		
5.669	5.670	-0.001	41798	0.20000	0.20569	0.00- 0.00	0.00(a)
6.375	6.376	-0.001	90343	0.20000	0.20172	100.00- 100.00	0.00
7.090	7.091	-0.001	177862	0.20000	0.19638	223.51- 223.51	0.00
7.292	7.292	0.000	78270	0.20000	0.20018	223.51- 223.51	0.00
7.437	7.437	0.000	63261	0.20000	0.20044	317.56- 317.56	0.00
Average of Peak Amounts =					0.20088		
$ 11 DCB Decachlorobiphenyl (Surr)					CAS #: 2051-24-3		
16.527	16.527	0.000	43177	0.01000	0.010810		
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.732	4.732	0.000	114574	0.01000	0.0097965		
8 Aroclor-1260					CAS #: 11096-82-5		
9.424	9.424	0.000	131929	0.20000	0.19498	0.00- 0.00	0.00(a)
9.749	9.749	0.000	153877	0.20000	0.19707	115.86- 115.86	0.00
10.039	10.039	0.000	70061	0.20000	0.19955	136.91- 136.91	0.00
10.344	10.344	0.000	144202	0.20000	0.19703	140.00- 140.00	0.00
11.669	11.669	0.000	194216	0.20000	0.19986	128.33- 128.33	0.00
Average of Peak Amounts =					0.19770		

Data File: \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920023.D
Report Date: 10-Sep-2012 10:06

QC Flag Legend

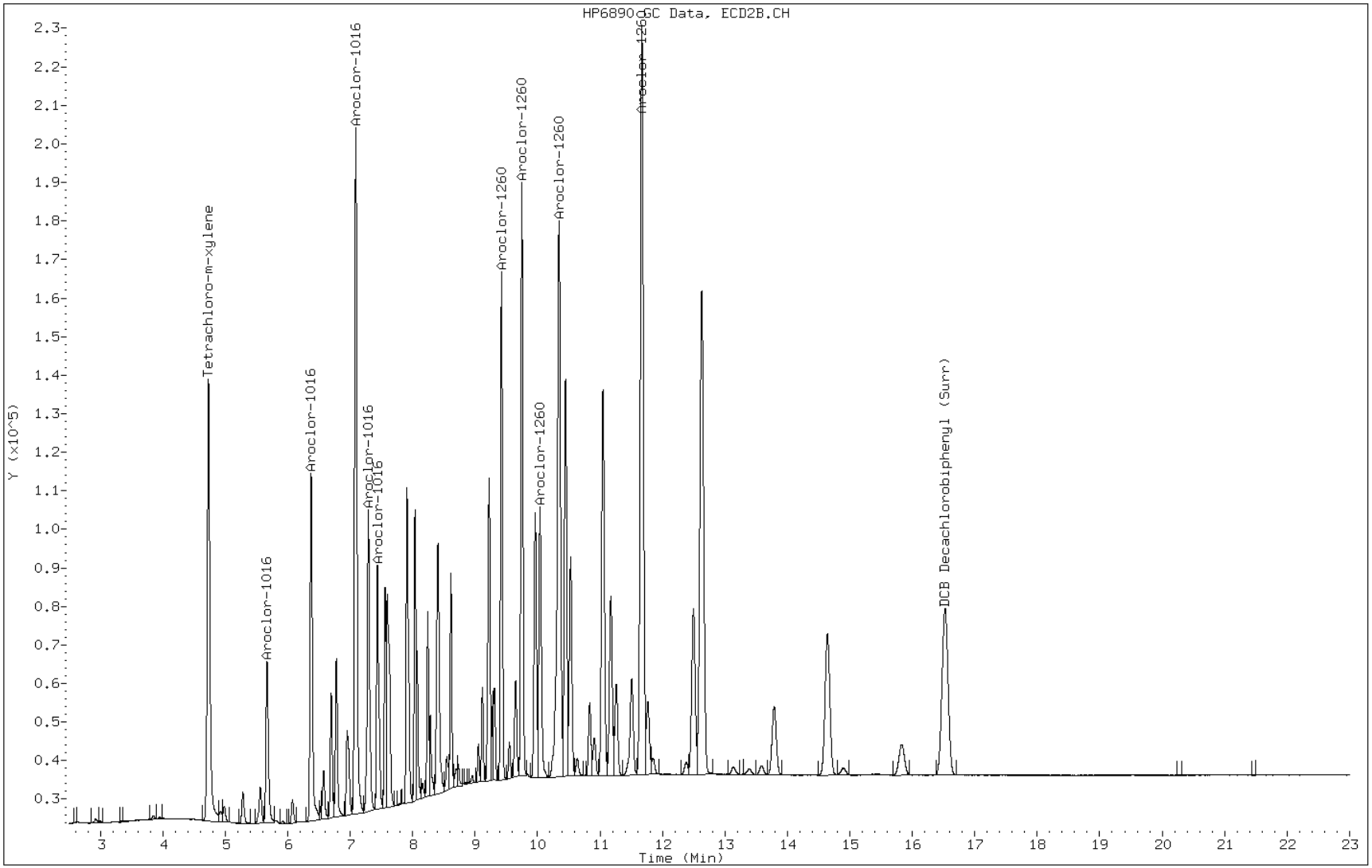
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: T0920023.D

Date: 05-SEP-2012 00:21

Client ID: Instrument: gc10.i

Sample Info: 09042B8082.b Operator: 402360



Data File: \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920024.D
Report Date: 10-Sep-2012 10:06

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920024.D
Lab Smp Id: ICRT-361635
Inj Date : 05-SEP-2012 00:49
Operator : 402360 Inst ID: gc10.i
Smp Info : 09042B8082.b
Misc Info : ICRT-361635
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\PCBB_LL.m
Meth Date : 10-Sep-2012 10:06 gc10.i Quant Type: ESTD
Cal Date : 05-SEP-2012 00:21 Cal File: T0920023.D
Als bottle: 23 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
4 Aroclor-1016					CAS #: 12674-11-2		
5.669	5.670	-0.001	100950	0.50000	0.49678	0.00- 0.00	0.00(a)
6.376	6.376	0.000	221252	0.50000	0.49401	100.00- 100.00	0.00
7.091	7.091	0.000	445521	0.50000	0.49191	223.51- 223.51	0.00
7.292	7.292	0.000	191698	0.50000	0.49029	223.51- 223.51	0.00
7.436	7.437	-0.001	156391	0.50000	0.49553	317.56- 317.56	0.00
			Average of Peak Amounts =		0.49370		
$ 11 DCB Decachlorobiphenyl (Surr)					CAS #: 2051-24-3		
16.528	16.527	0.001	101837	0.02500	0.025498		
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.733	4.732	0.001	291379	0.02500	0.024914		
8 Aroclor-1260					CAS #: 11096-82-5		
9.423	9.424	-0.001	330678	0.50000	0.48870	0.00- 0.00	0.00(a)
9.750	9.749	0.001	385445	0.50000	0.49364	115.86- 115.86	0.00
10.039	10.039	0.000	173327	0.50000	0.49369	136.91- 136.91	0.00
10.344	10.344	0.000	357457	0.50000	0.48841	140.00- 140.00	0.00
11.671	11.669	0.002	483224	0.50000	0.49728	128.33- 128.33	0.00
			Average of Peak Amounts =		0.49234		

Data File: \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920024.D
Report Date: 10-Sep-2012 10:06

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: T0920024.D

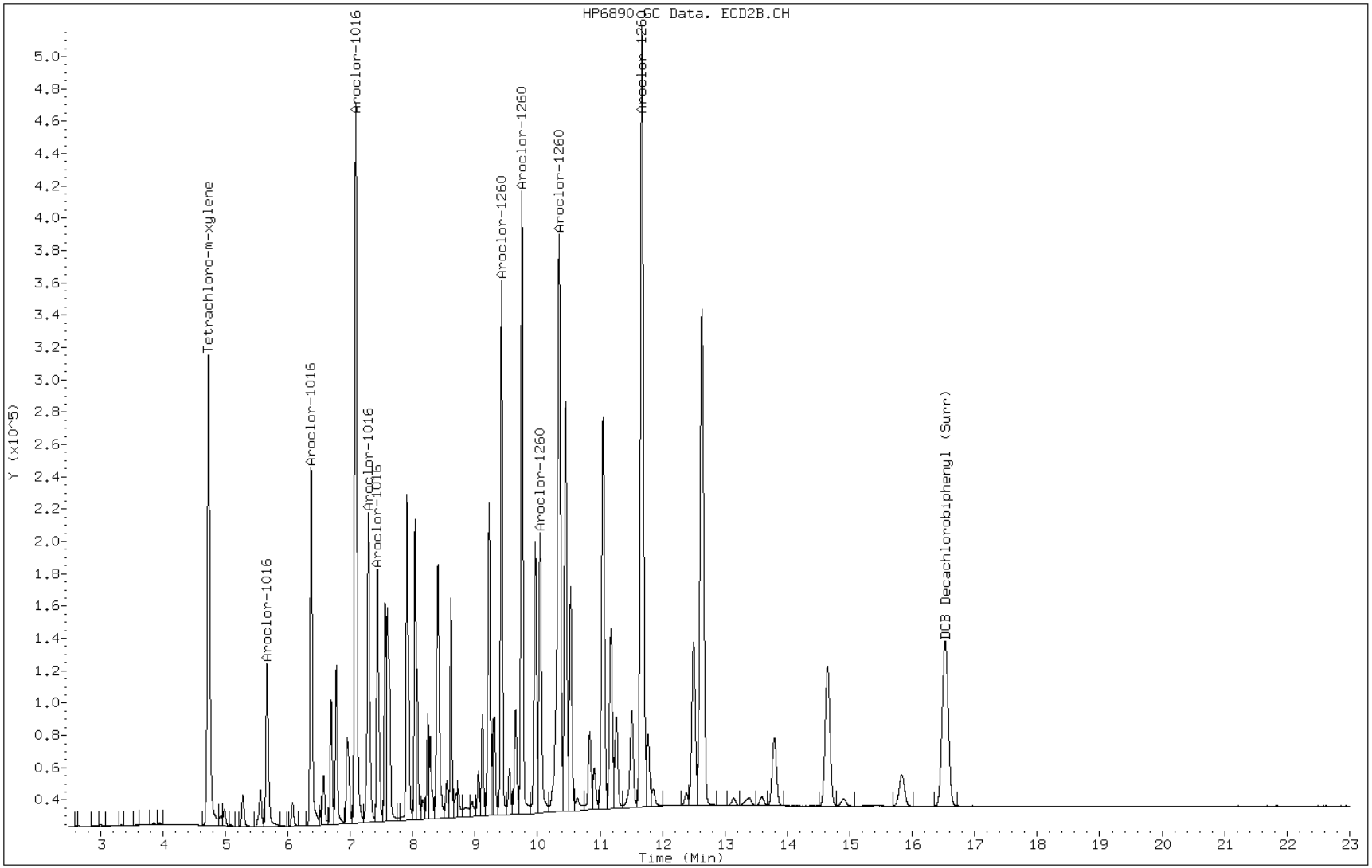
Date: 05-SEP-2012 00:49

Client ID:

Instrument: gc10.i

Sample Info: 09042B8082.b

Operator: 402360



Data File: \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920025.D
Report Date: 10-Sep-2012 10:06

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920025.D
Lab Smp Id: IC-361637
Inj Date : 05-SEP-2012 01:17
Operator : 402360 Inst ID: gc10.i
Smp Info : 09042B8082.b
Misc Info : IC-361637
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\PCBB_LL.m
Meth Date : 10-Sep-2012 10:06 gc10.i Quant Type: ESTD
Cal Date : 05-SEP-2012 00:49 Cal File: T0920024.D
Als bottle: 24 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
4 Aroclor-1016					CAS #: 12674-11-2		
5.669	5.670	-0.001	195844	1.00000	0.96376	0.00- 0.00	0.00(a)
6.374	6.376	-0.002	436404	1.00000	0.97440	100.00- 100.00	0.00
7.089	7.091	-0.002	906001	1.00000	1.0003	223.51- 223.51	0.00
7.291	7.292	-0.001	382640	1.00000	0.97865	223.51- 223.51	0.00
7.436	7.437	-0.001	312896	1.00000	0.99142	317.56- 317.56	0.00
Average of Peak Amounts =					0.98171		
$ 11 DCB Decachlorobiphenyl (Surr)					CAS #: 2051-24-3		
16.521	16.527	-0.006	202057	0.05000	0.050590		
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.732	4.732	0.000	594081	0.05000	0.050796		
8 Aroclor-1260					CAS #: 11096-82-5		
9.422	9.424	-0.002	668595	1.00000	0.98810	0.00- 0.00	0.00(a)
9.749	9.749	0.000	772047	1.00000	0.98875	115.86- 115.86	0.00
10.039	10.039	0.000	346870	1.00000	0.98799	136.91- 136.91	0.00
10.344	10.344	0.000	727395	1.00000	0.99388	140.00- 140.00	0.00
11.669	11.669	0.000	997384	1.00000	1.0264	128.33- 128.33	0.00
Average of Peak Amounts =					0.99702		

Data File: \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920025.D
Report Date: 10-Sep-2012 10:06

QC Flag Legend

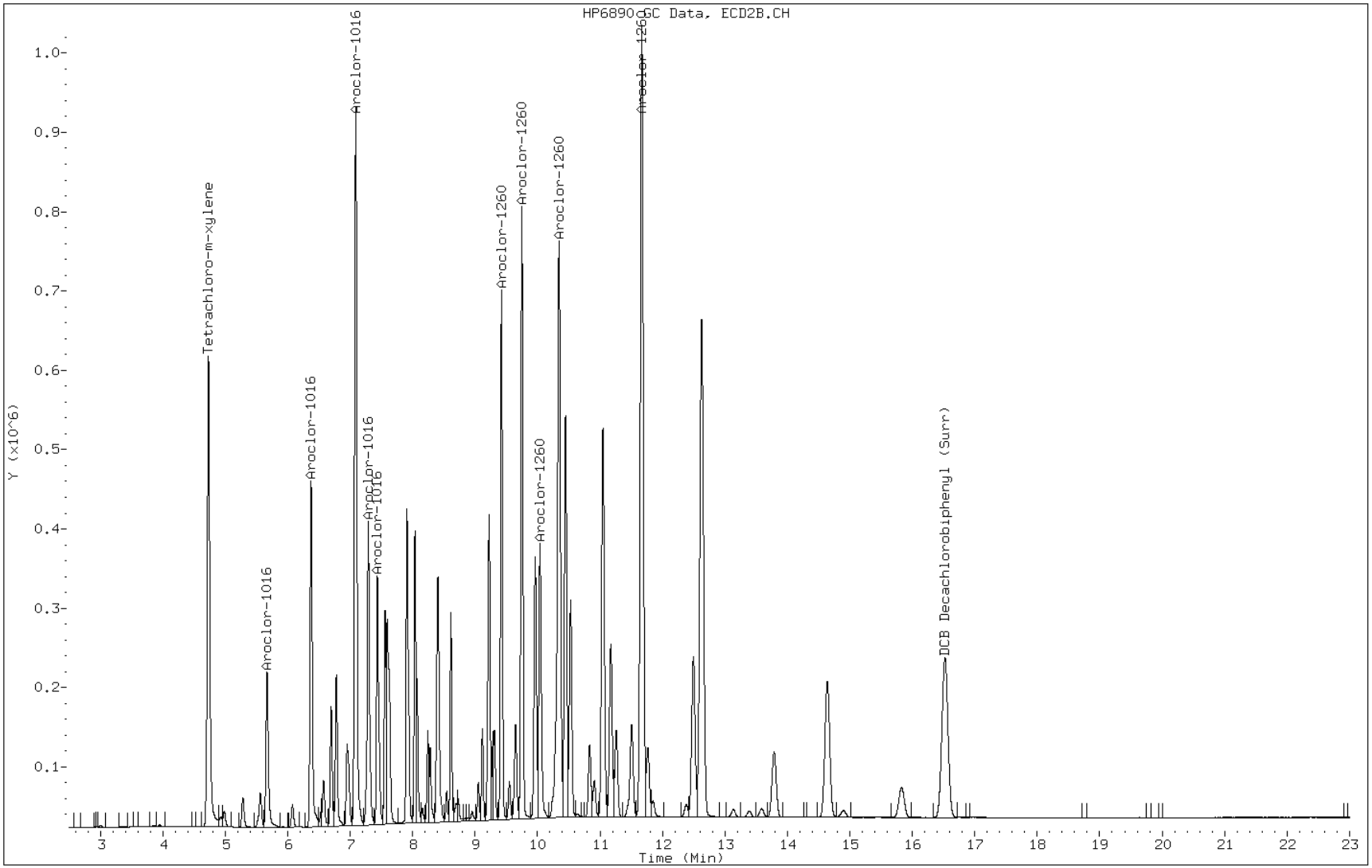
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: T0920025.D

Date: 05-SEP-2012 01:17

Client ID: Instrument: gc10.i

Sample Info: 09042B8082.b Operator: 402360



Data File: \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920026.D
Report Date: 10-Sep-2012 10:06

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920026.D
Lab Smp Id: IC-361638
Inj Date : 05-SEP-2012 01:45
Operator : 402360 Inst ID: gc10.i
Smp Info : 09042B8082.b
Misc Info : IC-361638
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\PCBB_LL.m
Meth Date : 10-Sep-2012 10:06 gc10.i Quant Type: ESTD
Cal Date : 05-SEP-2012 01:17 Cal File: T0920025.D
Als bottle: 25 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
4 Aroclor-1016					CAS #: 12674-11-2		
5.669	5.670	-0.001	382604	2.00000	1.8828	0.00- 0.00	0.00
6.375	6.376	-0.001	858193	2.00000	1.9162	100.00- 100.00	0.00
7.091	7.091	0.000	1822642	2.00000	2.0124	223.51- 223.51	0.00
7.292	7.292	0.000	762655	2.00000	1.9506	223.51- 223.51	0.00
7.437	7.437	0.000	626651	2.00000	1.9856	317.56- 317.56	0.00
Average of Peak Amounts =					1.94952		
$ 11 DCB Decachlorobiphenyl (Surr)					CAS #: 2051-24-3		
16.522	16.527	-0.005	401228	0.10000	0.10046		
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.732	4.732	0.000	1174897	0.10000	0.10046		
8 Aroclor-1260					CAS #: 11096-82-5		
9.424	9.424	0.000	1355484	2.00000	2.0032	0.00- 0.00	0.00
9.749	9.749	0.000	1555606	2.00000	1.9922	115.86- 115.86	0.00
10.039	10.039	0.000	696966	2.00000	1.9852	136.91- 136.91	0.00
10.344	10.344	0.000	1482457	2.00000	2.0256	140.00- 140.00	0.00
11.669	11.669	0.000	2031868	2.00000	2.0910	128.33- 128.33	0.00
Average of Peak Amounts =					2.01944		

Data File: T0920026.D

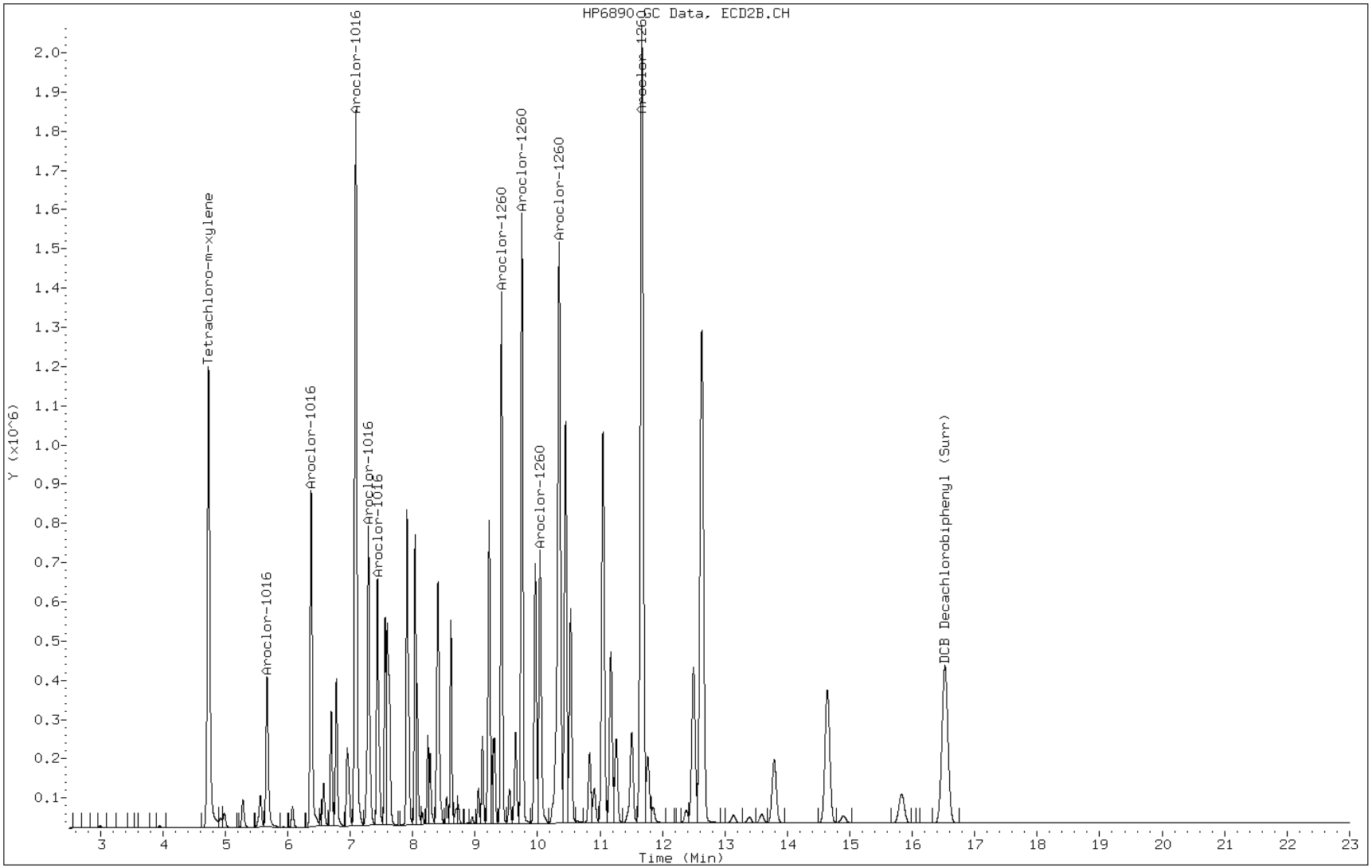
Date: 05-SEP-2012 01:45

Client ID:

Instrument: gc10.i

Sample Info: 09042B8082.b

Operator: 402360



Data File: \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920027.D
Report Date: 10-Sep-2012 10:06

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\T0920027.D
Lab Smp Id: IC-361641
Inj Date : 05-SEP-2012 02:13
Operator : 402360 Inst ID: gc10.i
Smp Info : 09042B8082.b
Misc Info : IC-361641
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\09072B8082LL.b\PCBB_LL.m
Meth Date : 10-Sep-2012 10:06 gc10.i Quant Type: ESTD
Cal Date : 05-SEP-2012 01:45 Cal File: T0920026.D
Als bottle: 26 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
4 Aroclor-1016					CAS #: 12674-11-2		
5.668	5.670	-0.002	713134	4.00000	3.5094	0.00- 0.00	0.00
6.374	6.376	-0.002	1606922	4.00000	3.5879	100.00- 100.00	0.00
7.090	7.091	-0.001	3513015	4.00000	3.8788	223.51- 223.51	0.00
7.291	7.292	-0.001	1440900	4.00000	3.6853	223.51- 223.51	0.00
7.435	7.437	-0.002	1185688	4.00000	3.7569	317.56- 317.56	0.00
Average of Peak Amounts =					3.68366		
$ 11 DCB Decachlorobiphenyl (Surr)					CAS #: 2051-24-3		
16.525	16.527	-0.002	744241	0.20000	0.18634		
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.732	4.732	0.000	2241588	0.20000	0.19166		
8 Aroclor-1260					CAS #: 11096-82-5		
9.423	9.424	-0.001	2600100	4.00000	3.8426	0.00- 0.00	0.00
9.749	9.749	0.000	3005346	4.00000	3.8489	115.86- 115.86	0.00
10.038	10.039	-0.001	1326701	4.00000	3.7788	136.91- 136.91	0.00
10.344	10.344	0.000	2838322	4.00000	3.8781	140.00- 140.00	0.00
11.669	11.669	0.000	3922091	4.00000	4.0362	128.33- 128.33	0.00
Average of Peak Amounts =					3.87692		

Data File: T0920027.D

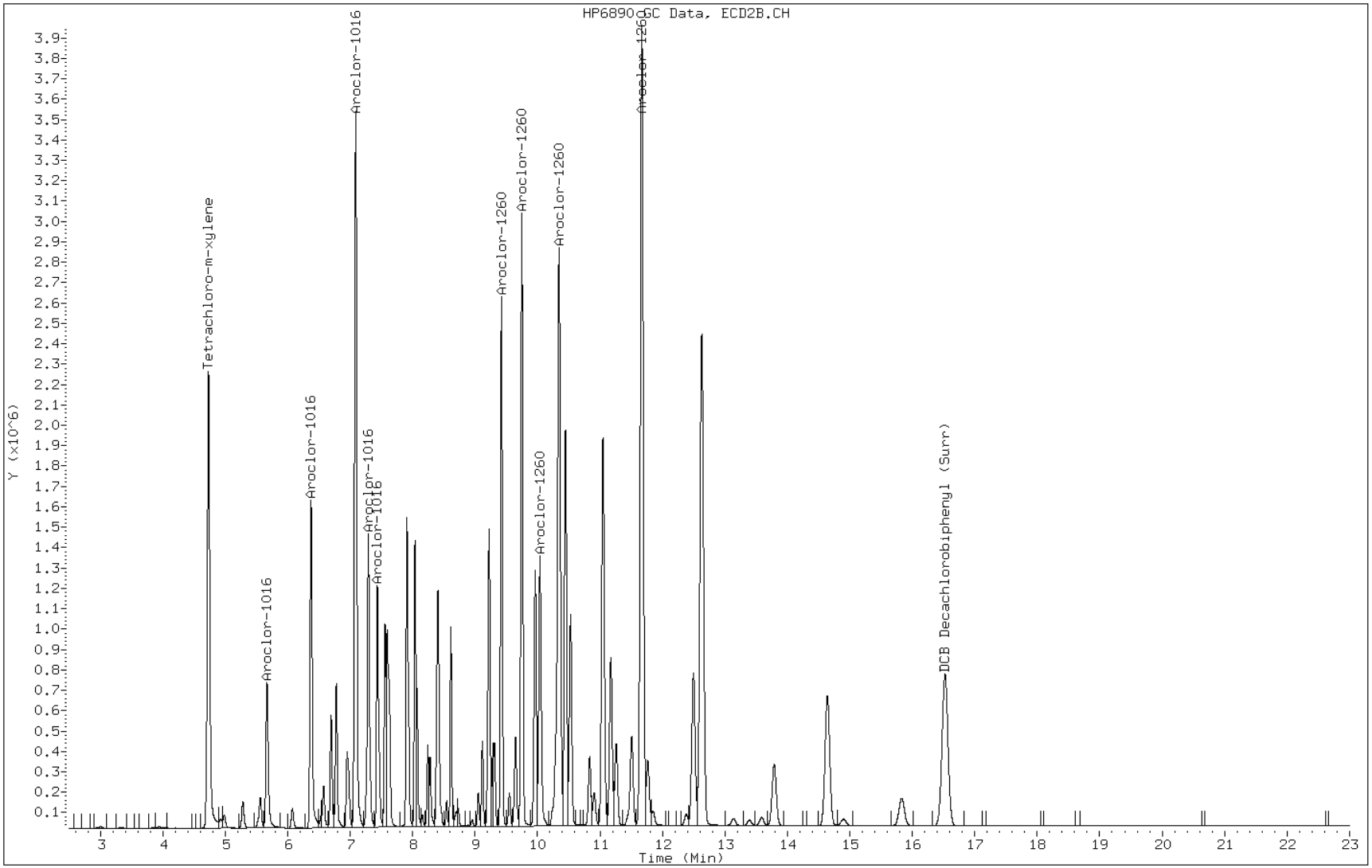
Date: 05-SEP-2012 02:13

Client ID:

Instrument: gc10.i

Sample Info: 09042B8082.b

Operator: 402360



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: CCV 180-50487/7 Calibration Date: 09/30/2012 17:18

Instrument ID: GC10 Calib Start Date: 09/04/2012 23:24

GC Column: RTX-1701 ID: 0.53(mm) Calib End Date: 09/05/2012 02:13

Lab File ID: T0921006.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	203209	175916		0.866	1.00	-13.4	15.0
PCB-1016 Peak 2	Ave	447870	388166		0.867	1.00	-13.3	15.0
PCB-1016 Peak 3	Ave	905698	820836		0.906	1.00	-9.4	15.0
PCB-1016 Peak 4	Ave	390988	348987		0.893	1.00	-10.7	15.0
PCB-1016 Peak 5	Ave	315604	281135		0.891	1.00	-10.9	15.0
PCB-1260 Peak 1	Ave	676643	621396		0.918	1.00	-8.2	15.0
PCB-1260 Peak 2	Ave	780829	727104		0.931	1.00	-6.9	15.0
PCB-1260 Peak 3	Ave	351087	322358		0.918	1.00	-8.2	15.0
PCB-1260 Peak 4	Ave	731875	666605		0.911	1.00	-8.9	15.0
PCB-1260 Peak 5	Ave	971733	898823		0.925	1.00	-7.5	15.0
Tetrachloro-m-xylene	Ave	11695413	10258940		0.0439	0.0500	-12.3	15.0
DCB Decachlorobiphenyl (Surr)	Ave	3993972	3384700		0.0424	0.0500	-15.3*	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: CCV 180-50487/7 Calibration Date: 09/30/2012 17:18

Instrument ID: GC10 Calib Start Date: 09/04/2012 23:24

GC Column: RTX-1701 ID: 0.53(mm) Calib End Date: 09/05/2012 02:13

Lab File ID: T0921006.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	5.61	5.56	5.66
PCB-1016 Peak 2	6.32	6.27	6.37
PCB-1016 Peak 3	7.04	6.99	7.09
PCB-1016 Peak 4	7.24	7.19	7.29
PCB-1016 Peak 5	7.39	7.33	7.43
PCB-1260 Peak 1	9.37	9.31	9.41
PCB-1260 Peak 2	9.69	9.63	9.73
PCB-1260 Peak 3	9.97	9.92	10.02
PCB-1260 Peak 4	10.27	10.22	10.32
PCB-1260 Peak 5	11.58	11.52	11.62
Tetrachloro-m-xylene	4.69	4.63	4.73
DCB Decachlorobiphenyl (Surr)	16.35	16.26	16.40

Data File: \\pitsvr06\d\chem\gc10.i\10012B8082LL.b\T0921006.D
Report Date: 02-Oct-2012 08:01

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\10012B8082LL.b\T0921006.D
Lab Smp Id: CCV-576171
Inj Date : 30-SEP-2012 17:18
Operator : 402360 Inst ID: gc10.i
Smp Info : 09302B8082.b
Misc Info : CCV-576171
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\10012B8082LL.b\PCBB_LL.m
Meth Date : 02-Oct-2012 08:01 gc10.i Quant Type: ESTD
Cal Date : 05-SEP-2012 02:13 Cal File: T0920027.D
Als bottle: 30 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
4 Aroclor-1016					CAS #: 12674-11-2		
5.614	5.614	0.000	175916	1.00000	0.86569	0.00- 0.00	0.00(a)
6.321	6.321	0.000	388166	1.00000	0.86669	100.00- 100.00	0.00
7.042	7.042	0.000	820836	1.00000	0.90630	223.51- 223.51	0.00
7.242	7.242	0.000	348987	1.00000	0.89258	223.51- 223.51	0.00
7.387	7.387	0.000	281135	1.00000	0.89078	317.56- 317.56	0.00
Average of Peak Amounts =					0.88441		
$ 11 DCB Decachlorobiphenyl (Surr)					CAS #: 2051-24-3		
16.345	16.345	0.000	169235	0.05000	0.042373		
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.685	4.685	0.000	512947	0.05000	0.043859		
8 Aroclor-1260					CAS #: 11096-82-5		
9.366	9.366	0.000	621396	1.00000	0.91835	0.00- 0.00	0.00(a)
9.688	9.688	0.000	727104	1.00000	0.93120	115.86- 115.86	0.00
9.972	9.972	0.000	322358	1.00000	0.91817	136.91- 136.91	0.00
10.272	10.272	0.000	666605	1.00000	0.91082	140.00- 140.00	0.00
11.577	11.577	0.000	898823	1.00000	0.92497	128.33- 128.33	0.00
Average of Peak Amounts =					0.92070		

Data File: \\pitsvr06\d\chem\gc10.i\10012B8082LL.b\T0921006.D
Report Date: 02-Oct-2012 08:01

QC Flag Legend

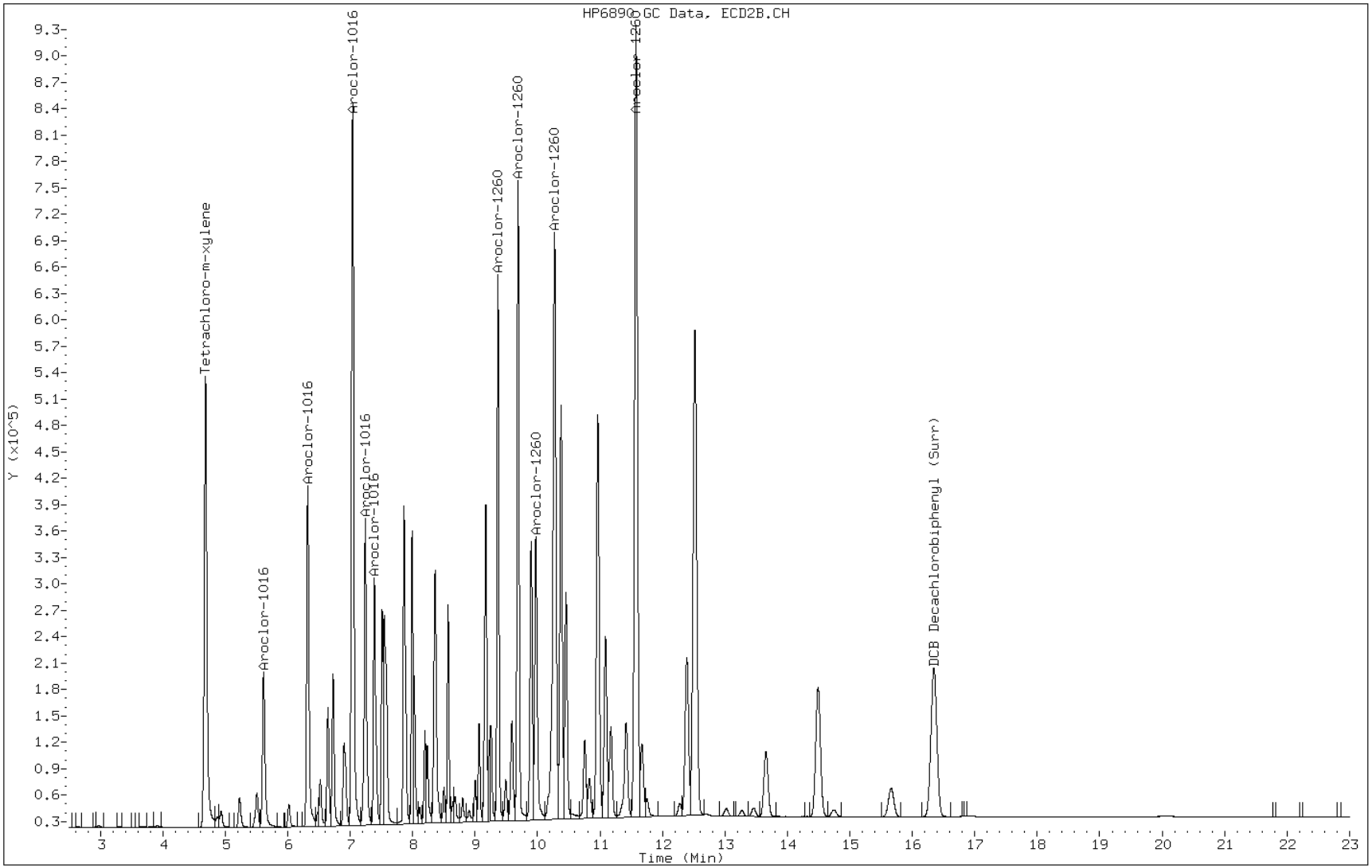
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: T0921006.D

Date: 30-SEP-2012 17:18

Client ID: Instrument: gc10.i

Sample Info: 09302B8082.b Operator: 402360



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: CCVRT 180-50487/8 Calibration Date: 10/01/2012 22:15

Instrument ID: GC10 Calib Start Date: 09/04/2012 23:24

GC Column: RTX-1701 ID: 0.53(mm) Calib End Date: 09/05/2012 02:13

Lab File ID: T0921079.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	203209	211948		0.522	0.500	4.3	15.0
PCB-1016 Peak 2	Ave	447870	457708		0.511	0.500	2.2	15.0
PCB-1016 Peak 3	Ave	905698	941268		0.520	0.500	3.9	15.0
PCB-1016 Peak 4	Ave	390988	399592		0.511	0.500	2.2	15.0
PCB-1016 Peak 5	Ave	315604	324114		0.513	0.500	2.7	15.0
PCB-1260 Peak 1	Ave	676643	705562		0.521	0.500	4.3	15.0
PCB-1260 Peak 2	Ave	780829	814946		0.522	0.500	4.4	15.0
PCB-1260 Peak 3	Ave	351087	362558		0.516	0.500	3.3	15.0
PCB-1260 Peak 4	Ave	731875	759242		0.519	0.500	3.7	15.0
PCB-1260 Peak 5	Ave	971733	1007038		0.518	0.500	3.6	15.0
Tetrachloro-m-xylene	Ave	11695413	12278240		0.0262	0.0250	5.0	15.0
DCB Decachlorobiphenyl (Surr)	Ave	3993972	3961760		0.0248	0.0250	-0.8	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: CCVRT 180-50487/8 Calibration Date: 10/01/2012 22:15

Instrument ID: GC10 Calib Start Date: 09/04/2012 23:24

GC Column: RTX-1701 ID: 0.53(mm) Calib End Date: 09/05/2012 02:13

Lab File ID: T0921079.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	5.61	5.56	5.66
PCB-1016 Peak 2	6.32	6.27	6.37
PCB-1016 Peak 3	7.04	6.99	7.09
PCB-1016 Peak 4	7.24	7.19	7.29
PCB-1016 Peak 5	7.38	7.33	7.43
PCB-1260 Peak 1	9.36	9.31	9.41
PCB-1260 Peak 2	9.68	9.63	9.73
PCB-1260 Peak 3	9.97	9.92	10.02
PCB-1260 Peak 4	10.27	10.22	10.32
PCB-1260 Peak 5	11.57	11.52	11.62
Tetrachloro-m-xylene	4.68	4.63	4.73
DCB Decachlorobiphenyl (Surr)	16.33	16.26	16.40

Data File: \\pitsvr06\d\chem\gc10.i\10012B8082LL.b\T0921079.D
Report Date: 02-Oct-2012 08:01

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\10012B8082LL.b\T0921079.D
Lab Smp Id: CCVRT-576169
Inj Date : 01-OCT-2012 22:15
Operator : 402360 Inst ID: gc10.i
Smp Info : 10012B8082.b
Misc Info : CCVRT-576169
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\10012B8082LL.b\PCBB_LL.m
Meth Date : 02-Oct-2012 08:01 gc10.i Quant Type: ESTD
Cal Date : 05-SEP-2012 02:13 Cal File: T0920027.D
Als bottle: 20 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
4 Aroclor-1016					CAS #: 12674-11-2		
5.609	5.609	0.000	105974	0.50000	0.52150	0.00- 0.00	0.00(a)
6.316	6.316	0.000	228854	0.50000	0.51098	100.00- 100.00	0.00
7.037	7.037	0.000	470634	0.50000	0.51964	223.51- 223.51	0.00
7.238	7.238	0.000	199796	0.50000	0.51100	223.51- 223.51	0.00
7.383	7.383	0.000	162057	0.50000	0.51348	317.56- 317.56	0.00
Average of Peak Amounts =					0.51532		
$ 11 DCB Decachlorobiphenyl (Surr)					CAS #: 2051-24-3		
16.331	16.331	0.000	99044	0.02500	0.024798		
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.680	4.680	0.000	306956	0.02500	0.026246		
8 Aroclor-1260					CAS #: 11096-82-5		
9.362	9.362	0.000	352781	0.50000	0.52137	0.00- 0.00	0.00(a)
9.683	9.683	0.000	407473	0.50000	0.52185	115.86- 115.86	0.00
9.968	9.968	0.000	181279	0.50000	0.51634	136.91- 136.91	0.00
10.268	10.268	0.000	379621	0.50000	0.51870	140.00- 140.00	0.00
11.570	11.570	0.000	503519	0.50000	0.51817	128.33- 128.33	0.00
Average of Peak Amounts =					0.51929		

Data File: \\pitsvr06\d\chem\gc10.i\10012B8082LL.b\T0921079.D
Report Date: 02-Oct-2012 08:01

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: T0921079.D

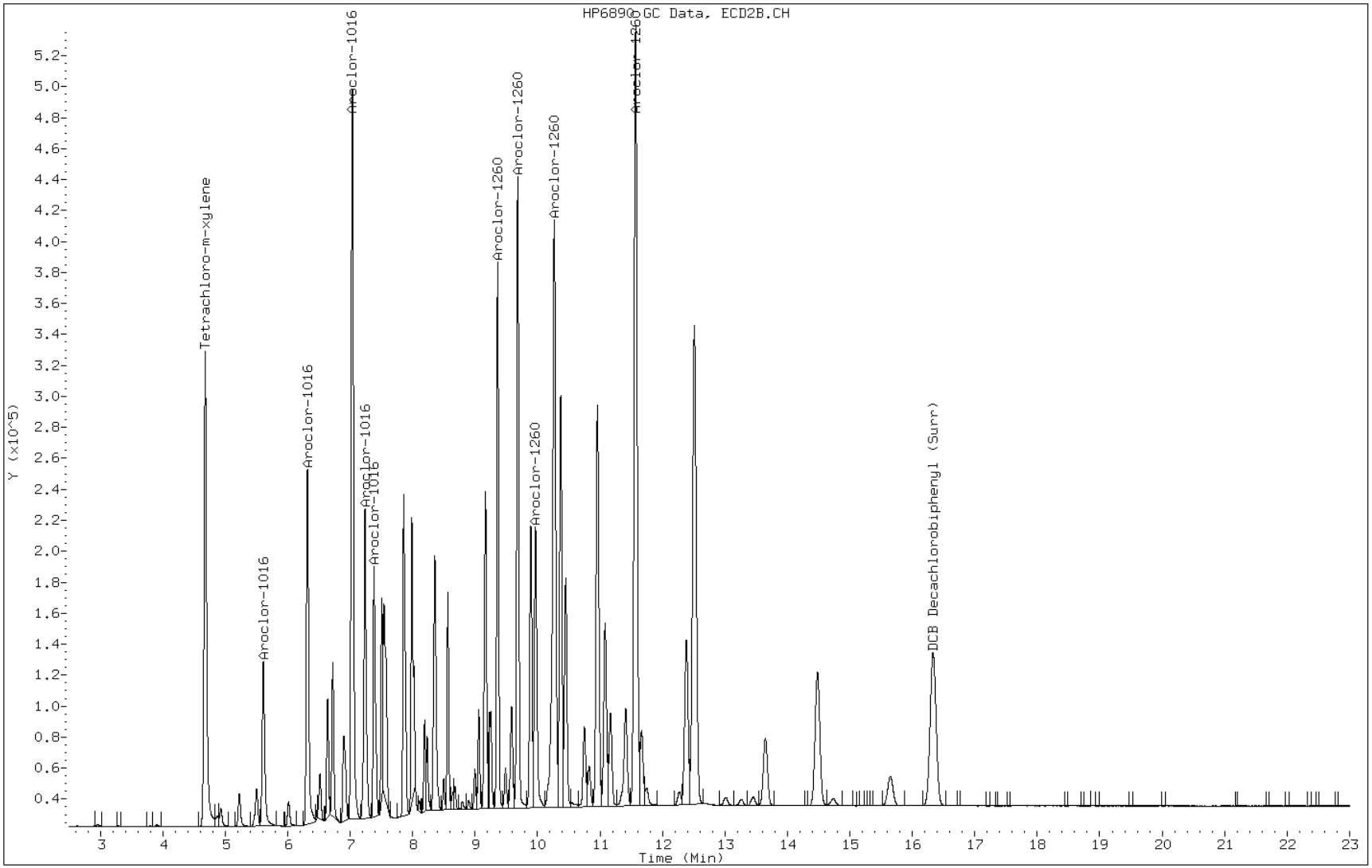
Date: 01-OCT-2012 22:15

Client ID:

Instrument: gc10.i

Sample Info: 10012B8082.b

Operator: 402360



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: CCV 180-50487/25 Calibration Date: 10/02/2012 06:11

Instrument ID: GC10 Calib Start Date: 09/04/2012 23:24

GC Column: RTX-1701 ID: 0.53(mm) Calib End Date: 09/05/2012 02:13

Lab File ID: T0921096.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	203209	230198		0.566	0.500	13.3	15.0
PCB-1016 Peak 2	Ave	447870	488262		0.545	0.500	9.0	15.0
PCB-1016 Peak 3	Ave	905698	995864		0.550	0.500	10.0	15.0
PCB-1016 Peak 4	Ave	390988	426704		0.546	0.500	9.1	15.0
PCB-1016 Peak 5	Ave	315604	344898		0.546	0.500	9.3	15.0
PCB-1260 Peak 1	Ave	676643	733880		0.542	0.500	8.5	15.0
PCB-1260 Peak 2	Ave	780829	850980		0.545	0.500	9.0	15.0
PCB-1260 Peak 3	Ave	351087	375674		0.535	0.500	7.0	15.0
PCB-1260 Peak 4	Ave	731875	787542		0.538	0.500	7.6	15.0
PCB-1260 Peak 5	Ave	971733	1056094		0.543	0.500	8.7	15.0
Tetrachloro-m-xylene	Ave	11695413	13178280		0.0282	0.0250	12.7	15.0
DCB Decachlorobiphenyl (Surr)	Ave	3993972	4034440		0.0253	0.0250	1.0	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: CCV 180-50487/25 Calibration Date: 10/02/2012 06:11

Instrument ID: GC10 Calib Start Date: 09/04/2012 23:24

GC Column: RTX-1701 ID: 0.53(mm) Calib End Date: 09/05/2012 02:13

Lab File ID: T0921096.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	5.61	5.56	5.66
PCB-1016 Peak 2	6.32	6.27	6.37
PCB-1016 Peak 3	7.04	6.99	7.09
PCB-1016 Peak 4	7.24	7.19	7.29
PCB-1016 Peak 5	7.38	7.33	7.43
PCB-1260 Peak 1	9.36	9.31	9.41
PCB-1260 Peak 2	9.68	9.63	9.73
PCB-1260 Peak 3	9.97	9.92	10.02
PCB-1260 Peak 4	10.27	10.22	10.32
PCB-1260 Peak 5	11.57	11.52	11.62
Tetrachloro-m-xylene	4.68	4.63	4.73
DCB Decachlorobiphenyl (Surr)	16.33	16.26	16.40

Data File: \\pitsvr06\d\chem\gc10.i\10012B8082LL.b\T0921096.D
Report Date: 02-Oct-2012 08:10

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\10012B8082LL.b\T0921096.D
Lab Smp Id: CCV-576169
Inj Date : 02-OCT-2012 06:11
Operator : 402360 Inst ID: gc10.i
Smp Info : 10012A8082LL.b
Misc Info : CCV-576169
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\10012B8082LL.b\PCBB_LL.m
Meth Date : 02-Oct-2012 08:10 guptaa Quant Type: ESTD
Cal Date : 05-SEP-2012 02:13 Cal File: T0920027.D
Als bottle: 50 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
4 Aroclor-1016					CAS #: 12674-11-2		
5.611	5.611	0.000	115099	0.50000	0.56641	0.00- 0.00	0.00(a)
6.316	6.316	0.000	244131	0.50000	0.54509	100.00- 100.00	0.00
7.036	7.036	0.000	497932	0.50000	0.54978	223.51- 223.51	0.00
7.238	7.238	0.000	213352	0.50000	0.54567	223.51- 223.51	0.00
7.383	7.383	0.000	172449	0.50000	0.54641	317.56- 317.56	0.00
Average of Peak Amounts =					0.55067		
$ 11 DCB Decachlorobiphenyl (Surr)					CAS #: 2051-24-3		
16.331	16.331	0.000	100861	0.02500	0.025253		
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.681	4.681	0.000	329457	0.02500	0.028170		
8 Aroclor-1260					CAS #: 11096-82-5		
9.361	9.361	0.000	366940	0.50000	0.54229	0.00- 0.00	0.00(a)
9.683	9.683	0.000	425490	0.50000	0.54492	115.86- 115.86	0.00
9.968	9.968	0.000	187837	0.50000	0.53502	136.91- 136.91	0.00
10.267	10.267	0.000	393771	0.50000	0.53803	140.00- 140.00	0.00
11.570	11.570	0.000	528047	0.50000	0.54341	128.33- 128.33	0.00
Average of Peak Amounts =					0.54073		

Data File: \\pitsvr06\d\chem\gc10.i\10012B8082LL.b\T0921096.D
Report Date: 02-Oct-2012 08:10

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: T0921096.D

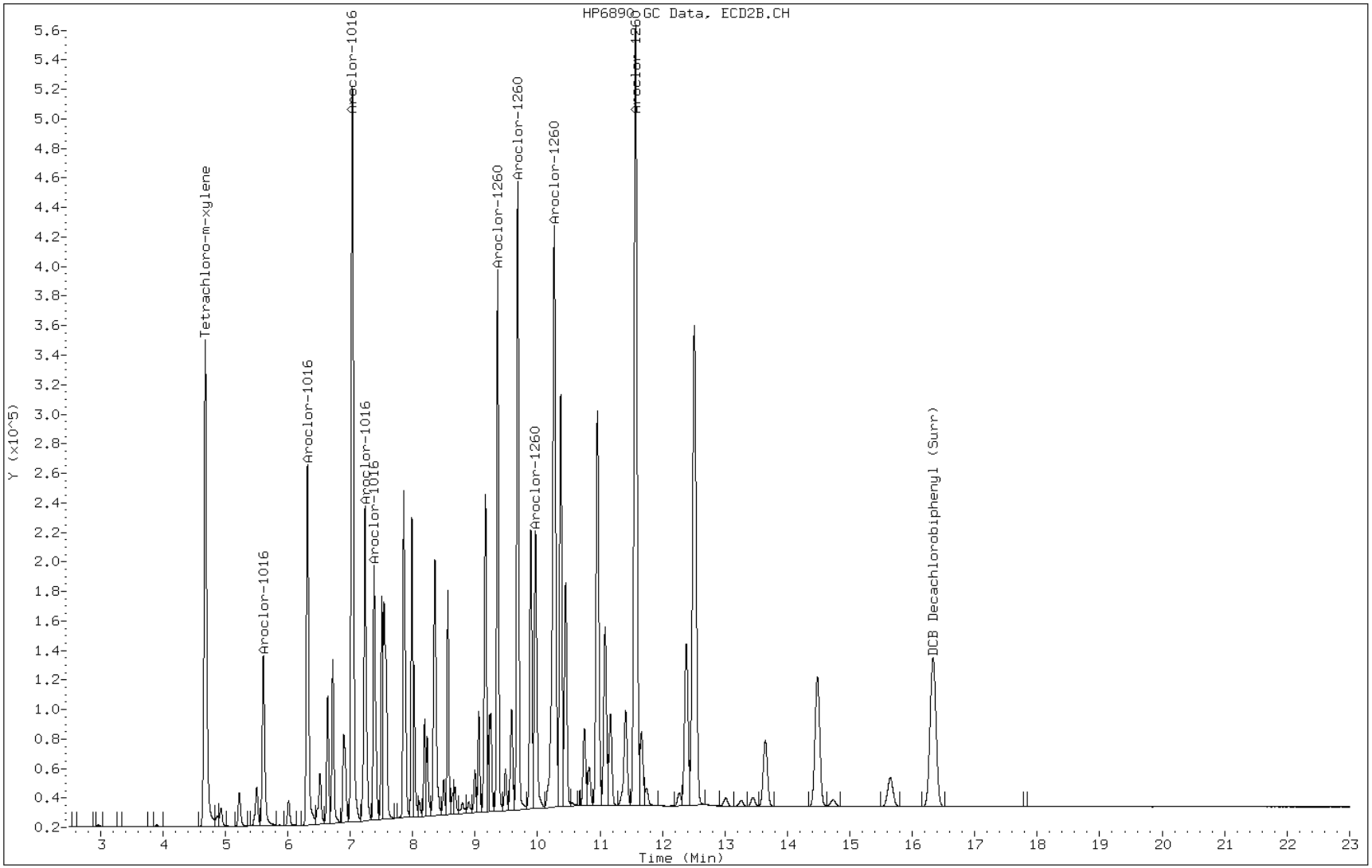
Date: 02-OCT-2012 06:11

Client ID:

Instrument: gc10.i

Sample Info: 10012A8082LL.b

Operator: 402360



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 180-50153/1-A
Matrix: Water
Lab File ID: T0921093.D
Analysis Method: 8082
Date Collected:
Extraction Method: 3510C
Date Extracted: 09/28/2012 13:45
Sample wt/vol: 1000(mL)
Date Analyzed: 10/02/2012 04:47
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-1701 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 50487
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.010	0.0025
11104-28-2	PCB-1221	ND		0.010	0.0025
11141-16-5	PCB-1232	ND		0.010	0.0029
53469-21-9	PCB-1242	ND		0.010	0.0019
12672-29-6	PCB-1248	ND		0.010	0.0023
11097-69-1	PCB-1254	ND		0.010	0.0023
11096-82-5	PCB-1260	ND		0.010	0.0014

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	74		50-140
877-09-8	Tetrachloro-m-xylene	77		47-150

Data File: \\pitsvr06\d\chem\gc10.i\10012B8082LL.b\T0921093.D
Report Date: 02-Oct-2012 08:10

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\10012B8082LL.b\T0921093.D
Lab Smp Id: MB 180-50153/1-A
Inj Date : 02-OCT-2012 04:47
Operator : 402360 Inst ID: gc10.i
Smp Info : 10012A8082LL.b
Misc Info : MB 180-50153/1-A
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\10012B8082LL.b\PCBB_LL.m
Meth Date : 02-Oct-2012 08:10 guptaa Quant Type: ESTD
Cal Date : 05-SEP-2012 02:13 Cal File: T0920027.D
Als bottle: 47
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PCB.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene						CAS #: 877-09-8	
4.681	4.681	0.000	181038	0.01548	0.61918		
$ 11 DCB Decachlorobiphenyl (Surr)						CAS #: 2051-24-3	
16.333	16.331	0.002	59270	0.01484	0.59359		
1 Aroclor-1221						CAS #: 11104-28-2	

Peaks not detected for Quant. or Qual. signal(s).

4 Aroclor-1016 CAS #: 12674-11-2

Peaks not detected for Quant. or Qual. signal(s).

Data File: \\pitsvr06\d\chem\gc10.i\10012B8082LL.b\T0921093.D
Report Date: 02-Oct-2012 08:10

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO

3 Aroclor-1232 CAS #: 11141-16-5

Operator disabled compound identification.

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6 Aroclor-1248 CAS #: 12672-29-6

Operator disabled compound identification.

---

5 Aroclor-1242 CAS #: 53469-21-9

Peaks not detected for Quant. or Qual. signal(s).

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7 Aroclor-1254 CAS #: 11097-69-1

Peaks not detected for Quant. or Qual. signal(s).

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9 Aroclor-1262 CAS #: 37324-23-5

Peaks not detected for Quant. or Qual. signal(s).

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8 Aroclor-1260 CAS #: 11096-82-5

Peaks not detected for Quant. or Qual. signal(s).

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10 Aroclor-1268 CAS #: 11100-14-4

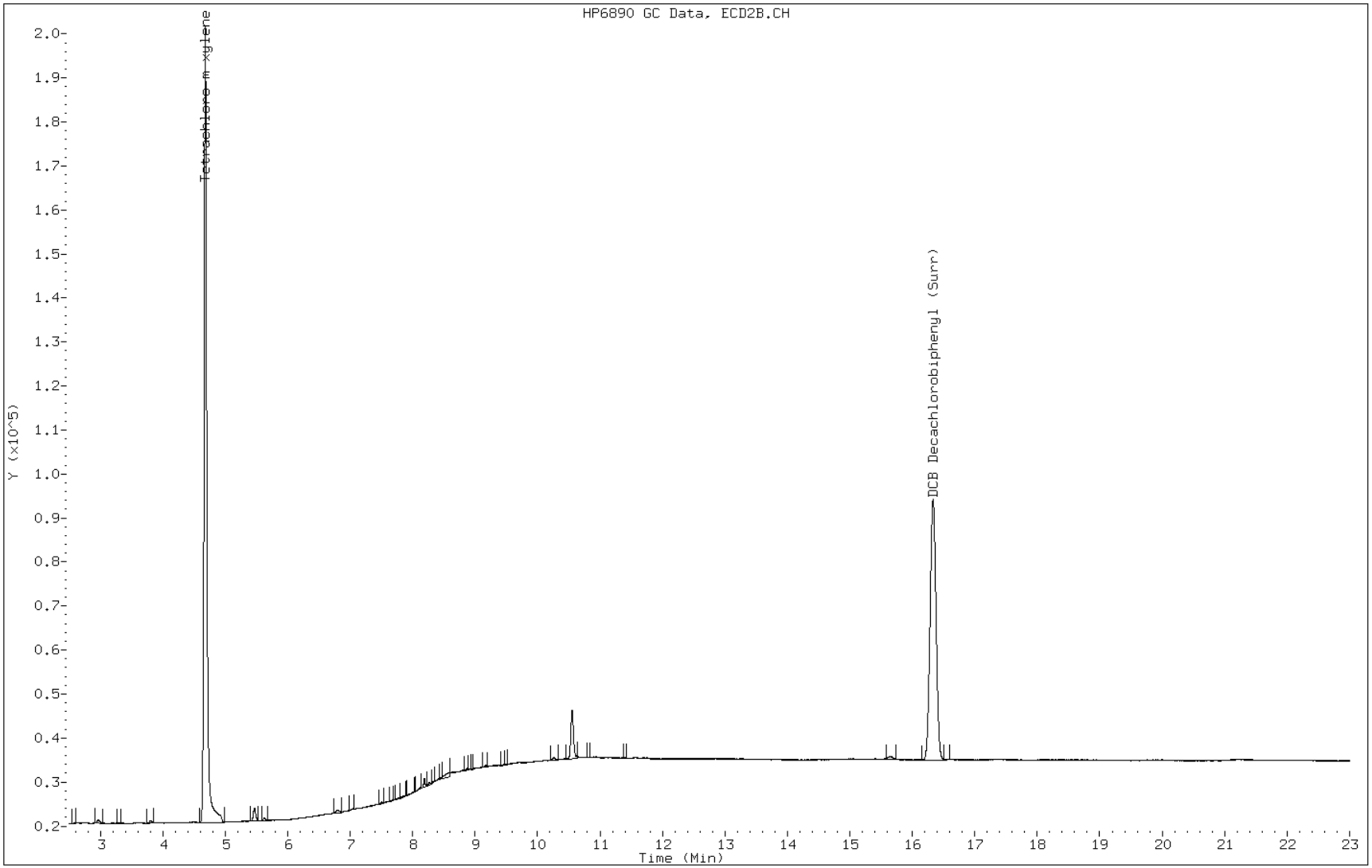
Peaks not detected for Quant. or Qual. signal(s).

Data File: T0921093.D

Date: 02-OCT-2012 04:47

Client ID: Instrument: gc10.i

Sample Info: 10012A8082LL.b Operator: 402360



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 180-50153/4-A
Matrix: Water
Lab File ID: T0921094.D
Analysis Method: 8082
Date Collected:
Extraction Method: 3510C
Date Extracted: 09/28/2012 13:45
Sample wt/vol: 1000(mL)
Date Analyzed: 10/02/2012 05:15
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-1701 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 50487
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.765		0.010	0.0025
11104-28-2	PCB-1221	ND		0.010	0.0025
11141-16-5	PCB-1232	ND		0.010	0.0029
53469-21-9	PCB-1242	ND		0.010	0.0019
12672-29-6	PCB-1248	ND		0.010	0.0023
11097-69-1	PCB-1254	ND		0.010	0.0023
11096-82-5	PCB-1260	0.765		0.010	0.0014

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	80		50-140
877-09-8	Tetrachloro-m-xylene	82		47-150

Data File: \\pitsvr06\d\chem\gc10.i\10012B8082LL.b\T0921094.D
Report Date: 02-Oct-2012 08:10

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\10012B8082LL.b\T0921094.D
Lab Smp Id: LCS 180-50153/4-A
Inj Date : 02-OCT-2012 05:15
Operator : 402360 Inst ID: gc10.i
Smp Info : 10012A8082LL.b
Misc Info : LCS 180-50153/4-A
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\10012B8082LL.b\PCBB_LL.m
Meth Date : 02-Oct-2012 08:10 guptaa Quant Type: ESTD
Cal Date : 05-SEP-2012 02:13 Cal File: T0920027.D
Als bottle: 48
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PCB.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene						CAS #: 877-09-8	
4.683	4.681	0.002	192421	0.01645	0.65811		
$ 11 DCB Decachlorobiphenyl (Surr)						CAS #: 2051-24-3	
16.329	16.331	-0.002	64110	0.01605	0.64207		
1 Aroclor-1221						CAS #: 11104-28-2	
Operator disabled compound identification.							
4 Aroclor-1016						CAS #: 12674-11-2	
5.610	5.611	-0.001	156226	0.76880	30.752	0.00- 0.00	0.00
6.318	6.316	0.002	339290	0.75756	30.302	100.00- 100.00	0.00
7.037	7.036	0.001	695604	0.76803	30.721	223.51- 223.51	0.00
7.239	7.238	0.001	298777	0.76416	30.566	223.51- 223.51	0.00
7.384	7.383	0.001	242415	0.76810	30.724	317.56- 317.56	0.00
			Average of Peak Concentrations =		30.613		

Data File: \\pitsvr06\d\chem\gc10.i\10012B8082LL.b\T0921094.D
Report Date: 02-Oct-2012 08:10

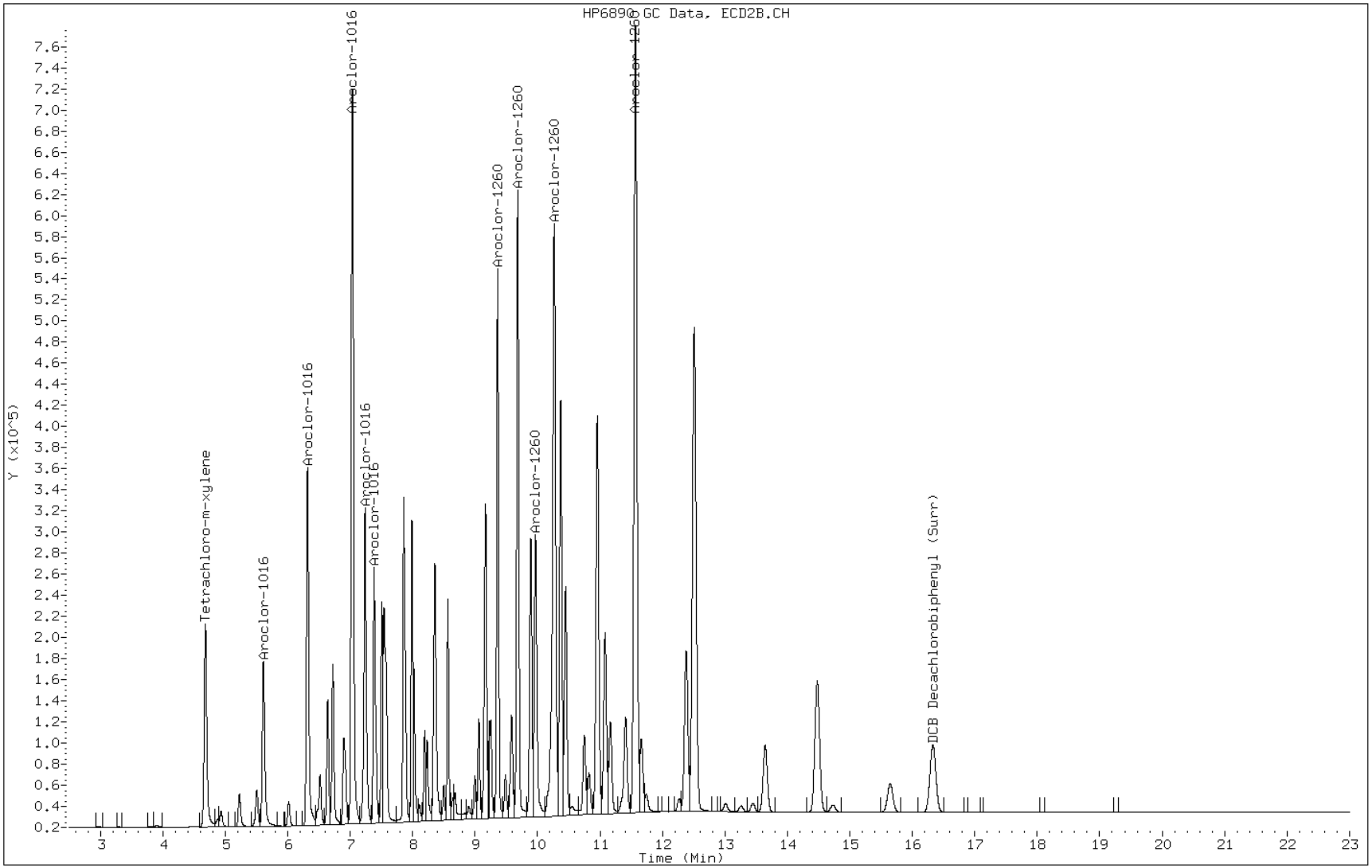
```
                                        CONCENTRATIONS
                                        ON-COL    FINAL
  RT   EXP RT   DLT RT         RESPONSE (   ng)  ( ug/L)   TARGET RANGE    RATIO
 ==== ======== ========        ======== =======  =======   ============    =====

    3 Aroclor-1232                                CAS #: 11141-16-5

Operator disabled compound identification.
-------------------------------------------------------------------------------
    6 Aroclor-1248                                CAS #: 12672-29-6

Operator disabled compound identification.
-------------------------------------------------------------------------------
    5 Aroclor-1242                                CAS #: 53469-21-9

Operator disabled compound identification.
-------------------------------------------------------------------------------
    7 Aroclor-1254                                CAS #: 11097-69-1

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
    9 Aroclor-1262                                CAS #: 37324-23-5

Operator disabled compound identification.
-------------------------------------------------------------------------------
    8 Aroclor-1260                                CAS #: 11096-82-5
9.361    9.361    0.000          520358 0.76903   30.761   0.00-   0.00     0.00
9.683    9.683    0.000          594404 0.76125   30.450 115.86- 115.86     0.00
9.967    9.968   -0.001          267133 0.76087   30.435 136.91- 136.91     0.00
10.267  10.267    0.000          561343 0.76699   30.680 140.00- 140.00     0.00
11.567  11.570   -0.003          745453 0.76714   30.686 128.33- 128.33     0.00
               Average of Peak Concentrations =   30.602
-------------------------------------------------------------------------------
   10 Aroclor-1268                                CAS #: 11100-14-4

Operator disabled compound identification.
-------------------------------------------------------------------------------
```

Data File: T0921094.D

Date: 02-OCT-2012 05:15

Client ID: Instrument: gc10.i

Sample Info: 10012A8082LL.b Operator: 402360



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 180-50153/5-A
Matrix: Water
Lab File ID: T0921095.D
Analysis Method: 8082
Date Collected:
Extraction Method: 3510C
Date Extracted: 09/28/2012 13:45
Sample wt/vol: 1000(mL)
Date Analyzed: 10/02/2012 05:43
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-1701 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 50487
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.820		0.010	0.0025
11104-28-2	PCB-1221	ND		0.010	0.0025
11141-16-5	PCB-1232	ND		0.010	0.0029
53469-21-9	PCB-1242	ND		0.010	0.0019
12672-29-6	PCB-1248	ND		0.010	0.0023
11097-69-1	PCB-1254	ND		0.010	0.0023
11096-82-5	PCB-1260	0.824		0.010	0.0014

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	83		50-140
877-09-8	Tetrachloro-m-xylene	88		47-150

Data File: \\pitsvr06\d\chem\gc10.i\10012B8082LL.b\T0921095.D
Report Date: 02-Oct-2012 08:10

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\10012B8082LL.b\T0921095.D
Lab Smp Id: LCSD 180-50153/5-A
Inj Date : 02-OCT-2012 05:43
Operator : 402360 Inst ID: gc10.i
Smp Info : 10012A8082LL.b
Misc Info : LCSD 180-50153/5-A
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\10012B8082LL.b\PCBB_LL.m
Meth Date : 02-Oct-2012 08:10 guptaa Quant Type: ESTD
Cal Date : 05-SEP-2012 02:13 Cal File: T0920027.D
Als bottle: 49
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PCB.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene						CAS #: 877-09-8	
4.684	4.681	0.003	205028	0.01753	0.70122		
$ 11 DCB Decachlorobiphenyl (Surr)						CAS #: 2051-24-3	
16.329	16.331	-0.002	66140	0.01656	0.66240		
1 Aroclor-1221						CAS #: 11104-28-2	
Operator disabled compound identification.							
4 Aroclor-1016						CAS #: 12674-11-2	
5.612	5.611	0.001	168216	0.82780	33.112	0.00- 0.00	0.00
6.319	6.316	0.003	364113	0.81299	32.520	100.00- 100.00	0.00
7.038	7.036	0.002	756008	0.83472	33.389	223.51- 223.51	0.00
7.239	7.238	0.001	318166	0.81375	32.550	223.51- 223.51	0.00
7.384	7.383	0.001	255429	0.80933	32.373	317.56- 317.56	0.00
Average of Peak Concentrations =					32.789		

Data File: \\pitsvr06\d\chem\gc10.i\10012B8082LL.b\T0921095.D
Report Date: 02-Oct-2012 08:10

```
                                        CONCENTRATIONS
                                        ON-COL    FINAL
  RT   EXP RT   DLT RT         RESPONSE (   ng)  ( ug/L)   TARGET RANGE    RATIO
 ==== ======== ========        ======== =======  =======   ============    =====

    3 Aroclor-1232                                CAS #: 11141-16-5

Operator disabled compound identification.
-------------------------------------------------------------------------------
    6 Aroclor-1248                                CAS #: 12672-29-6

Operator disabled compound identification.
-------------------------------------------------------------------------------
    5 Aroclor-1242                                CAS #: 53469-21-9

Operator disabled compound identification.
-------------------------------------------------------------------------------
    7 Aroclor-1254                                CAS #: 11097-69-1

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
    9 Aroclor-1262                                CAS #: 37324-23-5

Operator disabled compound identification.
-------------------------------------------------------------------------------
    8 Aroclor-1260                                CAS #: 11096-82-5
9.362    9.361    0.001          561437 0.82974   33.190   0.00-   0.00     0.00
9.683    9.683    0.000          644621 0.82556   33.022 115.86- 115.86     0.00
9.967    9.968   -0.001          286330 0.81555   32.622 136.91- 136.91     0.00
10.266  10.267   -0.001          600618 0.82066   32.826 140.00- 140.00     0.00
11.568  11.570   -0.002          804620 0.82803   33.121 128.33- 128.33     0.00
               Average of Peak Concentrations =   32.956
-------------------------------------------------------------------------------
   10 Aroclor-1268                                CAS #: 11100-14-4

Operator disabled compound identification.
-------------------------------------------------------------------------------
```

Data File: T0921095.D

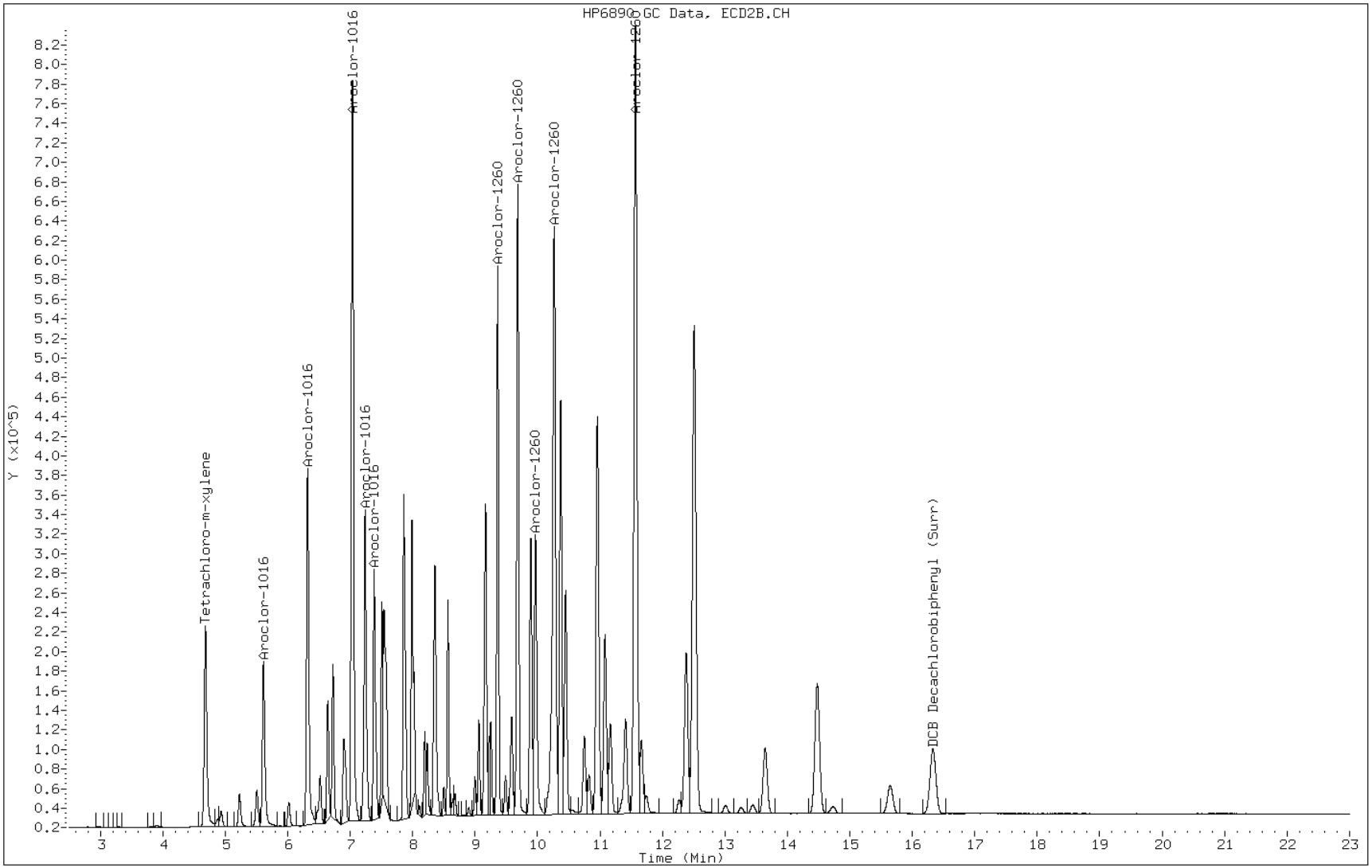
Date: 02-OCT-2012 05:43

Client ID:

Instrument: gc10.i

Sample Info: 10012A8082LL.b

Operator: 402360



PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Instrument ID: GC10 Start Date: 09/04/2012 14:58

Analysis Batch Number: 48486 End Date: 09/10/2012 19:53

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 180-48486/1		09/04/2012 14:58	1	T0920003.D	RTX-1701 0.53(mm)
IC 180-48486/2		09/04/2012 15:26	1	T0920004.D	RTX-1701 0.53(mm)
IC 180-48486/3		09/04/2012 15:55	1	T0920005.D	RTX-1701 0.53(mm)
IC 180-48486/4		09/04/2012 16:23	1	T0920006.D	RTX-1701 0.53(mm)
IC 180-48486/5		09/04/2012 16:51	1	T0920007.D	RTX-1701 0.53(mm)
IC 180-48486/6		09/04/2012 17:19	1	T0920008.D	RTX-1701 0.53(mm)
IC 180-48486/7		09/04/2012 17:47	1	T0920009.D	RTX-1701 0.53(mm)
IC 180-48486/8		09/04/2012 18:15	1	T0920010.D	RTX-1701 0.53(mm)
IC 180-48486/9		09/04/2012 18:43	1	T0920011.D	RTX-1701 0.53(mm)
IC 180-48486/10		09/04/2012 19:11	1	T0920012.D	RTX-1701 0.53(mm)
IC 180-48486/11		09/04/2012 19:39	1	T0920013.D	RTX-1701 0.53(mm)
IC 180-48486/12		09/04/2012 20:08	1	T0920014.D	RTX-1701 0.53(mm)
IC 180-48486/13		09/04/2012 20:36	1	T0920015.D	RTX-1701 0.53(mm)
IC 180-48486/14		09/04/2012 21:04	1	T0920016.D	RTX-1701 0.53(mm)
IC 180-48486/15		09/04/2012 21:32	1	T0920017.D	RTX-1701 0.53(mm)
IC 180-48486/16		09/04/2012 22:00	1	T0920018.D	RTX-1701 0.53(mm)
IC 180-48486/17		09/04/2012 22:28	1	T0920019.D	RTX-1701 0.53(mm)
IC 180-48486/18		09/04/2012 22:56	1	T0920020.D	RTX-1701 0.53(mm)
IC 180-48486/19		09/04/2012 23:24	1	T0920021.D	RTX-1701 0.53(mm)
IC 180-48486/20		09/04/2012 23:53	1	T0920022.D	RTX-1701 0.53(mm)
IC 180-48486/21		09/05/2012 00:21	1	T0920023.D	RTX-1701 0.53(mm)
IC 180-48486/22		09/05/2012 00:49	1	T0920024.D	RTX-1701 0.53(mm)
IC 180-48486/23		09/05/2012 01:17	1	T0920025.D	RTX-1701 0.53(mm)
IC 180-48486/24		09/05/2012 01:45	1	T0920026.D	RTX-1701 0.53(mm)
IC 180-48486/25		09/05/2012 02:13	1	T0920027.D	RTX-1701 0.53(mm)
ICV 180-48486/26		09/05/2012 02:41	1		RTX-1701 0.53(mm)
ICV 180-48486/27		09/05/2012 03:09	1		RTX-1701 0.53(mm)
ICV 180-48486/28		09/05/2012 03:37	1		RTX-1701 0.53(mm)
ICV 180-48486/29		09/05/2012 04:05	1		RTX-1701 0.53(mm)
ICV 180-48486/30		09/05/2012 04:33	1		RTX-1701 0.53(mm)
ICV 180-48486/31		09/05/2012 05:01	1		RTX-1701 0.53(mm)
ICV 180-48486/32		09/05/2012 05:29	1		RTX-1701 0.53(mm)
CCV 180-48486/33		09/07/2012 14:48	1		RTX-1701 0.53(mm)
CCV 180-48486/34		09/07/2012 15:16	1		RTX-1701 0.53(mm)
CCV 180-48486/35		09/07/2012 15:44	1		RTX-1701 0.53(mm)
CCV 180-48486/36		09/07/2012 16:12	1		RTX-1701 0.53(mm)
CCV 180-48486/37		09/07/2012 16:40	1		RTX-1701 0.53(mm)
CCV 180-48486/38		09/07/2012 17:08	1		RTX-1701 0.53(mm)
CCVRT 180-48486/39		09/07/2012 17:36	1		RTX-1701 0.53(mm)
ZZZZZ		09/07/2012 18:04	5		RTX-1701 0.53(mm)
ZZZZZ		09/07/2012 19:01	5		RTX-1701 0.53(mm)
ZZZZZ		09/07/2012 19:57	5		RTX-1701 0.53(mm)
ZZZZZ		09/07/2012 20:25	5		RTX-1701 0.53(mm)
ZZZZZ		09/07/2012 20:53	5		RTX-1701 0.53(mm)
ZZZZZ		09/07/2012 21:21	5		RTX-1701 0.53(mm)

8082

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Instrument ID: GC10 Start Date: 09/04/2012 14:58

Analysis Batch Number: 48486 End Date: 09/10/2012 19:53

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		09/07/2012 21:49	5		RTX-1701 0.53(mm)
ZZZZZ		09/07/2012 22:17	5		RTX-1701 0.53(mm)
ZZZZZ		09/07/2012 22:45	5		RTX-1701 0.53(mm)
ZZZZZ		09/07/2012 23:13	5		RTX-1701 0.53(mm)
ZZZZZ		09/08/2012 00:09	5		RTX-1701 0.53(mm)
ZZZZZ		09/08/2012 00:38	5		RTX-1701 0.53(mm)
ZZZZZ		09/08/2012 01:06	5		RTX-1701 0.53(mm)
ZZZZZ		09/08/2012 01:34	5		RTX-1701 0.53(mm)
ZZZZZ		09/08/2012 02:30	1		RTX-1701 0.53(mm)
ZZZZZ		09/08/2012 02:58	1		RTX-1701 0.53(mm)
CCV 180-48486/56		09/08/2012 03:26	1		RTX-1701 0.53(mm)
ZZZZZ		09/08/2012 03:54	5		RTX-1701 0.53(mm)
ZZZZZ		09/08/2012 04:22	5		RTX-1701 0.53(mm)
ZZZZZ		09/08/2012 04:50	5		RTX-1701 0.53(mm)
ZZZZZ		09/08/2012 05:18	5		RTX-1701 0.53(mm)
ZZZZZ		09/08/2012 05:46	5		RTX-1701 0.53(mm)
CCV 180-48486/62		09/08/2012 13:10	1		RTX-1701 0.53(mm)
CCV 180-48486/63		09/10/2012 16:08	1		RTX-1701 0.53(mm)
ZZZZZ		09/10/2012 16:36	250		RTX-1701 0.53(mm)
ZZZZZ		09/10/2012 17:04	250		RTX-1701 0.53(mm)
ZZZZZ		09/10/2012 17:32	500		RTX-1701 0.53(mm)
ZZZZZ		09/10/2012 18:00	5		RTX-1701 0.53(mm)
ZZZZZ		09/10/2012 18:28	1		RTX-1701 0.53(mm)
ZZZZZ		09/10/2012 18:56	1		RTX-1701 0.53(mm)
ZZZZZ		09/10/2012 19:24	1		RTX-1701 0.53(mm)
CCV 180-48486/71		09/10/2012 19:53	1		RTX-1701 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Instrument ID: GC10 Start Date: 09/30/2012 14:30

Analysis Batch Number: 50487 End Date: 10/02/2012 06:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 180-50487/1		09/30/2012 14:30	1	T0921000.D	RTX-1701 0.53(mm)
CCV 180-50487/2		09/30/2012 14:58	1	T0921001.D	RTX-1701 0.53(mm)
CCV 180-50487/3		09/30/2012 15:26	1	T0921002.D	RTX-1701 0.53(mm)
CCV 180-50487/4		09/30/2012 15:54	1	T0921003.D	RTX-1701 0.53(mm)
CCV 180-50487/5		09/30/2012 16:22	1	T0921004.D	RTX-1701 0.53(mm)
CCV 180-50487/6		09/30/2012 16:50	1	T0921005.D	RTX-1701 0.53(mm)
CCV 180-50487/7		09/30/2012 17:18	1	T0921006.D	RTX-1701 0.53(mm)
CCVRT 180-50487/8		10/01/2012 22:15	1	T0921079.D	RTX-1701 0.53(mm)
ZZZZZ		10/01/2012 22:43	5		RTX-1701 0.53(mm)
ZZZZZ		10/01/2012 23:11	5		RTX-1701 0.53(mm)
ZZZZZ		10/01/2012 23:39	5		RTX-1701 0.53(mm)
ZZZZZ		10/02/2012 00:07	1		RTX-1701 0.53(mm)
ZZZZZ		10/02/2012 00:35	1		RTX-1701 0.53(mm)
ZZZZZ		10/02/2012 01:03	1		RTX-1701 0.53(mm)
ZZZZZ		10/02/2012 01:31	1		RTX-1701 0.53(mm)
ZZZZZ		10/02/2012 01:59	1		RTX-1701 0.53(mm)
ZZZZZ		10/02/2012 02:27	1		RTX-1701 0.53(mm)
180-14634-9	MW-110	10/02/2012 02:55	1	T0921089.D	RTX-1701 0.53(mm)
ZZZZZ		10/02/2012 03:23	1		RTX-1701 0.53(mm)
ZZZZZ		10/02/2012 03:51	1		RTX-1701 0.53(mm)
ZZZZZ		10/02/2012 04:20	1		RTX-1701 0.53(mm)
MB 180-50153/1-A		10/02/2012 04:47	1	T0921093.D	RTX-1701 0.53(mm)
LCS 180-50153/4-A		10/02/2012 05:15	1	T0921094.D	RTX-1701 0.53(mm)
LCSD 180-50153/5-A		10/02/2012 05:43	1	T0921095.D	RTX-1701 0.53(mm)
CCV 180-50487/25		10/02/2012 06:11	1	T0921096.D	RTX-1701 0.53(mm)

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Batch Number: 50153 Batch Start Date: 09/28/12 13:45 Batch Analyst: Yushinski, Charles

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	GCMATRIXWORKS 00004	op-p/pcb sur 00006	
MB 180-50153/1		3510C, 8082		6	1000 mL	1.0 mL		25 uL	
LCS 180-50153/4		3510C, 8082		6	1000 mL	1.0 mL	25 uL	25 uL	
LCSD 180-50153/5		3510C, 8082		6	1000 mL	1.0 mL	25 uL	25 uL	
180-14634-B-9	MW-110	3510C, 8082	T	7	1050 mL	1.0 mL		25 uL	

Batch Notes	
Exchange Solvent Lot #	574686
Exchange Solvent Name	Hexane
N-evap #	1
N-evap temperature	21 Celsius
Na2SO4 Lot Number	578465
Oven, Bath or Block Temperature 1	79 Celsius
Prep Solvent Lot #	553670
Prep Solvent Name	Methylene chloride
Prep Solvent Volume Used	180 mL
Person's name who did the prep	CBY
Sufficient volume for MS/MSD?	no
Uncorrected N-evap Temperature	21 Celsius
Uncorrected Temperature	79 Celsius

Basis	Basis Description
T	Total/NA

Method 8151A

Herbicides (GC) by Method 8151A

FORM II
HERBICIDES SURROGATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): RTX-50 ID: 0.53 (mm) GC Column (2): RTX-1701 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	DCPA2 #	DCPA1 #
MW-110	180-14634-9	41	
MW-110	180-14634-9		49
	MB 180-50161/1-A	39	
	MB 180-50161/1-A		41
	LCS 180-50161/2-A	61	
	LCS 180-50161/2-A		63
	LCSD 180-50161/3-A	65	
	LCSD 180-50161/3-A		66

	QC LIMITS
DCPA = 2,4-Dichlorophenylacetic acid	32-140

Column to be used to flag recovery values

FORM II 8151A

FORM III
HERBICIDES LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Matrix: Water Level: Low Lab File ID: B1020105.D

Lab ID: LCS 180-50161/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
2,4-D	16.0	10.1	63	32-140	

Column to be used to flag recovery and RPD values

FORM III 8151A

FORM III
HERBICIDES LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A1020105.D

Lab ID: LCS 180-50161/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
2,4,5-T	4.00	2.05	51	32-140	
Silvex (2,4,5-TP)	4.00	2.04	51	32-140	

Column to be used to flag recovery and RPD values

FORM III 8151A

FORM III
HERBICIDES LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Matrix: Water Level: Low Lab File ID: B1020106.D

Lab ID: LCSD 180-50161/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
2,4-D	16.0	10.9	68	8	30	32-140	

Column to be used to flag recovery and RPD values

FORM III 8151A

FORM III
HERBICIDES LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A1020106.D

Lab ID: LCSD 180-50161/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
2,4,5-T	4.00	2.19	55	6	30	32-140	
Silvex (2,4,5-TP)	4.00	2.26	56	10	30	32-140	

Column to be used to flag recovery and RPD values

FORM III 8151A

FORM IV
HERBICIDES METHOD BLANK SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: MB 180-50161/1-A

Matrix: Water Date Extracted: 09/28/2012 17:00

Lab File ID:(1) A1020104.D Lab File ID:(2) B1020104.D

Date Analyzed:(1) 10/09/2012 16:59 Date Analyzed:(2) 10/09/2012 16:34

Instrument ID:(1) GC1 Instrument ID:(2) GC1

GC Column:(1) RTX-50 ID: 0.53(mm) GC Column:(2) RTX-1701 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 180-50161/2-A	10/09/2012 17:24	10/09/2012 16:59
	LCSD 180-50161/3-A	10/09/2012 17:49	10/09/2012 17:24
MW-110	180-14634-9	10/09/2012 19:03	10/09/2012 18:39

FORM VIII
HERBICIDES ANALYTICAL SEQUENCE

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Sample No.: CCVRT 180-51405/1 Date Analyzed: 10/09/2012 13:16

Instrument ID: GC1 GC Column: RTX-1701 ID: 0.53(mm)

Lab File ID (Standard): B1020096.D Heated Purge: (Y/N) N

Calibration ID: 6812

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				DCPA		
				RT #		
CONTINUING CALIBRATION SURROGATE				8.63		
UPPER LIMIT				8.66		
LOWER LIMIT				8.60		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 180-51405/1		10/09/2012 13:16	B1020096.D	8.63		
MB 180-50161/1-A		10/09/2012 16:34	B1020104.D	8.63		
LCS 180-50161/2-A		10/09/2012 16:59	B1020105.D	8.63		
LCSD 180-50161/3-A		10/09/2012 17:24	B1020106.D	8.63		
CCV 180-51405/12		10/09/2012 17:49	B1020107.D	8.63		
180-14634-9	MW-110	10/09/2012 18:39	B1020109.D	8.63		
CCV 180-51405/15		10/09/2012 19:03	B1020110.D	8.63		

DCPA = 2,4-Dichlorophenylacetic acid

DCPA RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8151A

FORM VIII
HERBICIDES ANALYTICAL SEQUENCE

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Sample No.: CCVRT 180-51402/1 Date Analyzed: 10/09/2012 13:40

Instrument ID: GC1 GC Column: RTX-50 ID: 0.53(mm)

Lab File ID (Standard): A1020096.D Heated Purge: (Y/N) N

Calibration ID: 6811

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				DCPA		
				RT #		
CONTINUING CALIBRATION SURROGATE				8.65		
UPPER LIMIT				8.68		
LOWER LIMIT				8.62		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 180-51402/1		10/09/2012 13:40	A1020096.D	8.65		
MB 180-50161/1-A		10/09/2012 16:59	A1020104.D	8.65		
LCS 180-50161/2-A		10/09/2012 17:24	A1020105.D	8.65		
LCSD 180-50161/3-A		10/09/2012 17:49	A1020106.D	8.65		
CCV 180-51402/12		10/09/2012 18:14	A1020107.D	8.65		
180-14634-9	MW-110	10/09/2012 19:03	A1020109.D	8.65		
CCV 180-51402/15		10/09/2012 19:28	A1020110.D	8.65		

DCPA = 2,4-Dichlorophenylacetic acid

DCPA RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8151A

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 180-50161/2-A

Instrument ID (1): GC1 Instrument ID (2): GC1

Date Analyzed (1): 10/09/2012 17:24 Date Analyzed (2): 10/09/2012 16:59

GC Column (1): RTX-50 ID: 0.53(mm) GC Column (2): RTX-1701 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
2,4-D	1		10.05	10.02	10.08	8.29		19.6
	2		10.11	10.08	10.14	10.1		
Silvex (2,4,5-TP)	1		10.73	10.70	10.76	2.04		4.8
	2		10.88	10.86	10.92	1.95		
2,4,5-T	1		11.28	11.25	11.31	2.05		5.2
	2		11.34	11.31	11.37	1.95		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 180-50161/3-A

Instrument ID (1): GC1 Instrument ID (2): GC1

Date Analyzed (1): 10/09/2012 17:49 Date Analyzed (2): 10/09/2012 17:24

GC Column (1): RTX-50 ID: 0.53(mm) GC Column (2): RTX-1701 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
2,4-D	1		10.05	10.02	10.08	9.10		18.1
	2		10.11	10.08	10.14	10.9		
Silvex (2,4,5-TP)	1		10.73	10.70	10.76	2.26		4.4
	2		10.88	10.86	10.92	2.16		
2,4,5-T	1		11.28	11.25	11.31	2.19		3.1
	2		11.34	11.31	11.37	2.12		

FORM X 8151A

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Client Sample ID: MW-110 Lab Sample ID: 180-14634-9

Matrix: Water Lab File ID: B1020109.D

Analysis Method: 8151A Date Collected: 09/19/2012 13:00

Extraction Method: 8151A Date Extracted: 09/28/2012 17:00

Sample wt/vol: 1050(mL) Date Analyzed: 10/09/2012 18:39

Con. Extract Vol.: 10.0(mL) Dilution Factor: 20

Injection Volume: 1(uL) GC Column: RTX-1701 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 51405 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	41		32-140

Data File: \\pitsvr06\d\chem\gc1.i\10092B.b\B1020109.D
Report Date: 10-Oct-2012 09:54

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc1.i\10092B.b\B1020109.D
Lab Smp Id: 180-14634-A-9-A Client Smp ID: MW-110
Inj Date : 09-OCT-2012 18:39
Operator : 01797 Inst ID: gc1.i
Smp Info : 10092B.B
Misc Info : 180-14634-a-9-a
Comment   :
Method   : \\pitsvr06\d\chem\gc1.i\10092B.b\Therbb.m
Meth Date : 10-Oct-2012 09:52 eppinged Quant Type: ESTD
Cal Date : 04-OCT-2012 12:09 Cal File: B1020054.D
Als bottle: 14
Dil Factor: 20.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-509

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE
1 DALAPON					CAS #: 75-99-0			
2.773	2.772	0.001	20371	0.00023	0.004607			(a)
$ 2 DCAA					CAS #: 19719-28-9			
8.628	8.632	-0.004	1342685	0.02047	0.02046			(a)
3 DICAMBA					CAS #: 1918-00-9			

Peaks not detected for Quant. or Qual. signal(s).

4 MCPP CAS #: 7085-19-0

Peaks not detected for Quant. or Qual. signal(s).

5 MCPA CAS #: 94-74-6

Peaks not detected for Quant. or Qual. signal(s).

6 DICHLOROPROP CAS #: 120-36-5

Peaks not detected for Quant. or Qual. signal(s).

Data File: \\pitsvr06\d\chem\gc1.i\10092B.b\B1020109.D
Report Date: 10-Oct-2012 09:54

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE

7 2,4-D CAS #: 94-75-7

Peaks not detected for Quant. or Qual. signal(s).

---

8 PENTACHLOROPHENOL CAS #: 87-86-5

Peaks not detected for Quant. or Qual. signal(s).

---

9 2,4,5-TP(SILVEX) CAS #: 93-72-1

Peaks not detected for Quant. or Qual. signal(s).

---

10 2,4,5-T CAS #: 93-76-5

Peaks not detected for Quant. or Qual. signal(s).

---

11 2,4-DB CAS #: 94-82-6

Peaks not detected for Quant. or Qual. signal(s).

---

12 DINOSEB CAS #: 88-85-7

Peaks not detected for Quant. or Qual. signal(s).

QC Flag Legend

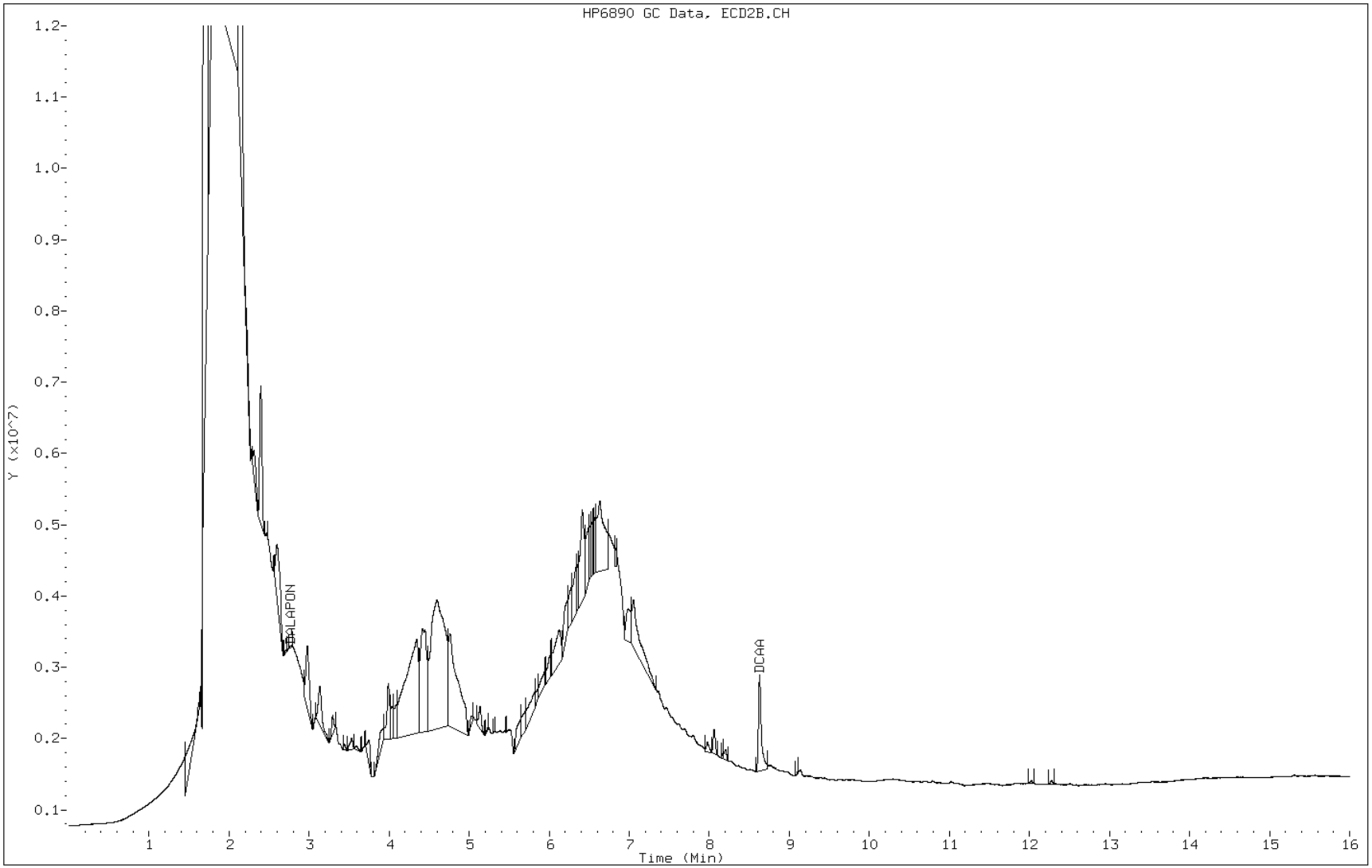
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: B1020109.D

Date: 09-OCT-2012 18:39

Client ID: MW-110 Instrument: gc1.i

Sample Info: 10092B.B Operator: 01797



FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG No.:
Client Sample ID: MW-110
Lab Sample ID: 180-14634-9
Matrix: Water
Lab File ID: A1020109.D
Analysis Method: 8151A
Date Collected: 09/19/2012 13:00
Extraction Method: 8151A
Date Extracted: 09/28/2012 17:00
Sample wt/vol: 1050(mL)
Date Analyzed: 10/09/2012 19:03
Con. Extract Vol.: 10.0(mL)
Dilution Factor: 20
Injection Volume: 1(uL)
GC Column: RTX-50 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 51402
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	ND	H	3.8	0.43
93-76-5	2,4,5-T	ND	H	0.95	0.092
93-72-1	Silvex (2,4,5-TP)	ND	H	0.95	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	49		32-140

Data File: \\pitsvr06\d\chem\gc1.i\10092A.b\A1020109.D
Report Date: 10-Oct-2012 09:44

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc1.i\10092A.b\A1020109.D
Lab Smp Id: 180-14634-A-9-A Client Smp ID: MW-110
Inj Date : 09-OCT-2012 19:03
Operator : 01797 Inst ID: gc1.i
Smp Info : 10092A.B
Misc Info : 180-14634-a-9-a
Comment   :
Method   : \\pitsvr06\d\chem\gc1.i\10092A.b\Therba.m
Meth Date : 10-Oct-2012 09:42 eppinged Quant Type: ESTD
Cal Date : 04-OCT-2012 12:34 Cal File: A1020054.D
Als bottle: 14
Dil Factor: 20.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-509

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE

1 DALAPON CAS #: 75-99-0

Peaks not detected for Quant. or Qual. signal(s).

$ 2 DCAA					CAS #: 19719-28-9			
8.650	8.647	0.003	887405	0.02435	0.02435			(a)

---

3 MCPP CAS #: 7085-19-0

Peaks not detected for Quant. or Qual. signal(s).

---

4 DICAMBA CAS #: 1918-00-9

Peaks not detected for Quant. or Qual. signal(s).

---

5 MCPA CAS #: 94-74-6

Peaks not detected for Quant. or Qual. signal(s).

---

6 DICHLOROPROP CAS #: 120-36-5

Peaks not detected for Quant. or Qual. signal(s).

Data File: \\pitsvr06\d\chem\gc1.i\10092A.b\A1020109.D
Report Date: 10-Oct-2012 09:44

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE

7 2,4-D CAS #: 94-75-7

Peaks not detected for Quant. or Qual. signal(s).

---

8 PENTACHLOROPHENOL CAS #: 87-86-5

Peaks not detected for Quant. or Qual. signal(s).

---

9 2,4,5-TP(SILVEX) CAS #: 93-72-1

Peaks not detected for Quant. or Qual. signal(s).

---

10 2,4,5-T CAS #: 93-76-5

Peaks not detected for Quant. or Qual. signal(s).

---

11 DINOSEB CAS #: 88-85-7

Peaks not detected for Quant. or Qual. signal(s).

---

12 2,4-DB CAS #: 94-82-6

Peaks not detected for Quant. or Qual. signal(s).

QC Flag Legend

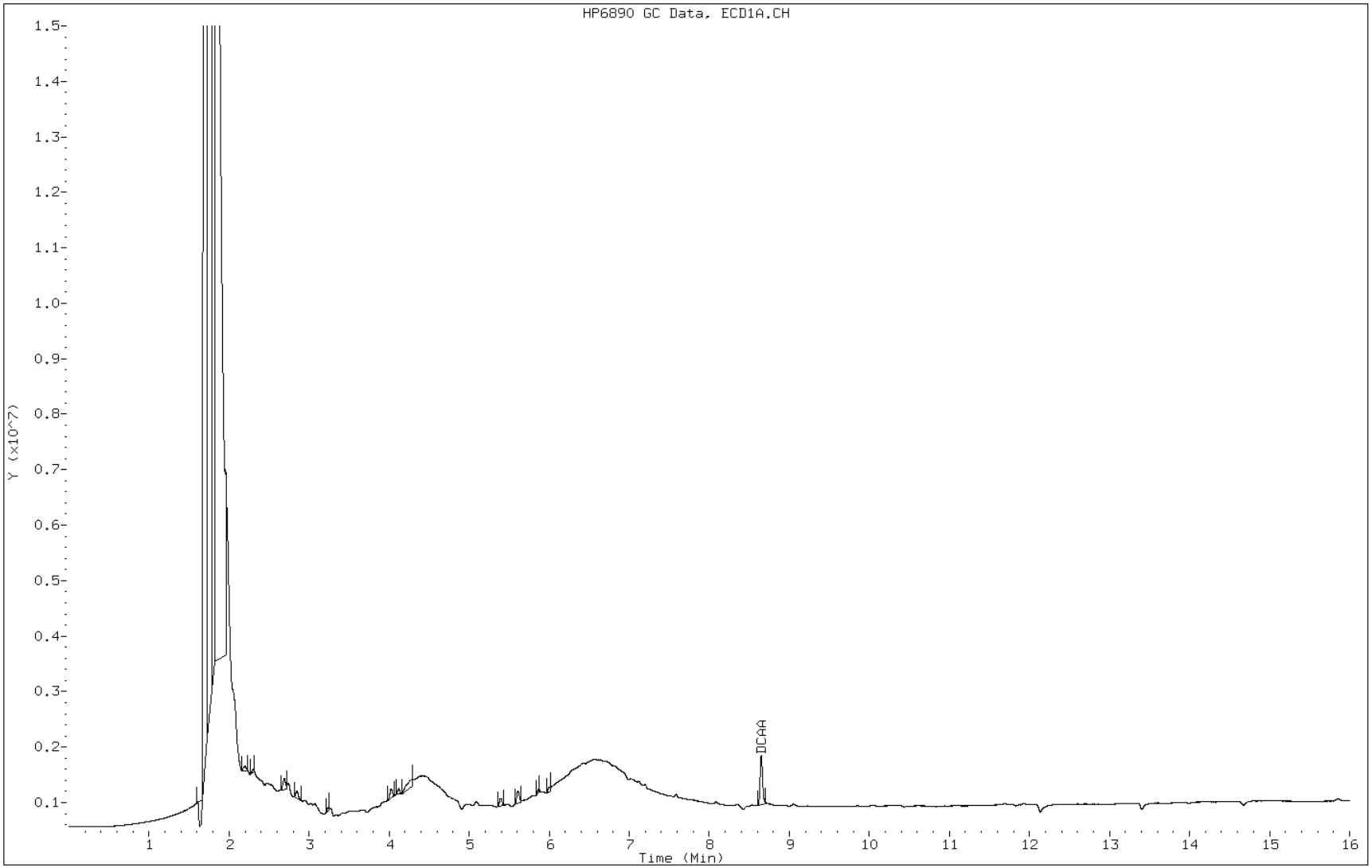
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: A1020109.D

Date: 09-OCT-2012 19:03

Client ID: MW-110 Instrument: gc1.i

Sample Info: 10092A.B Operator: 01797



FORM VI
HERBICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 50880

SDG No.:

Instrument ID: GC1 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/04/2012 10:28 Calibration End Date: 10/04/2012 12:09 Calibration ID: 6812

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-50880/1	B1020050.D
Level 2	IC 180-50880/2	B1020051.D
Level 3	ICRT 180-50880/3	B1020052.D
Level 4	IC 180-50880/4	B1020053.D
Level 5	IC 180-50880/5	B1020054.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Dalapon	2.775	2.782	2.775	2.772	2.776						2.745 - 2.805	2.776
Dicamba	8.903	8.900	8.900	8.902	8.899						8.870 - 8.930	8.901
MCPP	9.050	9.046	9.046	9.047	9.045						9.016 - 9.076	9.047
MCPA	9.357	9.354	9.352	9.353	9.350						9.322 - 9.382	9.353
Dichlorprop	9.721	9.717	9.716	9.718	9.715						9.686 - 9.746	9.718
2,4-D	10.120	10.115	10.113	10.114	10.110						10.083 - 10.143	10.114
Pentachlorophenol	10.362	10.359	10.358	10.360	10.357						10.328 - 10.388	10.359
Silvex (2,4,5-TP)	10.889	10.886	10.885	10.886	10.883						10.855 - 10.915	10.886
2,4,5-T	11.347	11.343	11.340	11.340	11.335						11.310 - 11.370	11.341
2,4-DB	11.787	11.778	11.775	11.773	11.768						11.745 - 11.805	11.776
Dinoseb	12.415	12.412	12.411	12.412	12.408						12.381 - 12.441	12.412
2,4-Dichlorophenylacetic acid	8.637	8.634	8.632	8.633	8.630						8.602 - 8.662	8.633

FORM VI
HERBICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 50880

SDG No.:

Instrument ID: GC1 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/04/2012 10:28 Calibration End Date: 10/04/2012 12:09 Calibration ID: 6812

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-50880/1	B1020050.D
Level 2	IC 180-50880/2	B1020051.D
Level 3	ICRT 180-50880/3	B1020052.D
Level 4	IC 180-50880/4	B1020053.D
Level 5	IC 180-50880/5	B1020054.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
Dalapon	100938600 82907675	82524050	87670150	88165388	Ave		88441172.5				8.4		20.0			
Dicamba	307899300 296280494	300182150	290045225	295820188	Ave		298045471				2.2		20.0			
MCPP	220149 272051	236215	235574	254855	Ave		243768.569				8.2		20.0			
MCPA	316049 330437	319205	305085	315101	Ave		317175.369				2.9		20.0			
Dichlorprop	65933950 63953994	64655875	61703338	62697700	Ave		63788971.3				2.6		20.0			
2,4-D	43417450 56462722	45920075	48068500	52221381	Ave		49218025.6				10.5		20.0			
Pentachlorophenol	1021183600 1034949925	1015104600	989620900	996014700	Ave		1011374750				1.8		20.0			
Silvex (2,4,5-TP)	312301600 349178750	314819700	313932650	327264975	Ave		323499535				4.8		20.0			
2,4,5-T	165861800 211163838	168709200	177675200	193101050	Ave		183302218				10.3		20.0			
2,4-DB	56390150 75874550	61097475	63699475	70031694	Ave		65418668.8				11.7		20.0			
Dinoseb	144871667 137276146	137908167	129324833	135895958	Ave		137055354				4.0		20.0			
2,4-Dichlorophenylacetic acid	69749050 63797116	67477550	63482288	63535356	Ave		65608271.9				4.4		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
HERBICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 50880

SDG No.:

Instrument ID: GC1 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/04/2012 10:28 Calibration End Date: 10/04/2012 12:09 Calibration ID: 6812

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-50880/1	B1020050.D
Level 2	IC 180-50880/2	B1020051.D
Level 3	ICRT 180-50880/3	B1020052.D
Level 4	IC 180-50880/4	B1020053.D
Level 5	IC 180-50880/5	B1020054.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Dalapon	Ave	1009386	1650481	3506806	7053231	13265228	0.0100	0.0200	0.0400	0.0800	0.160
Dicamba	Ave	3078993	6003643	11601809	23665615	47404879	0.0100	0.0200	0.0400	0.0800	0.160
MCPP	Ave	440297	944861	1884588	4077680	8705619	2.00	4.00	8.00	16.0	32.0
MCPA	Ave	632097	1276819	2440682	5041621	10573985	2.00	4.00	8.00	16.0	32.0
Dichlorprop	Ave	1318679	2586235	4936267	10031632	20465278	0.0200	0.0400	0.0800	0.160	0.320
2,4-D	Ave	868349	1836803	3845480	8355421	18068071	0.0200	0.0400	0.0800	0.160	0.320
Pentachlorophenol	Ave	2552959	5075523	9896209	19920294	41397997	0.00250	0.00500	0.0100	0.0200	0.0400
Silvex (2,4,5-TP)	Ave	1561508	3148197	6278653	13090599	27934300	0.00500	0.0100	0.0200	0.0400	0.0800
2,4,5-T	Ave	829309	1687092	3553504	7724042	16893107	0.00500	0.0100	0.0200	0.0400	0.0800
2,4-DB	Ave	1127803	2443899	5095958	11205071	24279856	0.0200	0.0400	0.0800	0.160	0.320
Dinoseb	Ave	434615	827449	1551898	3261503	6589255	0.00300	0.00600	0.0120	0.0240	0.0480
2,4-Dichlorophenylacetic acid	Ave	1394981	2699102	5078583	10165657	20415077	0.0200	0.0400	0.0800	0.160	0.320

Curve Type Legend:

Ave = Average by Height

Data File: \\pitsvr06\d\chem\gc1.i\10042B.b\B1020050.D
Report Date: 04-Oct-2012 11:56

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc1.i\10042B.b\B1020050.D
Lab Smp Id: IC 585446
Inj Date : 04-OCT-2012 10:28
Operator : 01797 Inst ID: gc1.i
Smp Info : 10042B.B
Misc Info : IC 585446
Comment :
Method : \\pitsvr06\d\chem\gc1.i\10042B.b\Therbb.m
Meth Date : 04-Oct-2012 11:56 eppinged Quant Type: ESTD
Cal Date : 04-OCT-2012 10:28 Cal File: B1020050.D
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-509

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
1 DALAPON						CAS #: 75-99-0		
2.774	2.774	0.000	1009386	0.01000	0.01117			
$ 2 DCAA						CAS #: 19719-28-9		
8.636	8.632	0.004	1394981	0.02000	0.02085			
3 DICAMBA						CAS #: 1918-00-9		
8.903	8.899	0.004	3078993	0.01000	0.01028			
4 MCPP						CAS #: 7085-19-0		
9.049	9.045	0.004	440297	2.00000	1.909			
5 MCPA						CAS #: 94-74-6		
9.356	9.352	0.004	632097	2.00000	2.017			
6 DICHLOROPROP						CAS #: 120-36-5		
9.720	9.716	0.004	1318679	0.02000	0.02057			
7 2,4-D						CAS #: 94-75-7		
10.119	10.113	0.006	868349	0.02000	0.01896			
8 PENTACHLOROPHENOL						CAS #: 87-86-5		
10.361	10.358	0.003	2552959	0.00250	0.002531			
9 2,4,5-TP(SILVEX)						CAS #: 93-72-1		
10.889	10.884	0.005	1561508	0.00500	0.004978			
10 2,4,5-T						CAS #: 93-76-5		
11.347	11.339	0.008	829309	0.00500	0.004857			
11 2,4-DB						CAS #: 94-82-6		
11.786	11.774	0.012	1127803	0.02000	0.01867			

Data File: \\pitsvr06\d\chem\gc1.i\10042B.b\B1020050.D
Report Date: 04-Oct-2012 11:56

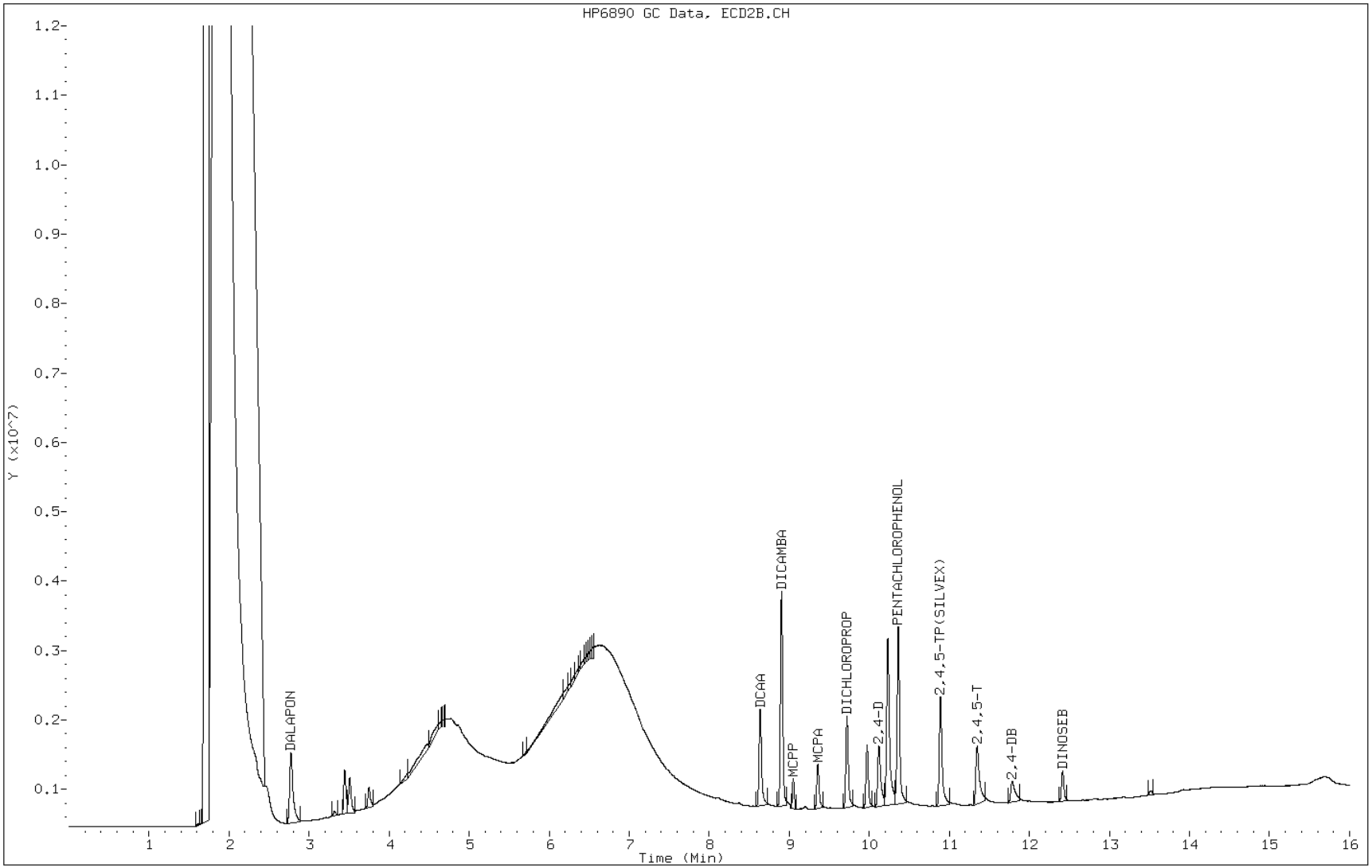
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
12 DINOSEB					CAS #: 88-85-7			
12.414	12.410	0.004	434615	0.00300	0.003164			

Data File: B1020050.D

Date: 04-OCT-2012 10:28

Client ID: Instrument: gc1.i

Sample Info: 10042B.B Operator: 01797



Data File: \\pitsvr06\d\chem\gc1.i\10042B.b\B1020051.D
Report Date: 04-Oct-2012 11:56

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc1.i\10042B.b\B1020051.D
Lab Smp Id: IC 585459
Inj Date : 04-OCT-2012 10:53
Operator : 01797 Inst ID: gc1.i
Smp Info : 10042B.B
Misc Info : IC 585459
Comment :
Method : \\pitsvr06\d\chem\gc1.i\10042B.b\Therbb.m
Meth Date : 04-Oct-2012 11:56 eppinged Quant Type: ESTD
Cal Date : 04-OCT-2012 10:53 Cal File: B1020051.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-509

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
1 DALAPON						CAS #: 75-99-0		
2.782	2.774	0.008	1650481	0.02000	0.01826			
$ 2 DCAA						CAS #: 19719-28-9		
8.633	8.632	0.001	2699102	0.04000	0.04034			
3 DICAMBA						CAS #: 1918-00-9		
8.900	8.899	0.001	6003643	0.02000	0.02005			
4 MCPP						CAS #: 7085-19-0		
9.046	9.045	0.001	944861	4.00000	4.096			
5 MCPA						CAS #: 94-74-6		
9.353	9.352	0.001	1276819	4.00000	4.073			
6 DICHLOROPROP						CAS #: 120-36-5		
9.717	9.716	0.001	2586235	0.04000	0.04035			
7 2,4-D						CAS #: 94-75-7		
10.114	10.113	0.001	1836803	0.04000	0.04010			
8 PENTACHLOROPHENOL						CAS #: 87-86-5		
10.358	10.358	0.000	5075523	0.00500	0.005032			
9 2,4,5-TP(SILVEX)						CAS #: 93-72-1		
10.886	10.884	0.002	3148197	0.01000	0.01004			
10 2,4,5-T						CAS #: 93-76-5		
11.342	11.339	0.003	1687092	0.01000	0.009880			
11 2,4-DB						CAS #: 94-82-6		
11.777	11.774	0.003	2443899	0.04000	0.04046			

Data File: \\pitsvr06\d\chem\gc1.i\10042B.b\B1020051.D
Report Date: 04-Oct-2012 11:56

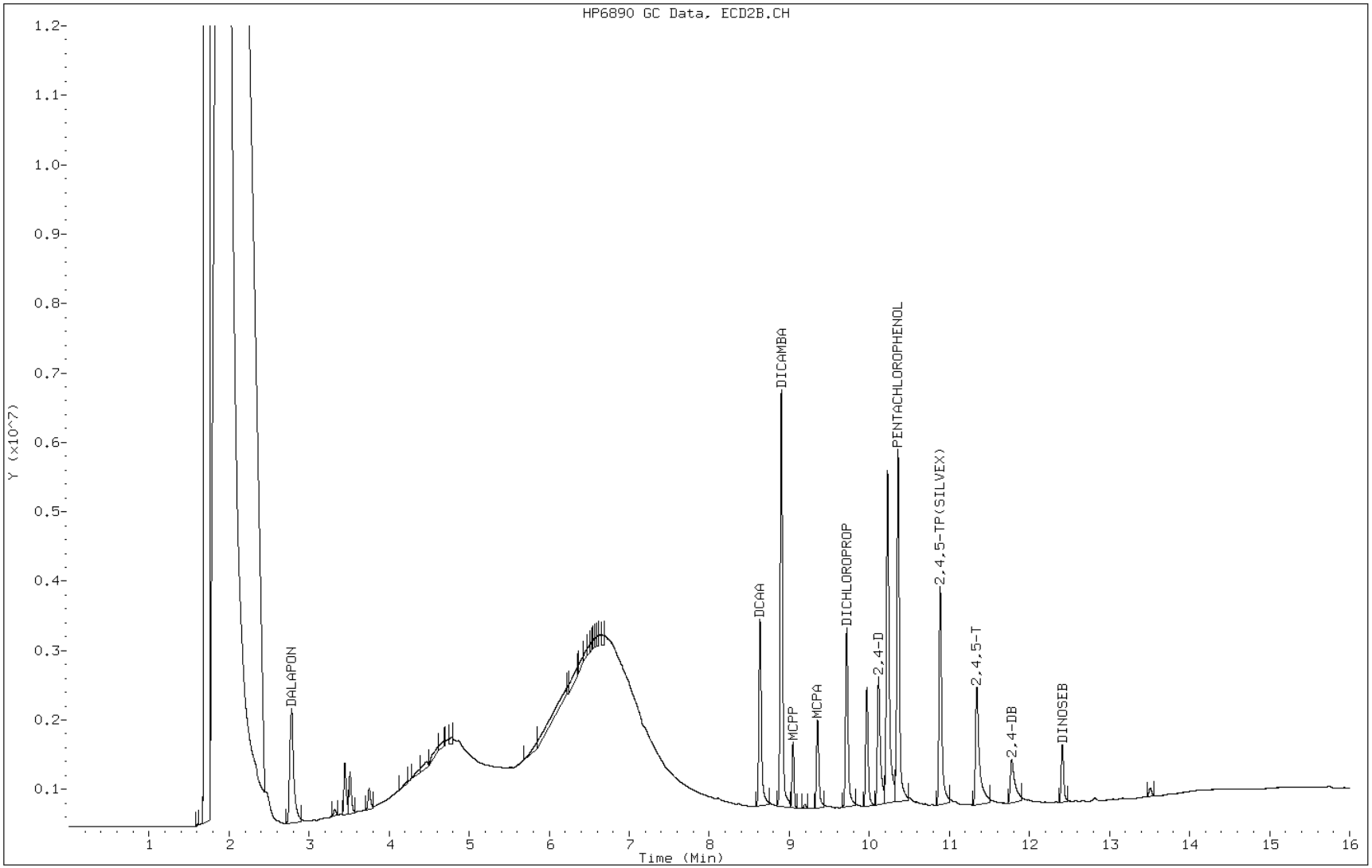
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
12 DINOSEB					CAS #: 88-85-7			
12.412	12.410	0.002	827449	0.00600	0.006024			

Data File: B1020051.D

Date: 04-OCT-2012 10:53

Client ID: Instrument: gc1.i

Sample Info: 10042B.B Operator: 01797



Data File: \\pitsvr06\d\chem\gc1.i\10042B.b\B1020052.D
Report Date: 04-Oct-2012 11:56

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc1.i\10042B.b\B1020052.D
Lab Smp Id: ICRT 585464
Inj Date : 04-OCT-2012 11:19
Operator : 01797 Inst ID: gc1.i
Smp Info : 10042B.B
Misc Info : ICRT 585464
Comment :
Method : \\pitsvr06\d\chem\gc1.i\10042B.b\Therbb.m
Meth Date : 04-Oct-2012 11:56 eppinged Quant Type: ESTD
Cal Date : 04-OCT-2012 11:19 Cal File: B1020052.D
Als bottle: 3 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-509

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
1 DALAPON						CAS #: 75-99-0		
2.774	2.774	0.000	3506806	0.04000	0.03880			
$ 2 DCAA						CAS #: 19719-28-9		
8.632	8.632	0.000	5078583	0.08000	0.07591			
3 DICAMBA						CAS #: 1918-00-9		
8.899	8.899	0.000	11601809	0.04000	0.03875			
4 MCPP						CAS #: 7085-19-0		
9.045	9.045	0.000	1884588	8.00000	8.171			
5 MCPA						CAS #: 94-74-6		
9.352	9.352	0.000	2440682	8.00000	7.787			
6 DICHLOROPROP						CAS #: 120-36-5		
9.716	9.716	0.000	4936267	0.08000	0.07701			
7 2,4-D						CAS #: 94-75-7		
10.113	10.113	0.000	3845480	0.08000	0.08396			
8 PENTACHLOROPHENOL						CAS #: 87-86-5		
10.358	10.358	0.000	9896209	0.01000	0.009811			
9 2,4,5-TP(SILVEX)						CAS #: 93-72-1		
10.884	10.884	0.000	6278653	0.02000	0.02002			
10 2,4,5-T						CAS #: 93-76-5		
11.339	11.339	0.000	3553504	0.02000	0.02081			
11 2,4-DB						CAS #: 94-82-6		
11.774	11.774	0.000	5095958	0.08000	0.08438			

Data File: \\pitsvr06\d\chem\gc1.i\10042B.b\B1020052.D
Report Date: 04-Oct-2012 11:56

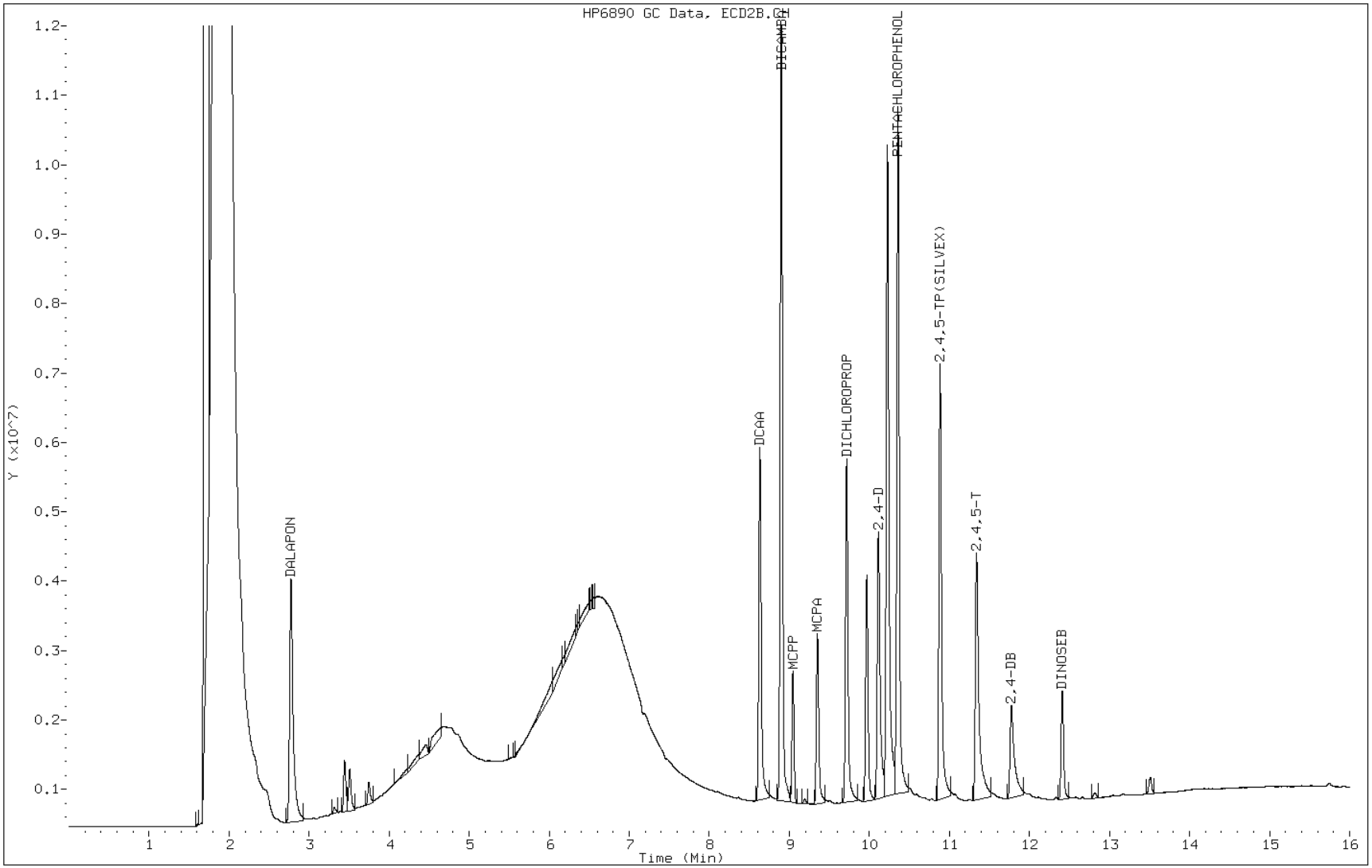
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
12 DINOSEB					CAS #: 88-85-7			
12.410	12.410	0.000	1551898	0.01200	0.01130			

Data File: B1020052.D

Date: 04-OCT-2012 11:19

Client ID: Instrument: gc1.i

Sample Info: 10042B.B Operator: 01797



Data File: \\pitsvr06\d\chem\gc1.i\10042B.b\B1020053.D
Report Date: 04-Oct-2012 12:21

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc1.i\10042B.b\B1020053.D
Lab Smp Id: IC 585485
Inj Date : 04-OCT-2012 11:44
Operator : 01797 Inst ID: gc1.i
Smp Info : 10042B.B
Misc Info : IC 585485
Comment :
Method : \\pitsvr06\d\chem\gc1.i\10042B.b\Therbb.m
Meth Date : 04-Oct-2012 12:21 eppinged Quant Type: ESTD
Cal Date : 04-OCT-2012 11:44 Cal File: B1020053.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-509

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
1 DALAPON						CAS #: 75-99-0		
2.772	2.774	-0.002	7053231	0.08000	0.07852			
$ 2 DCAA						CAS #: 19719-28-9		
8.633	8.632	0.001	10165657	0.16000	0.1539			
3 DICAMBA						CAS #: 1918-00-9		
8.902	8.899	0.003	23665615	0.08000	0.07928			
4 MCPP						CAS #: 7085-19-0		
9.047	9.045	0.002	4077680	16.0000	17.23			
5 MCPA						CAS #: 94-74-6		
9.353	9.352	0.001	5041621	16.0000	16.06			
6 DICHLOROPROP						CAS #: 120-36-5		
9.718	9.716	0.002	10031632	0.16000	0.1574			
7 2,4-D						CAS #: 94-75-7		
10.114	10.113	0.001	8355421	0.16000	0.1762			
8 PENTACHLOROPHENOL						CAS #: 87-86-5		
10.359	10.358	0.001	19920294	0.02000	0.01981			
9 2,4,5-TP(SILVEX)						CAS #: 93-72-1		
10.885	10.884	0.001	13090599	0.04000	0.04128			
10 2,4,5-T						CAS #: 93-76-5		
11.339	11.339	0.000	7724042	0.04000	0.04380			
11 2,4-DB						CAS #: 94-82-6		
11.773	11.774	-0.001	11205071	0.16000	0.1784			

Data File: \\pitsvr06\d\chem\gc1.i\10042B.b\B1020053.D
Report Date: 04-Oct-2012 12:21

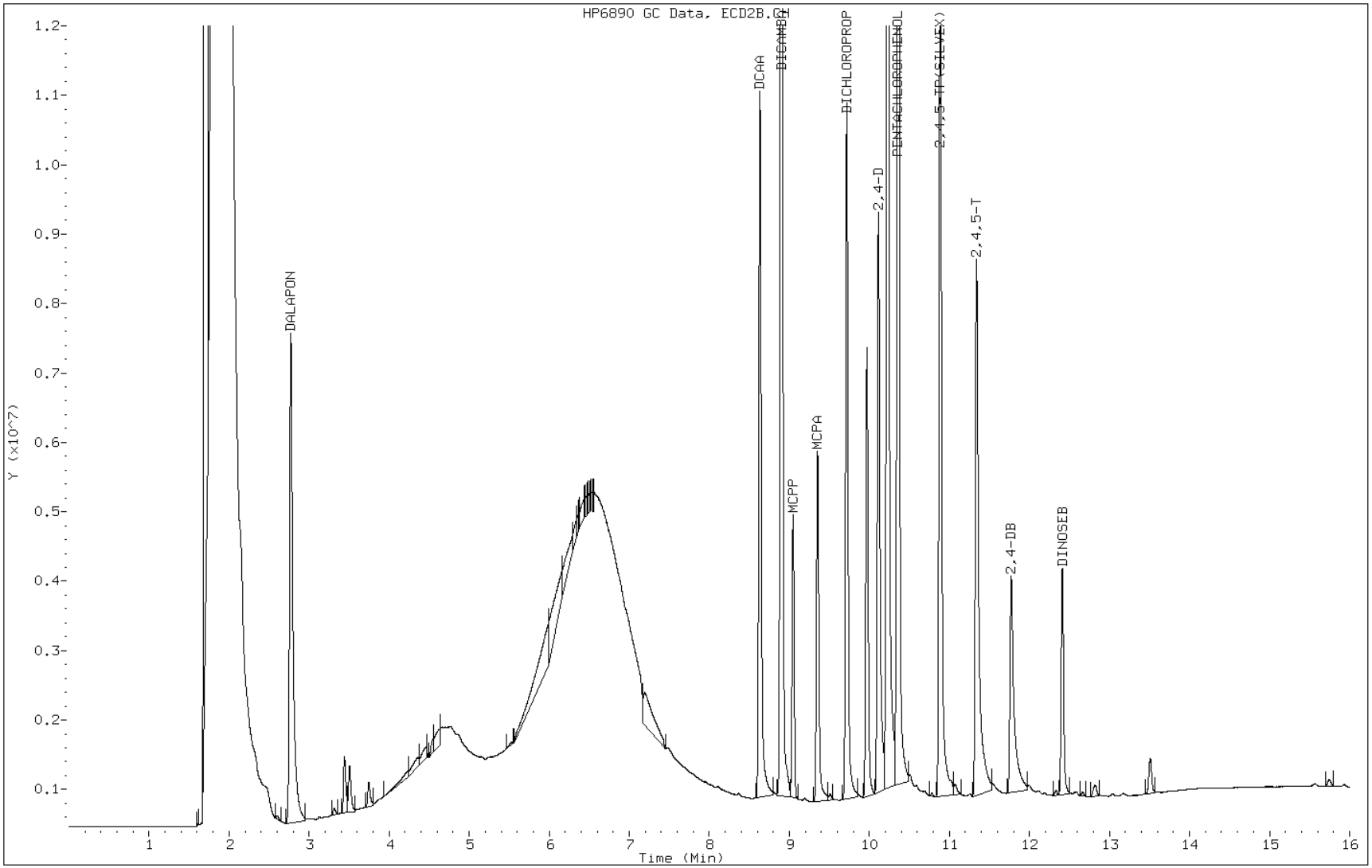
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
12 DINOSEB					CAS #: 88-85-7			
12.411	12.410	0.001	3261503	0.02400	0.02381			

Data File: B1020053.D

Date: 04-OCT-2012 11:44

Client ID: Instrument: gc1.i

Sample Info: 10042B.B Operator: 01797



Data File: \\pitsvr06\d\chem\gc1.i\10042B.b\B1020054.D
Report Date: 04-Oct-2012 12:57

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc1.i\10042B.b\B1020054.D
Lab Smp Id: IC 585486
Inj Date : 04-OCT-2012 12:09
Operator : 01797 Inst ID: gc1.i
Smp Info : 10042B.B
Misc Info : IC 585486
Comment :
Method : \\pitsvr06\d\chem\gc1.i\10042B.b\Therbb.m
Meth Date : 04-Oct-2012 12:57 eppinged Quant Type: ESTD
Cal Date : 04-OCT-2012 12:09 Cal File: B1020054.D
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-509

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
1 DALAPON						CAS #: 75-99-0		
2.775	2.774	0.001	13265228	0.16000	0.1500			
$ 2 DCAA						CAS #: 19719-28-9		
8.630	8.632	-0.002	20415077	0.32000	0.3112			
3 DICAMBA						CAS #: 1918-00-9		
8.899	8.899	0.000	47404879	0.16000	0.1590			
4 MCPP						CAS #: 7085-19-0		
9.045	9.045	0.000	8705619	32.0000	35.71			(A)
5 MCPA						CAS #: 94-74-6		
9.350	9.352	-0.002	10573985	32.0000	33.34			(A)
6 DICHLOROPROP						CAS #: 120-36-5		
9.715	9.716	-0.001	20465278	0.32000	0.3208			(A)
7 2,4-D						CAS #: 94-75-7		
10.110	10.113	-0.003	18068071	0.32000	0.3671			(A)
8 PENTACHLOROPHENOL						CAS #: 87-86-5		
10.356	10.358	-0.002	41397997	0.04000	0.04093			(A)
9 2,4,5-TP(SILVEX)						CAS #: 93-72-1		
10.882	10.884	-0.002	27934300	0.08000	0.08635			(A)
10 2,4,5-T						CAS #: 93-76-5		
11.335	11.339	-0.004	16893107	0.08000	0.09216			(A)
11 2,4-DB						CAS #: 94-82-6		
11.767	11.774	-0.007	24279856	0.32000	0.3711			(A)

Data File: \\pitsvr06\d\chem\gc1.i\10042B.b\B1020054.D
Report Date: 04-Oct-2012 12:57

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
12 DINOSEB					CAS #: 88-85-7			
12.408	12.410	-0.002	6589255	0.04800	0.04808			(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: B1020054.D

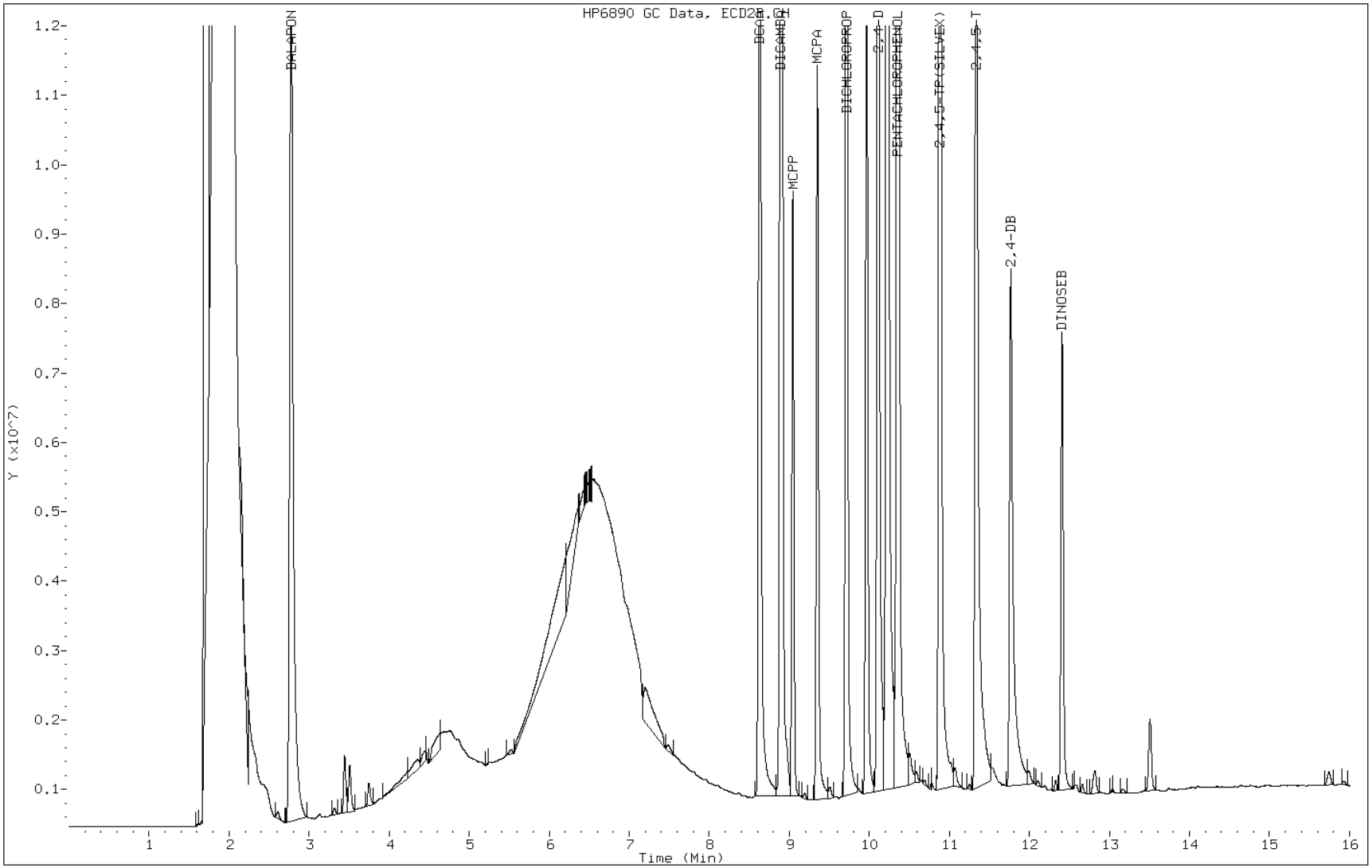
Date: 04-OCT-2012 12:09

Client ID:

Instrument: gc1.i

Sample Info: 10042B.B

Operator: 01797



FORM VI
HERBICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 50879

SDG No.:

Instrument ID: GC1 GC Column: RTX-50 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/04/2012 10:53 Calibration End Date: 10/04/2012 12:34 Calibration ID: 6811

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-50879/1	A1020050.D
Level 2	IC 180-50879/2	A1020051.D
Level 3	ICRT 180-50879/3	A1020052.D
Level 4	IC 180-50879/4	A1020053.D
Level 5	IC 180-50879/5	A1020054.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Dalapon	2.565	2.564	2.566	2.562	2.570						2.536 - 2.596	2.565
MCPP	8.855	8.856	8.855	8.856	8.856						8.825 - 8.885	8.855
Dicamba	8.952	8.953	8.953	8.953	8.952						8.923 - 8.983	8.953
MCPA	9.278	9.280	9.279	9.279	9.278						9.249 - 9.309	9.279
Dichlorprop	9.558	9.559	9.559	9.559	9.558						9.529 - 9.589	9.559
2,4-D	10.054	10.054	10.052	10.053	10.051						10.022 - 10.082	10.053
Pentachlorophenol	10.605	10.605	10.606	10.607	10.606						10.576 - 10.636	10.606
Silvex (2,4,5-TP)	10.731	10.731	10.731	10.731	10.730						10.701 - 10.761	10.731
2,4,5-T	11.286	11.286	11.284	11.283	11.281						11.254 - 11.314	11.284
Dinoseb	11.527	11.527	11.527	11.526	11.526						11.477 - 11.577	11.527
2,4-DB	11.671	11.671	11.667	11.665	11.664						11.637 - 11.697	11.668
2,4-Dichlorophenylacetic acid	8.649	8.650	8.649	8.650	8.648						8.619 - 8.679	8.649

FORM VI
HERBICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 50879

SDG No.:

Instrument ID: GC1 GC Column: RTX-50 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/04/2012 10:53 Calibration End Date: 10/04/2012 12:34 Calibration ID: 6811

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-50879/1	A1020050.D
Level 2	IC 180-50879/2	A1020051.D
Level 3	ICRT 180-50879/3	A1020052.D
Level 4	IC 180-50879/4	A1020053.D
Level 5	IC 180-50879/5	A1020054.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
Dalapon	22201600 26454094	20972300	25014750	26011738	Ave		24130896.3				10.0		20.0			
MCPP	92634 119060	88854	101491	110578	Ave		102523.075				12.2		20.0			
Dicamba	156792700 136025744	135322900	137926225	136426563	Ave		140498826				6.5		20.0			
MCPA	152642 162913	138105	147922	155523	Ave		151420.844				6.1		20.0			
Dichlorprop	38350400 33873059	33553175	34320800	34211431	Ave		34861773.1				5.7		20.0			
2,4-D	28885250 33891513	27174875	30302363	32860575	Ave		30622915.0				9.0		20.0			
Pentachlorophenol	596802400 594911575	537509800	570591000	591169300	Ave		578196815				4.3		20.0			
Silvex (2,4,5-TP)	186827000 189946838	167085700	182084850	191653325	Ave		183519543				5.4		20.0			
2,4,5-T	112020000 144697688	102987100	117898600	132900425	Ave		122100763				13.7		20.0			
Dinoseb	90559333 83644521	78093667	79061000	81565542	Ave		82584812.5				6.0		20.0			
2,4-DB	9843100 14270853	9055975	10532888	12644425	Ave		11269448.1				19.0		20.0			
2,4-Dichlorophenylacetic acid	41257600 34295556	35410025	35835088	35422988	Ave		36444251.3				7.5		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
HERBICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1 Analy Batch No.: 50879

SDG No.:

Instrument ID: GC1 GC Column: RTX-50 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/04/2012 10:53 Calibration End Date: 10/04/2012 12:34 Calibration ID: 6811

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-50879/1	A1020050.D
Level 2	IC 180-50879/2	A1020051.D
Level 3	ICRT 180-50879/3	A1020052.D
Level 4	IC 180-50879/4	A1020053.D
Level 5	IC 180-50879/5	A1020054.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Dalapon	Ave	222016	419446	1000590	2080939	4232655	0.0100	0.0200	0.0400	0.0800	0.160
MCPP	Ave	185267	355415	811924	1769245	3809914	2.00	4.00	8.00	16.0	32.0
Dicamba	Ave	1567927	2706458	5517049	10914125	21764119	0.0100	0.0200	0.0400	0.0800	0.160
MCPA	Ave	305283	552420	1183373	2488363	5213229	2.00	4.00	8.00	16.0	32.0
Dichlorprop	Ave	767008	1342127	2745664	5473829	10839379	0.0200	0.0400	0.0800	0.160	0.320
2,4-D	Ave	577705	1086995	2424189	5257692	10845284	0.0200	0.0400	0.0800	0.160	0.320
Pentachlorophenol	Ave	1492006	2687549	5705910	11823386	23796463	0.00250	0.00500	0.0100	0.0200	0.0400
Silvex (2,4,5-TP)	Ave	934135	1670857	3641697	7666133	15195747	0.00500	0.0100	0.0200	0.0400	0.0800
2,4,5-T	Ave	560100	1029871	2357972	5316017	11575815	0.00500	0.0100	0.0200	0.0400	0.0800
Dinoseb	Ave	271678	468562	948732	1957573	4014937	0.00300	0.00600	0.0120	0.0240	0.0480
2,4-DB	Ave	196862	362239	842631	2023108	4566673	0.0200	0.0400	0.0800	0.160	0.320
2,4-Dichlorophenylacetic acid	Ave	825152	1416401	2866807	5667678	10974578	0.0200	0.0400	0.0800	0.160	0.320

Curve Type Legend:

Ave = Average by Height

Data File: \\pitsvr06\d\chem\gc1.i\10042A.b\A1020050.D
Report Date: 04-Oct-2012 12:22

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc1.i\10042A.b\A1020050.D
Lab Smp Id: IC 585446
Inj Date : 04-OCT-2012 10:53
Operator : 01797 Inst ID: gc1.i
Smp Info : 10042A.B
Misc Info : IC 585446
Comment :
Method : \\pitsvr06\d\chem\gc1.i\10042A.b\Therba.m
Meth Date : 04-Oct-2012 12:22 eppinged Quant Type: ESTD
Cal Date : 04-OCT-2012 10:53 Cal File: A1020050.D
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-509

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
1 DALAPON						CAS #: 75-99-0		
2.565	2.565	0.000	222016	0.01000	0.009768			
$ 2 DCAA						CAS #: 19719-28-9		
8.648	8.649	-0.001	825152	0.02000	0.02200			
3 MCPP						CAS #: 7085-19-0		
8.854	8.854	0.000	185267	2.00000	1.964			
4 DICAMBA						CAS #: 1918-00-9		
8.952	8.953	-0.001	1567927	0.01000	0.01094			
5 MCPA						CAS #: 94-74-6		
9.277	9.279	-0.002	305283	2.00000	2.088			
6 DICHLOROPROP						CAS #: 120-36-5		
9.557	9.559	-0.002	767008	0.02000	0.02166			
7 2,4-D						CAS #: 94-75-7		
10.053	10.052	0.001	577705	0.02000	0.02007			
8 PENTACHLOROPHENOL						CAS #: 87-86-5		
10.605	10.605	0.000	1492006	0.00250	0.002625			
9 2,4,5-TP(SILVEX)						CAS #: 93-72-1		
10.731	10.730	0.001	934135	0.00500	0.005228			
10 2,4,5-T						CAS #: 93-76-5		
11.286	11.284	0.002	560100	0.00500	0.005047			
11 DINOSEB						CAS #: 88-85-7		
11.527	11.526	0.001	271678	0.00300	0.003290			

Data File: \\pitsvr06\d\chem\gc1.i\10042A.b\A1020050.D
Report Date: 04-Oct-2012 12:22

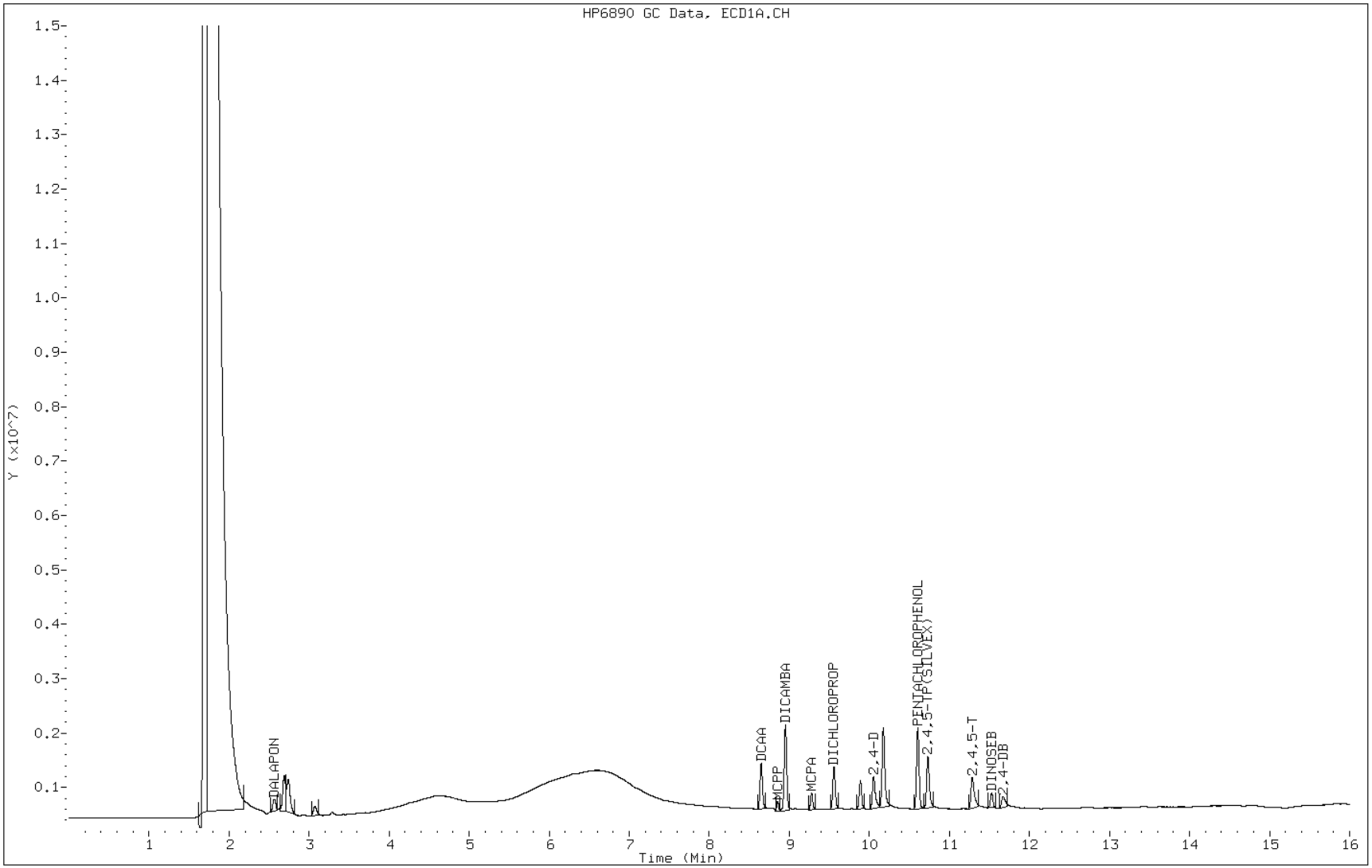
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
12 2,4-DB					CAS #: 94-82-6			
11.671	11.666	0.005	196862	0.02000	0.02007			

Data File: A1020050.D

Date: 04-OCT-2012 10:53

Client ID: Instrument: gc1.i

Sample Info: 10042A.B Operator: 01797



Data File: \\pitsvr06\d\chem\gc1.i\10042A.b\A1020051.D
Report Date: 04-Oct-2012 12:22

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc1.i\10042A.b\A1020051.D
Lab Smp Id: IC 585459
Inj Date : 04-OCT-2012 11:19
Operator : 01797 Inst ID: gc1.i
Smp Info : 10042A.B
Misc Info : IC 585459
Comment :
Method : \\pitsvr06\d\chem\gc1.i\10042A.b\Therba.m
Meth Date : 04-Oct-2012 12:22 eppinged Quant Type: ESTD
Cal Date : 04-OCT-2012 11:19 Cal File: A1020051.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-509

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
1 DALAPON						CAS #: 75-99-0		
2.563	2.565	-0.002	419446	0.02000	0.01845			
$ 2 DCAA						CAS #: 19719-28-9		
8.649	8.649	0.000	1416401	0.04000	0.03777			
3 MCPP						CAS #: 7085-19-0		
8.856	8.854	0.002	355415	4.00000	3.768			
4 DICAMBA						CAS #: 1918-00-9		
8.953	8.953	0.000	2706458	0.02000	0.01888			
5 MCPA						CAS #: 94-74-6		
9.279	9.279	0.000	552420	4.00000	3.778			
6 DICHLOROPROP						CAS #: 120-36-5		
9.558	9.559	-0.001	1342127	0.04000	0.03790			
7 2,4-D						CAS #: 94-75-7		
10.053	10.052	0.001	1086995	0.04000	0.03776			
8 PENTACHLOROPHENOL						CAS #: 87-86-5		
10.604	10.605	-0.001	2687549	0.00500	0.004729			
9 2,4,5-TP(SILVEX)						CAS #: 93-72-1		
10.730	10.730	0.000	1670857	0.01000	0.009352			
10 2,4,5-T						CAS #: 93-76-5		
11.285	11.284	0.001	1029871	0.01000	0.009281			
11 DINOSEB						CAS #: 88-85-7		
11.527	11.526	0.001	468562	0.00600	0.005675			

Data File: \\pitsvr06\d\chem\gc1.i\10042A.b\A1020051.D
Report Date: 04-Oct-2012 12:22

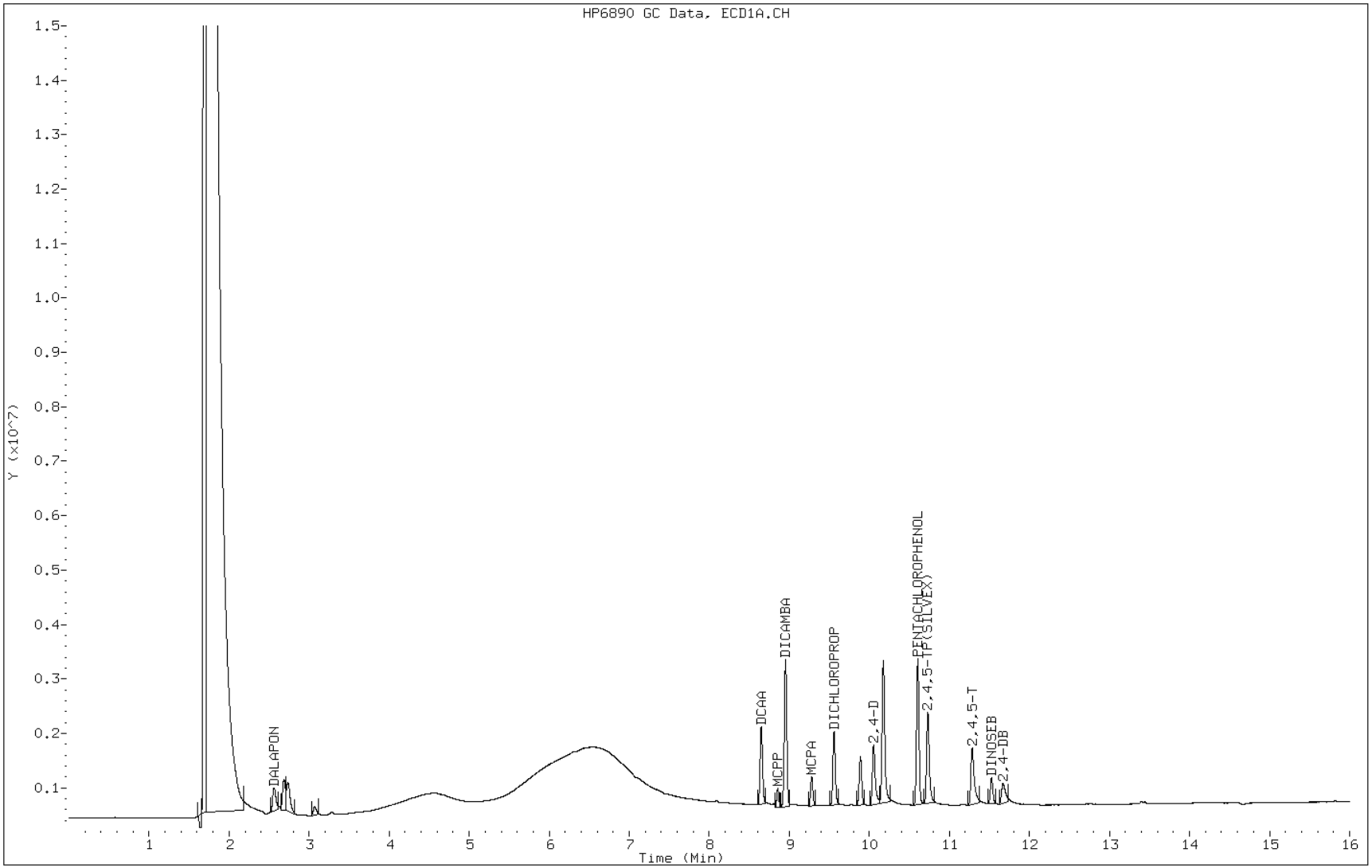
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
12 2,4-DB					CAS #: 94-82-6			
11.670	11.666	0.004	362239	0.04000	0.03692			

Data File: A1020051.D

Date: 04-OCT-2012 11:19

Client ID: Instrument: gc1.i

Sample Info: 10042A.B Operator: 01797



Data File: \\pitsvr06\d\chem\gc1.i\10042A.b\A1020052.D
Report Date: 04-Oct-2012 12:22

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc1.i\10042A.b\A1020052.D
Lab Smp Id: ICRT 585464
Inj Date : 04-OCT-2012 11:44
Operator : 01797 Inst ID: gc1.i
Smp Info : 10042A.B
Misc Info : ICRT 585464
Comment :
Method : \\pitsvr06\d\chem\gc1.i\10042A.b\Therba.m
Meth Date : 04-Oct-2012 12:22 eppinged Quant Type: ESTD
Cal Date : 04-OCT-2012 11:44 Cal File: A1020052.D
Als bottle: 3 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-509

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
1 DALAPON						CAS #: 75-99-0		
2.565	2.565	0.000	1000590	0.04000	0.04402			
$ 2 DCAA						CAS #: 19719-28-9		
8.649	8.649	0.000	2866807	0.08000	0.07645			
3 MCPP						CAS #: 7085-19-0		
8.854	8.854	0.000	811924	8.00000	8.608			
4 DICAMBA						CAS #: 1918-00-9		
8.953	8.953	0.000	5517049	0.04000	0.03849			
5 MCPA						CAS #: 94-74-6		
9.279	9.279	0.000	1183373	8.00000	8.093			
6 DICHLOROPROP						CAS #: 120-36-5		
9.559	9.559	0.000	2745664	0.08000	0.07754			
7 2,4-D						CAS #: 94-75-7		
10.052	10.052	0.000	2424189	0.08000	0.08421			
8 PENTACHLOROPHENOL						CAS #: 87-86-5		
10.605	10.605	0.000	5705910	0.01000	0.01004			
9 2,4,5-TP(SILVEX)						CAS #: 93-72-1		
10.730	10.730	0.000	3641697	0.02000	0.02038			
10 2,4,5-T						CAS #: 93-76-5		
11.284	11.284	0.000	2357972	0.02000	0.02125			
11 DINOSEB						CAS #: 88-85-7		
11.526	11.526	0.000	948732	0.01200	0.01149			

Data File: \\pitsvr06\d\chem\gc1.i\10042A.b\A1020052.D
Report Date: 04-Oct-2012 12:22

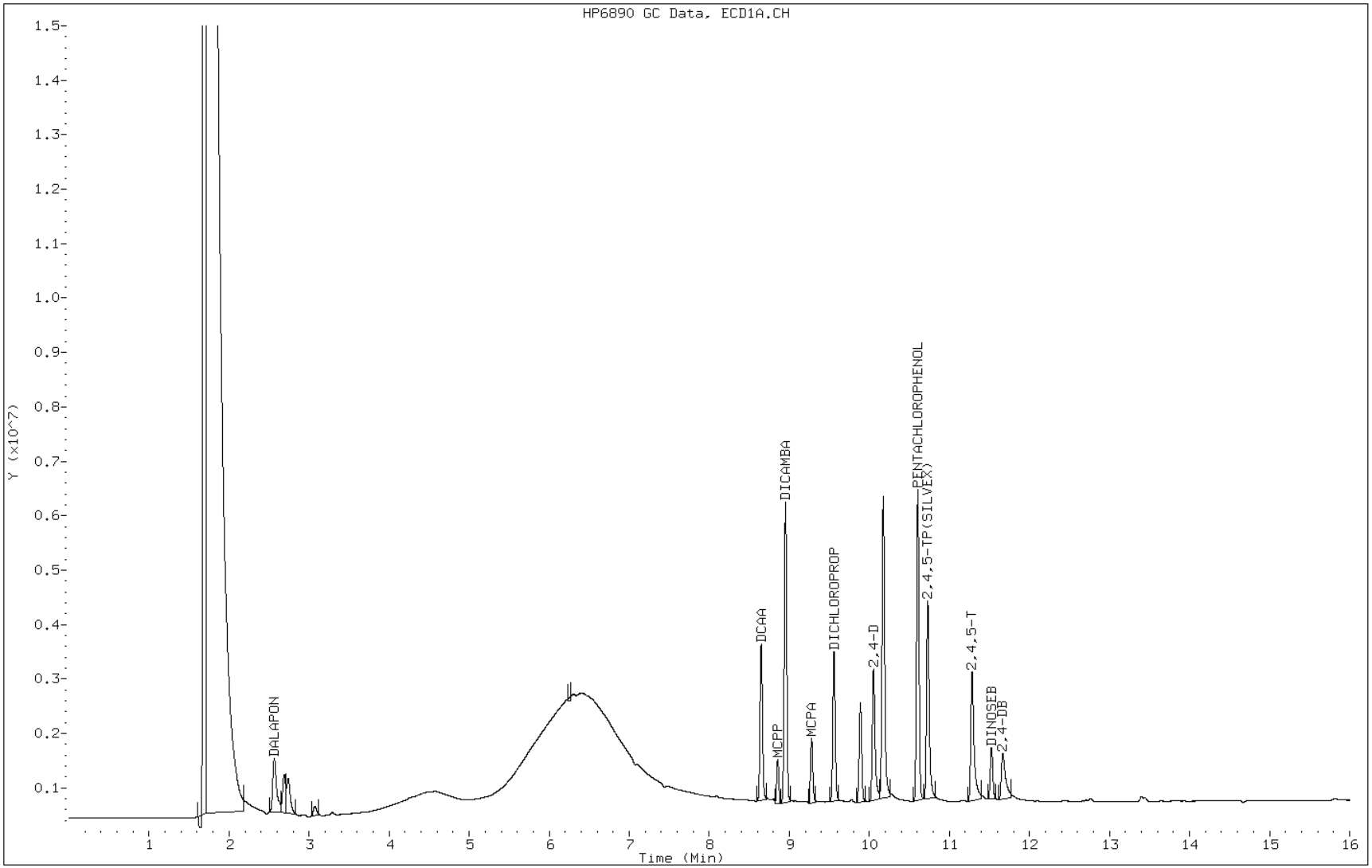
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
12 2,4-DB					CAS #: 94-82-6			
11.666	11.666	0.000	842631	0.08000	0.08589			

Data File: A1020052.D

Date: 04-OCT-2012 11:44

Client ID: Instrument: gc1.i

Sample Info: 10042A.B Operator: 01797



Data File: \\pitsvr06\d\chem\gc1.i\10042A.b\A1020053.D
Report Date: 04-Oct-2012 12:56

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc1.i\10042A.b\A1020053.D
Lab Smp Id: IC 585485
Inj Date : 04-OCT-2012 12:09
Operator : 01797 Inst ID: gc1.i
Smp Info : 10042A.B
Misc Info : IC 585485
Comment :
Method : \\pitsvr06\d\chem\gc1.i\10042A.b\Therba.m
Meth Date : 04-Oct-2012 12:56 eppinged Quant Type: ESTD
Cal Date : 04-OCT-2012 12:09 Cal File: A1020053.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-509

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
1 DALAPON						CAS #: 75-99-0		
2.561	2.565	-0.004	2080939	0.08000	0.08836			
$ 2 DCAA						CAS #: 19719-28-9		
8.650	8.649	0.001	5667678	0.16000	0.1532			
3 MCPP						CAS #: 7085-19-0		
8.855	8.854	0.001	1769245	16.0000	17.98			
4 DICAMBA						CAS #: 1918-00-9		
8.953	8.953	0.000	10914125	0.08000	0.07707			
5 MCPA						CAS #: 94-74-6		
9.279	9.279	0.000	2488363	16.0000	16.75			
6 DICHLOROPROP						CAS #: 120-36-5		
9.559	9.559	0.000	5473829	0.16000	0.1559			
7 2,4-D						CAS #: 94-75-7		
10.052	10.052	0.000	5257692	0.16000	0.1764			
8 PENTACHLOROPHENOL						CAS #: 87-86-5		
10.606	10.605	0.001	11823386	0.02000	0.02060			
9 2,4,5-TP(SILVEX)						CAS #: 93-72-1		
10.730	10.730	0.000	7666133	0.04000	0.04214			
10 2,4,5-T						CAS #: 93-76-5		
11.283	11.284	-0.001	5316017	0.04000	0.04565			
11 DINOSEB						CAS #: 88-85-7		
11.525	11.526	-0.001	1957573	0.02400	0.02378			

Data File: \\pitsvr06\d\chem\gc1.i\10042A.b\A1020053.D
Report Date: 04-Oct-2012 12:56

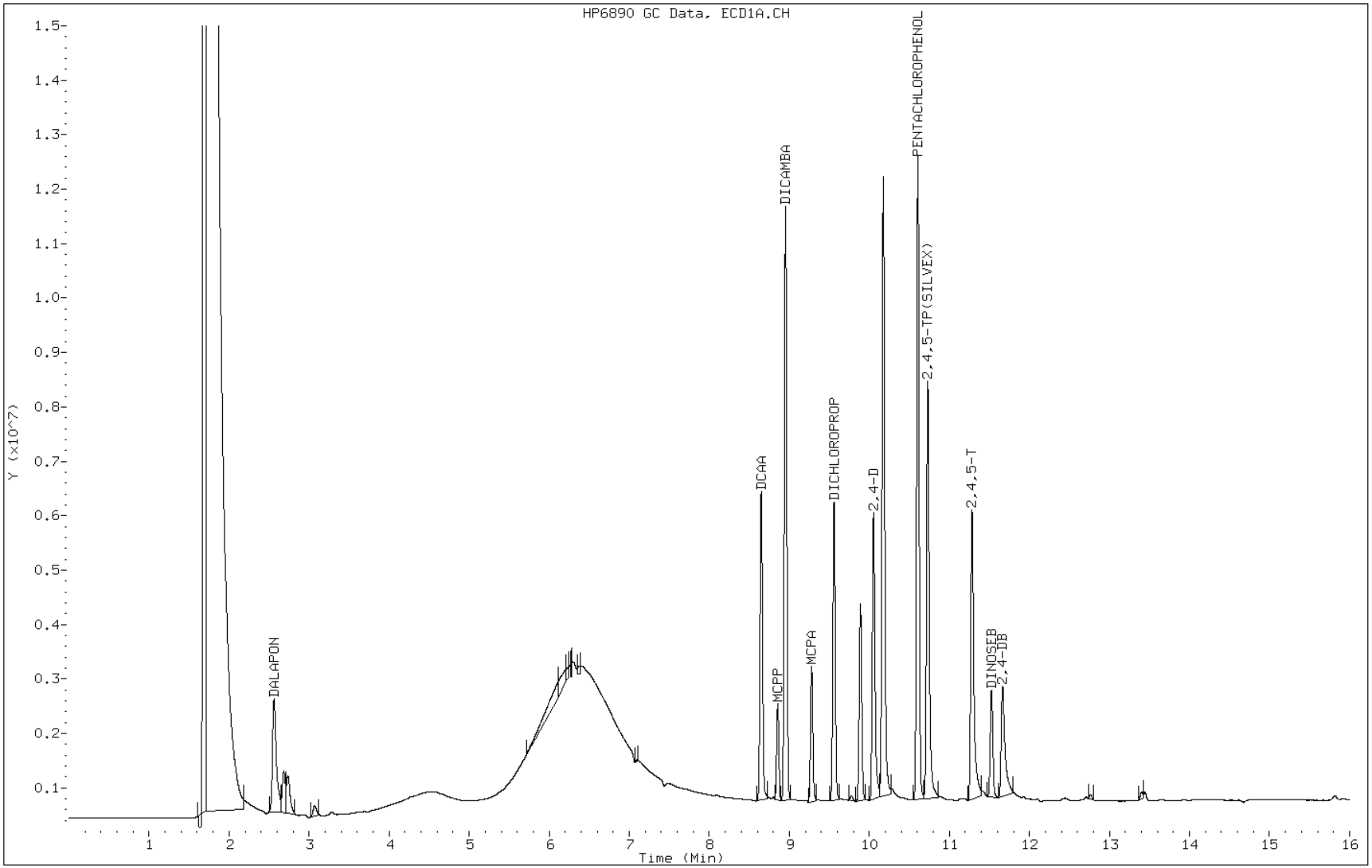
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
12 2,4-DB					CAS #: 94-82-6			
11.665	11.666	-0.001	2023108	0.16000	0.1923			

Data File: A1020053.D

Date: 04-OCT-2012 12:09

Client ID: Instrument: gc1.i

Sample Info: 10042A.B Operator: 01797



Data File: \\pitsvr06\d\chem\gc1.i\10042A.b\A1020054.D
Report Date: 04-Oct-2012 13:14

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc1.i\10042A.b\A1020054.D
Lab Smp Id: IC 585486
Inj Date : 04-OCT-2012 12:34
Operator : 01797 Inst ID: gc1.i
Smp Info : 10042A.B
Misc Info : IC 585486
Comment :
Method : \\pitsvr06\d\chem\gc1.i\10042A.b\Therba.m
Meth Date : 04-Oct-2012 13:14 eppinged Quant Type: ESTD
Cal Date : 04-OCT-2012 12:34 Cal File: A1020054.D
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-509

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
1 DALAPON						CAS #: 75-99-0		
2.569	2.565	0.004	4232655	0.16000	0.1754			(A)
$ 2 DCAA						CAS #: 19719-28-9		
8.648	8.649	-0.001	10974578	0.32000	0.3011			
3 MCPP						CAS #: 7085-19-0		
8.855	8.854	0.001	3809914	32.0000	37.16			(A)
4 DICAMBA						CAS #: 1918-00-9		
8.952	8.953	-0.001	21764119	0.16000	0.1549			
5 MCPA						CAS #: 94-74-6		
9.278	9.279	-0.001	5213229	32.0000	34.43			(A)
6 DICHLOROPROP						CAS #: 120-36-5		
9.558	9.559	-0.001	10839379	0.32000	0.3109			
7 2,4-D						CAS #: 94-75-7		
10.050	10.052	-0.002	10845284	0.32000	0.3542			(A)
8 PENTACHLOROPHENOL						CAS #: 87-86-5		
10.606	10.605	0.001	23796463	0.04000	0.04116			(A)
9 2,4,5-TP(SILVEX)						CAS #: 93-72-1		
10.729	10.730	-0.001	15195747	0.08000	0.08280			(A)
10 2,4,5-T						CAS #: 93-76-5		
11.281	11.284	-0.003	11575815	0.08000	0.09480			(A)
11 DINOSEB						CAS #: 88-85-7		
11.526	11.526	0.000	4014937	0.04800	0.04862			(A)

Data File: \\pitsvr06\d\chem\gc1.i\10042A.b\A1020054.D
Report Date: 04-Oct-2012 13:14

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
12 2,4-DB					CAS #: 94-82-6			
11.663	11.666	-0.003	4566673	0.32000	0.4052			(A)

QC Flag Legend

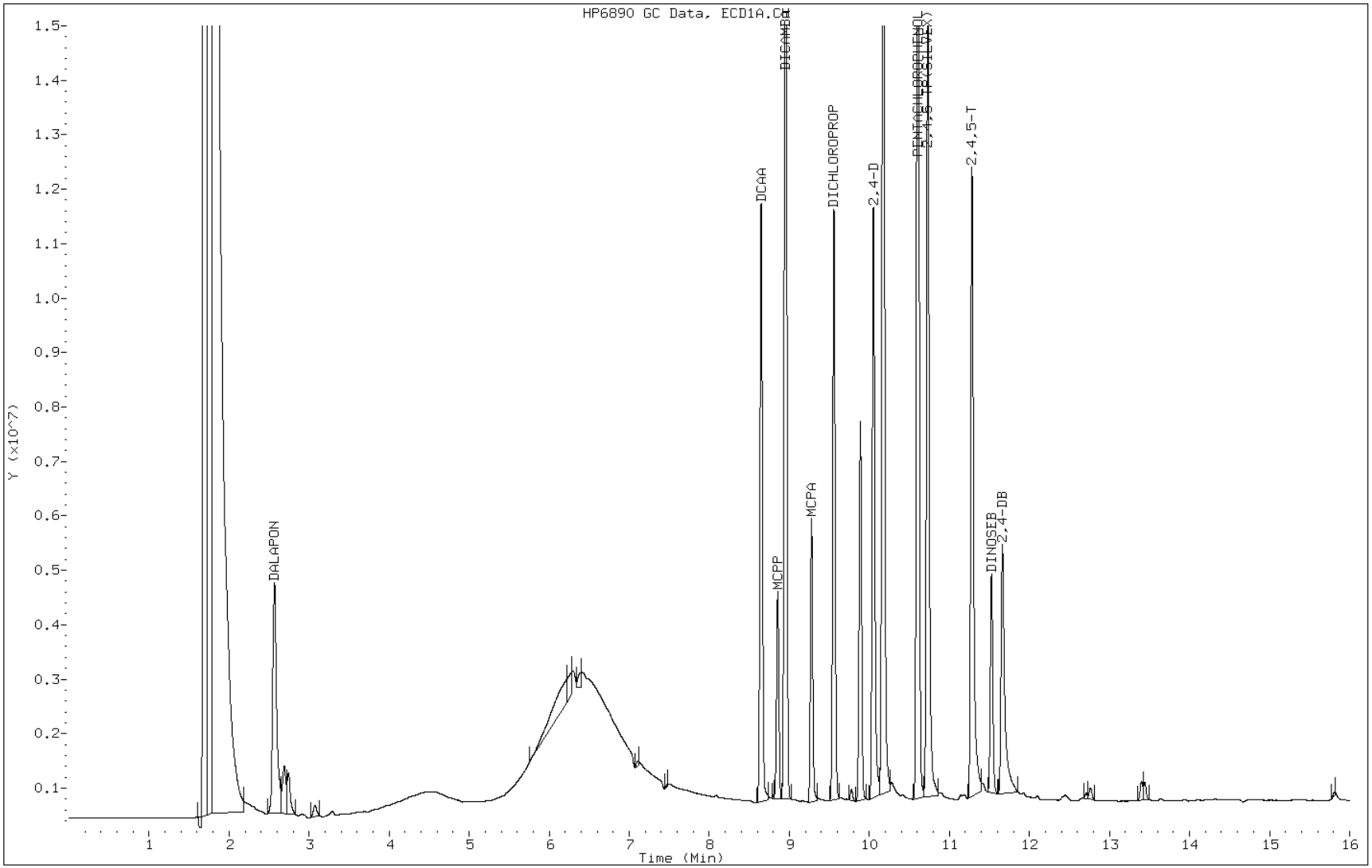
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: A1020054.D

Date: 04-OCT-2012 12:34

Client ID: Instrument: gc1.i

Sample Info: 10042A.B Operator: 01797



FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: CCVRT 180-51405/1 Calibration Date: 10/09/2012 13:16

Instrument ID: GC1 Calib Start Date: 10/04/2012 10:28

GC Column: RTX-1701 ID: 0.53(mm) Calib End Date: 10/04/2012 12:09

Lab File ID: B1020096.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	88441173	99040225		0.0448	0.0400	12.0	15.0
Dicamba	Ave	298045471	301450200		0.0405	0.0400	1.1	15.0
MCPP	Ave	243769	238874		7.84	8.00	-2.0	15.0
MCPA	Ave	317175	296497		7.48	8.00	-6.5	15.0
Dichlorprop	Ave	63788971	62694475		0.0786	0.0800	-1.7	15.0
2,4-D	Ave	49218026	46504750		0.0756	0.0800	-5.5	15.0
Pentachlorophenol	Ave	1011374745	1039499700		0.0103	0.0100	2.8	15.0
Silvex (2,4,5-TP)	Ave	323499535	321200450		0.0199	0.0200	-0.7	15.0
2,4,5-T	Ave	183302218	172341000		0.0188	0.0200	-6.0	15.0
2,4-DB	Ave	65418669	62632838		0.0766	0.0800	-4.3	15.0
Dinoseb	Ave	137055354	135193167		0.0118	0.0120	-1.4	15.0
2,4-Dichlorophenylacetic acid	Ave	65608272	63646050		0.0776	0.0800	-3.0	15.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: CCVRT 180-51405/1 Calibration Date: 10/09/2012 13:16

Instrument ID: GC1 Calib Start Date: 10/04/2012 10:28

GC Column: RTX-1701 ID: 0.53(mm) Calib End Date: 10/04/2012 12:09

Lab File ID: B1020096.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	2.77	2.74	2.80
Dicamba	8.90	8.87	8.93
MCPP	9.05	9.02	9.08
MCPA	9.35	9.32	9.38
Dichlorprop	9.72	9.69	9.75
2,4-D	10.11	10.08	10.14
Pentachlorophenol	10.36	10.33	10.39
Silvex (2,4,5-TP)	10.89	10.86	10.92
2,4,5-T	11.34	11.31	11.37
2,4-DB	11.78	11.75	11.81
Dinoseb	12.41	12.38	12.44
2,4-Dichlorophenylacetic acid	8.63	8.60	8.66

Data File: \\pitsvr06\d\chem\gc1.i\10092B.b\B1020096.D
Report Date: 10-Oct-2012 09:51

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc1.i\10092B.b\B1020096.D
Lab Smp Id: CCVRT 585464
Inj Date : 09-OCT-2012 13:16
Operator : 01797 Inst ID: gc1.i
Smp Info : 10092B.B
Misc Info : CCVRT 585464
Comment :
Method : \\pitsvr06\d\chem\gc1.i\10092B.b\Therbb.m
Meth Date : 10-Oct-2012 09:51 eppinged Quant Type: ESTD
Cal Date : 04-OCT-2012 12:09 Cal File: B1020054.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-509

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
1 DALAPON						CAS #: 75-99-0		
2.772	2.772	0.000	3961609	0.04000	0.04479			
$ 2 DCAA						CAS #: 19719-28-9		
8.632	8.632	0.000	5091684	0.08000	0.07761			
3 DICAMBA						CAS #: 1918-00-9		
8.900	8.900	0.000	12058008	0.04000	0.04046			
4 MCPP						CAS #: 7085-19-0		
9.047	9.047	0.000	1910990	8.00000	7.839			
5 MCPA						CAS #: 94-74-6		
9.352	9.352	0.000	2371979	8.00000	7.478			
6 DICHLOROPROP						CAS #: 120-36-5		
9.717	9.717	0.000	5015558	0.08000	0.07863			
7 2,4-D						CAS #: 94-75-7		
10.113	10.113	0.000	3720380	0.08000	0.07559			
8 PENTACHLOROPHENOL						CAS #: 87-86-5		
10.358	10.358	0.000	10394997	0.01000	0.01028			
9 2,4,5-TP(SILVEX)						CAS #: 93-72-1		
10.885	10.885	0.000	6424009	0.02000	0.01986			
10 2,4,5-T						CAS #: 93-76-5		
11.342	11.342	0.000	3446820	0.02000	0.01880			
11 2,4-DB						CAS #: 94-82-6		
11.777	11.777	0.000	5010627	0.08000	0.07659			

Data File: \\pitsvr06\d\chem\gc1.i\10092B.b\B1020096.D
Report Date: 10-Oct-2012 09:51

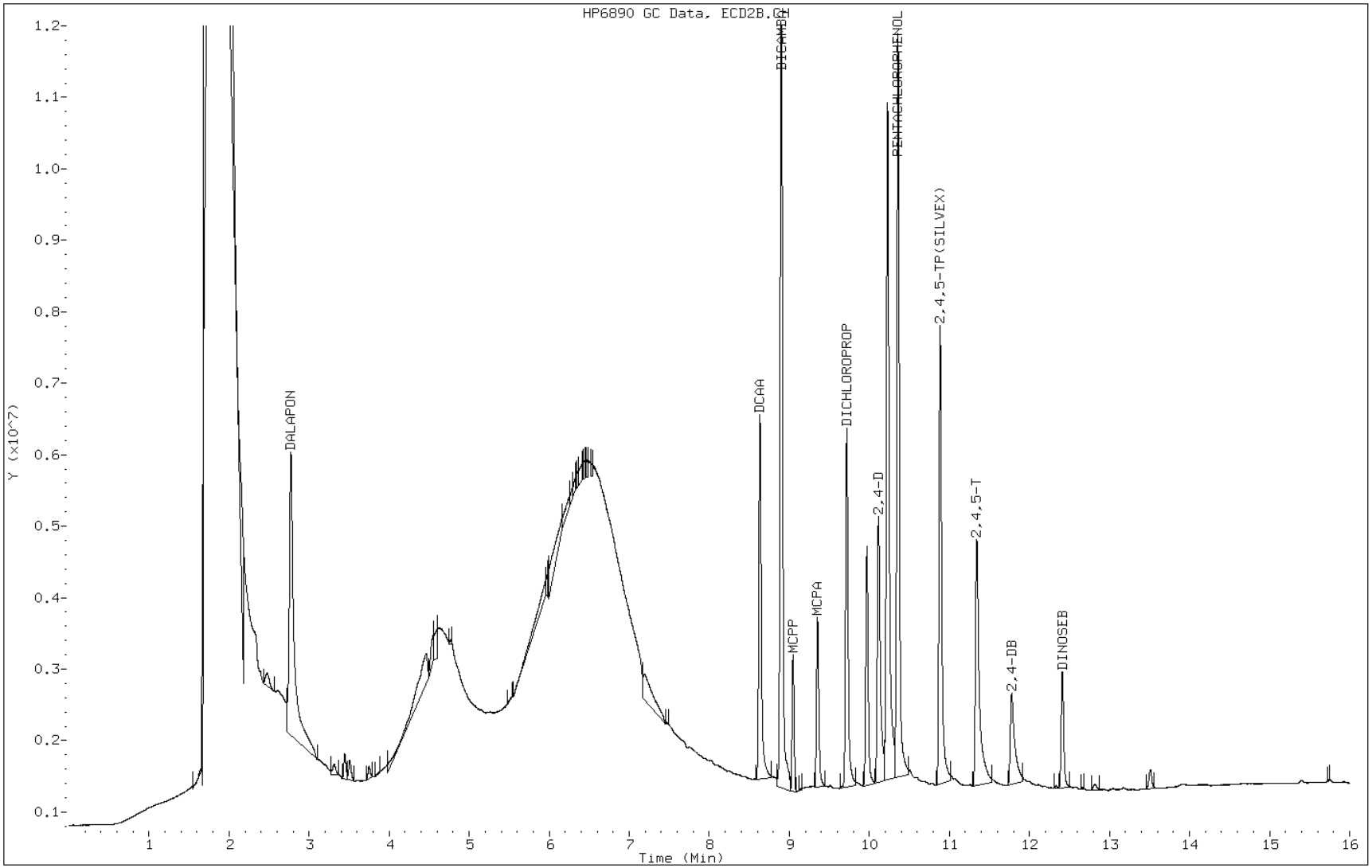
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
12 DINOSEB					CAS #: 88-85-7			
12.412	12.412	0.000	1622318	0.01200	0.01184			

Data File: B1020096.D

Date: 09-OCT-2012 13:16

Client ID: Instrument: gc1.i

Sample Info: 10092B.B Operator: 01797



FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: CCVRT 180-51402/1 Calibration Date: 10/09/2012 13:40

Instrument ID: GC1 Calib Start Date: 10/04/2012 10:53

GC Column: RTX-50 ID: 0.53(mm) Calib End Date: 10/04/2012 12:34

Lab File ID: A1020096.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	24130896	26774200		0.0444	0.0400	11.0	15.0
MCPP	Ave	102523	101732		7.94	8.00	-0.8	15.0
Dicamba	Ave	140498826	138359325		0.0394	0.0400	-1.5	15.0
MCPA	Ave	151421	146341		7.73	8.00	-3.4	15.0
Dichlorprop	Ave	34861773	34556375		0.0793	0.0800	-0.9	15.0
2,4-D	Ave	30622915	29699350		0.0776	0.0800	-3.0	15.0
Pentachlorophenol	Ave	578196815	576202500		0.00997	0.0100	-0.3	15.0
Silvex (2,4,5-TP)	Ave	183519543	181453000		0.0198	0.0200	-1.1	15.0
2,4,5-T	Ave	122100763	120146800		0.0197	0.0200	-1.6	15.0
Dinoseb	Ave	82584813	79260417		0.0115	0.0120	-4.0	15.0
2,4-DB	Ave	11269448	11463725		0.0814	0.0800	1.7	15.0
2,4-Dichlorophenylacetic acid	Ave	36444251	35459425		0.0778	0.0800	-2.7	15.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: CCVRT 180-51402/1 Calibration Date: 10/09/2012 13:40

Instrument ID: GC1 Calib Start Date: 10/04/2012 10:53

GC Column: RTX-50 ID: 0.53(mm) Calib End Date: 10/04/2012 12:34

Lab File ID: A1020096.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	2.56	2.53	2.59
MCPP	8.85	8.82	8.88
Dicamba	8.95	8.92	8.98
MCPA	9.28	9.25	9.31
Dichlorprop	9.56	9.53	9.59
2,4-D	10.05	10.02	10.08
Pentachlorophenol	10.60	10.57	10.63
Silvex (2,4,5-TP)	10.73	10.70	10.76
2,4,5-T	11.28	11.25	11.31
Dinoseb	11.52	11.47	11.57
2,4-DB	11.67	11.64	11.70
2,4-Dichlorophenylacetic acid	8.65	8.62	8.68

Data File: \\pitsvr06\d\chem\gc1.i\10092A.b\A1020096.D
Report Date: 10-Oct-2012 09:41

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc1.i\10092A.b\A1020096.D
Lab Smp Id: CCVRT 585464
Inj Date : 09-OCT-2012 13:40
Operator : 01797 Inst ID: gc1.i
Smp Info : 10092A.B
Misc Info : CCVRT 585464
Comment :
Method : \\pitsvr06\d\chem\gc1.i\10092A.b\Therba.m
Meth Date : 10-Oct-2012 09:41 eppinged Quant Type: ESTD
Cal Date : 04-OCT-2012 12:34 Cal File: A1020054.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-509

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
1 DALAPON						CAS #: 75-99-0		
2.562	2.562	0.000	1070968	0.04000	0.04438			
$ 2 DCAA						CAS #: 19719-28-9		
8.647	8.647	0.000	2836754	0.08000	0.07784			
3 MCPP						CAS #: 7085-19-0		
8.853	8.853	0.000	813853	8.00000	7.938			
4 DICAMBA						CAS #: 1918-00-9		
8.950	8.950	0.000	5534373	0.04000	0.03939			
5 MCPA						CAS #: 94-74-6		
9.276	9.276	0.000	1170731	8.00000	7.732			
6 DICHLOROPROP						CAS #: 120-36-5		
9.556	9.556	0.000	2764510	0.08000	0.07930			
7 2,4-D						CAS #: 94-75-7		
10.050	10.050	0.000	2375948	0.08000	0.07759			
8 PENTACHLOROPHENOL						CAS #: 87-86-5		
10.603	10.603	0.000	5762025	0.01000	0.009966			
9 2,4,5-TP(SILVEX)						CAS #: 93-72-1		
10.728	10.728	0.000	3629060	0.02000	0.01977			
10 2,4,5-T						CAS #: 93-76-5		
11.282	11.282	0.000	2402936	0.02000	0.01968			
11 DINOSEB						CAS #: 88-85-7		
11.524	11.524	0.000	951125	0.01200	0.01152			

Data File: \\pitsvr06\d\chem\gc1.i\10092A.b\A1020096.D
Report Date: 10-Oct-2012 09:41

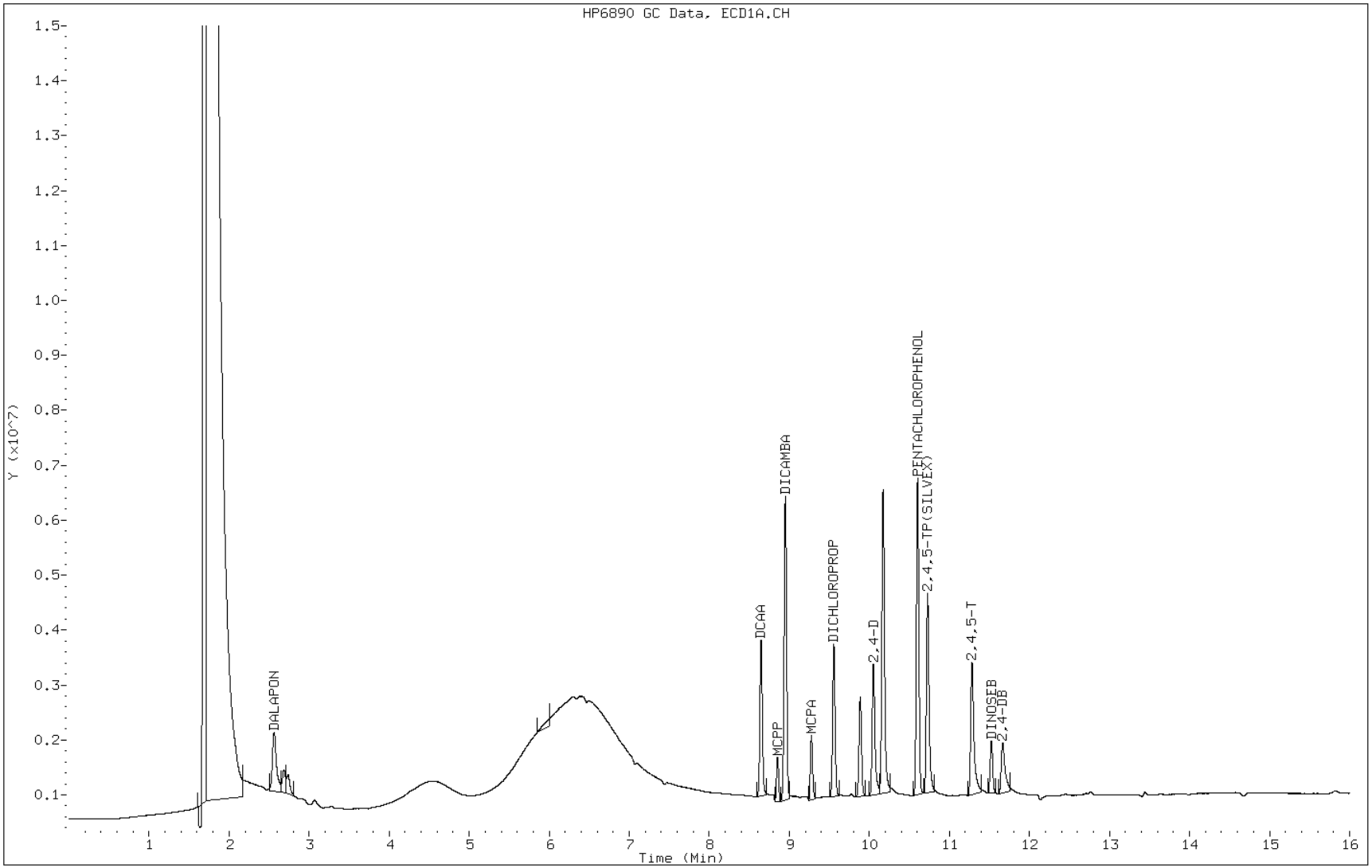
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
12 2,4-DB					CAS #: 94-82-6			
11.665	11.665	0.000	917098	0.08000	0.08138			

Data File: A1020096.D

Date: 09-OCT-2012 13:40

Client ID: Instrument: gc1.i

Sample Info: 10092A.B Operator: 01797



FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: CCV 180-51405/12 Calibration Date: 10/09/2012 17:49

Instrument ID: GC1 Calib Start Date: 10/04/2012 10:28

GC Column: RTX-1701 ID: 0.53(mm) Calib End Date: 10/04/2012 12:09

Lab File ID: B1020107.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	88441173	106210200		0.0480	0.0400	20.1*	15.0
Dicamba	Ave	298045471	302040575		0.0405	0.0400	1.3	15.0
MCPP	Ave	243769	239353		7.86	8.00	-1.8	15.0
MCPA	Ave	317175	291505		7.35	8.00	-8.1	15.0
Dichlorprop	Ave	63788971	62410288		0.0783	0.0800	-2.2	15.0
2,4-D	Ave	49218026	46013550		0.0748	0.0800	-6.5	15.0
Pentachlorophenol	Ave	1011374745	1024771000		0.0101	0.0100	1.3	15.0
Silvex (2,4,5-TP)	Ave	323499535	315849350		0.0195	0.0200	-2.4	15.0
2,4,5-T	Ave	183302218	169413050		0.0185	0.0200	-7.6	15.0
2,4-DB	Ave	65418669	63121113		0.0772	0.0800	-3.5	15.0
Dinoseb	Ave	137055354	137292250		0.0120	0.0120	0.2	15.0
2,4-Dichlorophenylacetic acid	Ave	65608272	62917513		0.0767	0.0800	-4.1	15.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: CCV 180-51405/12 Calibration Date: 10/09/2012 17:49

Instrument ID: GC1 Calib Start Date: 10/04/2012 10:28

GC Column: RTX-1701 ID: 0.53(mm) Calib End Date: 10/04/2012 12:09

Lab File ID: B1020107.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	2.77	2.74	2.80
Dicamba	8.89	8.87	8.93
MCPP	9.04	9.02	9.08
MCPA	9.35	9.32	9.38
Dichlorprop	9.71	9.69	9.75
2,4-D	10.11	10.08	10.14
Pentachlorophenol	10.35	10.33	10.39
Silvex (2,4,5-TP)	10.88	10.86	10.92
2,4,5-T	11.34	11.31	11.37
2,4-DB	11.77	11.75	11.81
Dinoseb	12.41	12.38	12.44
2,4-Dichlorophenylacetic acid	8.63	8.60	8.66

Data File: \\pitsvr06\d\chem\gc1.i\10092B.b\B1020107.D
Report Date: 10-Oct-2012 09:52

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc1.i\10092B.b\B1020107.D
Lab Smp Id: CCV 585464
Inj Date : 09-OCT-2012 17:49
Operator : 01797 Inst ID: gc1.i
Smp Info : 10092B.B
Misc Info : CCV 585464
Comment :
Method : \\pitsvr06\d\chem\gc1.i\10092B.b\Therbb.m
Meth Date : 10-Oct-2012 09:52 eppinged Quant Type: ESTD
Cal Date : 04-OCT-2012 12:09 Cal File: B1020054.D
Als bottle: 12 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-509

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
1 DALAPON						CAS #: 75-99-0		
2.769	2.772	-0.003	4248408	0.04000	0.04804			
$ 2 DCAA						CAS #: 19719-28-9		
8.626	8.632	-0.006	5033401	0.08000	0.07672			
3 DICAMBA						CAS #: 1918-00-9		
8.893	8.900	-0.007	12081623	0.04000	0.04054			
4 MCPP						CAS #: 7085-19-0		
9.039	9.047	-0.008	1914820	8.00000	7.855			
5 MCPA						CAS #: 94-74-6		
9.346	9.352	-0.006	2332041	8.00000	7.352			
6 DICHLOROPROP						CAS #: 120-36-5		
9.711	9.717	-0.006	4992823	0.08000	0.07827			
7 2,4-D						CAS #: 94-75-7		
10.107	10.113	-0.006	3681084	0.08000	0.07479			
8 PENTACHLOROPHENOL						CAS #: 87-86-5		
10.352	10.358	-0.006	10247710	0.01000	0.01013			
9 2,4,5-TP(SILVEX)						CAS #: 93-72-1		
10.879	10.885	-0.006	6316987	0.02000	0.01953			
10 2,4,5-T						CAS #: 93-76-5		
11.335	11.342	-0.007	3388261	0.02000	0.01848			
11 2,4-DB						CAS #: 94-82-6		
11.772	11.777	-0.005	5049689	0.08000	0.07719			

Data File: \\pitsvr06\d\chem\gc1.i\10092B.b\B1020107.D
Report Date: 10-Oct-2012 09:52

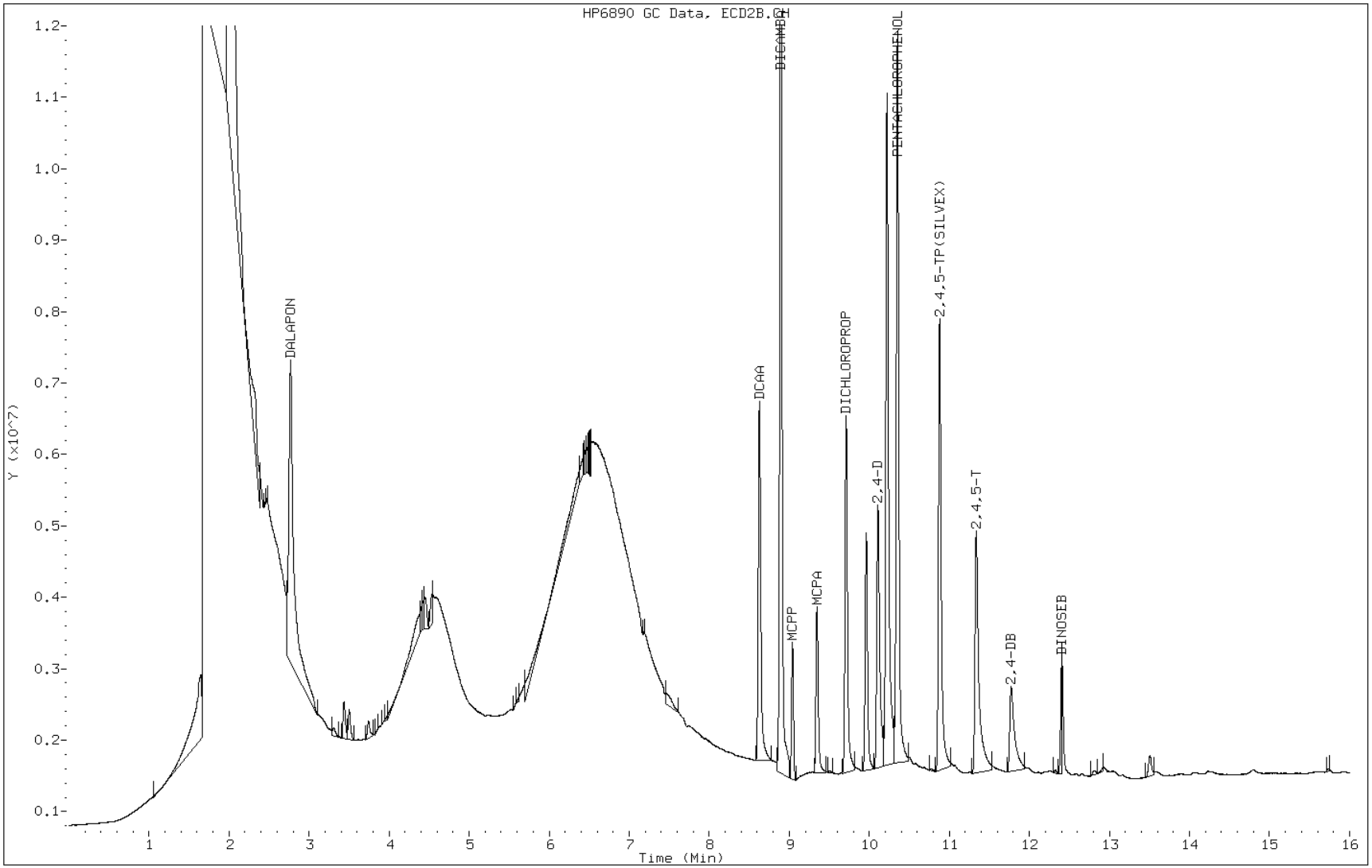
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
12 DINOSEB					CAS #: 88-85-7			
12.405	12.412	-0.007	1647507	0.01200	0.01202			

Data File: B1020107.D

Date: 09-OCT-2012 17:49

Client ID: Instrument: gc1.i

Sample Info: 10092B.B Operator: 01797



FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: CCV 180-51402/12 Calibration Date: 10/09/2012 18:14

Instrument ID: GC1 Calib Start Date: 10/04/2012 10:53

GC Column: RTX-50 ID: 0.53(mm) Calib End Date: 10/04/2012 12:34

Lab File ID: A1020107.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	24130896	28234225		0.0468	0.0400	17.0*	15.0
MCPP	Ave	102523	99663		7.78	8.00	-2.8	15.0
Dicamba	Ave	140498826	136209625		0.0388	0.0400	-3.1	15.0
MCPA	Ave	151421	141911		7.50	8.00	-6.3	15.0
Dichlorprop	Ave	34861773	33561288		0.0770	0.0800	-3.7	15.0
2,4-D	Ave	30622915	29364088		0.0767	0.0800	-4.1	15.0
Pentachlorophenol	Ave	578196815	564428400		0.00976	0.0100	-2.4	15.0
Silvex (2,4,5-TP)	Ave	183519543	183422600		0.0200	0.0200	-0.0	15.0
2,4,5-T	Ave	122100763	125825400		0.0206	0.0200	3.1	15.0
Dinoseb	Ave	82584813	82120000		0.0119	0.0120	-0.6	15.0
2,4-DB	Ave	11269448	13002025		0.0923	0.0800	15.4*	15.0
2,4-Dichlorophenylacetic acid	Ave	36444251	34755113		0.0763	0.0800	-4.6	15.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: CCV 180-51402/12 Calibration Date: 10/09/2012 18:14

Instrument ID: GC1 Calib Start Date: 10/04/2012 10:53

GC Column: RTX-50 ID: 0.53(mm) Calib End Date: 10/04/2012 12:34

Lab File ID: A1020107.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	2.57	2.53	2.59
MCPP	8.86	8.82	8.88
Dicamba	8.95	8.92	8.98
MCPA	9.28	9.25	9.31
Dichlorprop	9.56	9.53	9.59
2,4-D	10.05	10.02	10.08
Pentachlorophenol	10.61	10.57	10.63
Silvex (2,4,5-TP)	10.73	10.70	10.76
2,4,5-T	11.28	11.25	11.31
Dinoseb	11.53	11.47	11.57
2,4-DB	11.67	11.64	11.70
2,4-Dichlorophenylacetic acid	8.65	8.62	8.68

Data File: \\pitsvr06\d\chem\gc1.i\10092A.b\A1020107.D
Report Date: 10-Oct-2012 09:42

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc1.i\10092A.b\A1020107.D
Lab Smp Id: CCV 585464
Inj Date : 09-OCT-2012 18:14
Operator : 01797 Inst ID: gc1.i
Smp Info : 10092A.B
Misc Info : CCV 585464
Comment :
Method : \\pitsvr06\d\chem\gc1.i\10092A.b\Therba.m
Meth Date : 10-Oct-2012 09:42 eppinged Quant Type: ESTD
Cal Date : 04-OCT-2012 12:34 Cal File: A1020054.D
Als bottle: 12 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-509

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
1 DALAPON					CAS #: 75-99-0			
2.565	2.562	0.003	1129369	0.04000	0.04680			
$ 2 DCAA					CAS #: 19719-28-9			
8.649	8.647	0.002	2780409	0.08000	0.07629			
3 MCPP					CAS #: 7085-19-0			
8.855	8.853	0.002	797302	8.00000	7.777			
4 DICAMBA					CAS #: 1918-00-9			
8.952	8.950	0.002	5448385	0.04000	0.03878			
5 MCPA					CAS #: 94-74-6			
9.279	9.276	0.003	1135291	8.00000	7.498			
6 DICHLOROPROP					CAS #: 120-36-5			
9.558	9.556	0.002	2684903	0.08000	0.07702			
7 2,4-D					CAS #: 94-75-7			
10.052	10.050	0.002	2349127	0.08000	0.07671			
8 PENTACHLOROPHENOL					CAS #: 87-86-5			
10.606	10.603	0.003	5644284	0.01000	0.009762			
9 2,4,5-TP(SILVEX)					CAS #: 93-72-1			
10.731	10.728	0.003	3668452	0.02000	0.01999			
10 2,4,5-T					CAS #: 93-76-5			
11.284	11.282	0.002	2516508	0.02000	0.02061			
11 DINOSEB					CAS #: 88-85-7			
11.527	11.524	0.003	985440	0.01200	0.01193			

Data File: \\pitsvr06\d\chem\gc1.i\10092A.b\A1020107.D
Report Date: 10-Oct-2012 09:42

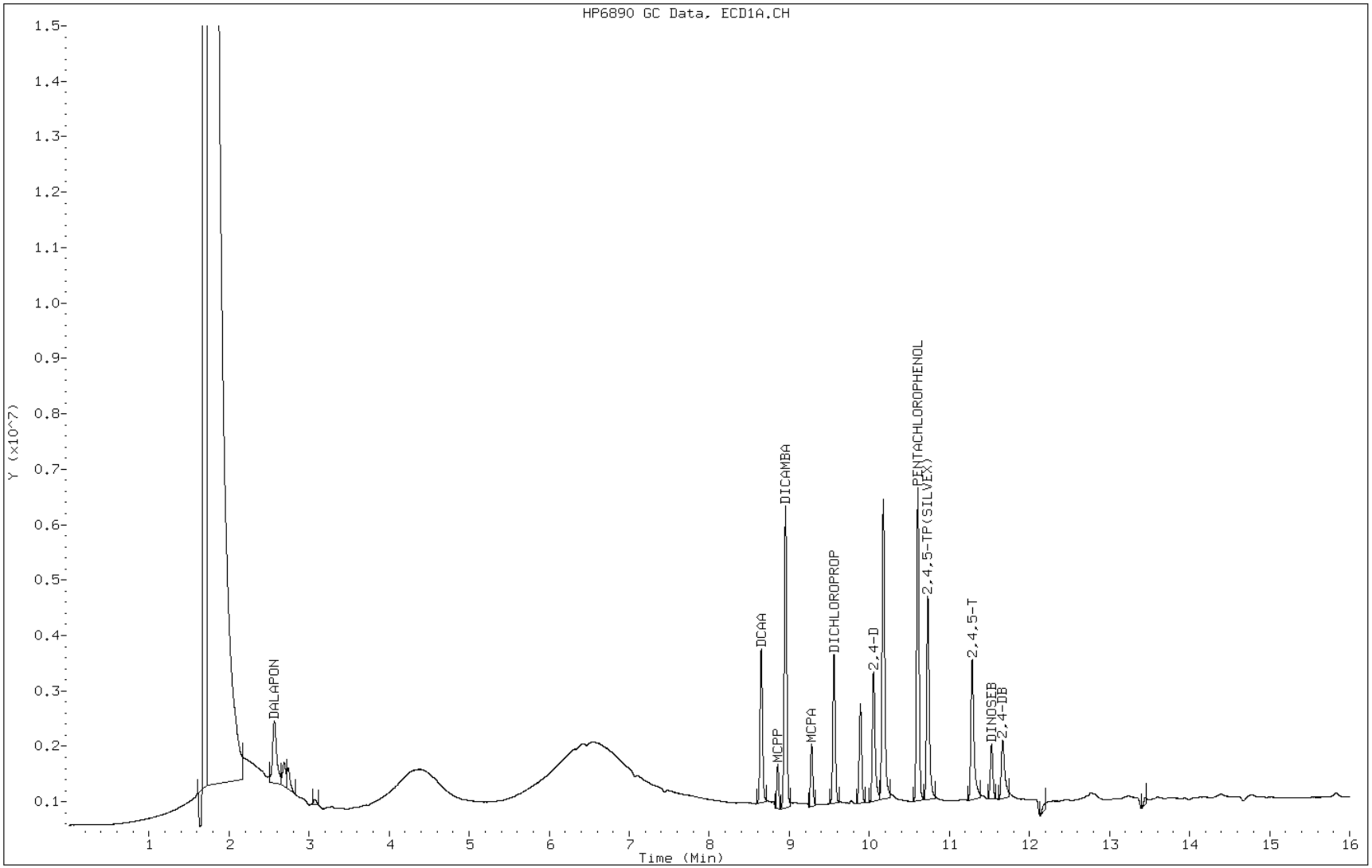
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
12 2,4-DB					CAS #: 94-82-6			
11.666	11.665	0.001	1040162	0.08000	0.09230			

Data File: A1020107.D

Date: 09-OCT-2012 18:14

Client ID: Instrument: gc1.i

Sample Info: 10092A.B Operator: 01797



FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: CCV 180-51405/15 Calibration Date: 10/09/2012 19:03

Instrument ID: GC1 Calib Start Date: 10/04/2012 10:28

GC Column: RTX-1701 ID: 0.53(mm) Calib End Date: 10/04/2012 12:09

Lab File ID: B1020110.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	88441173	110101700		0.0498	0.0400	24.5*	15.0
Dicamba	Ave	298045471	303154825		0.0407	0.0400	1.7	15.0
MCPP	Ave	243769	242729		7.97	8.00	-0.4	15.0
MCPA	Ave	317175	293504		7.40	8.00	-7.5	15.0
Dichlorprop	Ave	63788971	63220013		0.0793	0.0800	-0.9	15.0
2,4-D	Ave	49218026	45557025		0.0740	0.0800	-7.4	15.0
Pentachlorophenol	Ave	1011374745	1020442400		0.0101	0.0100	0.9	15.0
Silvex (2,4,5-TP)	Ave	323499535	317374750		0.0196	0.0200	-1.9	15.0
2,4,5-T	Ave	183302218	168028600		0.0183	0.0200	-8.3	15.0
2,4-DB	Ave	65418669	61881313		0.0757	0.0800	-5.4	15.0
Dinoseb	Ave	137055354	133665417		0.0117	0.0120	-2.5	15.0
2,4-Dichlorophenylacetic acid	Ave	65608272	63836013		0.0778	0.0800	-2.7	15.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: CCV 180-51405/15 Calibration Date: 10/09/2012 19:03

Instrument ID: GC1 Calib Start Date: 10/04/2012 10:28

GC Column: RTX-1701 ID: 0.53(mm) Calib End Date: 10/04/2012 12:09

Lab File ID: B1020110.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	2.76	2.74	2.80
Dicamba	8.89	8.87	8.93
MCPP	9.04	9.02	9.08
MCPA	9.35	9.32	9.38
Dichlorprop	9.71	9.69	9.75
2,4-D	10.11	10.08	10.14
Pentachlorophenol	10.35	10.33	10.39
Silvex (2,4,5-TP)	10.88	10.86	10.92
2,4,5-T	11.34	11.31	11.37
2,4-DB	11.77	11.75	11.81
Dinoseb	12.41	12.38	12.44
2,4-Dichlorophenylacetic acid	8.63	8.60	8.66

Data File: \\pitsvr06\d\chem\gc1.i\10092B.b\B1020110.D
Report Date: 10-Oct-2012 09:52

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc1.i\10092B.b\B1020110.D
Lab Smp Id: CCV 585464
Inj Date : 09-OCT-2012 19:03
Operator : 01797 Inst ID: gc1.i
Smp Info : 10092B.B
Misc Info : CCV 585464
Comment :
Method : \\pitsvr06\d\chem\gc1.i\10092B.b\Therbb.m
Meth Date : 10-Oct-2012 09:52 eppinged Quant Type: ESTD
Cal Date : 04-OCT-2012 12:09 Cal File: B1020054.D
Als bottle: 15 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-509

	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
	1 DALAPON					CAS #: 75-99-0			
	2.763	2.772	-0.009	4404068	0.04000	0.04980			
$	2 DCAA					CAS #: 19719-28-9			
	8.626	8.632	-0.006	5106881	0.08000	0.07784			
	3 DICAMBA					CAS #: 1918-00-9			
	8.893	8.900	-0.007	12126193	0.04000	0.04068			
	4 MCPP					CAS #: 7085-19-0			
	9.040	9.047	-0.007	1941829	8.00000	7.966			
	5 MCPA					CAS #: 94-74-6			
	9.346	9.352	-0.006	2348031	8.00000	7.403			
	6 DICHLOROPROP					CAS #: 120-36-5			
	9.712	9.717	-0.005	5057601	0.08000	0.07929			
	7 2,4-D					CAS #: 94-75-7			
	10.108	10.113	-0.005	3644562	0.08000	0.07405			
	8 PENTACHLOROPHENOL					CAS #: 87-86-5			
	10.353	10.358	-0.005	10204424	0.01000	0.01009			
	9 2,4,5-TP(SILVEX)					CAS #: 93-72-1			
	10.880	10.885	-0.005	6347495	0.02000	0.01962			
	10 2,4,5-T					CAS #: 93-76-5			
	11.337	11.342	-0.005	3360572	0.02000	0.01833			
	11 2,4-DB					CAS #: 94-82-6			
	11.773	11.777	-0.004	4950505	0.08000	0.07567			

Data File: \\pitsvr06\d\chem\gc1.i\10092B.b\B1020110.D
Report Date: 10-Oct-2012 09:52

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
12 DINOSEB					CAS #: 88-85-7			
12.407	12.412	-0.005	1603985	0.01200	0.01170			

Data File: B1020110.D

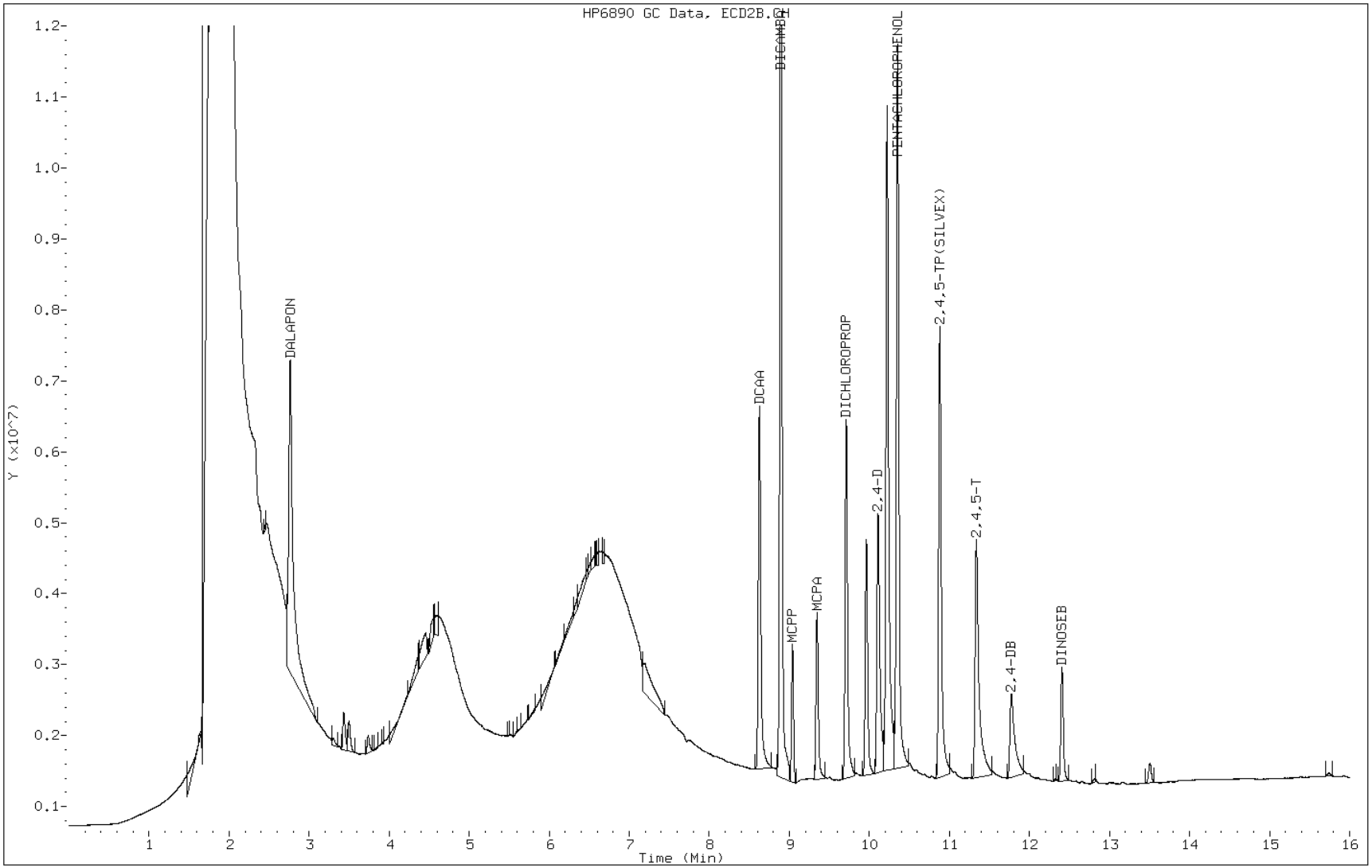
Date: 09-OCT-2012 19:03

Client ID:

Instrument: gc1.i

Sample Info: 10092B.B

Operator: 01797



FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: CCV 180-51402/15 Calibration Date: 10/09/2012 19:28

Instrument ID: GC1 Calib Start Date: 10/04/2012 10:53

GC Column: RTX-50 ID: 0.53(mm) Calib End Date: 10/04/2012 12:34

Lab File ID: A1020110.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	24130896	29440350		0.0488	0.0400	22.0*	15.0
MCPP	Ave	102523	102271		7.98	8.00	-0.2	15.0
Dicamba	Ave	140498826	138166425		0.0393	0.0400	-1.7	15.0
MCPA	Ave	151421	145533		7.69	8.00	-3.9	15.0
Dichlorprop	Ave	34861773	34329225		0.0788	0.0800	-1.5	15.0
2,4-D	Ave	30622915	29720000		0.0776	0.0800	-2.9	15.0
Pentachlorophenol	Ave	578196815	574714300		0.00994	0.0100	-0.6	15.0
Silvex (2,4,5-TP)	Ave	183519543	184727250		0.0201	0.0200	0.7	15.0
2,4,5-T	Ave	122100763	120716950		0.0198	0.0200	-1.1	15.0
Dinoseb	Ave	82584813	80847917		0.0117	0.0120	-2.1	15.0
2,4-DB	Ave	11269448	11441438		0.0812	0.0800	1.5	15.0
2,4-Dichlorophenylacetic acid	Ave	36444251	35115138		0.0771	0.0800	-3.6	15.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: CCV 180-51402/15 Calibration Date: 10/09/2012 19:28

Instrument ID: GC1 Calib Start Date: 10/04/2012 10:53

GC Column: RTX-50 ID: 0.53(mm) Calib End Date: 10/04/2012 12:34

Lab File ID: A1020110.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	2.56	2.53	2.59
MCPP	8.86	8.82	8.88
Dicamba	8.95	8.92	8.98
MCPA	9.28	9.25	9.31
Dichlorprop	9.56	9.53	9.59
2,4-D	10.05	10.02	10.08
Pentachlorophenol	10.61	10.57	10.63
Silvex (2,4,5-TP)	10.73	10.70	10.76
2,4,5-T	11.28	11.25	11.31
Dinoseb	11.53	11.47	11.57
2,4-DB	11.67	11.64	11.70
2,4-Dichlorophenylacetic acid	8.65	8.62	8.68

Data File: \\pitsvr06\d\chem\gc1.i\10092A.b\A1020110.D
Report Date: 10-Oct-2012 09:42

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc1.i\10092A.b\A1020110.D
Lab Smp Id: CCV 585464
Inj Date : 09-OCT-2012 19:28
Operator : 01797 Inst ID: gc1.i
Smp Info : 10092A.B
Misc Info : CCV 585464
Comment :
Method : \\pitsvr06\d\chem\gc1.i\10092A.b\Therba.m
Meth Date : 10-Oct-2012 09:42 eppinged Quant Type: ESTD
Cal Date : 04-OCT-2012 12:34 Cal File: A1020054.D
Als bottle: 15 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-509

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
1 DALAPON						CAS #: 75-99-0		
2.562	2.562	0.000	1177614	0.04000	0.04880			
$ 2 DCAA						CAS #: 19719-28-9		
8.649	8.647	0.002	2809211	0.08000	0.07708			
3 MCPP						CAS #: 7085-19-0		
8.855	8.853	0.002	818164	8.00000	7.980			
4 DICAMBA						CAS #: 1918-00-9		
8.952	8.950	0.002	5526657	0.04000	0.03934			
5 MCPA						CAS #: 94-74-6		
9.278	9.276	0.002	1164260	8.00000	7.689			
6 DICHLOROPROP						CAS #: 120-36-5		
9.558	9.556	0.002	2746338	0.08000	0.07878			
7 2,4-D						CAS #: 94-75-7		
10.052	10.050	0.002	2377600	0.08000	0.07764			
8 PENTACHLOROPHENOL						CAS #: 87-86-5		
10.606	10.603	0.003	5747143	0.01000	0.009940			
9 2,4,5-TP(SILVEX)						CAS #: 93-72-1		
10.731	10.728	0.003	3694545	0.02000	0.02013			
10 2,4,5-T						CAS #: 93-76-5		
11.284	11.282	0.002	2414339	0.02000	0.01977			
11 DINOSEB						CAS #: 88-85-7		
11.527	11.524	0.003	970175	0.01200	0.01175			

Data File: \\pitsvr06\d\chem\gc1.i\10092A.b\A1020110.D
Report Date: 10-Oct-2012 09:42

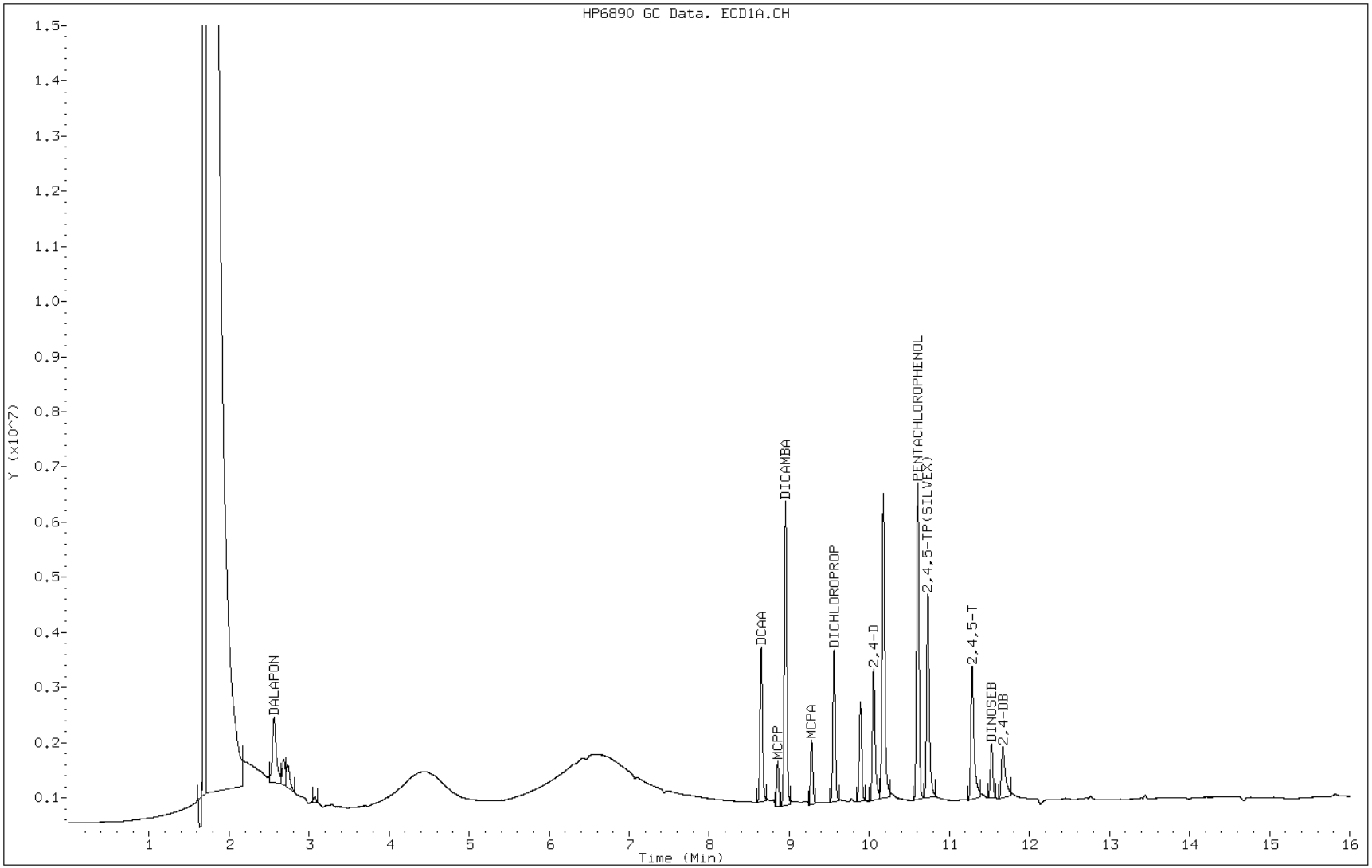
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
12 2,4-DB					CAS #: 94-82-6			
11.668	11.665	0.003	915315	0.08000	0.08122			

Data File: A1020110.D

Date: 09-OCT-2012 19:28

Client ID: Instrument: gc1.i

Sample Info: 10092A.B Operator: 01797



FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 180-50161/1-A
Matrix: Water
Lab File ID: B1020104.D
Analysis Method: 8151A
Date Collected:
Extraction Method: 8151A
Date Extracted: 09/28/2012 17:00
Sample wt/vol: 1000(mL)
Date Analyzed: 10/09/2012 16:34
Con. Extract Vol.: 10.0(mL)
Dilution Factor: 20
Injection Volume: 1(uL)
GC Column: RTX-1701 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 51405
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	39		32-140

Data File: \\pitsvr06\d\chem\gc1.i\10092B.b\B1020104.D
Report Date: 10-Oct-2012 09:54

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc1.i\10092B.b\B1020104.D
Lab Smp Id: mb 180-50161/1-a
Inj Date : 09-OCT-2012 16:34
Operator : 01797 Inst ID: gc1.i
Smp Info : 10092B.B
Misc Info : mb 180-50161/1-a
Comment :
Method : \\pitsvr06\d\chem\gc1.i\10092B.b\Therbb.m
Meth Date : 10-Oct-2012 09:52 eppinged Quant Type: ESTD
Cal Date : 04-OCT-2012 12:09 Cal File: B1020054.D
Als bottle: 9
Dil Factor: 20.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-509

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (mg/L)	TARGET RANGE	RATIO	REVIEW CODE
1 DALAPON					CAS #: 75-99-0			
2.757	2.772	-0.015	479880	0.00543	0.1085			(a)
$ 2 DCAA					CAS #: 19719-28-9			
8.631	8.632	-0.001	1291006	0.01968	0.01968			(a)
3 DICAMBA					CAS #: 1918-00-9			

Peaks not detected for Quant. or Qual. signal(s).

4 MCPP CAS #: 7085-19-0

Peaks not detected for Quant. or Qual. signal(s).

5 MCPA CAS #: 94-74-6

Peaks not detected for Quant. or Qual. signal(s).

6 DICHLOROPROP CAS #: 120-36-5

Peaks not detected for Quant. or Qual. signal(s).

Data File: \\pitsvr06\d\chem\gc1.i\10092B.b\B1020104.D
Report Date: 10-Oct-2012 09:54

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (mg/L)	TARGET RANGE	RATIO	REVIEW CODE

7 2,4-D CAS #: 94-75-7

Peaks not detected for Quant. or Qual. signal(s).

---

8 PENTACHLOROPHENOL CAS #: 87-86-5

Peaks not detected for Quant. or Qual. signal(s).

---

9 2,4,5-TP(SILVEX) CAS #: 93-72-1

Peaks not detected for Quant. or Qual. signal(s).

---

10 2,4,5-T CAS #: 93-76-5

Peaks not detected for Quant. or Qual. signal(s).

---

11 2,4-DB CAS #: 94-82-6

Peaks not detected for Quant. or Qual. signal(s).

---

12 DINOSEB CAS #: 88-85-7

Peaks not detected for Quant. or Qual. signal(s).

QC Flag Legend

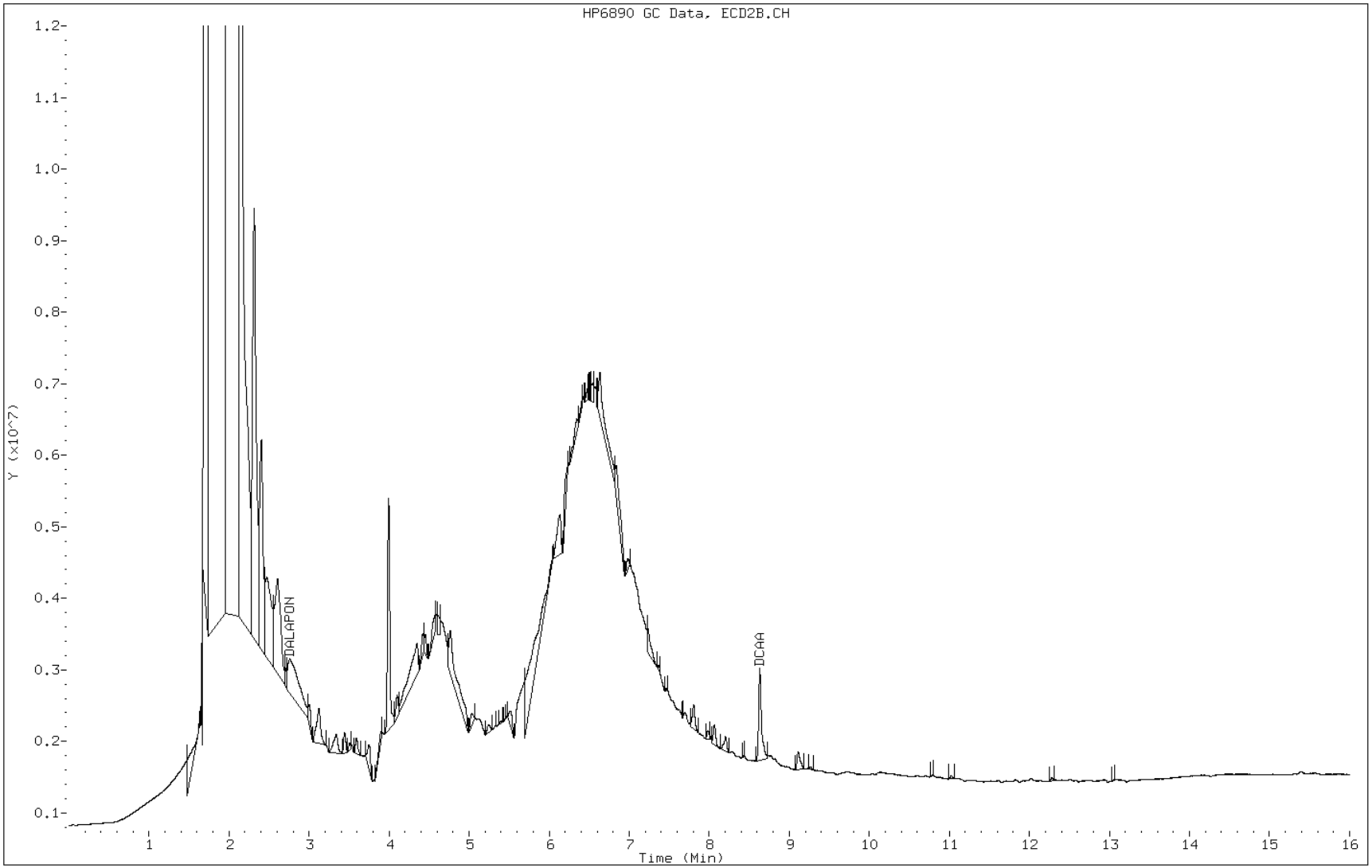
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: B1020104.D

Date: 09-OCT-2012 16:34

Client ID: Instrument: gc1.i

Sample Info: 10092B.B Operator: 01797



FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 180-50161/1-A
Matrix: Water
Lab File ID: A1020104.D
Analysis Method: 8151A
Date Collected:
Extraction Method: 8151A
Date Extracted: 09/28/2012 17:00
Sample wt/vol: 1000(mL)
Date Analyzed: 10/09/2012 16:59
Con. Extract Vol.: 10.0(mL)
Dilution Factor: 20
Injection Volume: 1(uL)
GC Column: RTX-50 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 51402
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	ND		4.0	0.45
93-76-5	2,4,5-T	ND		1.0	0.097
93-72-1	Silvex (2,4,5-TP)	ND		1.0	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	41		32-140

Data File: \\pitsvr06\d\chem\gc1.i\10092A.b\A1020104.D
Report Date: 10-Oct-2012 09:44

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc1.i\10092A.b\A1020104.D
Lab Smp Id: mb 180-50161/1-a
Inj Date : 09-OCT-2012 16:59
Operator : 01797 Inst ID: gc1.i
Smp Info : 10092A.B
Misc Info : mb 180-50161/1-a
Comment :
Method : \\pitsvr06\d\chem\gc1.i\10092A.b\Therba.m
Meth Date : 10-Oct-2012 09:42 eppinged Quant Type: ESTD
Cal Date : 04-OCT-2012 12:34 Cal File: A1020054.D
Als bottle: 9
Dil Factor: 20.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-509

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (mg/L)	TARGET RANGE	RATIO	REVIEW CODE

1 DALAPON CAS #: 75-99-0

Peaks not detected for Quant. or Qual. signal(s).

$ 2 DCAA CAS #: 19719-28-9

8.649	8.647	0.002	745587	0.02046	0.02046			(a)

---

3 MCPP CAS #: 7085-19-0

Peaks not detected for Quant. or Qual. signal(s).

---

4 DICAMBA CAS #: 1918-00-9

Peaks not detected for Quant. or Qual. signal(s).

---

5 MCPA CAS #: 94-74-6

Peaks not detected for Quant. or Qual. signal(s).

---

6 DICHLOROPROP CAS #: 120-36-5

Peaks not detected for Quant. or Qual. signal(s).

Data File: \\pitsvr06\d\chem\gc1.i\10092A.b\A1020104.D
Report Date: 10-Oct-2012 09:44

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (mg/L)	TARGET RANGE	RATIO	REVIEW CODE

7 2,4-D CAS #: 94-75-7

Peaks not detected for Quant. or Qual. signal(s).

---

8 PENTACHLOROPHENOL CAS #: 87-86-5

Peaks not detected for Quant. or Qual. signal(s).

---

9 2,4,5-TP(SILVEX) CAS #: 93-72-1

Peaks not detected for Quant. or Qual. signal(s).

---

10 2,4,5-T CAS #: 93-76-5

Peaks not detected for Quant. or Qual. signal(s).

---

11 DINOSEB CAS #: 88-85-7

Peaks not detected for Quant. or Qual. signal(s).

---

12 2,4-DB CAS #: 94-82-6

Peaks not detected for Quant. or Qual. signal(s).

QC Flag Legend

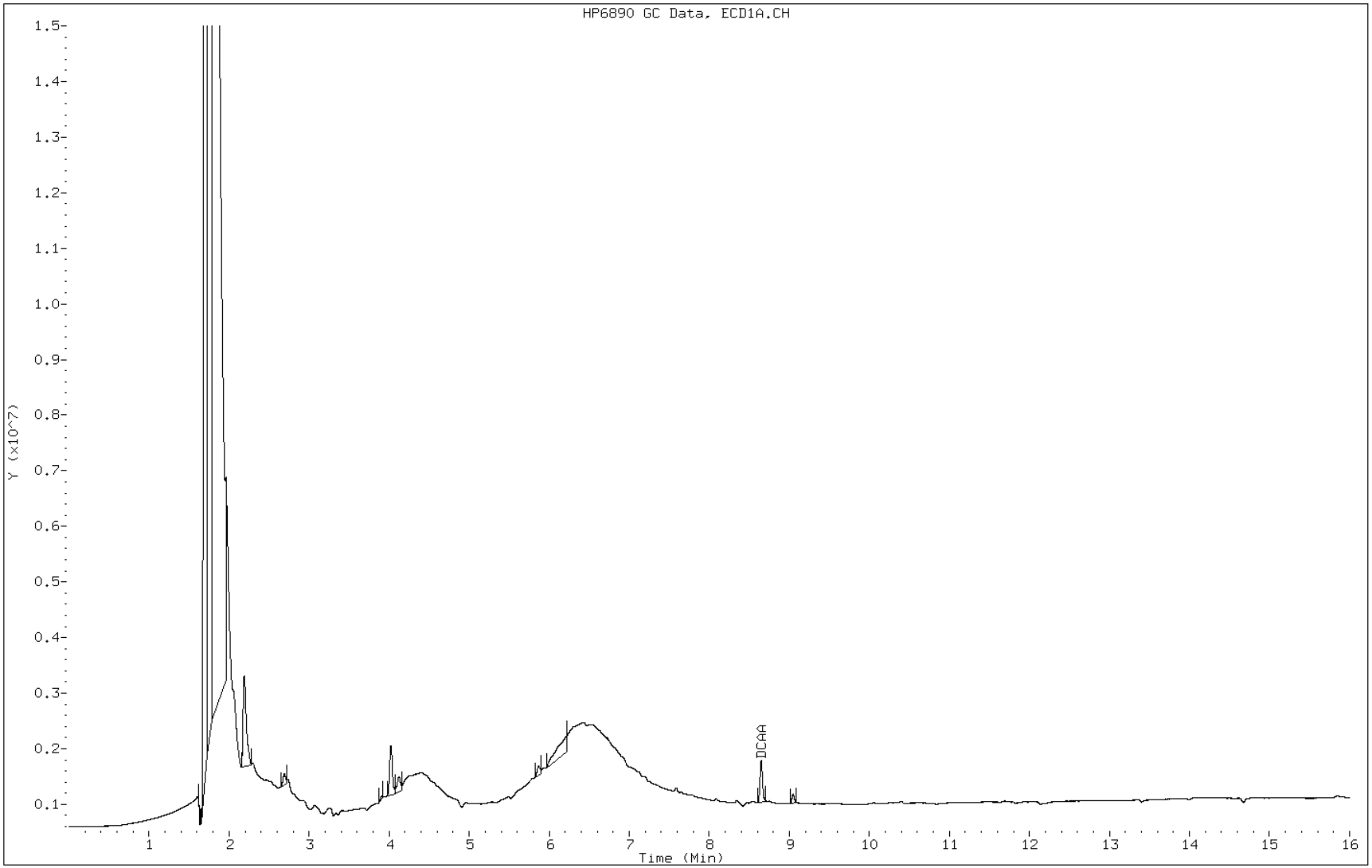
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: A1020104.D

Date: 09-OCT-2012 16:59

Client ID: Instrument: gc1.i

Sample Info: 10092A.B Operator: 01797



FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 180-50161/2-A
Matrix: Water
Lab File ID: B1020105.D
Analysis Method: 8151A
Date Collected:
Extraction Method: 8151A
Date Extracted: 09/28/2012 17:00
Sample wt/vol: 1000(mL)
Date Analyzed: 10/09/2012 16:59
Con. Extract Vol.: 10.0(mL)
Dilution Factor: 20
Injection Volume: 1(uL)
GC Column: RTX-1701 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 51405
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	10.1		4.0	0.45

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	61		32-140

Data File: \\pitsvr06\d\chem\gc1.i\10092B.b\B1020105.D
Report Date: 10-Oct-2012 09:54

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc1.i\10092B.b\B1020105.D
Lab Smp Id: lcs 180-50161/2-a
Inj Date : 09-OCT-2012 16:59
Operator : 01797 Inst ID: gc1.i
Smp Info : 10092B.B
Misc Info : lcs 180-50161/2-a
Comment :
Method : \\pitsvr06\d\chem\gc1.i\10092B.b\Therbb.m
Meth Date : 10-Oct-2012 09:52 eppinged Quant Type: ESTD
Cal Date : 04-OCT-2012 12:09 Cal File: B1020054.D
Als bottle: 10
Dil Factor: 20.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-509

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (mg/L)	TARGET RANGE	RATIO	REVIEW CODE
1 DALAPON					CAS #: 75-99-0			
2.779	2.772	0.007	1777946	0.02010	0.4021			(a)
$ 2 DCAA					CAS #: 19719-28-9			
8.629	8.632	-0.003	1991751	0.03036	0.03036			(a)
3 DICAMBA					CAS #: 1918-00-9			
8.895	8.900	-0.005	8480840	0.02845	0.5691			(a)
4 MCPP					CAS #: 7085-19-0			
9.041	9.047	-0.006	850209	3.48777	69.76			
5 MCPA					CAS #: 94-74-6			
9.333	9.352	-0.019	4429749	13.9662	279.3			
6 DICHLOROPROP					CAS #: 120-36-5			
9.712	9.717	-0.005	2814823	0.04413	0.8825			(a)
7 2,4-D					CAS #: 94-75-7			
10.107	10.113	-0.006	2482711	0.05044	1.009			
8 PENTACHLOROPHENOL					CAS #: 87-86-5			
10.353	10.358	-0.005	7743322	0.00766	0.1531			(a)
9 2,4,5-TP(SILVEX)					CAS #: 93-72-1			
10.880	10.885	-0.005	3151081	0.00974	0.1948			(a)

Data File: \\pitsvr06\d\chem\gc1.i\10092B.b\B1020105.D
Report Date: 10-Oct-2012 09:54

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (mg/L)	TARGET RANGE	RATIO	REVIEW CODE
10 2,4,5-T					CAS #: 93-76-5			
11.336	11.342	-0.006	1787854	0.00975	0.1951		(a)	
11 2,4-DB					CAS #: 94-82-6			
11.770	11.777	-0.007	3646219	0.05574	1.115			
12 DINOSEB					CAS #: 88-85-7			
12.407	12.412	-0.005	296099	0.00216	0.04321		(a)	

QC Flag Legend

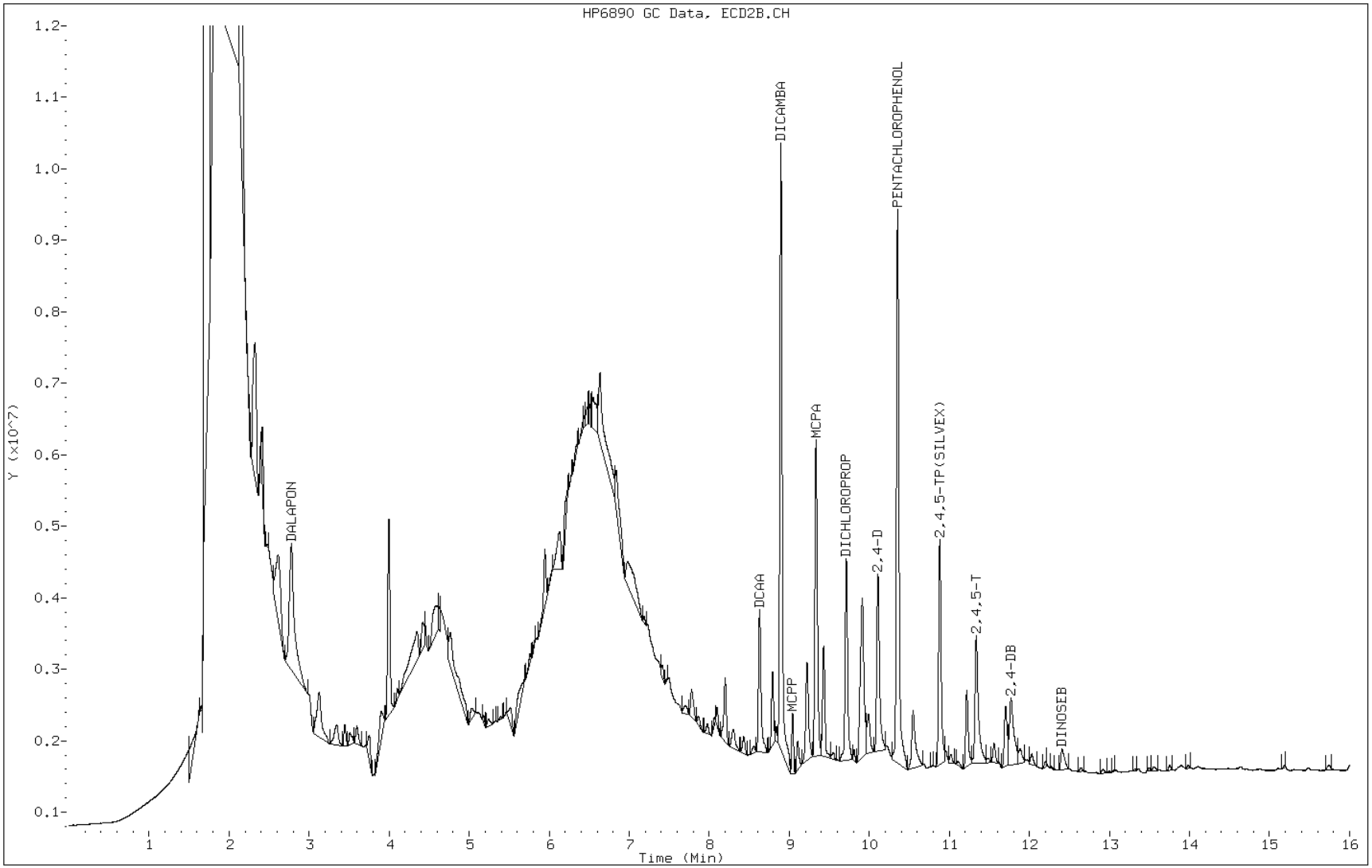
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: B1020105.D

Date: 09-OCT-2012 16:59

Client ID: Instrument: gc1.i

Sample Info: 10092B.B Operator: 01797



FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 180-50161/2-A
Matrix: Water
Lab File ID: A1020105.D
Analysis Method: 8151A
Date Collected:
Extraction Method: 8151A
Date Extracted: 09/28/2012 17:00
Sample wt/vol: 1000(mL)
Date Analyzed: 10/09/2012 17:24
Con. Extract Vol.: 10.0(mL)
Dilution Factor: 20
Injection Volume: 1(uL)
GC Column: RTX-50 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 51402
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
93-76-5	2,4,5-T	2.05		1.0	0.097
93-72-1	Silvex (2,4,5-TP)	2.04		1.0	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	63		32-140

Data File: \\pitsvr06\d\chem\gc1.i\10092A.b\A1020105.D
Report Date: 10-Oct-2012 09:46

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc1.i\10092A.b\A1020105.D
Lab Smp Id: lcs 180-50161/2-a
Inj Date : 09-OCT-2012 17:24
Operator : 01797 Inst ID: gc1.i
Smp Info : 10092A.B
Misc Info : lcs 180-50161/2-a
Comment :
Method : \\pitsvr06\d\chem\gc1.i\10092A.b\Therba.m
Meth Date : 10-Oct-2012 09:42 eppinged Quant Type: ESTD
Cal Date : 04-OCT-2012 12:34 Cal File: A1020054.D
Als bottle: 10
Dil Factor: 20.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-509

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (mg/L)	TARGET RANGE	RATIO	REVIEW CODE
1 DALAPON					CAS #: 75-99-0			
2.565	2.562	0.003	526619	0.02182	0.4365			(a)
$ 2 DCAA					CAS #: 19719-28-9			
8.649	8.647	0.002	1154658	0.03168	0.03168			(a)
3 MCPP					CAS #: 7085-19-0			
8.855	8.853	0.002	396118	3.86370	77.27			
4 DICAMBA					CAS #: 1918-00-9			
8.951	8.950	0.001	4257780	0.03030	0.6061			(a)
5 MCPA					CAS #: 94-74-6			
9.296	9.276	0.020	1075677	7.10389	142.1			
6 DICHLOROPROP					CAS #: 120-36-5			
9.558	9.556	0.002	1567068	0.04495	0.8990			(a)
7 2,4-D					CAS #: 94-75-7			
10.051	10.050	0.001	1269594	0.04146	0.8292			(a)
8 PENTACHLOROPHENOL					CAS #: 87-86-5			
10.605	10.603	0.002	4466064	0.00772	0.1545			(a)
9 2,4,5-TP(SILVEX)					CAS #: 93-72-1			
10.728	10.728	0.000	1875294	0.01022	0.2044			(a)

Data File: \\pitsvr06\d\chem\gc1.i\10092A.b\A1020105.D
Report Date: 10-Oct-2012 09:46

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (mg/L)	TARGET RANGE	RATIO	REVIEW CODE
10 2,4,5-T					CAS #: 93-76-5			
11.282	11.282	0.000	1254249	0.01027	0.2054		(a)	
11 DINOSEB					CAS #: 88-85-7			
11.570	11.524	0.046	651493	0.00789	0.1578		(aM)	PC
12 2,4-DB					CAS #: 94-82-6			
11.664	11.665	-0.001	641477	0.05692	1.138			

QC Flag Legend

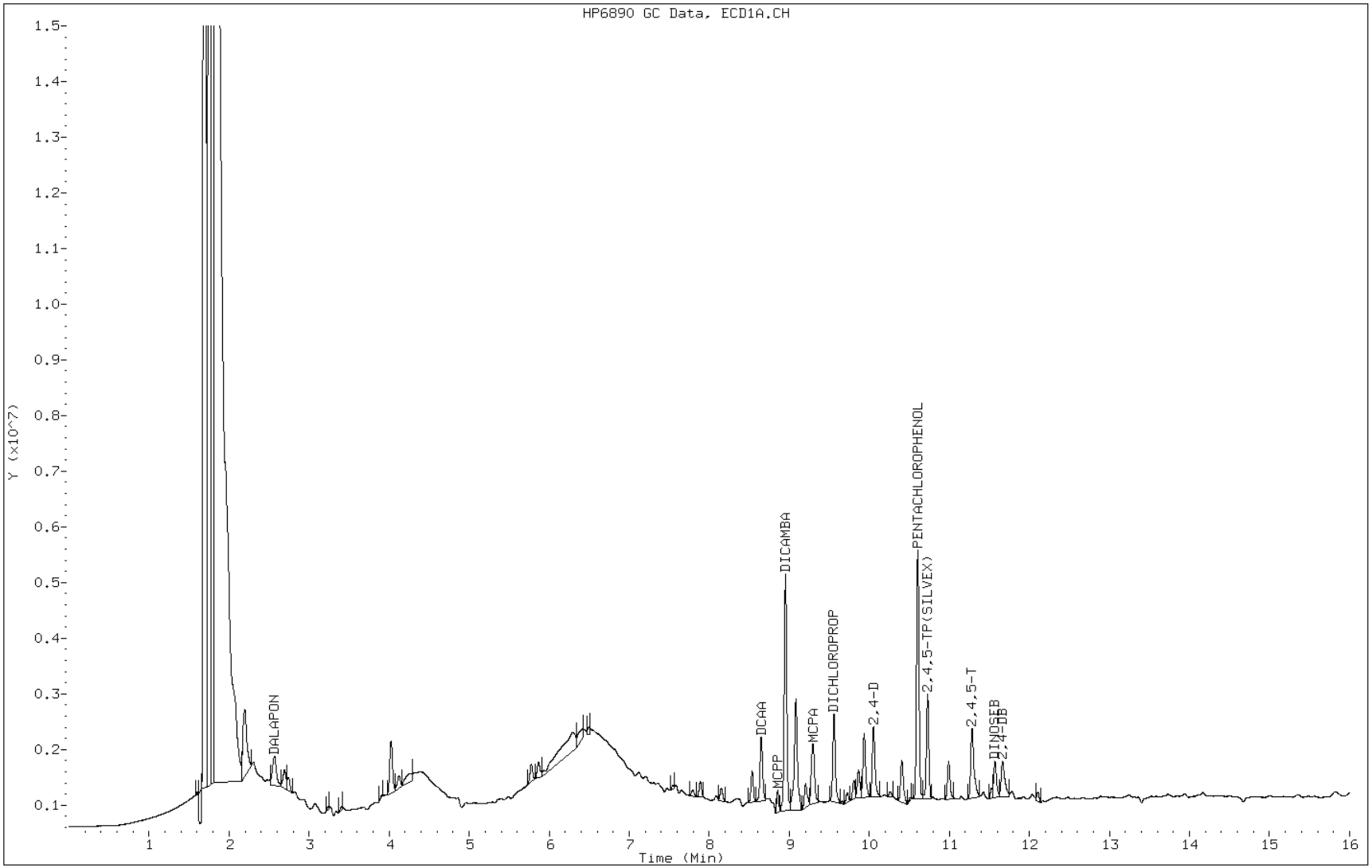
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: A1020105.D

Date: 09-OCT-2012 17:24

Client ID: Instrument: gc1.i

Sample Info: 10092A.B Operator: 01797



FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 180-50161/3-A
Matrix: Water
Lab File ID: B1020106.D
Analysis Method: 8151A
Date Collected:
Extraction Method: 8151A
Date Extracted: 09/28/2012 17:00
Sample wt/vol: 1000(mL)
Date Analyzed: 10/09/2012 17:24
Con. Extract Vol.: 10.0(mL)
Dilution Factor: 20
Injection Volume: 1(uL)
GC Column: RTX-1701 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 51405
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	10.9		4.0	0.45

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	65		32-140

Data File: \\pitsvr06\d\chem\gc1.i\10092B.b\B1020106.D
Report Date: 10-Oct-2012 09:55

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc1.i\10092B.b\B1020106.D
Lab Smp Id: lcsd 180-50161/3-a
Inj Date : 09-OCT-2012 17:24
Operator : 01797 Inst ID: gc1.i
Smp Info : 10092B.B
Misc Info : lcsd 180-50161/3-a
Comment :
Method : \\pitsvr06\d\chem\gc1.i\10092B.b\Therbb.m
Meth Date : 10-Oct-2012 09:52 eppinged Quant Type: ESTD
Cal Date : 04-OCT-2012 12:09 Cal File: B1020054.D
Als bottle: 11
Dil Factor: 20.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-509

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (mg/L)	TARGET RANGE	RATIO	REVIEW CODE
1 DALAPON						CAS #: 75-99-0		
2.777	2.772	0.005	1842110	0.02083	0.4166			(a)
$ 2 DCAA						CAS #: 19719-28-9		
8.628	8.632	-0.004	2138745	0.03260	0.03260			(a)
3 DICAMBA						CAS #: 1918-00-9		
8.894	8.900	-0.006	9011599	0.03024	0.6047			(a)
4 MCPP						CAS #: 7085-19-0		
9.041	9.047	-0.006	984422	4.03835	80.77			
5 MCPA						CAS #: 94-74-6		
9.333	9.352	-0.019	4804336	15.1473	302.9			
6 DICHLOROPROP						CAS #: 120-36-5		
9.712	9.717	-0.005	3125186	0.04899	0.9798			(a)
7 2,4-D						CAS #: 94-75-7		
10.106	10.113	-0.007	2685585	0.05457	1.091			
8 PENTACHLOROPHENOL						CAS #: 87-86-5		
10.353	10.358	-0.005	8583439	0.00849	0.1697			(a)
9 2,4,5-TP(SILVEX)						CAS #: 93-72-1		
10.880	10.885	-0.005	3492028	0.01079	0.2159			(a)

Data File: \\pitsvr06\d\chem\gc1.i\10092B.b\B1020106.D
Report Date: 10-Oct-2012 09:55

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (mg/L)	TARGET RANGE	RATIO	REVIEW CODE
10 2,4,5-T					CAS #: 93-76-5			
11.336	11.342	-0.006	1945008	0.01061	0.2122		(a)	
11 2,4-DB					CAS #: 94-82-6			
11.771	11.777	-0.006	3900871	0.05963	1.192			
12 DINOSEB					CAS #: 88-85-7			
12.420	12.412	0.008	135903	1e-003	0.01983		(aM)	PFS

QC Flag Legend

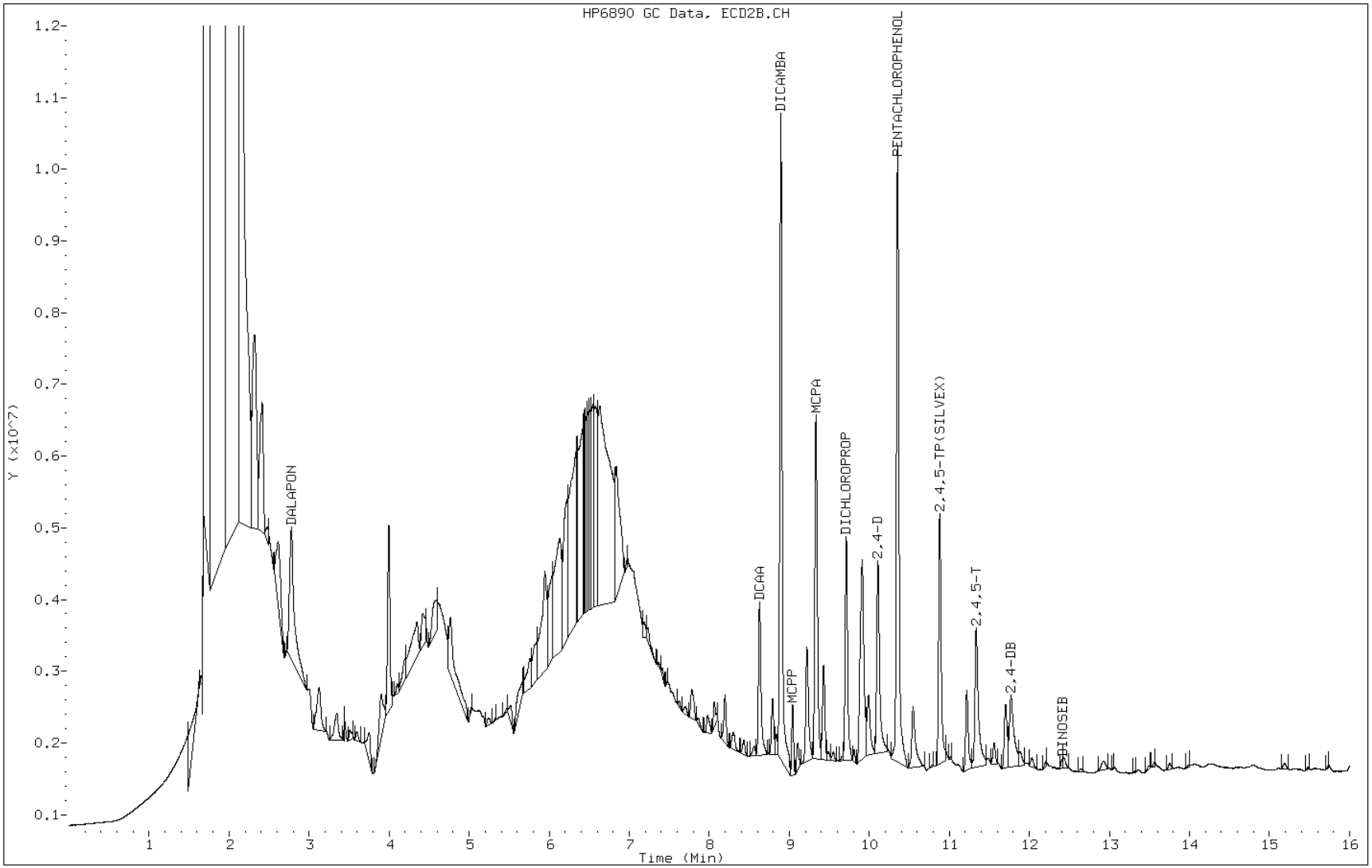
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: B1020106.D

Date: 09-OCT-2012 17:24

Client ID: Instrument: gc1.i

Sample Info: 10092B.B Operator: 01797



FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 180-50161/3-A
Matrix: Water
Lab File ID: A1020106.D
Analysis Method: 8151A
Date Collected:
Extraction Method: 8151A
Date Extracted: 09/28/2012 17:00
Sample wt/vol: 1000(mL)
Date Analyzed: 10/09/2012 17:49
Con. Extract Vol.: 10.0(mL)
Dilution Factor: 20
Injection Volume: 1(uL)
GC Column: RTX-50 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 51402
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
93-76-5	2,4,5-T	2.19		1.0	0.097
93-72-1	Silvex (2,4,5-TP)	2.26		1.0	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	66		32-140

Data File: \\pitsvr06\d\chem\gc1.i\10092A.b\A1020106.D
Report Date: 10-Oct-2012 09:44

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc1.i\10092A.b\A1020106.D
Lab Smp Id: lcsd 180-50161/3-a
Inj Date : 09-OCT-2012 17:49
Operator : 01797 Inst ID: gc1.i
Smp Info : 10092A.B
Misc Info : lcsd 180-50161/3-a
Comment :
Method : \\pitsvr06\d\chem\gc1.i\10092A.b\Therba.m
Meth Date : 10-Oct-2012 09:42 eppinged Quant Type: ESTD
Cal Date : 04-OCT-2012 12:34 Cal File: A1020054.D
Als bottle: 11
Dil Factor: 20.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-509

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (mg/L)	TARGET RANGE	RATIO	REVIEW CODE
1 DALAPON					CAS #: 75-99-0			
2.561	2.562	-0.001	513531	0.02128	0.4256			(a)
$ 2 DCAA					CAS #: 19719-28-9			
8.648	8.647	0.001	1194077	0.03276	0.03276			(a)
3 MCPP					CAS #: 7085-19-0			
8.854	8.853	0.001	439921	4.29095	85.82			
4 DICAMBA					CAS #: 1918-00-9			
8.952	8.950	0.002	4354032	0.03099	0.6198			(a)
5 MCPA					CAS #: 94-74-6			
9.293	9.276	0.017	1047774	6.91962	138.4			
6 DICHLOROPROP					CAS #: 120-36-5			
9.558	9.556	0.002	1665839	0.04778	0.9557			(a)
7 2,4-D					CAS #: 94-75-7			
10.050	10.050	0.000	1393852	0.04552	0.9103			(a)
8 PENTACHLOROPHENOL					CAS #: 87-86-5			
10.604	10.603	0.001	4851673	0.00839	0.1678			(a)
9 2,4,5-TP(SILVEX)					CAS #: 93-72-1			
10.728	10.728	0.000	2070632	0.01128	0.2256			(a)

Data File: \\pitsvr06\d\chem\gc1.i\10092A.b\A1020106.D
Report Date: 10-Oct-2012 09:44

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (mg/L)	TARGET RANGE	RATIO	REVIEW CODE
10 2,4,5-T					CAS #: 93-76-5			
11.281	11.282	-0.001	1336306	0.01094	0.2189		(a)	
11 DINOSEB					CAS #: 88-85-7			
11.569	11.524	0.045	668542	0.00810	0.1619		(a)	
12 2,4-DB					CAS #: 94-82-6			
11.664	11.665	-0.001	661192	0.05867	1.173			

QC Flag Legend

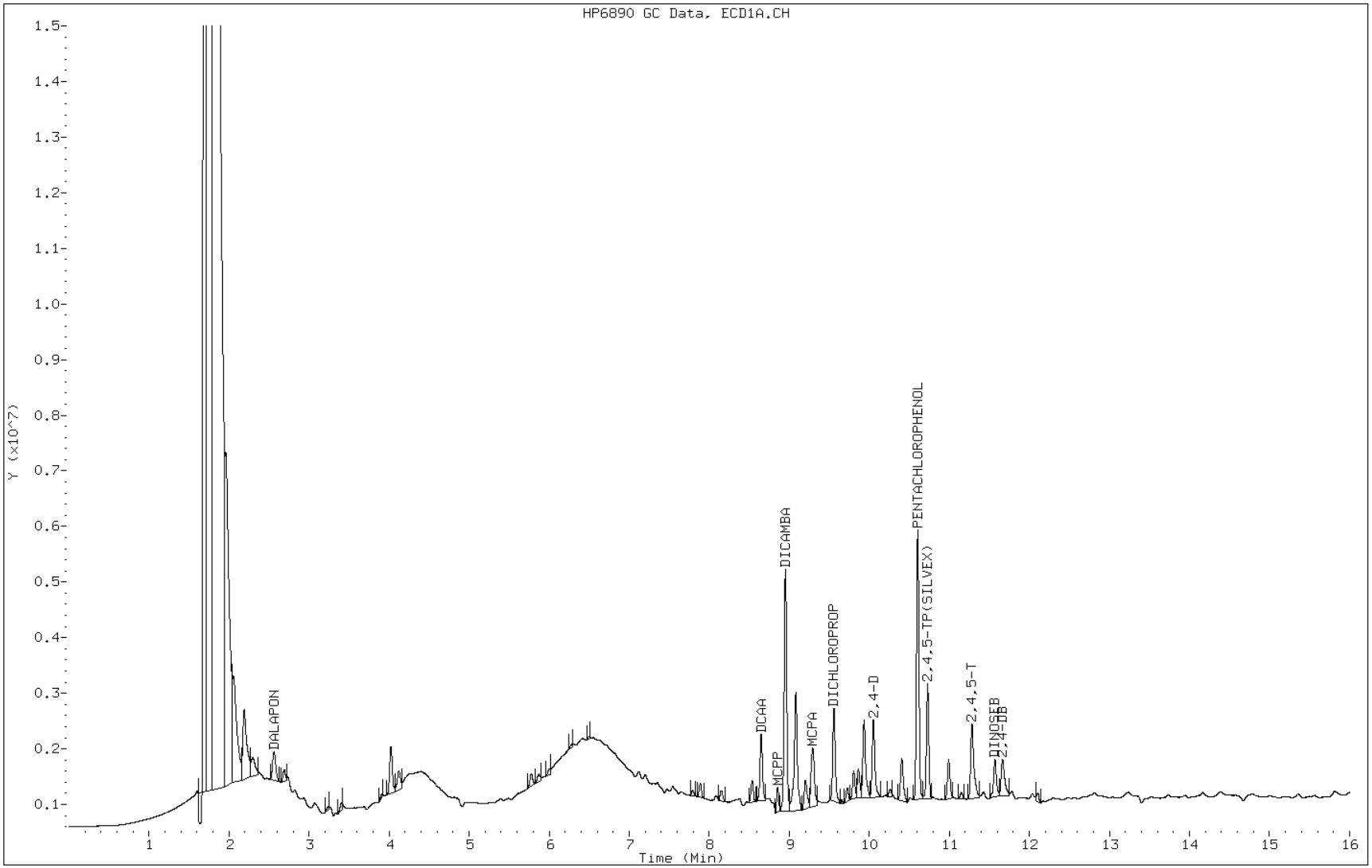
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: A1020106.D

Date: 09-OCT-2012 17:49

Client ID: Instrument: gc1.i

Sample Info: 10092A.B Operator: 01797



HERBICIDES ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Instrument ID: GC1 Start Date: 10/04/2012 10:53

Analysis Batch Number: 50879 End Date: 10/04/2012 17:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 180-50879/1		10/04/2012 10:53	1	A1020050.D	RTX-50 0.53(mm)
IC 180-50879/2		10/04/2012 11:19	1	A1020051.D	RTX-50 0.53(mm)
ICRT 180-50879/3		10/04/2012 11:44	1	A1020052.D	RTX-50 0.53(mm)
IC 180-50879/4		10/04/2012 12:09	1	A1020053.D	RTX-50 0.53(mm)
IC 180-50879/5		10/04/2012 12:34	1	A1020054.D	RTX-50 0.53(mm)
ICV 180-50879/6		10/04/2012 12:59	1		RTX-50 0.53(mm)
ZZZZZ		10/04/2012 13:24	20		RTX-50 0.53(mm)
ZZZZZ		10/04/2012 13:49	20		RTX-50 0.53(mm)
ZZZZZ		10/04/2012 14:14	20		RTX-50 0.53(mm)
ZZZZZ		10/04/2012 14:39	20		RTX-50 0.53(mm)
ZZZZZ		10/04/2012 15:04	20		RTX-50 0.53(mm)
ZZZZZ		10/04/2012 15:29	20		RTX-50 0.53(mm)
ZZZZZ		10/04/2012 15:54	20		RTX-50 0.53(mm)
ZZZZZ		10/04/2012 16:18	20		RTX-50 0.53(mm)
ZZZZZ		10/04/2012 16:43	20		RTX-50 0.53(mm)
ZZZZZ		10/04/2012 17:08	20		RTX-50 0.53(mm)
CCV 180-50879/17		10/04/2012 17:33	1		RTX-50 0.53(mm)

8151A

HERBICIDES ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Instrument ID: GC1 Start Date: 10/04/2012 10:28

Analysis Batch Number: 50880 End Date: 10/04/2012 17:08

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 180-50880/1		10/04/2012 10:28	1	B1020050.D	RTX-1701 0.53(mm)
IC 180-50880/2		10/04/2012 10:53	1	B1020051.D	RTX-1701 0.53(mm)
ICRT 180-50880/3		10/04/2012 11:19	1	B1020052.D	RTX-1701 0.53(mm)
IC 180-50880/4		10/04/2012 11:44	1	B1020053.D	RTX-1701 0.53(mm)
IC 180-50880/5		10/04/2012 12:09	1	B1020054.D	RTX-1701 0.53(mm)
ICV 180-50880/6		10/04/2012 12:34	1		RTX-1701 0.53(mm)
ZZZZZ		10/04/2012 12:59	20		RTX-1701 0.53(mm)
ZZZZZ		10/04/2012 13:24	20		RTX-1701 0.53(mm)
ZZZZZ		10/04/2012 13:49	20		RTX-1701 0.53(mm)
ZZZZZ		10/04/2012 14:14	20		RTX-1701 0.53(mm)
ZZZZZ		10/04/2012 14:39	20		RTX-1701 0.53(mm)
ZZZZZ		10/04/2012 15:04	20		RTX-1701 0.53(mm)
ZZZZZ		10/04/2012 15:29	20		RTX-1701 0.53(mm)
ZZZZZ		10/04/2012 15:54	20		RTX-1701 0.53(mm)
ZZZZZ		10/04/2012 16:18	20		RTX-1701 0.53(mm)
ZZZZZ		10/04/2012 16:43	20		RTX-1701 0.53(mm)
CCV 180-50880/17		10/04/2012 17:08	1		RTX-1701 0.53(mm)

8151A

HERBICIDES ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Instrument ID: GC1 Start Date: 10/09/2012 13:40

Analysis Batch Number: 51402 End Date: 10/09/2012 19:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 180-51402/1		10/09/2012 13:40	1	A1020096.D	RTX-50 0.53(mm)
ZZZZZ		10/09/2012 14:05	20		RTX-50 0.53(mm)
ZZZZZ		10/09/2012 14:30	20		RTX-50 0.53(mm)
ZZZZZ		10/09/2012 14:54	20		RTX-50 0.53(mm)
ZZZZZ		10/09/2012 15:19	20		RTX-50 0.53(mm)
ZZZZZ		10/09/2012 15:44	20		RTX-50 0.53(mm)
ZZZZZ		10/09/2012 16:09	20		RTX-50 0.53(mm)
ZZZZZ		10/09/2012 16:34	20		RTX-50 0.53(mm)
MB 180-50161/1-A		10/09/2012 16:59	20	A1020104.D	RTX-50 0.53(mm)
LCS 180-50161/2-A		10/09/2012 17:24	20	A1020105.D	RTX-50 0.53(mm)
LCSD 180-50161/3-A		10/09/2012 17:49	20	A1020106.D	RTX-50 0.53(mm)
CCV 180-51402/12		10/09/2012 18:14	1	A1020107.D	RTX-50 0.53(mm)
ZZZZZ		10/09/2012 18:39	20		RTX-50 0.53(mm)
180-14634-9	MW-110	10/09/2012 19:03	20	A1020109.D	RTX-50 0.53(mm)
CCV 180-51402/15		10/09/2012 19:28	1	A1020110.D	RTX-50 0.53(mm)

8151A

HERBICIDES ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Instrument ID: GC1 Start Date: 10/09/2012 13:16

Analysis Batch Number: 51405 End Date: 10/09/2012 19:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 180-51405/1		10/09/2012 13:16	1	B1020096.D	RTX-1701 0.53(mm)
ZZZZZ		10/09/2012 13:40	20		RTX-1701 0.53(mm)
ZZZZZ		10/09/2012 14:05	20		RTX-1701 0.53(mm)
ZZZZZ		10/09/2012 14:30	20		RTX-1701 0.53(mm)
ZZZZZ		10/09/2012 14:54	20		RTX-1701 0.53(mm)
ZZZZZ		10/09/2012 15:19	20		RTX-1701 0.53(mm)
ZZZZZ		10/09/2012 15:44	20		RTX-1701 0.53(mm)
ZZZZZ		10/09/2012 16:09	20		RTX-1701 0.53(mm)
MB 180-50161/1-A		10/09/2012 16:34	20	B1020104.D	RTX-1701 0.53(mm)
LCS 180-50161/2-A		10/09/2012 16:59	20	B1020105.D	RTX-1701 0.53(mm)
LCSD 180-50161/3-A		10/09/2012 17:24	20	B1020106.D	RTX-1701 0.53(mm)
CCV 180-51405/12		10/09/2012 17:49	1	B1020107.D	RTX-1701 0.53(mm)
ZZZZZ		10/09/2012 18:14	20		RTX-1701 0.53(mm)
180-14634-9	MW-110	10/09/2012 18:39	20	B1020109.D	RTX-1701 0.53(mm)
CCV 180-51405/15		10/09/2012 19:03	1	B1020110.D	RTX-1701 0.53(mm)

8151A

HERBICIDES BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Batch Number: 50161 Batch Start Date: 09/28/12 17:00 Batch Analyst: Yushinski, Charles

Batch Method: 8151A Batch End Date: 10/09/12 09:05

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FirstAdjustpH	SecondAdjustpH	FinalAmount	OPHERBMATRIX 00018
MB 180-50161/1		8151A, 8151A		6 SU	1000 mL	12	2	10.0 mL	
LCS 180-50161/2		8151A, 8151A		6 SU	1000 mL	12	2	10.0 mL	1 mL
LCSD 180-50161/3		8151A, 8151A		6 SU	1000 mL	12	2	10.0 mL	1 mL
180-14634-A-9	MW-110	8151A, 8151A	T	7 SU	1050 mL	12	2	10.0 mL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	OPHERBSURR 00015					
MB 180-50161/1		8151A, 8151A		1 mL					
LCS 180-50161/2		8151A, 8151A		1 mL					
LCSD 180-50161/3		8151A, 8151A		1 mL					
180-14634-A-9	MW-110	8151A, 8151A	T	1 mL					

Batch Notes	
Diethyl Ether Lot #	558259
Sulfuric Acid Lot Number	506755
Hexane Lot#	574686
MeCL2 Lot #	553670
N-evap #	1
N-evap temperature	21 Degrees C
Na2SO4, Acidified Lot #	578467
NaCL Lot #	578464
NaOH Lot #	420751
Silicic Acid Lot #	496132
Sufficient volume for MS/MSD?	no
TMSDM Lot #	466026
Uncorrected N-evap Temperature	21 Degrees C
Uncorrected Temperature	65 Degrees C
Water Bath Temperature	65 Degrees C

Basis	Basis Description
T	Total/NA

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Pittsburgh Job Number: 180-14634-1

SDG No.:

Project: QDI Institute, WV

Client Sample ID	Lab Sample ID
MW-104	180-14634-2
MW-105	180-14634-3
MW-109	180-14634-4
MW-114	180-14634-5
MW-101	180-14634-6
MW-102	180-14634-7
MW-106	180-14634-8
MW-110	180-14634-9
TMP-5	180-14634-11
FB-2	180-14634-12
TMP-3	180-14634-13

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-104

Lab Sample ID: 180-14634-2

Lab Name: TestAmerica Pittsburgh

Job No.: 180-14634-1

SDG ID.:

Matrix: Water

Date Sampled: 09/19/2012 08:30

Reporting Basis: WET

Date Received: 09/20/2012 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	33	1.0	0.29	ug/L			1	6020A
7440-39-3	Barium	720	10	0.098	ug/L			1	6020A
7439-92-1	Lead	0.62	1.0	0.019	ug/L	J	B	1	6020A
7439-89-6	Iron	13000	50	6.1	ug/L		B	1	6020A
7439-96-5	Manganese	1900	5.0	0.039	ug/L		B	1	6020A
7440-62-2	Vanadium	2.8	1.0	0.082	ug/L		B	1	6020A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-104
Lab Sample ID: 180-14634-2
Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG ID.:
Matrix: Water
Date Sampled: 09/19/2012 08:30
Reporting Basis: WET
Date Received: 09/20/2012 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	32	1.0	0.29	ug/L			1	6020A
7440-39-3	Barium	700	10	0.098	ug/L			1	6020A
7439-89-6	Iron	11000	50	6.1	ug/L		B	1	6020A
7439-92-1	Lead	0.043	1.0	0.019	ug/L	J	B	1	6020A
7439-96-5	Manganese	1900	5.0	0.039	ug/L		B	1	6020A
7440-62-2	Vanadium	2.6	1.0	0.082	ug/L		B	1	6020A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-105
Lab Sample ID: 180-14634-3
Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG ID.:
Matrix: Water
Date Sampled: 09/19/2012 09:20
Reporting Basis: WET
Date Received: 09/20/2012 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	41	1.0	0.29	ug/L			1	6020A
7440-39-3	Barium	270	10	0.098	ug/L			1	6020A
7439-92-1	Lead	10	1.0	0.019	ug/L		B	1	6020A
7439-89-6	Iron	140000	50	6.1	ug/L		B	1	6020A
7439-96-5	Manganese	4300	5.0	0.039	ug/L		B	1	6020A
7440-62-2	Vanadium	13	1.0	0.082	ug/L		B	1	6020A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-105
Lab Sample ID: 180-14634-3
Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG ID.:
Matrix: Water
Date Sampled: 09/19/2012 09:20
Reporting Basis: WET
Date Received: 09/20/2012 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	26	1.0	0.29	ug/L			1	6020A
7440-39-3	Barium	170	10	0.098	ug/L			1	6020A
7439-89-6	Iron	95000	50	6.1	ug/L		B	1	6020A
7439-92-1	Lead	0.45	1.0	0.019	ug/L	J	B	1	6020A
7439-96-5	Manganese	4400	5.0	0.039	ug/L		B	1	6020A
7440-62-2	Vanadium	2.3	1.0	0.082	ug/L		B	1	6020A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-109
Lab Sample ID: 180-14634-4
Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG ID.:
Matrix: Water
Date Sampled: 09/19/2012 10:30
Reporting Basis: WET
Date Received: 09/20/2012 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	1.0	0.29	ug/L			1	6020A
7440-39-3	Barium	140	10	0.098	ug/L			1	6020A
7439-92-1	Lead	0.18	1.0	0.019	ug/L	J	B	1	6020A
7439-89-6	Iron	280	50	6.1	ug/L		B	1	6020A
7439-96-5	Manganese	260	5.0	0.039	ug/L		B	1	6020A
7440-62-2	Vanadium	ND	1.0	0.082	ug/L			1	6020A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-109
Lab Sample ID: 180-14634-4
Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG ID.:
Matrix: Water
Date Sampled: 09/19/2012 10:30
Reporting Basis: WET
Date Received: 09/20/2012 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	1.0	0.29	ug/L			1	6020A
7440-39-3	Barium	140	10	0.098	ug/L			1	6020A
7439-89-6	Iron	120	50	6.1	ug/L		B	1	6020A
7439-92-1	Lead	0.033	1.0	0.019	ug/L	J	B	1	6020A
7439-96-5	Manganese	250	5.0	0.039	ug/L		B	1	6020A
7440-62-2	Vanadium	ND	1.0	0.082	ug/L			1	6020A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-114
Lab Sample ID: 180-14634-5
Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG ID.:
Matrix: Water
Date Sampled: 09/19/2012 12:00
Reporting Basis: WET
Date Received: 09/20/2012 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	34	1.0	0.29	ug/L			1	6020A
7440-39-3	Barium	700	10	0.098	ug/L			1	6020A
7439-92-1	Lead	0.57	1.0	0.019	ug/L	J	B	1	6020A
7439-89-6	Iron	13000	50	6.1	ug/L		B	1	6020A
7439-96-5	Manganese	1900	5.0	0.039	ug/L		B	1	6020A
7440-62-2	Vanadium	1.4	1.0	0.082	ug/L		B	1	6020A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-114
Lab Sample ID: 180-14634-5
Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG ID.:
Matrix: Water
Date Sampled: 09/19/2012 12:00
Reporting Basis: WET
Date Received: 09/20/2012 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	33	1.0	0.29	ug/L			1	6020A
7440-39-3	Barium	710	10	0.098	ug/L			1	6020A
7439-89-6	Iron	11000	50	6.1	ug/L		B	1	6020A
7439-92-1	Lead	0.028	1.0	0.019	ug/L	J	B	1	6020A
7439-96-5	Manganese	1900	5.0	0.039	ug/L		B	1	6020A
7440-62-2	Vanadium	1.5	1.0	0.082	ug/L		B	1	6020A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-101
Lab Sample ID: 180-14634-6
Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG ID.:
Matrix: Water
Date Sampled: 09/19/2012 08:20
Reporting Basis: WET
Date Received: 09/20/2012 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	1.7	1.0	0.29	ug/L			1	6020A
7440-39-3	Barium	140	10	0.098	ug/L			1	6020A
7439-92-1	Lead	4.0	1.0	0.019	ug/L		B	1	6020A
7439-89-6	Iron	12000	50	6.1	ug/L		B	1	6020A
7439-96-5	Manganese	190	5.0	0.039	ug/L		B	1	6020A
7440-62-2	Vanadium	10	1.0	0.082	ug/L		B	1	6020A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-101
Lab Sample ID: 180-14634-6
Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG ID.:
Matrix: Water
Date Sampled: 09/19/2012 08:20
Reporting Basis: WET
Date Received: 09/20/2012 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.40	1.0	0.29	ug/L	J		1	6020A
7440-39-3	Barium	110	10	0.098	ug/L			1	6020A
7439-89-6	Iron	1900	50	6.1	ug/L		B	1	6020A
7439-92-1	Lead	0.47	1.0	0.019	ug/L	J	B	1	6020A
7439-96-5	Manganese	100	5.0	0.039	ug/L		B	1	6020A
7440-62-2	Vanadium	3.6	1.0	0.082	ug/L		B	1	6020A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-102
Lab Sample ID: 180-14634-7
Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG ID.:
Matrix: Water
Date Sampled: 09/19/2012 10:45
Reporting Basis: WET
Date Received: 09/20/2012 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	2.8	1.0	0.29	ug/L			1	6020A
7440-39-3	Barium	160	10	0.098	ug/L			1	6020A
7439-92-1	Lead	4.2	1.0	0.019	ug/L		B	1	6020A
7439-89-6	Iron	19000	50	6.1	ug/L		B	1	6020A
7439-96-5	Manganese	550	5.0	0.039	ug/L		B	1	6020A
7440-62-2	Vanadium	17	1.0	0.082	ug/L		B	1	6020A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-102
Lab Sample ID: 180-14634-7
Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG ID.:
Matrix: Water
Date Sampled: 09/19/2012 10:45
Reporting Basis: WET
Date Received: 09/20/2012 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.37	1.0	0.29	ug/L	J		1	6020A
7440-39-3	Barium	120	10	0.098	ug/L			1	6020A
7439-89-6	Iron	280	50	6.1	ug/L		B	1	6020A
7439-92-1	Lead	0.094	1.0	0.019	ug/L	J	B	1	6020A
7439-96-5	Manganese	130	5.0	0.039	ug/L		B	1	6020A
7440-62-2	Vanadium	ND	1.0	0.082	ug/L			1	6020A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-106
Lab Sample ID: 180-14634-8
Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG ID.:
Matrix: Water
Date Sampled: 09/19/2012 12:25
Reporting Basis: WET
Date Received: 09/20/2012 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	5.5	1.0	0.29	ug/L			1	6020A
7440-39-3	Barium	1200	10	0.098	ug/L			1	6020A
7439-92-1	Lead	44	1.0	0.019	ug/L		B	1	6020A
7439-89-6	Iron	25000	50	6.1	ug/L		B	1	6020A
7439-96-5	Manganese	4900	5.0	0.039	ug/L		B	1	6020A
7440-62-2	Vanadium	56	1.0	0.082	ug/L		B	1	6020A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-106
Lab Sample ID: 180-14634-8
Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG ID.:
Matrix: Water
Date Sampled: 09/19/2012 12:25
Reporting Basis: WET
Date Received: 09/20/2012 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	3.5	1.0	0.29	ug/L			1	6020A
7440-39-3	Barium	460	10	0.098	ug/L			1	6020A
7439-89-6	Iron	1700	50	6.1	ug/L		B	1	6020A
7439-92-1	Lead	1.1	1.0	0.019	ug/L		B	1	6020A
7439-96-5	Manganese	5100	5.0	0.039	ug/L		B	1	6020A
7440-62-2	Vanadium	2.9	1.0	0.082	ug/L		B	1	6020A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-110
Lab Sample ID: 180-14634-9
Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG ID.:
Matrix: Water
Date Sampled: 09/19/2012 13:00
Reporting Basis: WET
Date Received: 09/20/2012 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	1.4	1.0	0.29	ug/L			1	6020A
7440-39-3	Barium	510	10	0.098	ug/L			1	6020A
7439-92-1	Lead	1.4	1.0	0.019	ug/L		B	1	6020A
7439-89-6	Iron	2600	50	6.1	ug/L		B	1	6020A
7439-96-5	Manganese	900	5.0	0.039	ug/L		B	1	6020A
7440-62-2	Vanadium	5.8	1.0	0.082	ug/L		B	1	6020A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-110
Lab Sample ID: 180-14634-9
Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG ID.:
Matrix: Water
Date Sampled: 09/19/2012 13:00
Reporting Basis: WET
Date Received: 09/20/2012 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	2.2	1.0	0.29	ug/L			1	6020A
7440-39-3	Barium	410	10	0.098	ug/L			1	6020A
7439-89-6	Iron	670	50	6.1	ug/L		B	1	6020A
7439-92-1	Lead	0.42	1.0	0.019	ug/L	J	B	1	6020A
7439-96-5	Manganese	970	5.0	0.039	ug/L		B	1	6020A
7440-62-2	Vanadium	4.4	1.0	0.082	ug/L		B	1	6020A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: TMP-5

Lab Sample ID: 180-14634-11

Lab Name: TestAmerica Pittsburgh

Job No.: 180-14634-1

SDG ID.:

Matrix: Water

Date Sampled: 09/19/2012 12:30

Reporting Basis: WET

Date Received: 09/20/2012 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	2.4	1.0	0.29	ug/L			1	6020A
7440-39-3	Barium	190	10	0.098	ug/L			1	6020A
7439-92-1	Lead	4.3	1.0	0.019	ug/L		B	1	6020A
7439-89-6	Iron	5500	50	6.1	ug/L		B	1	6020A
7439-96-5	Manganese	3000	5.0	0.039	ug/L		B	1	6020A
7440-62-2	Vanadium	6.3	1.0	0.082	ug/L		B	1	6020A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: TMP-5
Lab Sample ID: 180-14634-11
Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG ID.:
Matrix: Water
Date Sampled: 09/19/2012 12:30
Reporting Basis: WET
Date Received: 09/20/2012 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	1.8	1.0	0.29	ug/L			1	6020A
7440-39-3	Barium	91	10	0.098	ug/L			1	6020A
7439-89-6	Iron	59	50	6.1	ug/L		B	1	6020A
7439-92-1	Lead	0.043	1.0	0.019	ug/L	J	B	1	6020A
7439-96-5	Manganese	2400	5.0	0.039	ug/L		B	1	6020A
7440-62-2	Vanadium	2.8	1.0	0.082	ug/L		B	1	6020A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: FB-2
Lab Sample ID: 180-14634-12
Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG ID.:
Matrix: Water
Date Sampled: 09/19/2012 11:30
Reporting Basis: WET
Date Received: 09/20/2012 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	1.0	0.29	ug/L			1	6020A
7440-39-3	Barium	0.43	10	0.098	ug/L	J		1	6020A
7439-92-1	Lead	0.043	1.0	0.019	ug/L	J	B	1	6020A
7439-89-6	Iron	33	50	6.1	ug/L	J	B	1	6020A
7439-96-5	Manganese	1.1	5.0	0.039	ug/L	J	B	1	6020A
7440-62-2	Vanadium	1.5	1.0	0.082	ug/L		B	1	6020A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: FB-2
Lab Sample ID: 180-14634-12
Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG ID.:
Matrix: Water
Date Sampled: 09/19/2012 11:30
Reporting Basis: WET
Date Received: 09/20/2012 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	1.0	0.29	ug/L			1	6020A
7440-39-3	Barium	0.26	10	0.098	ug/L	J		1	6020A
7439-89-6	Iron	43	50	6.1	ug/L	J	B	1	6020A
7439-92-1	Lead	0.092	1.0	0.019	ug/L	J	B	1	6020A
7439-96-5	Manganese	1.3	5.0	0.039	ug/L	J	B	1	6020A
7440-62-2	Vanadium	3.2	1.0	0.082	ug/L		B	1	6020A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: TMP-3

Lab Sample ID: 180-14634-13

Lab Name: TestAmerica Pittsburgh

Job No.: 180-14634-1

SDG ID.:

Matrix: Water

Date Sampled: 09/19/2012 14:20

Reporting Basis: WET

Date Received: 09/20/2012 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	2.3	1.0	0.29	ug/L			1	6020A
7440-39-3	Barium	180	10	0.098	ug/L			1	6020A
7439-92-1	Lead	1.9	1.0	0.019	ug/L		B	1	6020A
7439-89-6	Iron	4200	50	6.1	ug/L		B	1	6020A
7439-96-5	Manganese	1400	5.0	0.039	ug/L		B	1	6020A
7440-62-2	Vanadium	5.1	1.0	0.082	ug/L		B	1	6020A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: TMP-3
Lab Sample ID: 180-14634-13
Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG ID.:
Matrix: Water
Date Sampled: 09/19/2012 14:20
Reporting Basis: WET
Date Received: 09/20/2012 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	1.0	0.29	ug/L			1	6020A
7440-39-3	Barium	190	10	0.098	ug/L			1	6020A
7439-89-6	Iron	700	50	6.1	ug/L		B	1	6020A
7439-92-1	Lead	0.38	1.0	0.019	ug/L	J	B	1	6020A
7439-96-5	Manganese	1600	5.0	0.039	ug/L		B	1	6020A
7440-62-2	Vanadium	ND	1.0	0.082	ug/L			1	6020A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

ICV Source: MICVX_00001 Concentration Units: ug/L

CCV Source: MCCV1X_00027

Analyte	ICV 180-51644/5 10/09/2012 16:17				CCV 180-51644/10 10/09/2012 16:54				CCV 180-51644/46 10/09/2012 20:10			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	79.5		80.0	99	94.0		100	94	95.9		100	96
Barium	81.0		80.0	101	97.0		100	97	96.6		100	97
Iron	19300		20000	97	25000		25000	100	25800		25000	103
Lead	80.6		80.0	101	99.8		100	100	98.7		100	99
Manganese	392		400	98	502		500	100	511		500	102
Vanadium	77.7		80.0	97	97.8		100	98	98.4		100	98
Aluminum	408		400	102	536		500	107	517		500	103
Antimony	82.5		80.0	103	99.3		100	99	99.6		100	100
Beryllium	79.1		80.0	99	94.0		100	94	90.8		100	91
Cadmium	78.8		80.0	98	97.6		100	98	97.5		100	98
Calcium	38300		40000	96	48100		50000	96	47600		50000	95
Chromium	78.6		80.0	98	98.0		100	98	98.6		100	99
Cobalt	78.5		80.0	98	95.2		100	95	95.3		100	95
Copper	78.8		80.0	98	93.7		100	94	92.6		100	93
Magnesium	39700		40000	99	51800		50000	104	51100		50000	102
Nickel	79.3		80.0	99	93.7		100	94	92.3		100	92
Potassium	39800		40000	99	49200		50000	98	47800		50000	96
Selenium	76.5		80.0	96	96.1		100	96	96.8		100	97
Silver	79.5		80.0	99	96.7		100	97	96.8		100	97
Sodium	39500		40000	99	47600		50000	95	45300		50000	91
Thallium	83.6		80.0	105	100		100	100	98.8		100	99
Zinc	79.6		80.0	100	96.4		100	96	97.9		100	98

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

ICV Source: MICVX_00001 Concentration Units: ug/L

CCV Source: MCCV1X_00027

Analyte	CCV 180-51644/58 10/09/2012 21:13				CCV 180-51644/70 10/09/2012 22:18				CCV 180-51644/82 10/09/2012 23:16			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	98.5		100	99	100		100	100	96.4		100	96
Barium	97.2		100	97	100		100	100	98.3		100	98
Iron	26400		25000	106	27000		25000	108	26800		25000	107
Lead	97.3		100	97	98.1		100	98	97.0		100	97
Manganese	520		500	104	528		500	106	521		500	104
Vanadium	98.8		100	99	100		100	100	98.9		100	99
Aluminum	520		500	104	522		500	104	515		500	103
Antimony	100		100	100	102		100	102	102		100	102
Beryllium	90.2		100	90	91.1		100	91	91.3		100	91
Cadmium	98.6		100	99	99.0		100	99	100		100	100
Calcium	48200		50000	96	48400		50000	97	48600		50000	97
Chromium	99.8		100	100	101		100	101	99.5		100	99
Cobalt	96.3		100	96	97.9		100	98	95.1		100	95
Copper	92.9		100	93	94.5		100	94	92.1		100	92
Magnesium	52500		50000	105	52700		50000	105	52700		50000	105
Nickel	93.9		100	94	94.0		100	94	92.7		100	93
Potassium	48600		50000	97	49200		50000	98	49500		50000	99
Selenium	101		100	101	105		100	105	98.1		100	98
Silver	97.0		100	97	98.7		100	99	98.7		100	99
Sodium	46700		50000	93	46800		50000	94	47200		50000	94
Thallium	97.2		100	97	97.6		100	98	97.0		100	97
Zinc	101		100	101	102		100	102	99.8		100	100

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

ICV Source: MICVX_00001 Concentration Units: ug/L

CCV Source: MCCV1X_00027

Analyte	CCV 180-51644/94 10/10/2012 00:17											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	96.5		100	96								
Barium	98.2		100	98								
Iron	27400		25000	110								
Lead	96.7		100	97								
Manganese	532		500	106								
Vanadium	100		100	100								
Aluminum	526		500	105								
Antimony	103		100	103								
Beryllium	90.0		100	90								
Cadmium	101		100	101								
Calcium	49500		50000	99								
Chromium	102		100	102								
Cobalt	96.0		100	96								
Copper	90.6		100	91								
Magnesium	53900		50000	108								
Nickel	90.9		100	91								
Potassium	50000		50000	100								
Selenium	98.3		100	98								
Silver	97.9		100	98								
Sodium	47100		50000	94								
Thallium	96.5		100	96								
Zinc	101		100	101								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Method: 6020A Instrument ID: M

Lab Sample ID: CRI 180-51644/7 Concentration Units: ug/L

CRQL Check Standard Source: MCRIX_00019

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	1.00	0.789	J	79	70-130
Barium	10.0	9.70	J	97	70-130
Iron	50.0	62.1		124	70-130
Lead	1.00	0.995	J	100	70-130
Manganese	5.00	4.82	J	96	70-130
Vanadium	1.00	0.934	J	93	70-130

Lab Sample ID: CRI 180-51644/96 Concentration Units: ug/L

CRQL Check Standard Source: MCRIX_00019

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	1.00	0.939	J	94	70-130
Barium	10.0	9.50	J	95	70-130
Iron	50.0	49.8	J	100	70-130
Lead	1.00	0.953	J	95	70-130
Manganese	5.00	5.03		101	70-130
Vanadium	1.00	0.927	J	93	70-130

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 180-51644/6 10/09/2012 16:24		CCB1 180-51644/11 10/09/2012 17:01		CCB4 180-51644/47 10/09/2012 20:17		CCB5 180-51644/59 10/09/2012 21:21	
		Found	C	Found	C	Found	C	Found	C
Arsenic	1.0	ND		ND		ND		ND	
Barium	10	ND		ND		ND		0.0980	J
Iron	50	22.8	J	20.9	J	15.3	J	18.3	J
Lead	1.0	0.0340	J	0.0320	J	0.0400	J	0.0820	J
Manganese	5.0	ND		ND		0.0530	J	0.454	J
Vanadium	1.0	ND		ND		0.0850	J	0.101	J
Aluminum	30	ND		ND		ND		ND	
Antimony	2.0	0.0280	J	0.0340	J	0.0630	J	0.0790	J
Beryllium	1.0	ND		ND		ND		ND	
Cadmium	1.0	ND		ND		ND		ND	
Calcium	100	ND		ND		8.05	J	23.8	J
Chromium	2.0	ND		ND		ND		ND	
Cobalt	0.50	ND		ND		ND		0.0310	J
Copper	2.0	ND		ND		ND		ND	
Magnesium	100	ND		ND		4.22	J	16.1	J
Nickel	1.0	ND		ND		ND		ND	
Potassium	100	23.2	J	26.7	J	ND		ND	
Selenium	5.0	ND		ND		ND		ND	
Silver	1.0	ND		ND		ND		ND	
Sodium	100	ND		24.4	J	37.0	J	69.1	J
Thallium	1.0	ND		ND		0.0250	J	0.0560	J
Zinc	5.0	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB6 180-51644/71 10/09/2012 22:25		CCB7 180-51644/83 10/09/2012 23:23		CCB8 180-51644/95 10/10/2012 00:24			
		Found	C	Found	C	Found	C	Found	C
Arsenic	1.0	ND		ND		ND			
Barium	10	ND		ND		0.106	J		
Iron	50	17.6	J	12.2	J	16.4	J		
Lead	1.0	0.0510	J	0.0550	J	0.0790	J		
Manganese	5.0	0.115	J	0.164	J	0.374	J		
Vanadium	1.0	ND		0.117	J	0.144	J		
Aluminum	30	ND		ND		ND			
Antimony	2.0	0.0590	J	0.0960	J	0.127	J		
Beryllium	1.0	ND		ND		ND			
Cadmium	1.0	ND		ND		ND			
Calcium	100	7.92	J	9.07	J	17.5	J		
Chromium	2.0	ND		ND		ND			
Cobalt	0.50	ND		0.0280	J	0.0390	J		
Copper	2.0	ND		ND		ND			
Magnesium	100	6.49	J	6.73	J	14.1	J		
Nickel	1.0	ND		ND		ND			
Potassium	100	ND		ND		ND			
Selenium	5.0	ND		ND		ND			
Silver	1.0	ND		ND		ND			
Sodium	100	56.2	J	67.5	J	67.3	J		
Thallium	1.0	0.0410	J	0.0540	J	0.0800	J		
Zinc	5.0	ND		ND		ND			

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 180-50436/1-A

Instrument Code: M Batch No.: 51644

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	ND			6020A
7440-39-3	Barium	ND			6020A
7439-89-6	Iron	15.7	J		6020A
7439-92-1	Lead	0.0380	J		6020A
7439-96-5	Manganese	0.366	J		6020A
7440-62-2	Vanadium	0.221	J		6020A

FORM III-IN

3-IN
METHOD BLANK
METALS - TOTAL RECOVERABLE

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 180-50670/1-A

Instrument Code: M Batch No.: 51644

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	ND			6020A
7440-39-3	Barium	ND			6020A
7439-89-6	Iron	6.77	J		6020A
7439-92-1	Lead	0.0430	J		6020A
7439-96-5	Manganese	0.127	J		6020A
7440-62-2	Vanadium	0.247	J		6020A

FORM III-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: ICSA 180-51644/8 Instrument ID: M

Lab File ID: M21009A.xml ICS Source: MICSAX_00019

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		**-0.138**	
Barium		**0.316**	
Iron	**100000**	**109800**	**110**
Lead		**0.290**	
Manganese		**0.988**	
Vanadium		**-0.0100**	
Aluminum	*100000*	*117300*	*117*
Antimony		*0.358*	
Beryllium		*0.0040*	
Boron		*1.36*	
Cadmium		*1.11*	
Calcium	*100000*	*110000*	*110*
Chromium		*0.353*	
Cobalt		*0.173*	
Copper		*1.97*	
Magnesium	*100000*	*112900*	*113*
Molybdenum	*2000*	*2216*	*111*
Nickel		*0.506*	
Potassium	*100000*	*106100*	*106*
Selenium		*-3.08*	
Silicon		*33.0*	
Silver		*0.167*	
Sodium	*100000*	*102600*	*103*
Strontium		*0.555*	
Thallium		*0.0980*	
Tin		*0.282*	
Titanium	*2000*	*2383*	*119*
Zinc		*3.89*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Lab Sample ID: ICSAB 180-51644/9 Instrument ID: M

Lab File ID: M21009A.xml ICS Source: MICSABX_00022

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Arsenic	**20.0**	**21.7**	**109**
Barium	**20.0**	**21.4**	**107**
Iron	**100000**	**108800**	**109**
Lead	**20.0**	**22.2**	**111**
Manganese	**22.5**	**23.1**	**103**
Vanadium	**20.0**	**21.1**	**106**
Aluminum	*100000*	*119067*	*119*
Antimony	*20.0*	*22.5*	*113*
Beryllium	*20.0*	*19.4*	*97*
Boron	*50.0*	*54.1*	*108*
Cadmium	*20.0*	*22.5*	*112*
Calcium	*100000*	*109900*	*110*
Chromium	*20.0*	*21.9*	*109*
Cobalt	*20.0*	*20.2*	*101*
Copper	*20.0*	*20.6*	*103*
Magnesium	*100000*	*113133*	*113*
Molybdenum	*2000*	*2205*	*110*
Nickel	*20.0*	*19.7*	*99*
Potassium	*100000*	*103167*	*103*
Selenium	*50.0*	*53.6*	*107*
Silicon	*500*	*605*	*121*
Silver	*20.0*	*21.6*	*108*
Sodium	*100000*	*98250*	*98*
Strontium	*20.0*	*21.7*	*108*
Thallium	*20.0*	*22.0*	*110*
Tin	*100*	*110*	*110*
Titanium	*2000*	*2355*	*118*
Zinc	*25.0*	*24.6*	*99*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: MW-104 MS
Lab ID: 180-14634-2 MS
Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG No.:
Matrix: Water
Concentration Units: ug/L
% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	69.1		32		40.0	92	75-125		6020A
Barium	2560		700		2000	93	75-125		6020A
Iron	12200		11000		1000	91	75-125	4	6020A
Lead	17.8		0.043	J	20.0	89	75-125		6020A
Manganese	2350		1900		500	99	75-125		6020A
Vanadium	477		2.6		500	95	75-125		6020A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: TMP-5 MS

Lab ID: 180-14634-11 MS

Lab Name: TestAmerica Pittsburgh

Job No.: 180-14634-1

SDG No.:

Matrix: Water

Concentration Units: ug/L

% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	36.6		2.4		40.0	86	75-125		6020A
Barium	2020		190		2000	91	75-125		6020A
Iron	7060		5500		1000	156	75-125	4	6020A
Lead	22.9		4.3		20.0	93	75-125		6020A
Manganese	3550		3000		500	111	75-125	4	6020A
Vanadium	467		6.3		500	92	75-125		6020A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: MW-104 MSD
Lab ID: 180-14634-2 MSD
Lab Name: TestAmerica Pittsburgh
Job No.: 180-14634-1
SDG No.:
Matrix: Water
Concentration Units: ug/L
% Solids:

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	70.0		40.0	94	75-125	1	20		6020A
Barium	2680		2000	99	75-125	4	20		6020A
Iron	12400		1000	116	75-125	2	20	4	6020A
Lead	18.7		20.0	93	75-125	5	20		6020A
Manganese	2420		500	111	75-125	3	20		6020A
Vanadium	485		500	96	75-125	2	20		6020A

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VD - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: TMP-5 MSD

Lab ID: 180-14634-11 MSD

Lab Name: TestAmerica Pittsburgh

Job No.: 180-14634-1

SDG No.:

Matrix: Water

Concentration Units: ug/L

% Solids:

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	34.7		40.0	81	75-125	5	20		6020A
Barium	1940		2000	88	75-125	4	20		6020A
Iron	6890		1000	139	75-125	2	20	4	6020A
Lead	24.1		20.0	99	75-125	5	20		6020A
Manganese	3440		500	88	75-125	3	20	4	6020A
Vanadium	453		500	89	75-125	3	20		6020A

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VD - IN

7A-IN
LAB CONTROL SAMPLE
METALS - TOTAL RECOVERABLE

Lab ID: LCS 180-50670/2-A

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

Sample Matrix: Water LCS Source: MTAPITTICPMS_00009

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	40.0	37.2		93	80	120		6020A
Barium	2000	1930		96	80	120		6020A
Iron	1000	1060		106	80	120		6020A
Lead	20.0	18.6		93	80	120		6020A
Manganese	500	527		105	80	120		6020A
Vanadium	500	503		101	80	120		6020A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 180-50436/2-A

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

Sample Matrix: Water LCS Source: MTAPITTICPMS_00009

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	40.0	35.8		89	80	120		6020A
Barium	2000	1960		98	80	120		6020A
Iron	1000	1120		112	80	120		6020A
Lead	20.0	20.3		101	80	120		6020A
Manganese	500	519		104	80	120		6020A
Vanadium	500	495		99	80	120		6020A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS - DISSOLVED

Lab ID: 180-14634-2

SDG No:

Lab Name: TestAmerica Pittsburgh Job No: 180-14634-1

Matrix: Water Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Arsenic	32		31.9		1.7		6020A
Barium	700		684		1.7		6020A
Iron	11000		11600		3.6		6020A
Lead	0.043	J	ND		NC		6020A
Manganese	1900		1780		4.3		6020A
Vanadium	2.6		2.60	J	NC		6020A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 180-14634-11

SDG No:

Lab Name: TestAmerica Pittsburgh Job No: 180-14634-1

Matrix: Water Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Arsenic	2.4		12.2		NC		6020A
Barium	190		189		2.1		6020A
Iron	5500		5510		0.02		6020A
Lead	4.3		4.69	J	8.7		6020A
Manganese	3000		2810		6.2		6020A
Vanadium	6.3		3.32	J	47	V	6020A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Pittsburgh Job Number: 180-14634-1

SDG Number:

Matrix: Water Instrument ID: M

Method: 6020A MDL Date: 01/23/2010 18:33

Prep Method: 3010A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Arsenic	75	1	0.2908
Barium	137	10	0.098
Iron	56	50	6.0901
Lead	208	1	0.0192
Manganese	55	5	0.0389
Vanadium	51	1	0.0824

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Pittsburgh Job Number: 180-14634-1

SDG Number:

Matrix: Water Instrument ID: M

Method: 6020A XMDL Date: 01/23/2010 18:33

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Arsenic	75	1	0.2908
Barium	137	10	0.098
Iron	56	50	6.0901
Lead	208	1	0.0192
Manganese	55	5	0.0389
Vanadium	51	1	0.0824

9-IN
DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Pittsburgh Job Number: 180-14634-1

SDG Number:

Matrix: Water Instrument ID: M

Method: 6020A MDL Date: 01/23/2010 18:33

Prep Method: 3005A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Arsenic	75	1	0.2908
Barium	137	10	0.098
Iron	56	50	6.0901
Lead	208	1	0.0192
Manganese	55	5	0.0389
Vanadium	51	1	0.0824

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Pittsburgh Job Number: 180-14634-1

SDG Number:

Matrix: Water Instrument ID: M

Method: 6020A XMDL Date: 01/23/2010 18:33

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Arsenic	75	1	0.2908
Barium	137	10	0.098
Iron	56	50	6.0901
Lead	208	1	0.0192
Manganese	55	5	0.0389
Vanadium	51	1	0.0824

FORM IX - IN

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Pittsburgh Job No: 180-14634-1

SDG No.:

Instrument ID: M Date: 03/14/2011 22:35

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Arsenic		4500	6020A
Barium		13500	6020A
Iron		450000	6020A
Lead		20000	6020A
Manganese		25000	6020A
Vanadium		13500	6020A

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 180-50436/1-A	10/02/2012 09:24	50436		50	50
LCS 180-50436/2-A	10/02/2012 09:24	50436		50	50
180-14634-2	10/02/2012 09:24	50436		50	50
180-14634-3	10/02/2012 09:24	50436		50	50
180-14634-4	10/02/2012 09:24	50436		50	50
180-14634-5	10/02/2012 09:24	50436		50	50
180-14634-6	10/02/2012 09:24	50436		50	50
180-14634-7	10/02/2012 09:24	50436		50	50
180-14634-8	10/02/2012 09:24	50436		50	50
180-14634-9	10/02/2012 09:24	50436		50	50
180-14634-11	10/02/2012 09:24	50436		50	50
180-14634-11 MS	10/02/2012 09:24	50436		50	50
180-14634-11 MSD	10/02/2012 09:24	50436		50	50
180-14634-12	10/02/2012 09:24	50436		50	50
180-14634-13	10/02/2012 09:24	50436		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Prep Method: 3005A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 180-50670/1-A	10/03/2012 15:27	50670		50	50
LCS 180-50670/2-A	10/03/2012 15:27	50670		50	50
180-14634-2	10/03/2012 15:27	50670		50	50
180-14634-2 MS	10/03/2012 15:27	50670		50	50
180-14634-2 MSD	10/03/2012 15:27	50670		50	50
180-14634-3	10/03/2012 15:27	50670		50	50
180-14634-4	10/03/2012 15:27	50670		50	50
180-14634-5	10/03/2012 15:27	50670		50	50
180-14634-6	10/03/2012 15:27	50670		50	50
180-14634-7	10/03/2012 15:27	50670		50	50
180-14634-8	10/03/2012 15:27	50670		50	50
180-14634-9	10/03/2012 15:27	50670		50	50
180-14634-11	10/03/2012 15:27	50670		50	50
180-14634-12	10/03/2012 15:27	50670		50	50
180-14634-13	10/03/2012 15:27	50670		50	50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Instrument ID: M Method: 6020A

Start Date: 10/09/2012 15:39 End Date: 10/10/2012 04:59

Lab Sample ID	D/F	Type	Time	Analytes																			
				As	Ba	Fe	Mn	Pb	V														
ITUNE 180-51644/1			15:39																				
STD1 180-51644/2 IC	1		16:03	X	X	X	X	X	X														
STD2 180-51644/3 IC	1		16:08	X	X	X	X	X	X														
STD3 180-51644/4 IC	1		16:13	X	X	X	X	X	X														
ICV 180-51644/5	1		16:17	X	X	X	X	X	X														
ICB 180-51644/6	1		16:24	X	X	X	X	X	X														
CRI 180-51644/7	1		16:37	X	X	X	X	X	X														
ICSA 180-51644/8	1		16:42	X	X	X	X	X	X														
ICSAB 180-51644/9	1		16:46	X	X	X	X	X	X														
CCV 180-51644/10	1		16:54	X	X	X	X	X	X														
CCB1 180-51644/11	1		17:01	X	X	X	X	X	X														
ZZZZZZ			17:05																				
ZZZZZZ			17:10																				
ZZZZZZ			17:18																				
ZZZZZZ			17:22																				
ZZZZZZ			17:26																				
ZZZZZZ			17:31																				
ZZZZZZ			17:35																				
ZZZZZZ			17:39																				
ZZZZZZ			17:43																				
ZZZZZZ			17:48																				
CCV 180-51644/22			17:55																				
CCB2 180-51644/23			18:02																				
ZZZZZZ			18:07																				
ZZZZZZ			18:11																				
ZZZZZZ			18:15																				
ZZZZZZ			18:20																				
ZZZZZZ			18:24																				
ZZZZZZ			18:32																				
ZZZZZZ			18:36																				
ZZZZZZ			18:44																				
ZZZZZZ			18:48																				
ZZZZZZ			18:53																				
CCV 180-51644/34			19:00																				
CCB3 180-51644/35			19:07																				
ZZZZZZ			19:11																				
ZZZZZZ			19:16																				
ZZZZZZ			19:20																				
ZZZZZZ			19:33																				
ZZZZZZ			19:41																				
ZZZZZZ			19:45																				
ZZZZZZ			19:50																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Instrument ID: M Method: 6020A

Start Date: 10/09/2012 15:39 End Date: 10/10/2012 04:59

Lab Sample ID	D/F	Type	Time	Analytes																			
				As	Ba	Fe	Mn	Pb	V														
ZZZZZZ			19:54																				
ZZZZZZ			19:58																				
ZZZZZZ			20:03																				
CCV 180-51644/46	1		20:10	X	X	X	X	X	X														
CCB4 180-51644/47	1		20:17	X	X	X	X	X	X														
MB 180-50670/1-A	1	R	20:21	X	X	X	X	X	X														
LCS 180-50670/2-A	1	R	20:26	X	X	X	X	X	X														
180-14634-2	1	D	20:33	X	X	X	X	X	X														
180-14634-2 SD	5	D	20:37	X	X	X	X	X	X														
180-14634-2 MS	1	D	20:42	X	X	X	X	X	X														
180-14634-2 MSD	1	D	20:46	X	X	X	X	X	X														
180-14634-3	1	D	20:53	X	X	X	X	X	X														
180-14634-4	1	D	20:58	X	X	X	X	X	X														
180-14634-5	1	D	21:02	X	X	X	X	X	X														
180-14634-6	1	D	21:06	X	X	X	X	X	X														
CCV 180-51644/58	1		21:13	X	X	X	X	X	X														
CCB5 180-51644/59	1		21:21	X	X	X	X	X	X														
180-14634-7	1	D	21:25	X	X	X	X	X	X														
180-14634-8	1	D	21:29	X	X	X	X	X	X														
180-14634-9	1	D	21:34	X	X	X	X	X	X														
180-14634-11	1	D	21:38	X	X	X	X	X	X														
180-14634-12	1	D	21:42	X	X	X	X	X	X														
180-14634-13	1	D	21:47	X	X	X	X	X	X														
MB 180-50436/1-A	1	T	21:55	X	X	X	X	X	X														
LCS 180-50436/2-A	1	T	21:59	X	X	X	X	X	X														
180-14634-2	1	T	22:06	X	X	X	X	X	X														
180-14634-3	1	T	22:10	X	X	X	X	X	X														
CCV 180-51644/70	1		22:18	X	X	X	X	X	X														
CCB6 180-51644/71	1		22:25	X	X	X	X	X	X														
180-14634-4	1	T	22:29	X	X	X	X	X	X														
180-14634-5	1	T	22:34	X	X	X	X	X	X														
180-14634-6	1	T	22:38	X	X	X	X	X	X														
180-14634-7	1	T	22:42	X	X	X	X	X	X														
180-14634-8	1	T	22:47	X	X	X	X	X	X														
180-14634-9	1	T	22:51	X	X	X	X	X	X														
ZZZZZZ			22:55																				
180-14634-11	1	T	23:00	X	X	X	X	X	X														
180-14634-11 SD	5	T	23:04	X	X	X	X	X	X														
180-14634-11 MS	1	T	23:08	X	X	X	X	X	X														
CCV 180-51644/82	1		23:16	X	X	X	X	X	X														
CCB7 180-51644/83	1		23:23	X	X	X	X	X	X														
180-14634-11 MSD	1	T	23:27	X	X	X	X	X	X														

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Instrument ID: M Method: 6020A

Start Date: 10/09/2012 15:39 End Date: 10/10/2012 04:59

Lab Sample ID	D/F	Type	Time	Analytes																			
				As	Ba	Fe	Mn	Pb	V														
180-14634-12	1	T	23:32	X	X	X	X	X	X														
180-14634-13	1	T	23:36	X	X	X	X	X	X														
ZZZZZZ			23:44																				
ZZZZZZ			23:48																				
ZZZZZZ			23:52																				
ZZZZZZ			23:57																				
ZZZZZZ			00:01																				
ZZZZZZ			00:06																				
ZZZZZZ			00:10																				
CCV 180-51644/94	1		00:17	X	X	X	X	X	X														
CCB8 180-51644/95	1		00:24	X	X	X	X	X	X														
CRI 180-51644/96	1		00:32	X	X	X	X	X	X														
ZZZZZZ			00:40																				
ZZZZZZ			00:45																				
ZZZZZZ			00:49																				
ZZZZZZ			00:53																				
ZZZZZZ			00:58																				
ZZZZZZ			01:02																				
ZZZZZZ			01:06																				
ZZZZZZ			01:11																				
CCV 180-51644/105			01:18																				
CCB9 180-51644/106			01:25																				
ZZZZZZ			01:30																				
ZZZZZZ			01:34																				
ZZZZZZ			01:38																				
ZZZZZZ			01:43																				
ZZZZZZ			01:47																				
ZZZZZZ			01:51																				
ZZZZZZ			01:56																				
ZZZZZZ			02:00																				
ZZZZZZ			02:04																				
ZZZZZZ			02:09																				
CCV 180-51644/117			02:16																				
CCB10 180-51644/118			02:23																				
ZZZZZZ			02:31																				
ZZZZZZ			02:36																				
ZZZZZZ			02:40																				
ZZZZZZ			02:44																				
ZZZZZZ			02:49																				
ZZZZZZ			02:53																				
ZZZZZZ			02:57																				
ZZZZZZ			03:02																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Instrument ID: M Method: 6020A

Start Date: 10/09/2012 15:39 End Date: 10/10/2012 04:59

Lab Sample ID	D/F	Type	Time	Analytes																			
				As	Ba	Fe	Mn	Pb	V														
ZZZZZZ			03:06																				
ZZZZZZ			03:10																				
CCV 180-51644/129			03:18																				
CCB11 180-51644/130			03:25																				
ZZZZZZ			03:29																				
ZZZZZZ			03:34																				
ZZZZZZ			03:38																				
ZZZZZZ			03:42																				
ZZZZZZ			03:47																				
ZZZZZZ			03:51																				
ZZZZZZ			03:55																				
ZZZZZZ			04:00																				
ZZZZZZ			04:04																				
ZZZZZZ			04:09																				
CCV 180-51644/141			04:16																				
CCB12 180-51644/142			04:23																				
ZZZZZZ			04:28																				
ZZZZZZ			04:32																				
ZZZZZZ			04:36																				
ZZZZZZ			04:41																				
ZZZZZZ			04:45																				
CCV 180-51644/148			04:52																				
CCB13 180-51644/149			04:59																				

Prep Types

D = Dissolved

R = Total Recoverable

T = Total/NA

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

ICP-MS Instrument ID: M Start Date: 10/09/2012 End Date: 10/10/2012

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc	Q	Element Y-89	Q	Element Rh-103	Q	Element In	Q
STD1 180-51644/2 IC	16:03	100		100		100		100		100	
STD2 180-51644/3 IC	16:08	90		87		86		84		85	
STD3 180-51644/4 IC	16:13	92		94		94		94		95	
ICV 180-51644/5	16:17	92		95		94		90		91	
ICB 180-51644/6	16:24	95		95		95		97		96	
CRI 180-51644/7	16:37	98		98		94		95		95	
ICSA 180-51644/8	16:42	81		86		89		84		89	
ICSAB 180-51644/9	16:46	80		87		92		84		91	
CCV 180-51644/10	16:54	88		96		98		95		99	
CCB1 180-51644/11	17:01	101		104		100		100		102	
CCV 180-51644/46	20:10	89		85		85		85		88	
CCB4 180-51644/47	20:17	101		89		93		92		94	
MB 180-50670/1-A	20:21	102		86		89		87		90	
LCS 180-50670/2-A	20:26	118		98		94		90		97	
180-14634-2	20:33	116		99		98		88		96	
180-14634-2 SD	20:37	94		83		81		82		86	
180-14634-2 MS	20:42	112		97		91		86		93	
180-14634-2 MSD	20:46	111		96		95		83		90	
180-14634-3	20:53	109		92		91		80		87	
180-14634-4	20:58	119		103		101		89		97	
180-14634-5	21:02	113		93		92		81		88	
180-14634-6	21:06	116		94		93		82		90	
CCV 180-51644/58	21:13	85		78		78		77		82	
CCB5 180-51644/59	21:21	104		90		95		84		86	
180-14634-7	21:25	117		98		95		84		92	
180-14634-8	21:29	111		93		93		81		90	
180-14634-9	21:34	110		92		92		81		90	
180-14634-11	21:38	115		94		93		82		90	
180-14634-12	21:42	117		93		92		83		90	
180-14634-13	21:47	113		94		93		82		90	
MB 180-50436/1-A	21:55	108		84		78		76		79	
LCS 180-50436/2-A	21:59	101		85		81		77		83	
180-14634-2	22:06	108		83		84		75		82	
180-14634-3	22:10	102		81		87		75		81	
CCV 180-51644/70	22:18	87		79		78		78		82	
CCB6 180-51644/71	22:25	110		91		85		83		86	
180-14634-4	22:29	106		83		85		78		84	
180-14634-5	22:34	104		81		83		74		81	
180-14634-6	22:38	101		79		84		73		80	
180-14634-7	22:42	102		80		86		74		81	
180-14634-8	22:47	103		84		101		75		82	
180-14634-9	22:51	106		84		87		78		85	

FORM XV - IN

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

ICP-MS Instrument ID: M Start Date: 10/09/2012 End Date: 10/10/2012

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc	Q	Element Y-89	Q	Element Rh-103	Q	Element In	Q
180-14634-9	22:55	107		81		86		75		82	
180-14634-11	23:00	106		81		86		74		82	
180-14634-11 SD	23:04	89		70		75		70		76	
180-14634-11 MS	23:08	97		82		80		73		81	
CCV 180-51644/82	23:16	80		71		75		71		75	
CCB7 180-51644/83	23:23	109		85		82		77		80	
180-14634-11 MSD	23:27	86		76		77		70		77	
180-14634-12	23:32	105		79		82		75		81	
180-14634-13	23:36	101		79		82		72		80	
CCV 180-51644/94	00:17	81		69		75		71		75	
CCB8 180-51644/95	00:24	102		83		84		77		81	
CRI 180-51644/96	00:32	105		79		74		75		78	

FORM XV - IN

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

ICP-MS Instrument ID: M Start Date: 10/09/2012 End Date: 10/10/2012

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Tb	Q	Element Ho	Q	Element Bi	Q	Element	Q	Element	Q
STD1 180-51644/2 IC	16:03	100		100		100					
STD2 180-51644/3 IC	16:08	89		90		90					
STD3 180-51644/4 IC	16:13	96		97		97					
ICV 180-51644/5	16:17	94		94		94					
ICB 180-51644/6	16:24	97		98		98					
CRI 180-51644/7	16:37	96		97		97					
ICSA 180-51644/8	16:42	96		97		94					
ICSAB 180-51644/9	16:46	99		99		95					
CCV 180-51644/10	16:54	103		104		100					
CCB1 180-51644/11	17:01	104		104		104					
CCV 180-51644/46	20:10	95		97		97					
CCB4 180-51644/47	20:17	99		100		103					
MB 180-50670/1-A	20:21	96		97		99					
LCS 180-50670/2-A	20:26	106		107		110					
180-14634-2	20:33	105		106		109					
180-14634-2 SD	20:37	95		96		93					
180-14634-2 MS	20:42	103		105		110					
180-14634-2 MSD	20:46	101		100		101					
180-14634-3	20:53	95		94		93					
180-14634-4	20:58	103		102		93					
180-14634-5	21:02	95		95		91					
180-14634-6	21:06	98		97		93					
CCV 180-51644/58	21:13	89		90		89					
CCB5 180-51644/59	21:21	91		91		94					
180-14634-7	21:25	101		101		96					
180-14634-8	21:29	98		98		95					
180-14634-9	21:34	99		98		96					
180-14634-11	21:38	99		100		95					
180-14634-12	21:42	97		98		97					
180-14634-13	21:47	100		100		95					
MB 180-50436/1-A	21:55	86		87		89					
LCS 180-50436/2-A	21:59	93		93		90					
180-14634-2	22:06	92		93		91					
180-14634-3	22:10	92		93		91					
CCV 180-51644/70	22:18	89		90		91					
CCB6 180-51644/71	22:25	91		91		95					
180-14634-4	22:29	92		93		87					
180-14634-5	22:34	91		92		90					
180-14634-6	22:38	90		91		85					
180-14634-7	22:42	91		92		89					
180-14634-8	22:47	95		95		90					
180-14634-9	22:51	95		96		95					

FORM XV - IN

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

ICP-MS Instrument ID: M Start Date: 10/09/2012 End Date: 10/10/2012

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Tb	Q	Element Ho	Q	Element Bi	Q	Element	Q	Element	Q
180-14634-9	22:55	92		93		90					
180-14634-11	23:00	92		93		91					
180-14634-11 SD	23:04	84		85		81					
180-14634-11 MS	23:08	93		93		92					
CCV 180-51644/82	23:16	84		85		87					
CCB7 180-51644/83	23:23	87		87		92					
180-14634-11 MSD	23:27	88		88		81					
180-14634-12	23:32	90		90		92					
180-14634-13	23:36	90		91		86					
CCV 180-51644/94	00:17	84		85		87					
CCB8 180-51644/95	00:24	87		88		94					
CRI 180-51644/96	00:32	85		86		93					

FORM XV - IN

Dilution Corrected Concentrations

STD1 586954 INT STD 10/9/2012 4:03:31 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:04:14	99.319%	0.008	-0.036	0.033	0.000	-0.904	0.088	-0.223
2	16:04:57	100.989%	0.007	-0.527	-0.140	0.000	3.200	-0.248	-0.068
3	16:05:40	99.692%	-0.015	0.563	0.107	0.000	-2.296	0.160	0.291
x		100.000%	0.000	0.000	0.000	0.000	0.000	0.000	0.000
σ		0.876%	0.013	0.546	0.127	0.000	2.857	0.218	0.264
%RSD		0.876	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:04:14	-0.092	0.074	0.000	3.622	-2.030	-1.103	98.957%	-0.041
2	16:04:57	0.120	-0.190	0.000	-2.571	7.403	0.497	100.234%	0.087
3	16:05:40	-0.029	0.115	0.000	-1.051	-5.372	0.606	100.810%	-0.046
x		0.000	0.000	0.000	-0.000	0.000	0.000	100.000%	-0.000
σ		0.109	0.165	0.000	3.227	6.625	0.957	0.948%	0.075
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0.948	0.000

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:04:14	-0.001	0.033	0.001	0.725	-0.394	0.002	-0.096	0.024
2	16:04:57	0.007	-0.002	-0.007	-0.252	-0.422	-0.003	0.011	-0.014
3	16:05:40	-0.006	-0.032	0.006	-0.473	0.816	0.001	0.085	-0.010
x		0.000	-0.000	-0.000	0.000	-0.000	0.000	0.000	0.000
σ		0.006	0.033	0.007	0.637	0.707	0.003	0.091	0.021
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:04:14	-0.018	-0.075	-0.075	0.163	0.203	0.767	0.000	-0.001
2	16:04:57	0.023	-0.019	0.044	-0.051	0.249	-0.114	0.000	-0.000
3	16:05:40	-0.005	0.094	0.031	-0.112	-0.452	-0.653	0.000	0.001
x		-0.000	0.000	-0.000	0.000	0.000	0.000	0.000	-0.000
σ		0.021	0.086	0.065	0.144	0.392	0.717	0.000	0.001
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:04:14	99.032%	0.008	0.002	99.588%	-0.002	-0.003	0.013	-0.010
2	16:04:57	100.283%	-0.011	0.007	100.641%	0.003	0.001	0.061	0.049
3	16:05:40	100.685%	0.003	-0.009	99.770%	-0.002	0.002	-0.073	-0.040
x		100.000%	-0.000	0.000	100.000%	0.000	0.000	-0.000	0.000
σ		0.862%	0.010	0.008	0.563%	0.003	0.003	0.068	0.045
%RSD		0.862	0.000	0.000	0.563	0.000	0.000	0.000	0.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:04:14	99.306%	-0.003	-0.007	0.001	-0.017	0.002	99.335%	99.308%
2	16:04:57	99.715%	0.032	0.009	0.006	-0.026	-0.038	99.662%	99.489%
3	16:05:40	100.979%	-0.029	-0.002	-0.007	0.043	0.036	101.004%	101.203%
x		100.000%	0.000	0.000	-0.000	0.000	-0.000	100.000%	100.000%
σ		0.873%	0.031	0.008	0.007	0.038	0.037	0.884%	1.045%
%RSD		0.873	0.000	0.000	0.000	0.000	0.000	0.884	1.045

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:04:14	0.006	0.000	0.000	0.010	0.001	99.172%
2	16:04:57	-0.005	0.002	-0.002	-0.007	-0.005	100.349%
3	16:05:40	-0.001	-0.002	0.002	-0.003	0.004	100.479%
x		0.000	0.000	-0.000	-0.000	-0.000	100.000%
σ		0.006	0.002	0.002	0.009	0.004	0.720%
%RSD		0.000	0.000	0.000	0.000	0.000	0.720

STD2 586955 10/9/2012 4:08:56 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:09:39	92.013%	194.700	1.090	0.985	0.000	98900.000	99170.000	98460.000
2	16:10:22	87.953%	204.800	0.897	1.182	0.000	101400.000	100300.000	101600.000
3	16:11:05	89.688%	200.500	0.597	0.583	0.000	99740.000	100600.000	99940.000
x		89.885%	200.000	0.862	0.916	0.000	100000.000	100000.000	100000.000
σ		2.037%	5.066	0.248	0.305	0.000	1252.000	732.700	1577.000
%RSD		2.266	2.533	28.790	33.310	0.000	1.252	0.733	1.577

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:09:39	985.300	12.610	0.000	99510.000	100100.000	99840.000	87.189%	0.217
2	16:10:22	1017.000	16.010	0.000	100400.000	100100.000	100400.000	86.849%	0.408
3	16:11:05	998.000	13.380	0.000	100100.000	99750.000	99720.000	86.678%	-0.122
x		1000.000	14.000	0.000	100000.000	100000.000	100000.000	86.905%	0.168
σ		15.820	1.781	0.000	450.600	213.300	386.600	0.260%	0.269
%RSD		1.582	12.720	0.000	0.451	0.213	0.387	0.299	160.200

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:09:39	199.200	197.100	990.800	49600.000	49820.000	199.100	200.500	198.900
2	16:10:22	200.800	201.800	1004.000	50090.000	50100.000	199.700	200.000	199.900
3	16:11:05	200.000	201.100	1006.000	50310.000	50080.000	201.100	199.500	201.200
x		200.000	200.000	1000.000	50000.000	50000.000	200.000	200.000	200.000
σ		0.824	2.573	8.048	364.600	152.300	1.015	0.540	1.176
%RSD		0.412	1.286	0.805	0.729	0.304	0.508	0.270	0.588

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:09:39	199.800	196.700	198.800	198.200	199.500	198.400	0.000	200.700
2	16:10:22	198.400	201.300	199.800	200.600	200.500	200.100	0.000	199.400
3	16:11:05	201.800	202.000	201.400	201.200	200.000	201.500	0.000	200.000
x		200.000	200.000	200.000	200.000	200.000	200.000	0.000	200.000
σ		1.730	2.875	1.268	1.573	0.544	1.524	0.000	0.655
%RSD		0.865	1.437	0.634	0.786	0.272	0.762	0.000	0.328

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:09:39	85.688%	0.258	0.257	84.124%	200.200	199.700	200.700	199.900
2	16:10:22	85.748%	0.288	0.255	84.845%	199.900	200.700	200.900	200.900
3	16:11:05	85.577%	0.205	0.216	84.269%	199.800	199.600	198.400	199.200
x		85.671%	0.250	0.243	84.413%	200.000	200.000	200.000	200.000
σ		0.087%	0.042	0.023	0.381%	0.204	0.645	1.403	0.820
%RSD		0.101	16.890	9.631	0.452	0.102	0.322	0.702	0.410

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:09:39	85.363%	0.260	0.124	0.168	200.200	199.700	88.392%	89.260%
2	16:10:22	84.911%	0.186	0.124	0.128	202.900	202.600	88.131%	89.512%
3	16:11:05	86.013%	0.228	0.115	0.130	196.900	197.700	89.833%	90.717%
x		85.429%	0.225	0.121	0.142	200.000	200.000	88.785%	89.829%
σ		0.554%	0.037	0.005	0.023	2.995	2.484	0.917%	0.779%
%RSD		0.648	16.500	4.419	15.830	1.497	1.242	1.033	0.867

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:09:39	197.300	195.300	196.400	195.800	196.200	90.279%
2	16:10:22	200.600	201.500	200.500	200.900	200.800	89.536%
3	16:11:05	202.200	203.300	203.100	203.300	203.000	89.000%
x		200.000	200.000	200.000	200.000	200.000	89.605%
σ		2.501	4.203	3.394	3.828	3.502	0.642%
%RSD		1.251	2.102	1.697	1.914	1.751	0.717

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:13:56	90.388%	0.060	201.200	196.600	0.000	60.780	48.430	44.470
2	16:14:39	91.297%	0.084	203.300	200.400	0.000	58.370	46.120	45.660
3	16:15:22	93.645%	0.130	195.500	203.000	0.000	56.300	47.070	50.220
x		91.777%	0.091	200.000	200.000	0.000	58.490	47.210	46.780
σ		1.681%	0.035	4.009	3.230	0.000	2.244	1.161	3.038
%RSD		1.831	38.840	2.004	1.615	0.000	3.837	2.459	6.495

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:13:56	10.080	9859.000	0.000	67.060	37.220	171.100	91.461%	199.600
2	16:14:39	8.917	10090.000	0.000	59.970	46.130	171.800	94.031%	199.300
3	16:15:22	8.234	10050.000	0.000	59.660	58.160	153.700	96.150%	201.100
x		9.077	10000.000	0.000	62.230	47.170	165.500	93.880%	200.000
σ		0.933	123.400	0.000	4.187	10.510	10.290	2.348%	0.954
%RSD		10.280	1.234	0.000	6.729	22.280	6.213	2.501	0.477

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:13:56	0.221	0.154	0.706	137.400	131.500	0.078	0.364	0.311
2	16:14:39	0.185	0.169	0.689	83.890	64.530	0.113	0.179	0.316
3	16:15:22	0.074	0.152	0.711	74.670	52.570	0.106	0.316	0.253
x		0.160	0.158	0.702	98.660	82.880	0.099	0.287	0.293
σ		0.077	0.009	0.012	33.890	42.570	0.019	0.096	0.035
%RSD		47.820	5.813	1.656	34.350	51.360	19.040	33.530	11.950

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:13:56	0.339	1.181	0.862	0.525	5.025	2.574	0.000	0.196
2	16:14:39	0.294	1.119	0.703	0.131	2.468	-1.329	0.000	0.197
3	16:15:22	0.344	0.911	1.114	0.452	0.921	1.379	0.000	0.191
x		0.326	1.070	0.893	0.369	2.805	0.875	0.000	0.195
σ		0.027	0.141	0.207	0.210	2.073	2.000	0.000	0.003
%RSD		8.324	13.220	23.160	56.810	73.910	228.700	0.000	1.777

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:13:56	90.068%	197.800	198.800	91.302%	0.185	0.150	0.168	-0.248
2	16:14:39	95.029%	201.600	200.000	94.897%	0.147	0.160	0.379	-0.256
3	16:15:22	96.014%	200.600	201.200	96.410%	0.179	0.123	0.235	-0.221
x		93.704%	200.000	200.000	94.203%	0.170	0.144	0.261	-0.242
σ		3.187%	1.945	1.203	2.624%	0.021	0.019	0.108	0.018
%RSD		3.402	0.972	0.601	2.785	12.100	13.270	41.520	7.632

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:13:56	91.648%	199.000	198.700	199.900	0.301	0.682	93.062%	93.325%
2	16:14:39	94.950%	201.500	201.100	198.100	0.169	0.650	96.584%	97.196%
3	16:15:22	96.939%	199.500	200.200	202.000	0.209	0.654	99.152%	99.198%
x		94.512%	200.000	200.000	200.000	0.226	0.662	96.266%	96.573%
σ		2.672%	1.281	1.259	1.919	0.068	0.017	3.057%	2.986%
%RSD		2.828	0.640	0.629	0.960	30.050	2.598	3.176	3.092

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:13:56	0.115	0.115	0.240	0.277	0.256	94.175%
2	16:14:39	0.087	0.092	0.169	0.172	0.161	97.029%
3	16:15:22	0.080	0.092	0.162	0.170	0.150	99.252%
x		0.094	0.100	0.190	0.206	0.189	96.819%
σ		0.018	0.013	0.043	0.061	0.058	2.545%
%RSD		19.510	13.130	22.540	29.650	30.720	2.629

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:18:14	90.584%	78.670	83.290	83.900	0.000	39850.000	39920.000	39640.000
2	16:18:57	92.178%	79.210	80.180	84.280	0.000	39430.000	39690.000	39570.000
3	16:19:40	91.766%	79.400	79.500	80.140	0.000	39120.000	39560.000	39180.000
x		91.509%	98.867%	101.234%	103.467%	0.000	98.668%	99.314%	98.656%
σ		0.828%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.905	0.480	2.495	2.763	0.000	0.936	0.460	0.633

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:18:14	411.400	4337.000	0.000	39750.000	39070.000	38190.000	94.975%	78.290
2	16:18:57	404.900	4338.000	0.000	39840.000	38660.000	38330.000	94.659%	83.870
3	16:19:40	406.700	4309.000	0.000	39800.000	38790.000	38400.000	94.209%	81.840
x		101.913%	108.195%	0.000	99.493%	97.107%	95.767%	94.614%	101.666%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.385%	n/a
%RSD		0.826	0.385	0.000	0.113	0.540	0.280	0.407	3.473

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:18:14	77.710	78.290	391.600	19200.000	19340.000	78.810	79.760	79.450
2	16:18:57	77.290	79.120	393.500	19420.000	19450.000	78.370	79.370	78.650
3	16:19:40	78.020	78.490	391.400	19370.000	19480.000	78.460	78.870	78.770
x		97.094%	98.290%	98.043%	96.662%	97.118%	98.183%	99.166%	98.697%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.475	0.549	0.289	0.591	0.361	0.296	0.566	0.540

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:18:14	79.710	80.230	80.490	78.880	80.200	74.640	0.000	77.600
2	16:18:57	77.100	78.840	81.140	80.600	80.060	78.400	0.000	76.250
3	16:19:40	79.470	79.800	79.280	78.880	80.500	76.380	0.000	78.260
x		98.451%	99.529%	100.376%	99.312%	100.317%	95.591%	0.000	96.711%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.833	0.898	1.177	1.250	0.280	2.458	0.000	1.325

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:18:14	93.692%	81.830	82.060	90.424%	79.070	79.300	79.220	79.570
2	16:18:57	94.389%	80.720	82.610	90.558%	79.470	78.950	77.270	79.620
3	16:19:40	92.664%	82.400	83.580	89.561%	79.900	79.580	79.850	80.860
x		93.582%	102.063%	103.438%	90.181%	99.351%	99.094%	98.476%	100.020%
σ		0.868%	n/a	n/a	0.541%	n/a	n/a	n/a	n/a
%RSD		0.927	1.046	0.927	0.600	0.521	0.398	1.712	0.916

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:18:14	91.095%	82.930	82.950	83.210	80.260	80.730	93.637%	93.740%
2	16:18:57	91.681%	83.770	82.240	81.970	80.600	81.180	94.020%	94.602%
3	16:19:40	90.576%	82.500	82.450	83.450	80.020	81.030	93.417%	94.392%
x		91.117%	103.834%	103.188%	103.594%	100.368%	101.228%	93.692%	94.244%
σ		0.552%	n/a	n/a	n/a	n/a	n/a	0.305%	0.450%
%RSD		0.606	0.782	0.441	0.961	0.364	0.282	0.326	0.477

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:18:14	82.200	82.580	80.220	79.410	79.810	94.229%
2	16:18:57	83.480	84.020	80.490	80.830	80.550	93.678%
3	16:19:40	83.730	84.330	81.620	80.970	81.320	92.638%
x		103.921%	104.552%	100.972%	100.506%	100.698%	93.515%
σ		n/a	n/a	n/a	n/a	n/a	0.808%
%RSD		0.987	1.115	0.923	1.076	0.934	0.864

ICB 10/9/2012 4:24:49 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:25:32	95.864%	-0.015	-0.005	0.510	0.000	-0.206	0.973	0.514
2	16:26:15	94.396%	0.033	0.134	0.557	0.000	2.236	0.467	0.486
3	16:26:57	95.675%	0.009	0.626	0.179	0.000	-0.940	0.118	0.819
x		95.311%	0.009	0.252	0.415	0.000	0.363	0.519	0.607
σ		0.798%	0.024	0.331	0.206	0.000	1.663	0.429	0.185
%RSD		0.838	272.700	131.600	49.570	0.000	457.400	82.660	30.430

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:25:32	-0.907	3.404	0.000	18.880	-4.992	-2.778	95.003%	-0.032
2	16:26:15	-0.779	3.642	0.000	25.420	8.373	-5.994	95.485%	-0.171
3	16:26:57	-0.823	3.539	0.000	25.350	5.018	-2.842	95.457%	-0.102
x		-0.836	3.528	0.000	23.220	2.800	-3.872	95.315%	-0.101
σ		0.065	0.119	0.000	3.754	6.953	1.838	0.271%	0.070
%RSD		7.814	3.375	0.000	16.170	248.300	47.480	0.284	68.660

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:25:32	0.013	0.006	-0.000	39.550	42.640	0.009	-0.118	-0.023
2	16:26:15	0.044	0.046	-0.014	17.930	22.520	0.007	-0.163	-0.059
3	16:26:57	0.041	-0.060	-0.004	10.930	15.400	0.004	-0.114	-0.014
x		0.033	-0.003	-0.006	22.800	26.850	0.007	-0.131	-0.032
σ		0.017	0.054	0.007	14.920	14.130	0.002	0.027	0.024
%RSD		51.310	2097.000	115.900	65.410	52.600	37.610	20.560	74.550

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:25:32	-0.045	-0.248	-0.327	-0.183	2.772	-1.094	0.000	-0.003
2	16:26:15	-0.081	-0.222	-0.198	-0.150	2.214	-0.881	0.000	0.002
3	16:26:57	-0.052	-0.252	-0.246	0.083	1.433	0.519	0.000	-0.007
x		-0.059	-0.240	-0.257	-0.084	2.140	-0.485	0.000	-0.003
σ		0.019	0.016	0.065	0.145	0.672	0.876	0.000	0.005
%RSD		32.240	6.646	25.430	173.800	31.420	180.600	0.000	159.600

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:25:32	94.001%	0.585	0.575	95.667%	0.010	0.006	0.074	0.067
2	16:26:15	95.468%	0.365	0.436	97.152%	0.016	0.011	-0.033	-0.029
3	16:26:57	95.812%	0.346	0.331	96.757%	0.015	0.007	0.063	0.043
x		95.094%	0.432	0.447	96.525%	0.014	0.008	0.034	0.027
σ		0.962%	0.133	0.123	0.769%	0.003	0.003	0.059	0.050
%RSD		1.012	30.770	27.440	0.797	24.930	35.580	170.800	187.100

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:25:32	95.414%	0.205	0.026	0.023	-0.025	-0.053	95.626%	96.625%
2	16:26:15	96.841%	0.046	0.017	0.019	-0.053	-0.027	97.722%	98.258%
3	16:26:57	96.261%	0.015	0.042	0.026	-0.053	-0.022	97.477%	98.148%
x		96.172%	0.089	0.028	0.023	-0.044	-0.034	96.942%	97.677%
σ		0.718%	0.102	0.012	0.004	0.016	0.016	1.146%	0.913%
%RSD		0.746	115.100	43.670	17.450	36.790	48.440	1.182	0.934

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:25:32	-0.016	-0.005	0.064	0.100	0.074	97.806%
2	16:26:15	-0.010	-0.004	0.002	0.036	0.026	98.536%
3	16:26:57	-0.005	-0.003	0.001	0.007	0.002	98.247%
x		-0.010	-0.004	0.022	0.047	0.034	98.196%
σ		0.005	0.001	0.036	0.048	0.037	0.367%
%RSD		53.450	31.060	163.300	100.800	107.200	0.374

CRI 571908 10/9/2012 4:37:45 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:38:27	98.117%	0.838	4.521	5.673	0.000	107.600	95.630	95.410
2	16:39:10	98.148%	0.768	5.747	5.563	0.000	110.800	96.510	93.900
3	16:39:53	98.065%	0.769	4.521	5.239	0.000	113.700	95.200	96.700
x		98.110%	79.167%	98.593%	109.834%	0.000	110.709%	95.780%	95.337%
σ		0.042%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.043	5.049	14.360	4.104	0.000	2.740	0.697	1.472

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:38:27	28.290	477.500	0.000	121.600	89.980	96.820	97.346%	4.706
2	16:39:10	27.620	477.400	0.000	118.600	103.000	107.300	97.402%	3.856
3	16:39:53	29.190	481.600	0.000	117.700	92.810	111.700	97.792%	4.110
x		94.558%	95.768%	0.000	119.275%	95.280%	105.265%	97.513%	84.479%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.243%	n/a
%RSD		2.779	0.503	0.000	1.699	7.210	7.259	0.249	10.330

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:38:27	0.801	1.840	4.746	66.600	64.060	0.430	0.790	2.283
2	16:39:10	1.068	1.887	4.825	60.040	59.980	0.498	0.871	2.244
3	16:39:53	0.932	1.859	4.878	59.720	57.360	0.483	0.921	2.145
x		93.339%	93.099%	963.285%	124.245%	120.933%	94.076%	86.051%	111.190%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		14.300	1.266	1.377	6.250	5.588	7.558	7.638	3.208

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:38:27	2.325	5.979	6.372	0.529	6.505	3.075	0.000	4.541
2	16:39:10	1.989	6.495	6.633	0.900	6.740	4.265	0.000	4.794
3	16:39:53	2.168	6.542	6.610	0.937	7.040	5.365	0.000	4.638
x		108.023%	126.773%	130.770%	78.882%	135.235%	84.697%	0.000	93.151%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		7.766	4.931	2.207	28.590	3.964	27.040	0.000	2.742

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:38:27	93.406%	4.498	4.027	94.436%	0.961	0.934	0.925	0.872
2	16:39:10	93.870%	4.291	4.387	94.796%	0.954	1.017	0.972	1.039
3	16:39:53	93.956%	4.395	4.066	94.978%	0.988	0.923	0.724	0.885
x		93.744%	87.898%	83.192%	94.736%	96.787%	95.789%	87.349%	93.192%
σ		0.296%	n/a	n/a	0.276%	n/a	n/a	n/a	n/a
%RSD		0.316	2.350	4.750	0.291	1.858	5.385	15.040	9.946

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:38:27	94.212%	5.030	1.805	1.774	9.292	9.710	95.448%	96.280%
2	16:39:10	95.881%	4.760	1.622	1.785	9.154	9.813	95.937%	96.539%
3	16:39:53	95.346%	5.691	1.825	1.836	9.463	9.568	95.449%	96.770%
x		95.147%	103.208%	87.535%	89.926%	93.031%	96.969%	95.611%	96.530%
σ		0.852%	n/a	n/a	n/a	n/a	n/a	0.282%	0.245%
%RSD		0.896	9.277	6.375	1.830	1.664	1.269	0.295	0.254

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:38:27	1.010	0.952	0.946	1.049	1.016	97.128%
2	16:39:10	0.961	0.948	0.917	1.019	0.961	96.602%
3	16:39:53	0.954	0.934	1.051	0.977	1.009	96.451%
x		97.493%	94.479%	97.129%	101.498%	99.545%	96.727%
σ		n/a	n/a	n/a	n/a	n/a	0.356%
%RSD		3.146	1.000	7.244	3.562	3.043	0.368

ICSA 576788 10/9/2012 4:42:04 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:42:47	80.587%	0.013	1.939	1.811	0.000	105000.000	112200.000	115200.000
2	16:43:30	81.557%	-0.015	1.463	1.131	0.000	101600.000	112700.000	117100.000
3	16:44:13	80.668%	0.013	0.301	1.151	0.000	101200.000	113900.000	118800.000
x		80.937%	0.004	1.234	1.364	0.000	102600.000	112900.000	117000.000
σ		0.538%	0.016	0.843	0.387	0.000	2112.000	849.300	1783.000
%RSD		0.665	454.000	68.280	28.380	0.000	2.059	0.752	1.524

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:42:47	115200.000	33.260	0.000	106500.000	107100.000	109300.000	85.094%	2377.000
2	16:43:30	117400.000	32.340	0.000	105800.000	107200.000	110200.000	86.817%	2382.000
3	16:44:13	119100.000	33.240	0.000	106100.000	107000.000	110600.000	86.678%	2390.000
x		117300.000	32.950	0.000	106100.000	107100.000	110000.000	86.197%	2383.000
σ		1944.000	0.524	0.000	342.600	131.300	684.700	0.957%	6.520
%RSD		1.658	1.591	0.000	0.323	0.123	0.622	1.111	0.274

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:42:47	-0.107	0.253	0.943	109300.000	108800.000	0.200	0.577	0.783
2	16:43:30	-0.031	0.463	1.029	109600.000	108700.000	0.141	0.586	0.836
3	16:44:13	0.108	0.344	0.994	110400.000	109400.000	0.180	0.355	0.726
x		-0.010	0.353	0.988	109800.000	109000.000	0.173	0.506	0.782
σ		0.109	0.106	0.043	593.400	371.800	0.030	0.131	0.055
%RSD		1101.000	29.870	4.397	0.541	0.341	17.170	25.840	7.038

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:42:47	2.048	3.813	2.595	-0.326	1.990	-2.610	0.000	0.579
2	16:43:30	1.822	3.873	2.643	0.047	-0.934	-3.197	0.000	0.598
3	16:44:13	2.047	3.995	2.587	-0.136	-1.135	-3.439	0.000	0.489
x		1.972	3.894	2.608	-0.138	-0.026	-3.082	0.000	0.555
σ		0.130	0.093	0.030	0.186	1.749	0.426	0.000	0.058
%RSD		6.589	2.376	1.169	134.800	6689.000	13.840	0.000	10.420

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:42:47	87.480%	2183.000	2206.000	82.721%	0.157	0.197	0.962	0.892
2	16:43:30	90.351%	2190.000	2205.000	84.081%	0.171	0.176	1.326	1.038
3	16:44:13	89.983%	2212.000	2237.000	84.506%	0.173	0.141	1.042	0.915
x		89.271%	2195.000	2216.000	83.770%	0.167	0.171	1.110	0.948
σ		1.562%	14.910	18.380	0.932%	0.009	0.029	0.192	0.079
%RSD		1.750	0.679	0.829	1.113	5.454	16.710	17.270	8.317

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:42:47	86.288%	0.434	0.345	0.295	0.254	0.276	93.387%	93.820%
2	16:43:30	89.545%	0.264	0.349	0.374	0.339	0.345	96.364%	97.566%
3	16:44:13	90.038%	0.150	0.381	0.374	0.270	0.327	96.744%	98.457%
x		88.623%	0.282	0.358	0.347	0.288	0.316	95.498%	96.615%
σ		2.038%	0.143	0.019	0.045	0.045	0.036	1.838%	2.461%
%RSD		2.299	50.570	5.410	12.960	15.680	11.390	1.925	2.547

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:42:47	0.110	0.116	0.312	0.355	0.321	93.761%
2	16:43:30	0.101	0.089	0.286	0.315	0.280	94.696%
3	16:44:13	0.069	0.088	0.285	0.262	0.269	94.349%
x		0.093	0.098	0.294	0.311	0.290	94.268%
σ		0.021	0.016	0.015	0.047	0.028	0.473%
%RSD		22.680	16.220	5.107	15.020	9.505	0.501

ICSAB 576789 10/9/2012 4:46:25 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:47:07	78.532%	21.110	51.110	53.340	0.000	99510.000	114100.000	120000.000
2	16:47:50	81.599%	17.430	48.100	53.170	0.000	96690.000	111100.000	117800.000
3	16:48:33	79.250%	19.770	47.040	55.820	0.000	98550.000	114200.000	120100.000
x		79.794%	97.191%	97.495%	108.222%	0.000	98.249%	113.127%	119.306%
σ		1.605%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		2.011	9.579	4.331	2.744	0.000	1.457	1.564	1.081

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:47:07	119700.000	607.300	0.000	103800.000	104500.000	109700.000	85.958%	2364.000
2	16:47:50	117700.000	595.600	0.000	102500.000	105100.000	109800.000	87.118%	2345.000
3	16:48:33	119800.000	610.700	0.000	103200.000	104800.000	110200.000	86.420%	2356.000
x		119.041%	120.900%	0.000	103.142%	104.792%	109.863%	86.499%	117.751%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.584%	n/a
%RSD		0.985	1.312	0.000	0.647	0.313	0.237	0.676	0.389

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:47:07	21.520	22.140	23.300	109100.000	108400.000	20.360	20.090	20.060
2	16:47:50	20.770	21.260	22.980	108400.000	107600.000	20.180	19.310	19.650
3	16:48:33	21.070	22.290	23.130	108900.000	107700.000	19.990	19.710	19.800
x		105.613%	109.486%	100.599%	108.804%	107.876%	100.884%	98.505%	99.185%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.782	2.534	0.699	0.350	0.410	0.914	1.983	1.053

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:47:07	21.060	24.800	22.470	21.440	50.860	54.220	0.000	21.570
2	16:47:50	20.090	24.620	22.950	21.540	49.630	52.660	0.000	21.520
3	16:48:33	20.680	24.520	24.100	22.190	49.430	53.900	0.000	21.940
x		103.043%	98.594%	92.695%	108.621%	99.949%	107.189%	0.000	108.374%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		2.363	0.566	3.620	1.875	1.551	1.542	0.000	1.049

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:47:07	90.923%	2165.000	2194.000	84.340%	21.460	20.740	22.290	21.590
2	16:47:50	92.561%	2170.000	2208.000	84.297%	21.660	21.240	22.280	22.060
3	16:48:33	91.595%	2183.000	2214.000	84.103%	21.570	21.100	22.780	21.690
x		91.693%	108.640%	110.281%	84.247%	107.818%	105.130%	112.246%	108.906%
σ		0.823%	n/a	n/a	0.126%	n/a	n/a	n/a	n/a
%RSD		0.898	0.434	0.469	0.150	0.479	1.230	1.268	1.129

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:47:07	90.399%	109.600	22.660	22.760	22.280	20.710	97.915%	98.650%
2	16:47:50	90.759%	110.500	22.460	22.630	21.360	21.330	99.221%	99.762%
3	16:48:33	90.708%	110.700	22.380	22.880	22.700	22.100	98.982%	98.979%
x		90.622%	110.282%	112.490%	113.785%	110.556%	106.904%	98.706%	99.130%
σ		0.195%	n/a	n/a	n/a	n/a	n/a	0.695%	0.571%
%RSD		0.215	0.521	0.638	0.541	3.102	3.257	0.704	0.576

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:47:07	21.330	21.480	21.900	22.050	22.010	94.753%
2	16:47:50	21.730	22.080	22.280	22.500	22.300	94.849%
3	16:48:33	21.490	22.360	22.090	22.480	22.350	94.296%
x		107.599%	109.856%	110.454%	111.722%	111.096%	94.633%
σ		n/a	n/a	n/a	n/a	n/a	0.295%
%RSD		0.934	2.047	0.861	1.127	0.827	0.312

CCV 586960 10/9/2012 4:54:23 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:55:06	87.480%	93.070	96.800	99.610	0.000	47830.000	51830.000	53300.000
2	16:55:49	89.018%	92.690	90.970	96.390	0.000	47240.000	51650.000	52870.000
3	16:56:32	87.821%	96.150	97.460	98.700	0.000	47660.000	51890.000	53150.000
x		88.107%	93.971%	95.078%	98.235%	0.000	95.156%	103.583%	106.216%
σ		0.808%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.917	2.019	3.756	1.690	0.000	0.631	0.240	0.408

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:55:06	535.300	5197.000	0.000	49360.000	48610.000	48140.000	96.050%	102.600
2	16:55:49	532.900	5144.000	0.000	49090.000	48990.000	47910.000	96.099%	100.600
3	16:56:32	540.300	5176.000	0.000	49170.000	49010.000	48160.000	95.556%	97.680
x		107.236%	103.444%	0.000	98.411%	97.742%	96.139%	95.901%	100.305%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.300%	n/a
%RSD		0.708	0.519	0.000	0.276	0.459	0.290	0.313	2.485

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:55:06	97.150	97.580	501.900	25000.000	24600.000	95.230	95.270	93.660
2	16:55:49	98.370	98.650	502.900	25010.000	24680.000	95.210	92.210	93.180
3	16:56:32	97.780	97.790	502.500	24990.000	24660.000	95.190	93.610	93.700
x		97.766%	98.005%	100.492%	100.003%	98.586%	95.207%	93.695%	93.514%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.624	0.577	0.101	0.027	0.153	0.022	1.637	0.312

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:55:06	93.130	96.800	96.560	93.910	95.750	94.740	0.000	98.240
2	16:55:49	93.640	97.430	97.460	94.830	95.070	96.190	0.000	97.460
3	16:56:32	94.380	94.980	94.760	93.150	97.620	97.500	0.000	98.320
x		93.717%	96.403%	96.259%	93.963%	96.149%	96.145%	0.000	98.006%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.673	1.321	1.430	0.899	1.376	1.435	0.000	0.487

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:55:06	97.966%	103.300	102.100	95.275%	96.410	96.120	97.760	95.400
2	16:55:49	97.992%	103.100	104.300	95.093%	96.700	96.530	98.450	97.610
3	16:56:32	97.848%	105.600	105.200	94.755%	97.120	97.250	96.510	96.150
x		97.935%	103.985%	103.875%	95.041%	96.740%	96.633%	97.572%	96.384%
σ		0.077%	n/a	n/a	0.264%	n/a	n/a	n/a	n/a
%RSD		0.078	1.311	1.533	0.278	0.369	0.588	1.009	1.166

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:55:06	99.424%	96.270	98.620	97.470	96.600	97.190	102.891%	102.918%
2	16:55:49	98.488%	97.820	99.290	98.160	96.490	97.030	103.427%	104.138%
3	16:56:32	98.408%	99.130	100.000	100.000	98.140	96.910	102.969%	103.703%
x		98.773%	97.743%	99.311%	98.546%	97.075%	97.041%	103.096%	103.586%
σ		0.565%	n/a	n/a	n/a	n/a	n/a	0.290%	0.618%
%RSD		0.572	1.465	0.708	1.332	0.949	0.145	0.281	0.597

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:55:06	98.980	99.440	97.890	98.860	98.480	101.270%
2	16:55:49	99.630	100.700	100.300	100.900	100.500	100.250%
3	16:56:32	99.700	100.700	100.400	100.500	100.300	99.722%
x		99.439%	100.289%	99.531%	100.068%	99.761%	100.414%
σ		n/a	n/a	n/a	n/a	n/a	0.787%
%RSD		0.397	0.737	1.429	1.062	1.120	0.784

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:02:22	102.460%	-0.015	0.407	0.235	0.000	20.370	1.087	0.644
2	17:03:05	100.140%	-0.015	0.312	0.257	0.000	27.320	0.302	0.779
3	17:03:48	101.773%	0.007	-0.413	0.006	0.000	25.370	1.153	0.697
x		101.458%	-0.008	0.102	0.166	0.000	24.350	0.847	0.706
σ		1.192%	0.013	0.449	0.139	0.000	3.586	0.473	0.068
%RSD		1.175	166.700	440.400	83.910	0.000	14.720	55.900	9.586

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:02:22	2.579	-1.180	0.000	29.670	13.040	-0.199	103.289%	-0.051
2	17:03:05	1.769	-1.003	0.000	26.810	-5.589	-5.379	104.561%	-0.180
3	17:03:48	1.277	-1.555	0.000	23.690	3.451	-3.773	105.531%	0.038
x		1.875	-1.246	0.000	26.730	3.634	-3.117	104.460%	-0.064
σ		0.657	0.282	0.000	2.991	9.317	2.652	1.125%	0.110
%RSD		35.060	22.610	0.000	11.190	256.400	85.060	1.077	171.100

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:02:22	0.003	0.012	0.002	35.220	34.860	0.004	-0.200	-0.086
2	17:03:05	0.008	0.024	0.003	16.760	15.600	-0.005	-0.090	-0.109
3	17:03:48	0.021	0.007	-0.000	10.760	12.240	-0.004	-0.202	-0.061
x		0.011	0.015	0.002	20.910	20.900	-0.001	-0.164	-0.085
σ		0.010	0.009	0.002	12.750	12.210	0.005	0.064	0.024
%RSD		88.820	62.550	113.500	60.940	58.400	326.200	38.950	28.250

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:02:22	-0.006	-0.250	-0.352	-0.778	2.582	-3.280	0.000	0.004
2	17:03:05	0.034	-0.269	-0.312	-0.340	0.967	-1.770	0.000	-0.001
3	17:03:48	-0.005	-0.211	-0.336	-0.281	0.393	-1.391	0.000	-0.002
x		0.007	-0.243	-0.333	-0.466	1.314	-2.147	0.000	0.000
σ		0.023	0.030	0.020	0.272	1.135	1.000	0.000	0.004
%RSD		305.900	12.160	6.018	58.270	86.360	46.550	0.000	1087.000

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:02:22	99.018%	1.408	1.612	98.483%	0.006	0.005	-0.024	-0.011
2	17:03:05	101.044%	1.272	1.213	99.652%	0.005	0.008	-0.006	-0.005
3	17:03:48	101.386%	1.065	1.131	100.395%	0.015	0.010	0.095	0.045
x		100.482%	1.248	1.319	99.510%	0.009	0.008	0.022	0.010
σ		1.280%	0.173	0.257	0.964%	0.006	0.003	0.064	0.030
%RSD		1.274	13.850	19.490	0.968	63.930	33.650	295.000	316.900

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:02:22	100.547%	0.034	0.054	0.028	0.008	-0.028	101.980%	103.134%
2	17:03:05	102.052%	-0.074	0.029	0.030	-0.044	-0.034	104.971%	105.066%
3	17:03:48	102.035%	-0.103	0.020	0.056	-0.027	-0.024	105.875%	104.941%
x		101.544%	-0.048	0.034	0.038	-0.021	-0.029	104.275%	104.380%
σ		0.864%	0.072	0.018	0.015	0.027	0.005	2.039%	1.082%
%RSD		0.851	151.400	51.080	40.320	127.400	16.470	1.955	1.036

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:02:22	0.001	0.002	0.074	0.085	0.075	102.728%
2	17:03:05	-0.008	0.003	0.015	0.032	0.018	104.816%
3	17:03:48	-0.004	0.002	-0.010	0.017	0.004	104.851%
x		-0.003	0.002	0.026	0.045	0.032	104.132%
σ		0.005	0.001	0.043	0.036	0.038	1.216%
%RSD		135.900	22.250	164.000	79.950	116.800	1.167

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:06:41	107.815%	-0.015	0.003	0.123	0.000	36.640	4.470	3.875
2	17:07:24	108.307%	0.027	1.106	0.095	0.000	39.360	5.049	5.683
3	17:08:07	108.661%	0.006	-0.334	-0.223	0.000	45.550	5.130	5.195
x		108.261%	0.006	0.258	-0.002	0.000	40.520	4.883	4.918
σ		0.425%	0.021	0.753	0.192	0.000	4.566	0.360	0.935
%RSD		0.392	363.800	291.300	11320.000	0.000	11.270	7.372	19.010

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:06:41	5.771	-3.086	0.000	104.600	5.050	3.257	114.717%	-0.042
2	17:07:24	5.706	-2.136	0.000	99.400	5.083	3.651	114.449%	-0.012
3	17:08:07	4.409	-2.151	0.000	88.380	5.185	4.487	113.699%	-0.011
x		5.295	-2.458	0.000	97.460	5.106	3.798	114.288%	-0.022
σ		0.768	0.544	0.000	8.279	0.070	0.628	0.528%	0.018
%RSD		14.510	22.140	0.000	8.495	1.377	16.530	0.462	81.560

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:06:41	0.454	0.200	0.055	19.020	15.570	0.000	-0.232	-0.022
2	17:07:24	0.249	0.219	0.069	11.610	3.944	-0.005	-0.127	-0.055
3	17:08:07	0.033	0.159	0.036	7.452	-0.026	0.001	-0.045	0.011
x		0.245	0.193	0.054	12.690	6.496	-0.001	-0.135	-0.022
σ		0.211	0.031	0.017	5.860	8.105	0.003	0.094	0.033
%RSD		85.850	15.820	31.570	46.160	124.800	233.100	69.670	151.900

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:06:41	-0.046	-0.076	-0.104	-0.692	-0.495	-1.453	0.000	0.012
2	17:07:24	0.014	0.048	-0.042	-0.671	-1.273	-0.282	0.000	0.022
3	17:08:07	0.042	-0.052	0.025	0.013	-0.780	0.476	0.000	0.024
x		0.003	-0.027	-0.040	-0.450	-0.850	-0.420	0.000	0.019
σ		0.045	0.066	0.064	0.401	0.394	0.972	0.000	0.007
%RSD		1412.000	244.600	160.100	89.170	46.330	231.600	0.000	34.090

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:06:41	90.669%	1.461	1.479	93.670%	0.028	0.031	0.039	0.021
2	17:07:24	90.500%	1.270	1.285	93.898%	0.014	0.032	0.025	0.004
3	17:08:07	90.429%	1.212	1.316	93.037%	0.016	0.016	-0.006	-0.014
x		90.533%	1.314	1.360	93.535%	0.020	0.026	0.019	0.004
σ		0.123%	0.130	0.105	0.446%	0.008	0.009	0.023	0.017
%RSD		0.136	9.925	7.698	0.477	39.470	33.220	118.700	486.100

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:06:41	95.183%	0.259	0.069	0.075	-0.035	-0.027	99.046%	99.213%
2	17:07:24	95.742%	0.197	0.079	0.072	-0.026	-0.017	99.476%	99.747%
3	17:08:07	95.073%	0.123	0.039	0.036	-0.007	-0.032	99.054%	99.254%
x		95.333%	0.193	0.062	0.061	-0.022	-0.026	99.192%	99.405%
σ		0.358%	0.068	0.021	0.022	0.014	0.008	0.246%	0.297%
%RSD		0.376	35.370	33.340	35.100	62.180	30.230	0.248	0.299

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:06:41	0.076	0.076	0.168	0.143	0.159	100.712%
2	17:07:24	0.041	0.059	0.107	0.103	0.103	98.441%
3	17:08:07	0.037	0.040	0.055	0.063	0.064	96.580%
x		0.052	0.058	0.110	0.103	0.108	98.578%
σ		0.022	0.018	0.056	0.040	0.048	2.070%
%RSD		41.920	30.410	51.380	39.000	44.090	2.100

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:57	111.249%	43.070	945.700	1009.000	0.000	44310.000	52320.000	54780.000
2	17:11:40	117.164%	44.610	943.100	998.700	0.000	43450.000	52230.000	54840.000
3	17:12:23	119.614%	44.470	934.800	1015.000	0.000	43090.000	52330.000	55100.000
x		116.009%	44.050	941.200	1008.000	0.000	43610.000	52300.000	54910.000
σ		4.300%	0.851	5.716	8.118	0.000	626.300	55.850	170.800
%RSD		3.707	1.932	0.607	0.806	0.000	1.436	0.107	0.311

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:57	2135.000	9754.000	0.000	47750.000	48810.000	49620.000	95.596%	1034.000
2	17:11:40	2133.000	9638.000	0.000	46870.000	48470.000	49290.000	99.631%	1018.000
3	17:12:23	2134.000	9676.000	0.000	46370.000	48390.000	49270.000	101.560%	1011.000
x		2134.000	9689.000	0.000	47000.000	48550.000	49390.000	98.929%	1021.000
σ		0.983	59.410	0.000	697.100	225.000	196.800	3.043%	11.730
%RSD		0.046	0.613	0.000	1.483	0.463	0.398	3.076	1.149

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:57	523.700	214.500	530.600	1098.000	1249.000	490.900	478.800	246.400
2	17:11:40	513.400	213.200	532.400	1086.000	1218.000	475.500	472.900	241.700
3	17:12:23	510.100	214.400	531.300	1078.000	1213.000	477.800	466.900	240.800
x		515.700	214.000	531.400	1087.000	1226.000	481.400	472.900	242.900
σ		7.089	0.741	0.895	10.260	19.520	8.306	5.943	3.003
%RSD		1.375	0.346	0.168	0.944	1.592	1.725	1.257	1.236

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:57	244.600	498.200	491.700	38.860	11.630	10.270	0.000	1063.000
2	17:11:40	240.500	487.800	479.800	39.660	8.798	10.590	0.000	1063.000
3	17:12:23	239.700	490.300	481.300	39.850	8.669	11.330	0.000	1065.000
x		241.600	492.100	484.300	39.460	9.698	10.730	0.000	1064.000
σ		2.641	5.435	6.498	0.526	1.672	0.543	0.000	0.978
%RSD		1.093	1.104	1.342	1.333	17.240	5.064	0.000	0.092

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:57	86.783%	1071.000	1064.000	88.067%	46.930	46.390	50.860	44.740
2	17:11:40	89.546%	1080.000	1070.000	90.604%	47.020	46.490	50.410	46.050
3	17:12:23	90.883%	1081.000	1069.000	91.725%	46.540	46.900	49.840	45.370
x		89.071%	1078.000	1068.000	90.132%	46.830	46.590	50.370	45.390
σ		2.091%	5.435	2.999	1.874%	0.255	0.272	0.511	0.657
%RSD		2.348	0.504	0.281	2.079	0.543	0.584	1.014	1.448

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:57	90.350%	1995.000	510.500	515.800	1951.000	1976.000	96.384%	97.152%
2	17:11:40	93.493%	1980.000	511.900	516.900	1934.000	1973.000	100.404%	101.030%
3	17:12:23	94.713%	1985.000	510.800	515.100	1948.000	1975.000	100.774%	101.809%
x		92.852%	1987.000	511.100	515.900	1944.000	1975.000	99.187%	99.997%
σ		2.251%	7.864	0.696	0.894	9.136	1.535	2.435%	2.494%
%RSD		2.424	0.396	0.136	0.173	0.470	0.078	2.455	2.495

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:57	51.230	51.690	21.070	21.130	21.090	91.074%
2	17:11:40	51.080	51.860	20.950	21.390	21.200	94.016%
3	17:12:23	51.550	51.900	20.880	20.960	21.030	95.402%
x		51.290	51.820	20.970	21.160	21.110	93.497%
σ		0.237	0.114	0.096	0.217	0.085	2.210%
%RSD		0.462	0.220	0.456	1.025	0.404	2.364

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:18:53	111.035%	0.150	121.200	133.000	0.000	8119.000	16840.000	17590.000
2	17:19:36	113.039%	0.046	126.200	132.900	0.000	8082.000	16940.000	17690.000
3	17:20:19	115.436%	0.005	119.500	130.200	0.000	8015.000	16870.000	17660.000
x		113.170%	0.067	122.300	132.000	0.000	8072.000	16880.000	17650.000
σ		2.203%	0.075	3.478	1.617	0.000	52.480	53.410	54.670
%RSD		1.947	111.900	2.844	1.225	0.000	0.650	0.316	0.310

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:18:53	6.015	5086.000	0.000	2284.000	45020.000	46640.000	92.017%	8.211
2	17:19:36	5.518	5087.000	0.000	2246.000	45200.000	46810.000	93.878%	7.376
3	17:20:19	4.807	5079.000	0.000	2210.000	45990.000	46720.000	94.525%	11.080
x		5.447	5084.000	0.000	2246.000	45400.000	46720.000	93.473%	8.890
σ		0.607	4.445	0.000	36.940	519.500	87.420	1.302%	1.945
%RSD		11.140	0.087	0.000	1.644	1.144	0.187	1.393	21.880

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:18:53	3.741	5.454	1857.000	14280.000	14020.000	0.194	1.005	2.300
2	17:19:36	1.419	5.069	1887.000	14350.000	14060.000	0.203	1.192	2.533
3	17:20:19	0.964	4.945	1882.000	14360.000	14070.000	0.188	0.979	2.384
x		2.041	5.156	1875.000	14330.000	14050.000	0.195	1.058	2.406
σ		1.489	0.265	16.440	43.500	29.710	0.007	0.116	0.118
%RSD		72.950	5.139	0.876	0.303	0.211	3.758	10.970	4.897

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:18:53	2.308	3.312	3.709	2.904	-2.519	-2.206	0.000	112.400
2	17:19:36	2.407	3.793	3.838	3.609	-3.170	-3.187	0.000	113.000
3	17:20:19	2.338	3.715	3.225	4.667	-3.826	-1.396	0.000	112.600
x		2.351	3.607	3.591	3.726	-3.172	-2.263	0.000	112.700
σ		0.051	0.258	0.323	0.887	0.653	0.897	0.000	0.321
%RSD		2.169	7.150	8.993	23.810	20.600	39.640	0.000	0.285

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:18:53	90.464%	3.054	3.220	84.824%	0.047	0.039	0.034	0.045
2	17:19:36	92.219%	2.185	2.428	86.153%	0.056	0.035	-0.088	-0.064
3	17:20:19	93.679%	1.759	1.758	87.636%	0.055	0.034	-0.076	-0.093
x		92.121%	2.333	2.468	86.205%	0.053	0.036	-0.043	-0.037
σ		1.610%	0.660	0.732	1.407%	0.005	0.002	0.067	0.073
%RSD		1.747	28.310	29.650	1.632	10.130	6.859	154.500	196.100

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:18:53	87.615%	7.432	1.661	1.578	95.030	96.910	93.626%	94.972%
2	17:19:36	88.440%	5.886	1.356	1.263	96.110	97.160	96.565%	97.078%
3	17:20:19	90.820%	4.541	1.453	1.396	96.620	96.450	97.280%	98.263%
x		88.959%	5.953	1.490	1.412	95.920	96.840	95.824%	96.771%
σ		1.664%	1.447	0.156	0.158	0.815	0.359	1.937%	1.667%
%RSD		1.871	24.300	10.480	11.180	0.849	0.371	2.021	1.722

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:18:53	0.153	0.195	1.845	1.897	1.866	89.383%
2	17:19:36	0.118	0.155	1.792	1.769	1.786	91.182%
3	17:20:19	0.101	0.116	1.843	1.882	1.852	91.144%
x		0.124	0.155	1.826	1.849	1.835	90.570%
σ		0.026	0.039	0.030	0.070	0.043	1.028%
%RSD		21.080	25.410	1.659	3.794	2.344	1.135

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:10	111.779%	0.026	59.370	58.020	0.000	12650.000	7991.000	8360.000
2	17:23:53	115.292%	0.045	52.590	58.090	0.000	12560.000	7994.000	8382.000
3	17:24:36	118.774%	0.024	52.360	57.090	0.000	12430.000	8004.000	8350.000
x		115.281%	0.031	54.770	57.730	0.000	12550.000	7996.000	8364.000
σ		3.498%	0.012	3.984	0.561	0.000	109.000	6.864	16.510
%RSD		3.034	36.670	7.274	0.972	0.000	0.869	0.086	0.197

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:10	15.560	7911.000	0.000	962.900	36180.000	37940.000	94.747%	12.970
2	17:23:53	14.360	7887.000	0.000	942.900	36650.000	37900.000	96.884%	13.190
3	17:24:36	13.780	7832.000	0.000	936.400	36220.000	37560.000	98.336%	13.260
x		14.570	7877.000	0.000	947.400	36350.000	37800.000	96.655%	13.140
σ		0.907	40.220	0.000	13.840	260.200	211.300	1.805%	0.149
%RSD		6.225	0.511	0.000	1.461	0.716	0.559	1.868	1.137

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:10	2.910	5.672	2042.000	21310.000	20660.000	0.689	1.841	2.574
2	17:23:53	3.424	5.421	2042.000	21280.000	20640.000	0.740	1.727	2.904
3	17:24:36	3.142	5.526	2033.000	21140.000	20490.000	0.728	1.523	2.751
x		3.159	5.540	2039.000	21240.000	20600.000	0.719	1.697	2.743
σ		0.258	0.126	5.313	91.410	95.750	0.027	0.161	0.165
%RSD		8.152	2.267	0.261	0.430	0.465	3.741	9.493	6.016

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:10	2.482	3.784	3.153	8.255	-4.679	-3.401	0.000	118.500
2	17:23:53	2.748	3.600	3.361	9.081	-4.622	-3.692	0.000	119.300
3	17:24:36	2.585	3.423	3.942	6.322	-5.436	-0.991	0.000	119.100
x		2.605	3.602	3.485	7.886	-4.912	-2.694	0.000	119.000
σ		0.135	0.180	0.409	1.416	0.455	1.483	0.000	0.388
%RSD		5.168	5.008	11.740	17.950	9.257	55.030	0.000	0.326

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:10	93.660%	1.318	1.438	87.663%	0.034	0.034	-0.165	-0.110
2	17:23:53	95.810%	1.216	1.330	89.551%	0.024	0.039	-0.074	-0.087
3	17:24:36	97.382%	1.131	1.231	90.687%	0.028	0.028	-0.058	-0.029
x		95.617%	1.222	1.333	89.300%	0.029	0.034	-0.099	-0.075
σ		1.868%	0.094	0.103	1.527%	0.005	0.005	0.058	0.041
%RSD		1.954	7.662	7.760	1.710	16.890	16.140	58.610	55.090

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:10	92.170%	3.828	1.299	1.365	83.800	85.250	98.143%	98.522%
2	17:23:53	93.460%	3.735	1.360	1.333	84.080	84.970	100.491%	101.251%
3	17:24:36	94.636%	3.553	1.222	1.343	83.900	85.650	101.985%	103.097%
x		93.422%	3.705	1.294	1.347	83.930	85.290	100.206%	100.957%
σ		1.234%	0.140	0.069	0.016	0.145	0.344	1.937%	2.302%
%RSD		1.321	3.771	5.360	1.189	0.173	0.403	1.933	2.280

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:10	0.079	0.086	1.770	1.910	1.790	93.910%
2	17:23:53	0.051	0.077	1.803	1.803	1.804	96.011%
3	17:24:36	0.052	0.064	1.748	1.832	1.793	97.312%
x		0.061	0.076	1.774	1.848	1.796	95.744%
σ		0.016	0.011	0.028	0.055	0.007	1.717%
%RSD		26.510	14.620	1.575	2.987	0.387	1.793

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:27:27	113.900%	0.025	41.690	45.790	0.000	7927.000	8157.000	8529.000
2	17:28:10	116.416%	0.005	42.810	45.900	0.000	7790.000	8127.000	8512.000
3	17:28:53	118.456%	0.024	43.080	45.630	0.000	7760.000	8084.000	8457.000
x		116.257%	0.018	42.530	45.770	0.000	7826.000	8122.000	8500.000
σ		2.282%	0.011	0.740	0.136	0.000	89.350	36.860	37.840
%RSD		1.963	64.170	1.739	0.297	0.000	1.142	0.454	0.445

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:27:27	3.595	7720.000	0.000	779.300	38070.000	38590.000	95.987%	9.744
2	17:28:10	3.779	7675.000	0.000	770.900	37430.000	38520.000	97.387%	9.904
3	17:28:53	3.275	7647.000	0.000	766.300	37060.000	38420.000	97.390%	10.750
x		3.550	7681.000	0.000	772.200	37520.000	38510.000	96.921%	10.130
σ		0.255	37.260	0.000	6.586	512.400	85.260	0.809%	0.541
%RSD		7.188	0.485	0.000	0.853	1.366	0.221	0.835	5.342

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:27:27	2.505	4.364	1258.000	15090.000	14620.000	0.358	1.121	0.887
2	17:28:10	3.191	4.172	1291.000	14980.000	14540.000	0.309	0.977	1.009
3	17:28:53	0.519	4.271	1257.000	15100.000	14580.000	0.332	1.109	0.961
x		2.072	4.269	1269.000	15060.000	14580.000	0.333	1.069	0.952
σ		1.388	0.096	19.100	66.320	39.600	0.025	0.080	0.061
%RSD		66.980	2.254	1.506	0.440	0.272	7.407	7.484	6.440

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:27:27	0.803	10.150	9.731	9.732	-4.522	0.095	0.000	81.090
2	17:28:10	0.948	10.340	10.310	7.276	-4.680	-2.541	0.000	81.640
3	17:28:53	0.939	10.430	9.315	7.536	-4.868	-3.307	0.000	82.120
x		0.896	10.300	9.785	8.181	-4.690	-1.917	0.000	81.620
σ		0.081	0.146	0.500	1.349	0.173	1.784	0.000	0.520
%RSD		9.042	1.413	5.107	16.490	3.692	93.060	0.000	0.637

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:27:27	95.115%	1.176	1.358	88.926%	0.005	0.031	-0.071	-0.055
2	17:28:10	96.554%	1.292	1.303	89.635%	0.021	0.012	-0.139	-0.117
3	17:28:53	96.136%	1.173	1.174	89.950%	0.022	0.014	-0.068	-0.052
x		95.935%	1.214	1.278	89.504%	0.016	0.019	-0.093	-0.075
σ		0.740%	0.068	0.095	0.525%	0.009	0.010	0.040	0.037
%RSD		0.772	5.602	7.395	0.586	57.930	54.490	43.580	49.060

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:27:27	92.362%	3.285	0.841	0.843	54.350	54.610	100.241%	100.541%
2	17:28:10	94.645%	3.098	0.844	0.755	54.750	55.060	101.312%	101.614%
3	17:28:53	95.110%	2.900	0.723	0.826	53.280	54.210	101.618%	102.083%
x		94.039%	3.094	0.802	0.808	54.130	54.630	101.057%	101.413%
σ		1.471%	0.192	0.069	0.047	0.760	0.428	0.723%	0.791%
%RSD		1.564	6.210	8.616	5.797	1.404	0.783	0.715	0.780

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:27:27	0.046	0.046	0.080	0.084	0.074	94.108%
2	17:28:10	0.038	0.047	0.081	0.067	0.067	95.355%
3	17:28:53	0.039	0.037	0.071	0.055	0.060	95.737%
x		0.041	0.043	0.077	0.068	0.067	95.067%
σ		0.004	0.006	0.006	0.015	0.007	0.852%
%RSD		9.977	13.420	7.206	21.620	10.490	0.896

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:31:45	111.316%	0.046	88.870	93.570	0.000	21800.000	9260.000	9617.000
2	17:32:28	116.786%	-0.015	87.580	90.330	0.000	21520.000	9289.000	9666.000
3	17:33:11	118.505%	0.004	85.640	93.960	0.000	21390.000	9223.000	9676.000
x		115.536%	0.012	87.360	92.620	0.000	21570.000	9257.000	9653.000
σ		3.754%	0.031	1.627	1.993	0.000	209.500	33.090	31.850
%RSD		3.249	265.100	1.862	2.152	0.000	0.971	0.357	0.330

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:31:45	5.002	6068.000	0.000	4034.000	48890.000	51070.000	99.054%	8.470
2	17:32:28	4.929	6054.000	0.000	4013.000	49380.000	51510.000	101.864%	8.031
3	17:33:11	4.522	6024.000	0.000	3963.000	48480.000	50950.000	104.899%	8.993
x		4.818	6049.000	0.000	4003.000	48910.000	51180.000	101.939%	8.498
σ		0.259	22.590	0.000	36.420	451.300	296.200	2.923%	0.482
%RSD		5.375	0.374	0.000	0.910	0.923	0.579	2.868	5.666

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:31:45	1.234	4.857	316.400	39.030	177.700	0.204	0.682	1.323
2	17:32:28	-1.334	5.041	317.100	36.720	163.800	0.241	1.093	1.422
3	17:33:11	3.310	5.454	313.300	30.840	152.600	0.187	0.786	1.306
x		1.070	5.117	315.600	35.530	164.700	0.210	0.854	1.351
σ		2.326	0.306	2.008	4.226	12.570	0.027	0.214	0.063
%RSD		217.400	5.973	0.636	11.890	7.635	13.010	25.060	4.631

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:31:45	1.249	5.273	5.078	-1.092	-4.811	-2.144	0.000	154.500
2	17:32:28	1.425	5.602	5.162	0.092	-5.477	-2.419	0.000	155.600
3	17:33:11	1.389	5.229	5.318	3.426	-5.479	-3.752	0.000	158.300
x		1.355	5.368	5.186	0.809	-5.256	-2.772	0.000	156.100
σ		0.093	0.204	0.122	2.342	0.385	0.860	0.000	1.959
%RSD		6.890	3.801	2.349	289.600	7.325	31.020	0.000	1.255

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:31:45	97.997%	1.564	1.552	91.331%	0.012	0.031	-0.089	-0.059
2	17:32:28	101.693%	1.410	1.417	94.196%	0.014	0.024	-0.217	-0.157
3	17:33:11	102.392%	1.397	1.412	95.234%	0.014	0.021	-0.102	-0.054
x		100.694%	1.457	1.460	93.587%	0.013	0.025	-0.136	-0.090
σ		2.362%	0.093	0.079	2.021%	0.001	0.005	0.071	0.058
%RSD		2.345	6.381	5.421	2.160	8.127	20.520	51.950	64.750

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:31:45	96.581%	2.840	1.039	1.006	40.790	41.570	102.747%	102.954%
2	17:32:28	99.368%	2.502	1.018	1.025	41.180	41.910	105.582%	106.520%
3	17:33:11	101.010%	2.476	0.984	1.085	40.490	41.340	108.100%	108.356%
x		98.986%	2.606	1.014	1.039	40.820	41.610	105.477%	105.943%
σ		2.239%	0.203	0.028	0.041	0.349	0.288	2.678%	2.746%
%RSD		2.262	7.798	2.723	3.927	0.854	0.692	2.539	2.592

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:31:45	0.032	0.038	0.119	0.124	0.120	97.081%
2	17:32:28	0.027	0.025	0.094	0.116	0.100	100.912%
3	17:33:11	0.023	0.026	0.092	0.087	0.096	102.648%
x		0.027	0.030	0.102	0.109	0.105	100.214%
σ		0.005	0.007	0.015	0.019	0.013	2.848%
%RSD		16.860	24.270	14.840	17.840	12.350	2.842

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:36:04	115.982%	0.044	77.850	82.760	0.000	22620.000	8992.000	9410.000
2	17:36:47	117.801%	-0.015	78.400	84.180	0.000	22610.000	9184.000	9558.000
3	17:37:29	120.545%	0.004	75.710	83.780	0.000	22430.000	9067.000	9464.000
x		118.110%	0.011	77.320	83.570	0.000	22550.000	9081.000	9477.000
σ		2.297%	0.030	1.420	0.729	0.000	108.100	96.780	74.570
%RSD		1.945	274.500	1.836	0.873	0.000	0.479	1.066	0.787

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:36:04	7.923	5462.000	0.000	4012.000	45930.000	48200.000	101.290%	7.567
2	17:36:47	7.658	5451.000	0.000	4007.000	46550.000	48500.000	101.741%	9.308
3	17:37:29	7.966	5443.000	0.000	3987.000	46630.000	48540.000	101.437%	9.665
x		7.849	5452.000	0.000	4002.000	46370.000	48410.000	101.489%	8.846
σ		0.167	9.839	0.000	13.070	384.000	188.500	0.230%	1.123
%RSD		2.128	0.180	0.000	0.327	0.828	0.389	0.227	12.690

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:36:04	1.149	6.464	303.000	56.700	169.600	0.254	1.015	1.418
2	17:36:47	0.936	6.741	302.600	54.650	167.600	0.239	1.196	1.370
3	17:37:29	0.388	6.995	304.400	54.790	163.900	0.265	0.725	1.308
x		0.824	6.733	303.300	55.380	167.000	0.253	0.979	1.365
σ		0.393	0.266	0.932	1.143	2.866	0.013	0.237	0.055
%RSD		47.650	3.947	0.307	2.064	1.716	5.183	24.270	4.047

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:36:04	1.352	4.250	4.001	1.522	-5.738	-2.125	0.000	148.500
2	17:36:47	1.397	4.010	4.269	0.797	-5.622	-1.909	0.000	149.300
3	17:37:29	1.478	4.011	3.915	-0.917	-5.838	-1.711	0.000	147.200
x		1.409	4.090	4.062	0.468	-5.733	-1.915	0.000	148.300
σ		0.064	0.138	0.185	1.253	0.108	0.207	0.000	1.057
%RSD		4.521	3.383	4.557	267.900	1.887	10.800	0.000	0.712

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:36:04	98.865%	1.245	1.398	91.392%	0.006	0.026	-0.056	-0.072
2	17:36:47	100.485%	1.231	1.270	91.842%	0.003	0.013	-0.084	-0.098
3	17:37:29	99.546%	1.278	1.259	91.274%	0.003	0.016	-0.108	-0.055
x		99.632%	1.251	1.309	91.502%	0.004	0.018	-0.083	-0.075
σ		0.813%	0.024	0.077	0.300%	0.002	0.007	0.026	0.022
%RSD		0.816	1.957	5.903	0.328	39.170	37.530	31.530	29.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:36:04	97.400%	2.424	0.991	0.894	39.420	40.300	105.460%	105.146%
2	17:36:47	98.502%	2.639	0.981	1.018	37.720	39.650	105.468%	104.992%
3	17:37:29	97.411%	2.673	0.923	1.039	39.860	40.260	104.728%	104.735%
x		97.771%	2.579	0.965	0.984	39.000	40.070	105.219%	104.958%
σ		0.633%	0.135	0.037	0.079	1.129	0.365	0.425%	0.208%
%RSD		0.647	5.250	3.812	7.981	2.895	0.910	0.404	0.198

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:36:04	0.008	0.020	0.109	0.168	0.130	99.262%
2	17:36:47	0.022	0.017	0.106	0.128	0.121	100.668%
3	17:37:29	0.005	0.018	0.101	0.098	0.100	99.884%
x		0.012	0.018	0.106	0.131	0.117	99.938%
σ		0.009	0.002	0.004	0.035	0.015	0.704%
%RSD		74.140	8.949	3.944	26.680	13.020	0.705

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:40:22	112.380%	0.067	84.140	88.820	0.000	23440.000	9032.000	9462.000
2	17:41:05	114.405%	-0.015	83.720	91.730	0.000	23290.000	8956.000	9360.000
3	17:41:48	114.282%	-0.015	81.440	89.890	0.000	23380.000	9094.000	9518.000
x		113.689%	0.012	83.100	90.150	0.000	23370.000	9027.000	9447.000
σ		1.136%	0.047	1.450	1.472	0.000	71.420	68.720	79.820
%RSD		0.999	388.100	1.745	1.633	0.000	0.306	0.761	0.845

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:40:22	18.050	5625.000	0.000	4101.000	48070.000	49790.000	95.421%	8.011
2	17:41:05	17.590	5596.000	0.000	4029.000	48560.000	49700.000	97.024%	8.245
3	17:41:48	17.580	5621.000	0.000	4061.000	47820.000	49800.000	98.037%	7.623
x		17.740	5614.000	0.000	4064.000	48150.000	49760.000	96.827%	7.960
σ		0.269	15.890	0.000	36.300	378.600	56.410	1.319%	0.315
%RSD		1.513	0.283	0.000	0.893	0.786	0.113	1.362	3.951

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:40:22	-0.163	6.199	293.200	90.060	219.900	0.261	1.086	1.155
2	17:41:05	0.234	6.480	292.000	86.870	203.700	0.247	0.787	1.164
3	17:41:48	4.516	6.284	290.500	83.100	206.100	0.243	1.003	1.107
x		1.529	6.321	291.900	86.680	209.900	0.250	0.959	1.142
σ		2.595	0.144	1.368	3.487	8.717	0.009	0.154	0.031
%RSD		169.700	2.278	0.469	4.023	4.153	3.778	16.100	2.672

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:40:22	1.250	2.319	2.038	-2.163	-4.504	-7.606	0.000	154.300
2	17:41:05	1.021	2.097	2.276	-0.407	-5.327	-9.673	0.000	152.900
3	17:41:48	1.195	2.193	2.272	-0.363	-5.397	-9.304	0.000	155.200
x		1.155	2.203	2.195	-0.978	-5.076	-8.861	0.000	154.100
σ		0.119	0.111	0.137	1.027	0.496	1.103	0.000	1.131
%RSD		10.330	5.046	6.223	105.000	9.778	12.440	0.000	0.734

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:40:22	93.870%	1.320	1.346	87.178%	0.013	0.013	-0.085	-0.089
2	17:41:05	96.089%	1.212	1.192	88.274%	0.016	0.022	-0.179	-0.137
3	17:41:48	96.306%	1.206	1.199	88.960%	0.017	0.012	-0.086	-0.064
x		95.422%	1.246	1.246	88.137%	0.015	0.016	-0.116	-0.097
σ		1.348%	0.064	0.087	0.899%	0.002	0.005	0.054	0.037
%RSD		1.413	5.118	6.998	1.020	12.510	33.350	46.340	38.610

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:40:22	92.358%	2.350	0.813	0.881	40.660	42.480	99.941%	100.281%
2	17:41:05	93.996%	2.363	0.875	0.876	40.400	42.150	101.076%	102.367%
3	17:41:48	95.353%	2.077	0.814	0.867	41.220	41.660	104.004%	103.628%
x		93.902%	2.263	0.834	0.875	40.760	42.090	101.674%	102.092%
σ		1.500%	0.162	0.035	0.007	0.415	0.413	2.096%	1.690%
%RSD		1.597	7.145	4.249	0.838	1.018	0.980	2.062	1.656

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:40:22	0.011	0.012	0.241	0.275	0.248	94.737%
2	17:41:05	0.005	0.015	0.223	0.232	0.216	97.773%
3	17:41:48	0.011	0.009	0.207	0.230	0.222	99.965%
x		0.009	0.012	0.224	0.246	0.229	97.492%
σ		0.003	0.003	0.017	0.025	0.017	2.625%
%RSD		35.990	23.090	7.744	10.310	7.583	2.693

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:44:41	117.666%	0.004	35.400	41.040	0.000	9257.000	6173.000	6480.000
2	17:45:24	118.699%	-0.015	40.580	41.980	0.000	9254.000	6273.000	6536.000
3	17:46:07	119.390%	0.004	39.670	42.680	0.000	9315.000	6315.000	6567.000
x		118.585%	-0.002	38.550	41.900	0.000	9275.000	6254.000	6528.000
σ		0.868%	0.011	2.764	0.821	0.000	34.440	73.270	44.160
%RSD		0.732	526.200	7.170	1.959	0.000	0.371	1.172	0.677

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:44:41	18.040	2981.000	0.000	2595.000	26240.000	26800.000	97.266%	6.672
2	17:45:24	22.450	2987.000	0.000	2597.000	26220.000	27030.000	98.188%	8.515
3	17:46:07	18.110	2999.000	0.000	2608.000	25870.000	27220.000	97.598%	7.523
x		19.530	2989.000	0.000	2600.000	26110.000	27020.000	97.684%	7.570
σ		2.528	9.051	0.000	7.209	205.300	209.300	0.467%	0.923
%RSD		12.940	0.303	0.000	0.277	0.786	0.775	0.478	12.190

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:44:41	6.249	6.917	188.700	92.150	152.300	0.272	1.075	1.990
2	17:45:24	2.964	7.399	188.900	91.170	142.600	0.322	1.099	1.959
3	17:46:07	0.287	7.745	190.200	91.810	145.100	0.315	1.217	2.125
x		3.167	7.354	189.300	91.710	146.700	0.303	1.130	2.024
σ		2.986	0.415	0.784	0.497	5.059	0.027	0.076	0.089
%RSD		94.300	5.651	0.414	0.542	3.449	9.037	6.758	4.375

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:44:41	2.107	3.203	3.519	0.613	-5.614	-3.123	0.000	76.730
2	17:45:24	2.164	3.070	3.198	0.025	-6.453	-3.095	0.000	75.790
3	17:46:07	2.223	3.341	3.608	-2.542	-6.310	-3.963	0.000	77.470
x		2.165	3.205	3.441	-0.635	-6.126	-3.394	0.000	76.660
σ		0.058	0.136	0.216	1.678	0.449	0.494	0.000	0.839
%RSD		2.679	4.238	6.263	264.300	7.324	14.550	0.000	1.095

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:44:41	94.828%	0.571	0.587	87.841%	-0.003	0.002	-0.055	-0.030
2	17:45:24	96.772%	0.512	0.528	87.384%	0.013	0.011	-0.034	-0.014
3	17:46:07	95.820%	0.509	0.641	87.853%	0.017	0.011	-0.156	-0.111
x		95.807%	0.530	0.585	87.693%	0.009	0.008	-0.082	-0.052
σ		0.972%	0.035	0.056	0.267%	0.011	0.005	0.065	0.052
%RSD		1.015	6.586	9.592	0.305	122.000	65.100	79.750	99.650

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:44:41	94.689%	1.831	0.753	0.755	19.650	20.140	101.007%	102.255%
2	17:45:24	95.384%	1.867	0.771	0.827	19.680	20.600	103.354%	103.430%
3	17:46:07	94.397%	1.959	0.800	0.783	19.450	20.260	102.781%	103.656%
x		94.823%	1.885	0.775	0.789	19.590	20.340	102.381%	103.114%
σ		0.507%	0.066	0.024	0.036	0.125	0.239	1.224%	0.752%
%RSD		0.535	3.496	3.071	4.619	0.638	1.176	1.195	0.730

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:44:41	0.007	0.012	0.218	0.238	0.226	97.225%
2	17:45:24	0.008	0.012	0.217	0.193	0.211	99.712%
3	17:46:07	0.006	0.020	0.205	0.190	0.193	99.137%
x		0.007	0.015	0.213	0.207	0.210	98.692%
σ		0.001	0.005	0.007	0.027	0.016	1.302%
%RSD		17.960	30.980	3.227	12.910	7.773	1.320

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:49:00	93.787%	0.009	7.069	9.934	0.000	1976.000	1201.000	1248.000
2	17:49:43	94.669%	0.033	7.124	9.291	0.000	1956.000	1203.000	1245.000
3	17:50:26	94.280%	-0.015	6.898	8.558	0.000	1940.000	1204.000	1244.000
x		94.245%	0.009	7.030	9.261	0.000	1957.000	1203.000	1246.000
σ		0.442%	0.024	0.118	0.688	0.000	17.840	1.576	2.277
%RSD		0.469	263.300	1.681	7.430	0.000	0.912	0.131	0.183

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:49:00	3.210	600.300	0.000	535.200	5481.000	5370.000	81.651%	0.410
2	17:49:43	3.707	598.500	0.000	524.600	5133.000	5289.000	82.366%	0.245
3	17:50:26	3.184	593.400	0.000	522.700	5341.000	5342.000	82.070%	0.527
x		3.367	597.400	0.000	527.500	5318.000	5334.000	82.029%	0.394
σ		0.295	3.629	0.000	6.781	175.300	40.900	0.359%	0.142
%RSD		8.753	0.607	0.000	1.286	3.297	0.767	0.438	35.980

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:49:00	-2.692	1.749	38.450	34.160	34.640	0.059	0.094	0.475
2	17:49:43	-1.886	1.643	38.680	29.270	27.360	0.050	-0.041	0.371
3	17:50:26	-1.992	1.598	38.910	27.730	34.050	0.055	-0.001	0.468
x		-2.190	1.663	38.680	30.390	32.020	0.055	0.017	0.438
σ		0.438	0.078	0.229	3.358	4.044	0.005	0.069	0.058
%RSD		20.000	4.681	0.591	11.050	12.630	8.563	399.400	13.290

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:49:00	0.505	0.835	0.935	0.611	-3.412	-1.538	0.000	14.980
2	17:49:43	0.568	0.937	0.509	-0.135	-3.317	-2.579	0.000	14.880
3	17:50:26	0.509	0.488	0.719	-0.478	-4.185	-2.979	0.000	15.100
x		0.527	0.753	0.721	-0.000	-3.638	-2.365	0.000	14.990
σ		0.035	0.235	0.213	0.557	0.476	0.744	0.000	0.108
%RSD		6.729	31.200	29.580	128900.000	13.080	31.460	0.000	0.720

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:49:00	84.069%	0.245	0.215	80.199%	0.012	-0.000	-0.120	-0.099
2	17:49:43	84.050%	0.179	0.234	80.792%	-0.001	-0.002	-0.058	-0.041
3	17:50:26	84.386%	0.178	0.194	80.745%	-0.001	0.003	-0.067	-0.052
x		84.168%	0.201	0.215	80.579%	0.004	0.000	-0.082	-0.064
σ		0.189%	0.038	0.020	0.330%	0.008	0.003	0.034	0.031
%RSD		0.224	19.140	9.201	0.409	211.900	560.100	41.270	47.620

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:49:00	84.273%	0.299	0.081	0.107	3.699	3.888	91.458%	93.222%
2	17:49:43	85.249%	0.102	0.090	0.067	3.808	3.782	91.890%	93.749%
3	17:50:26	85.502%	0.058	0.077	0.122	4.096	4.030	92.683%	93.818%
x		85.008%	0.153	0.083	0.098	3.868	3.900	92.010%	93.596%
σ		0.649%	0.128	0.007	0.028	0.205	0.124	0.621%	0.326%
%RSD		0.763	83.870	8.446	28.820	5.302	3.184	0.675	0.348

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:49:00	-0.009	-0.003	0.074	0.076	0.072	88.026%
2	17:49:43	-0.016	-0.009	0.041	0.072	0.053	88.998%
3	17:50:26	-0.014	-0.010	0.031	0.040	0.038	89.531%
x		-0.013	-0.008	0.049	0.062	0.054	88.852%
σ		0.003	0.004	0.023	0.019	0.017	0.763%
%RSD		24.480	53.170	46.460	30.910	30.830	0.859

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:56:14	79.043%	93.010	88.540	98.490	0.000	45410.000	51640.000	53580.000
2	17:56:58	79.715%	94.790	96.430	98.510	0.000	45640.000	51860.000	53780.000
3	17:57:41	79.642%	94.290	96.540	99.430	0.000	45720.000	51840.000	53640.000
x		79.467%	94.029%	93.836%	98.811%	0.000	91.180%	103.558%	107.334%
σ		0.369%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.464	0.973	4.892	0.546	0.000	0.349	0.238	0.193

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:56:14	526.100	5077.000	0.000	47660.000	47780.000	48490.000	75.541%	99.090
2	17:56:58	527.100	5110.000	0.000	48040.000	48410.000	49030.000	76.224%	101.100
3	17:57:41	532.100	5098.000	0.000	48430.000	48750.000	48980.000	76.002%	99.380
x		105.686%	101.902%	0.000	96.085%	96.628%	97.667%	75.923%	99.861%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.349%	n/a
%RSD		0.617	0.329	0.000	0.799	1.025	0.609	0.459	1.099

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:56:14	101.700	100.300	524.700	25980.000	25110.000	95.950	94.540	94.350
2	17:56:58	101.200	100.600	522.800	26000.000	25390.000	96.590	93.410	93.830
3	17:57:41	100.000	100.800	524.600	26070.000	25590.000	97.680	95.520	95.130
x		100.968%	100.562%	104.804%	104.056%	101.444%	96.743%	94.489%	94.435%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.846	0.220	0.206	0.190	0.956	0.902	1.122	0.692

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:56:14	93.720	100.300	98.430	96.750	93.790	104.400	0.000	103.200
2	17:56:58	93.000	99.270	97.810	97.360	94.920	103.300	0.000	102.800
3	17:57:41	94.130	102.000	98.840	98.420	94.140	102.000	0.000	102.700
x		93.620%	100.525%	98.361%	97.511%	94.284%	103.249%	0.000	102.894%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.612	1.354	0.526	0.863	0.614	1.137	0.000	0.227

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:56:14	76.341%	97.770	98.710	77.502%	97.320	94.950	96.770	98.130
2	17:56:58	77.311%	101.600	100.700	78.291%	96.490	96.600	100.100	97.520
3	17:57:41	77.088%	102.100	101.900	78.143%	97.990	96.270	97.060	96.550
x		76.914%	100.504%	100.439%	77.979%	97.263%	95.939%	97.973%	97.401%
σ		0.508%	n/a	n/a	0.419%	n/a	n/a	n/a	n/a
%RSD		0.661	2.369	1.599	0.538	0.771	0.911	1.878	0.817

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:56:14	81.290%	96.540	100.200	100.000	92.840	96.310	88.685%	89.739%
2	17:56:58	82.297%	96.590	98.720	99.300	93.730	94.900	90.472%	90.934%
3	17:57:41	82.195%	96.270	98.090	99.470	94.920	95.130	89.321%	90.405%
x		81.927%	96.468%	99.001%	99.589%	93.834%	95.447%	89.493%	90.359%
σ		0.555%	n/a	n/a	n/a	n/a	n/a	0.906%	0.599%
%RSD		0.677	0.181	1.090	0.367	1.112	0.792	1.012	0.662

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:56:14	98.270	99.260	99.440	99.630	99.630	89.647%
2	17:56:58	98.670	99.980	99.210	99.630	99.670	90.093%
3	17:57:41	99.550	100.400	100.300	100.600	100.500	89.137%
x		98.832%	99.881%	99.638%	99.938%	99.920%	89.626%
σ		n/a	n/a	n/a	n/a	n/a	0.478%
%RSD		0.660	0.578	0.564	0.530	0.468	0.534

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:03:31	90.495%	-0.015	1.270	0.615	0.000	60.500	0.788	0.778
2	18:04:14	92.372%	-0.015	0.303	-0.027	0.000	60.900	0.856	0.415
3	18:04:57	90.505%	0.010	0.325	0.107	0.000	62.920	0.116	0.728
x		91.124%	-0.007	0.633	0.232	0.000	61.440	0.587	0.640
σ		1.081%	0.015	0.552	0.339	0.000	1.294	0.409	0.197
%RSD		1.186	218.100	87.210	146.200	0.000	2.106	69.680	30.740

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:03:31	-0.603	1.022	0.000	-19.690	15.760	5.281	80.964%	-0.031
2	18:04:14	-0.685	1.838	0.000	-15.250	-3.974	1.323	82.080%	-0.194
3	18:04:57	-0.729	1.109	0.000	-11.160	-3.972	-0.144	82.140%	-0.114
x		-0.672	1.323	0.000	-15.370	2.604	2.153	81.728%	-0.113
σ		0.064	0.448	0.000	4.266	11.390	2.806	0.663%	0.082
%RSD		9.530	33.880	0.000	27.760	437.500	130.300	0.811	72.270

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:03:31	-0.021	-0.014	0.014	18.900	23.140	-0.005	-0.398	-0.048
2	18:04:14	0.118	-0.013	-0.000	9.804	18.200	-0.003	-0.408	-0.060
3	18:04:57	-0.131	0.019	-0.002	5.340	13.210	0.005	-0.435	-0.061
x		-0.011	-0.003	0.004	11.350	18.180	-0.001	-0.414	-0.056
σ		0.125	0.019	0.009	6.913	4.963	0.006	0.019	0.007
%RSD		1086.000	646.900	216.900	60.910	27.290	505.200	4.547	12.770

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:03:31	-0.022	-0.190	-0.322	-0.302	-2.520	-1.654	0.000	0.006
2	18:04:14	-0.031	-0.335	-0.279	-0.486	-3.177	-1.530	0.000	0.003
3	18:04:57	-0.097	-0.196	-0.130	-0.488	-3.436	-3.102	0.000	0.004
x		-0.050	-0.240	-0.243	-0.425	-3.044	-2.096	0.000	0.004
σ		0.041	0.082	0.101	0.107	0.472	0.874	0.000	0.001
%RSD		82.550	34.090	41.310	25.190	15.510	41.700	0.000	30.580

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:03:31	84.607%	0.687	0.640	83.998%	0.004	0.008	-0.049	-0.038
2	18:04:14	85.398%	0.632	0.696	84.912%	0.002	0.007	0.015	-0.007
3	18:04:57	86.065%	0.481	0.480	85.152%	0.002	0.003	-0.046	-0.044
x		85.356%	0.600	0.605	84.687%	0.002	0.006	-0.027	-0.030
σ		0.730%	0.107	0.112	0.609%	0.001	0.003	0.036	0.020
%RSD		0.855	17.740	18.550	0.719	45.210	48.500	135.900	66.460

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:03:31	86.100%	-0.006	0.058	0.034	-0.033	-0.002	91.953%	93.963%
2	18:04:14	87.950%	-0.073	0.075	0.047	-0.053	-0.031	94.543%	95.200%
3	18:04:57	88.388%	-0.109	0.072	0.066	-0.004	-0.003	94.186%	95.666%
x		87.479%	-0.063	0.068	0.049	-0.030	-0.012	93.561%	94.943%
σ		1.215%	0.052	0.009	0.016	0.024	0.016	1.404%	0.880%
%RSD		1.388	83.020	13.590	32.110	81.500	135.100	1.500	0.927

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:03:31	0.002	0.018	0.068	0.111	0.092	96.605%
2	18:04:14	0.002	0.009	0.020	0.029	0.021	97.094%
3	18:04:57	0.002	0.012	0.003	0.013	0.004	97.447%
x		0.002	0.013	0.031	0.051	0.039	97.049%
σ		0.000	0.005	0.034	0.052	0.047	0.423%
%RSD		6.868	37.620	110.600	102.400	118.700	0.436

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:07:52	108.097%	43.200	968.800	1038.000	0.000	51380.000	57940.000	60750.000
2	18:08:34	112.151%	43.750	949.400	1038.000	0.000	51110.000	58830.000	61480.000
3	18:09:17	114.659%	44.120	980.400	1073.000	0.000	51170.000	59210.000	62200.000
x		111.636%	43.690	966.200	1050.000	0.000	51220.000	58660.000	61470.000
σ		3.311%	0.463	15.670	20.340	0.000	142.400	653.600	727.000
%RSD		2.966	1.060	1.621	1.938	0.000	0.278	1.114	1.183

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:07:52	2115.000	12090.000	0.000	47020.000	71530.000	74110.000	90.576%	990.100
2	18:08:34	2122.000	12110.000	0.000	46740.000	71710.000	74640.000	94.673%	990.800
3	18:09:17	2146.000	12130.000	0.000	46810.000	72610.000	74700.000	96.307%	987.400
x		2128.000	12110.000	0.000	46860.000	71950.000	74480.000	93.852%	989.400
σ		16.010	21.190	0.000	144.200	576.200	325.000	2.953%	1.802
%RSD		0.752	0.175	0.000	0.308	0.801	0.436	3.146	0.182

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:07:52	490.500	202.600	694.700	1074.000	1269.000	442.500	428.900	217.800
2	18:08:34	490.200	202.500	688.600	1056.000	1255.000	432.500	425.300	211.700
3	18:09:17	486.800	202.400	691.400	1059.000	1254.000	437.300	421.000	211.200
x		489.200	202.500	691.600	1063.000	1259.000	437.500	425.100	213.600
σ		2.074	0.143	3.062	9.748	8.653	4.999	3.944	3.642
%RSD		0.424	0.071	0.443	0.917	0.687	1.143	0.928	1.705

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:07:52	216.600	456.700	443.500	37.180	6.119	10.740	0.000	1049.000
2	18:08:34	213.300	451.700	448.300	37.030	4.307	8.180	0.000	1041.000
3	18:09:17	212.100	448.300	442.000	33.470	4.641	7.494	0.000	1048.000
x		214.000	452.200	444.600	35.890	5.022	8.805	0.000	1046.000
σ		2.290	4.225	3.295	2.100	0.964	1.711	0.000	4.065
%RSD		1.070	0.934	0.741	5.852	19.200	19.430	0.000	0.389

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:07:52	88.610%	1003.000	1013.000	81.350%	48.520	47.720	50.120	45.740
2	18:08:34	92.660%	1006.000	1017.000	84.300%	48.680	47.260	50.750	45.990
3	18:09:17	94.438%	996.300	1015.000	85.652%	48.230	47.300	50.630	46.030
x		91.902%	1002.000	1015.000	83.767%	48.480	47.430	50.500	45.920
σ		2.987%	5.086	2.024	2.200%	0.231	0.250	0.335	0.157
%RSD		3.250	0.508	0.200	2.626	0.477	0.527	0.664	0.341

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:07:52	86.425%	1938.000	501.500	507.300	1923.000	1960.000	94.154%	95.368%
2	18:08:34	89.525%	1940.000	503.000	507.900	1929.000	1959.000	98.186%	99.244%
3	18:09:17	91.898%	1929.000	498.700	502.200	1904.000	1945.000	100.323%	100.809%
x		89.283%	1936.000	501.000	505.800	1919.000	1955.000	97.555%	98.474%
σ		2.745%	5.982	2.191	3.099	12.670	8.339	3.133%	2.801%
%RSD		3.074	0.309	0.437	0.613	0.660	0.427	3.211	2.844

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:07:52	48.720	49.930	20.270	20.730	20.550	91.653%
2	18:08:34	48.170	49.070	19.830	20.080	19.870	96.361%
3	18:09:17	48.130	48.920	19.660	19.970	19.810	99.082%
x		48.340	49.310	19.920	20.260	20.080	95.699%
σ		0.330	0.546	0.315	0.411	0.413	3.758%
%RSD		0.683	1.108	1.581	2.027	2.058	3.927

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:12:09	112.763%	43.180	960.600	1055.000	0.000	50400.000	59070.000	61510.000
2	18:12:52	119.426%	41.990	945.700	1042.000	0.000	49710.000	58990.000	61700.000
3	18:13:35	117.815%	42.160	958.900	1058.000	0.000	50290.000	60030.000	62420.000
x		116.668%	42.440	955.100	1052.000	0.000	50140.000	59360.000	61880.000
σ		3.476%	0.646	8.109	8.524	0.000	370.500	581.100	476.500
%RSD		2.980	1.521	0.849	0.811	0.000	0.739	0.979	0.770

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:12:09	2182.000	12090.000	0.000	45720.000	71070.000	73680.000	97.449%	972.100
2	18:12:52	2196.000	12010.000	0.000	45370.000	72200.000	73720.000	100.361%	965.800
3	18:13:35	2224.000	12070.000	0.000	45270.000	70830.000	73970.000	101.977%	973.100
x		2201.000	12060.000	0.000	45450.000	71370.000	73790.000	99.929%	970.300
σ		21.240	43.470	0.000	238.400	731.200	156.000	2.294%	3.993
%RSD		0.965	0.360	0.000	0.524	1.025	0.211	2.296	0.411

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:12:09	483.200	198.200	695.900	1277.000	1468.000	425.500	408.300	206.700
2	18:12:52	475.700	197.600	693.900	1293.000	1413.000	421.600	407.100	204.400
3	18:13:35	472.200	195.000	689.700	1288.000	1453.000	417.100	397.900	200.800
x		477.000	196.900	693.200	1286.000	1445.000	421.400	404.400	204.000
σ		5.643	1.707	3.155	8.416	28.630	4.166	5.667	3.000
%RSD		1.183	0.867	0.455	0.654	1.982	0.989	1.401	1.471

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:12:09	204.600	436.400	430.600	34.200	4.406	6.780	0.000	1023.000
2	18:12:52	200.800	432.600	428.900	34.460	3.064	7.718	0.000	1044.000
3	18:13:35	201.300	436.100	424.200	36.110	3.730	8.379	0.000	1039.000
x		202.200	435.000	427.900	34.920	3.733	7.626	0.000	1035.000
σ		2.077	2.135	3.315	1.039	0.671	0.803	0.000	11.090
%RSD		1.027	0.491	0.775	2.974	17.970	10.540	0.000	1.071

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:12:09	95.210%	980.600	994.200	86.536%	47.440	47.110	48.830	45.030
2	18:12:52	97.064%	990.200	1005.000	88.588%	47.310	46.790	50.120	44.800
3	18:13:35	98.464%	981.200	1002.000	88.695%	47.410	46.340	49.060	44.000
x		96.913%	984.000	1001.000	87.940%	47.380	46.740	49.340	44.610
σ		1.632%	5.396	5.795	1.217%	0.069	0.387	0.688	0.540
%RSD		1.684	0.548	0.579	1.384	0.145	0.829	1.394	1.211

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:12:09	92.217%	1902.000	490.000	492.600	1858.000	1900.000	101.726%	102.383%
2	18:12:52	94.425%	1921.000	493.900	498.300	1892.000	1926.000	103.352%	104.462%
3	18:13:35	96.319%	1903.000	491.100	499.300	1882.000	1917.000	105.334%	106.143%
x		94.320%	1909.000	491.700	496.700	1877.000	1914.000	103.471%	104.329%
σ		2.053%	10.570	2.046	3.588	17.520	13.320	1.807%	1.883%
%RSD		2.177	0.554	0.416	0.722	0.933	0.696	1.746	1.805

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:12:09	47.460	47.920	19.620	19.800	19.690	100.452%
2	18:12:52	47.210	48.080	19.670	19.910	19.650	103.443%
3	18:13:35	47.270	48.000	19.540	19.840	19.540	104.760%
x		47.310	48.000	19.610	19.850	19.630	102.885%
σ		0.129	0.080	0.069	0.055	0.078	2.208%
%RSD		0.273	0.168	0.352	0.278	0.395	2.146

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:16:25	120.787%	0.004	59.520	63.910	0.000	14200.000	3991.000	4136.000
2	18:17:08	120.257%	0.023	50.600	61.020	0.000	14200.000	4000.000	4207.000
3	18:17:51	118.328%	0.043	56.620	58.140	0.000	14240.000	3963.000	4160.000
x		119.791%	0.023	55.580	61.030	0.000	14210.000	3985.000	4167.000
σ		1.294%	0.020	4.552	2.885	0.000	25.110	19.350	36.160
%RSD		1.081	83.460	8.190	4.728	0.000	0.177	0.485	0.868

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:16:25	48.040	3203.000	0.000	2922.000	27920.000	29160.000	97.165%	6.508
2	18:17:08	48.180	3230.000	0.000	2922.000	28200.000	29040.000	97.554%	7.223
3	18:17:51	50.510	3229.000	0.000	2893.000	27660.000	29090.000	97.859%	7.236
x		48.910	3221.000	0.000	2912.000	27930.000	29100.000	97.526%	6.989
σ		1.383	15.500	0.000	16.550	272.600	57.440	0.348%	0.417
%RSD		2.828	0.481	0.000	0.568	0.976	0.197	0.357	5.964

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:16:25	3.731	10.680	71.010	163.000	231.700	0.217	0.750	1.895
2	18:17:08	5.500	10.190	71.010	158.500	224.300	0.282	0.850	1.891
3	18:17:51	2.220	9.447	70.360	156.100	219.000	0.243	0.727	1.838
x		3.817	10.100	70.800	159.200	225.000	0.247	0.776	1.875
σ		1.642	0.620	0.377	3.526	6.351	0.033	0.066	0.032
%RSD		43.010	6.133	0.533	2.215	2.823	13.370	8.445	1.717

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:16:25	1.949	6.046	6.017	2.839	-5.046	-2.567	0.000	91.050
2	18:17:08	2.059	5.852	6.282	1.908	-5.254	-2.109	0.000	91.220
3	18:17:51	2.293	6.409	5.952	-1.489	-5.279	0.189	0.000	91.000
x		2.100	6.102	6.084	1.086	-5.193	-1.496	0.000	91.090
σ		0.176	0.283	0.175	2.278	0.128	1.477	0.000	0.117
%RSD		8.364	4.632	2.872	209.700	2.457	98.750	0.000	0.129

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:16:25	95.219%	7.289	7.450	87.193%	0.017	0.031	0.173	0.153
2	18:17:08	95.695%	4.953	4.665	86.860%	0.043	0.037	0.119	0.114
3	18:17:51	95.386%	3.413	3.456	87.064%	0.014	0.028	0.139	0.115
x		95.434%	5.218	5.191	87.039%	0.025	0.032	0.144	0.127
σ		0.241%	1.952	2.048	0.168%	0.016	0.005	0.027	0.022
%RSD		0.253	37.400	39.460	0.193	62.540	14.880	18.950	17.520

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:16:25	93.534%	10.380	1.052	1.103	22.660	22.670	100.505%	101.507%
2	18:17:08	93.666%	7.132	1.011	1.116	22.150	23.440	100.789%	101.689%
3	18:17:51	94.610%	5.614	0.923	1.002	21.560	22.240	101.145%	102.470%
x		93.936%	7.709	0.995	1.074	22.120	22.780	100.813%	101.889%
σ		0.587%	2.436	0.066	0.062	0.554	0.612	0.321%	0.511%
%RSD		0.625	31.590	6.642	5.809	2.502	2.686	0.318	0.502

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:16:25	0.363	0.380	0.645	0.691	0.646	99.071%
2	18:17:08	0.281	0.306	0.615	0.627	0.630	99.674%
3	18:17:51	0.173	0.199	0.556	0.629	0.613	100.214%
x		0.273	0.295	0.605	0.649	0.630	99.653%
σ		0.095	0.091	0.046	0.036	0.017	0.572%
%RSD		34.940	30.980	7.551	5.615	2.631	0.574

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:20:43	117.967%	0.004	30.060	30.610	0.000	4979.000	1518.000	1583.000
2	18:21:26	118.097%	-0.015	31.920	31.510	0.000	4971.000	1529.000	1595.000
3	18:22:09	119.323%	-0.015	29.710	31.040	0.000	4954.000	1534.000	1587.000
x		118.462%	-0.009	30.560	31.050	0.000	4968.000	1527.000	1588.000
σ		0.748%	0.011	1.188	0.449	0.000	12.890	7.984	6.099
%RSD		0.631	131.700	3.887	1.447	0.000	0.260	0.523	0.384

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:20:43	23.320	1279.000	0.000	1927.000	14580.000	15160.000	95.740%	6.606
2	18:21:26	23.710	1287.000	0.000	1894.000	14580.000	14820.000	97.956%	6.652
3	18:22:09	22.470	1280.000	0.000	1900.000	14410.000	15140.000	99.411%	8.179
x		23.170	1282.000	0.000	1907.000	14520.000	15040.000	97.703%	7.146
σ		0.635	4.080	0.000	17.370	96.790	191.500	1.849%	0.895
%RSD		2.740	0.318	0.000	0.911	0.666	1.274	1.892	12.520

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:20:43	-0.951	10.720	23.220	71.100	92.320	0.186	0.359	2.522
2	18:21:26	5.118	10.460	23.280	68.170	90.910	0.151	0.412	2.389
3	18:22:09	3.491	10.300	23.400	66.790	90.560	0.085	0.387	2.316
x		2.553	10.490	23.300	68.690	91.260	0.141	0.386	2.409
σ		3.142	0.212	0.094	2.203	0.933	0.051	0.026	0.105
%RSD		123.100	2.022	0.406	3.208	1.022	36.340	6.850	4.346

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:20:43	2.268	4.311	4.437	1.376	-4.804	-3.857	0.000	44.410
2	18:21:26	2.316	4.374	4.652	-1.928	-5.773	-2.112	0.000	44.190
3	18:22:09	2.257	4.010	4.036	-1.335	-5.405	-3.216	0.000	44.530
x		2.280	4.232	4.375	-0.629	-5.327	-3.061	0.000	44.370
σ		0.031	0.195	0.312	1.762	0.490	0.883	0.000	0.172
%RSD		1.365	4.600	7.138	280.100	9.190	28.830	0.000	0.388

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:20:43	94.629%	1.983	1.903	86.856%	0.001	0.007	0.034	0.007
2	18:21:26	96.695%	1.456	1.586	88.773%	0.008	0.005	-0.074	-0.052
3	18:22:09	97.107%	1.392	1.275	89.809%	0.002	0.012	-0.073	-0.030
x		96.144%	1.611	1.588	88.479%	0.004	0.008	-0.038	-0.025
σ		1.328%	0.324	0.314	1.498%	0.004	0.004	0.062	0.030
%RSD		1.381	20.130	19.760	1.693	98.270	47.130	165.600	117.400

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:20:43	93.349%	4.468	0.784	0.865	10.630	10.250	100.217%	100.533%
2	18:21:26	94.827%	3.636	0.804	0.762	10.170	10.700	102.235%	103.242%
3	18:22:09	96.494%	2.981	0.791	0.715	9.605	10.210	103.528%	104.406%
x		94.890%	3.695	0.793	0.781	10.140	10.390	101.993%	102.727%
σ		1.573%	0.745	0.010	0.077	0.515	0.271	1.669%	1.987%
%RSD		1.658	20.170	1.274	9.817	5.084	2.613	1.636	1.934

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:20:43	0.075	0.092	0.493	0.495	0.474	99.471%
2	18:21:26	0.070	0.071	0.432	0.490	0.476	102.089%
3	18:22:09	0.073	0.061	0.491	0.452	0.460	103.423%
x		0.073	0.075	0.472	0.479	0.470	101.661%
σ		0.003	0.016	0.034	0.024	0.009	2.010%
%RSD		3.754	21.080	7.257	4.943	1.827	1.978

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:00	117.158%	0.083	41.650	48.330	0.000	8398.000	3013.000	3147.000
2	18:25:43	116.286%	0.005	49.360	52.370	0.000	8354.000	3050.000	3189.000
3	18:26:26	115.288%	0.005	40.730	49.170	0.000	8534.000	3089.000	3228.000
x		116.244%	0.031	43.920	49.960	0.000	8428.000	3050.000	3188.000
σ		0.936%	0.045	4.741	2.131	0.000	94.000	38.090	40.440
%RSD		0.805	146.400	10.800	4.266	0.000	1.115	1.249	1.269

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:00	28.920	3062.000	0.000	2495.000	23070.000	23710.000	94.887%	6.148
2	18:25:43	29.690	3074.000	0.000	2491.000	22650.000	23650.000	96.331%	6.498
3	18:26:26	29.010	3102.000	0.000	2519.000	22960.000	23780.000	95.481%	6.726
x		29.200	3079.000	0.000	2502.000	22890.000	23710.000	95.566%	6.457
σ		0.423	20.660	0.000	15.160	218.600	62.500	0.725%	0.291
%RSD		1.450	0.671	0.000	0.606	0.955	0.264	0.759	4.503

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:00	4.448	11.110	17.980	53.990	107.600	0.132	0.339	2.831
2	18:25:43	10.960	10.970	17.820	53.590	108.300	0.139	0.531	2.789
3	18:26:26	-0.652	11.030	17.890	53.980	104.600	0.067	0.459	2.915
x		4.920	11.040	17.900	53.850	106.800	0.113	0.443	2.845
σ		5.822	0.068	0.082	0.229	1.972	0.040	0.097	0.065
%RSD		118.400	0.618	0.457	0.426	1.846	35.120	21.840	2.271

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:00	2.758	6.380	6.380	2.127	-5.854	-2.612	0.000	80.270
2	18:25:43	2.643	6.995	6.714	4.159	-4.988	-3.739	0.000	80.840
3	18:26:26	2.869	6.603	6.702	-0.472	-5.431	-1.197	0.000	80.450
x		2.757	6.660	6.599	1.938	-5.424	-2.516	0.000	80.520
σ		0.113	0.311	0.190	2.321	0.433	1.274	0.000	0.293
%RSD		4.106	4.674	2.876	119.800	7.978	50.620	0.000	0.364

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:00	93.430%	1.815	1.737	84.617%	0.002	-0.001	0.012	0.063
2	18:25:43	94.551%	1.790	1.750	86.490%	0.012	0.013	-0.087	-0.045
3	18:26:26	95.100%	1.641	1.648	86.404%	0.007	0.008	-0.092	-0.070
x		94.360%	1.749	1.712	85.837%	0.007	0.007	-0.056	-0.017
σ		0.851%	0.094	0.055	1.057%	0.005	0.007	0.059	0.071
%RSD		0.902	5.357	3.223	1.232	74.750	101.700	105.600	404.700

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:00	92.216%	3.361	0.963	0.948	16.900	17.200	99.695%	100.588%
2	18:25:43	93.088%	2.964	1.025	0.954	16.850	17.590	101.113%	101.289%
3	18:26:26	93.649%	2.692	0.855	0.888	16.830	17.090	101.521%	101.702%
x		92.984%	3.005	0.948	0.930	16.860	17.290	100.776%	101.193%
σ		0.722%	0.337	0.086	0.036	0.036	0.266	0.959%	0.563%
%RSD		0.777	11.200	9.109	3.918	0.211	1.535	0.951	0.557

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:00	0.056	0.064	0.300	0.383	0.343	98.185%
2	18:25:43	0.040	0.053	0.351	0.400	0.347	99.642%
3	18:26:26	0.059	0.051	0.306	0.350	0.330	99.612%
x		0.052	0.056	0.319	0.378	0.340	99.147%
σ		0.011	0.007	0.027	0.025	0.009	0.833%
%RSD		20.360	12.850	8.613	6.717	2.654	0.840

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:32:56	99.539%	0.054	0.853	0.776	0.000	51.560	2.943	2.320
2	18:33:39	99.458%	-0.015	0.978	1.051	0.000	58.270	5.232	4.493
3	18:34:22	103.824%	-0.015	0.668	0.821	0.000	55.630	2.492	3.183
x		100.940%	0.008	0.833	0.883	0.000	55.150	3.556	3.332
σ		2.498%	0.040	0.156	0.148	0.000	3.380	1.469	1.094
%RSD		2.474	495.100	18.690	16.750	0.000	6.129	41.310	32.830

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:32:56	-0.374	4.567	0.000	-26.470	16.170	15.730	79.367%	0.099
2	18:33:39	-0.439	5.974	0.000	-20.520	27.990	26.150	79.634%	-0.026
3	18:34:22	-0.691	3.852	0.000	-20.960	35.480	18.810	80.293%	-0.192
x		-0.501	4.798	0.000	-22.650	26.550	20.230	79.765%	-0.040
σ		0.168	1.080	0.000	3.315	9.735	5.353	0.477%	0.146
%RSD		33.420	22.500	0.000	14.630	36.670	26.470	0.598	366.400

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:32:56	-0.177	0.467	0.037	9.669	-0.935	0.006	-0.398	0.054
2	18:33:39	-0.227	0.470	0.085	7.303	1.140	0.017	-0.451	0.023
3	18:34:22	-0.585	0.454	0.048	5.737	-0.463	0.012	-0.438	0.048
x		-0.330	0.464	0.057	7.570	-0.086	0.012	-0.429	0.042
σ		0.223	0.009	0.025	1.980	1.088	0.005	0.028	0.017
%RSD		67.570	1.908	43.960	26.150	1267.000	46.530	6.439	39.960

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:32:56	0.047	0.241	0.226	-0.629	-3.667	-0.268	0.000	0.051
2	18:33:39	0.067	0.300	0.285	-0.386	-3.862	-2.204	0.000	0.097
3	18:34:22	0.135	0.263	0.344	-0.050	-4.339	-3.206	0.000	0.085
x		0.083	0.268	0.285	-0.355	-3.956	-1.893	0.000	0.078
σ		0.046	0.030	0.059	0.291	0.346	1.494	0.000	0.024
%RSD		55.490	11.060	20.580	82.010	8.740	78.900	0.000	30.490

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:32:56	79.979%	0.365	0.309	80.456%	-0.009	-0.000	-0.016	-0.017
2	18:33:39	80.091%	0.325	0.315	80.609%	-0.002	0.007	-0.086	-0.059
3	18:34:22	79.860%	0.297	0.312	80.632%	-0.009	-0.000	-0.060	-0.055
x		79.977%	0.329	0.312	80.565%	-0.007	0.002	-0.054	-0.044
σ		0.115%	0.034	0.003	0.096%	0.004	0.004	0.036	0.023
%RSD		0.144	10.310	0.974	0.119	56.330	177.300	66.280	53.550

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:32:56	83.832%	0.264	0.016	0.003	0.069	0.005	90.620%	92.312%
2	18:33:39	83.827%	0.093	0.031	0.023	0.068	0.101	92.401%	93.288%
3	18:34:22	84.473%	-0.016	0.017	0.020	0.128	0.061	92.424%	93.445%
x		84.044%	0.114	0.021	0.015	0.089	0.055	91.815%	93.015%
σ		0.371%	0.141	0.008	0.011	0.034	0.048	1.035%	0.614%
%RSD		0.442	124.000	39.770	68.500	38.610	86.790	1.127	0.660

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:32:56	0.003	0.002	0.034	0.042	0.050	92.063%
2	18:33:39	-0.000	0.002	0.021	0.022	0.015	91.574%
3	18:34:22	0.004	0.007	-0.001	-0.004	-0.002	91.534%
x		0.002	0.004	0.018	0.020	0.021	91.724%
σ		0.002	0.003	0.017	0.023	0.027	0.295%
%RSD		101.100	82.600	95.610	113.300	127.600	0.321

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:37:14	104.265%	42.610	910.600	966.200	0.000	42640.000	53420.000	56140.000
2	18:37:57	106.097%	43.860	919.600	995.100	0.000	42960.000	54220.000	56680.000
3	18:38:40	110.037%	41.550	923.800	982.900	0.000	42500.000	53970.000	56430.000
x		106.800%	42.670	918.000	981.400	0.000	42700.000	53870.000	56420.000
σ		2.949%	1.154	6.733	14.540	0.000	237.200	408.900	266.900
%RSD		2.762	2.703	0.734	1.482	0.000	0.555	0.759	0.473

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:37:14	2150.000	9522.000	0.000	45140.000	47620.000	48540.000	88.358%	1002.000
2	18:37:57	2167.000	9622.000	0.000	45530.000	48480.000	49610.000	90.899%	1004.000
3	18:38:40	2164.000	9559.000	0.000	45290.000	48190.000	49800.000	91.804%	1021.000
x		2160.000	9567.000	0.000	45320.000	48100.000	49320.000	90.354%	1009.000
σ		8.903	50.480	0.000	196.200	436.200	680.700	1.787%	10.850
%RSD		0.412	0.528	0.000	0.433	0.907	1.380	1.977	1.075

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:37:14	503.900	201.200	522.200	1044.000	1160.000	450.000	433.900	217.200
2	18:37:57	503.900	205.000	524.800	1043.000	1163.000	451.300	433.100	216.200
3	18:38:40	504.800	205.500	523.800	1047.000	1161.000	444.700	429.600	214.200
x		504.200	203.900	523.600	1045.000	1161.000	448.700	432.200	215.900
σ		0.497	2.345	1.309	1.697	1.421	3.492	2.283	1.547
%RSD		0.099	1.150	0.250	0.163	0.122	0.778	0.528	0.717

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:37:14	215.900	464.600	457.100	36.190	5.521	5.855	0.000	1001.000
2	18:37:57	214.600	457.500	451.700	35.430	5.145	7.789	0.000	1001.000
3	18:38:40	215.300	458.700	450.500	36.870	5.722	6.526	0.000	997.000
x		215.300	460.200	453.100	36.160	5.463	6.723	0.000	999.900
σ		0.667	3.804	3.505	0.719	0.293	0.982	0.000	2.468
%RSD		0.310	0.827	0.774	1.989	5.370	14.610	0.000	0.247

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:37:14	87.279%	1019.000	1030.000	80.050%	49.660	48.880	51.070	45.730
2	18:37:57	90.134%	1017.000	1035.000	82.569%	49.890	48.640	51.490	46.180
3	18:38:40	91.496%	1033.000	1044.000	83.730%	49.990	48.200	51.210	45.270
x		89.636%	1023.000	1036.000	82.117%	49.850	48.570	51.260	45.730
σ		2.152%	8.720	7.271	1.881%	0.171	0.349	0.211	0.452
%RSD		2.401	0.853	0.702	2.291	0.343	0.718	0.411	0.989

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:37:14	85.426%	2020.000	517.000	520.100	1951.000	1984.000	94.625%	95.486%
2	18:37:57	88.069%	2016.000	510.200	513.400	1934.000	1983.000	96.943%	97.395%
3	18:38:40	88.797%	2024.000	513.500	520.800	1951.000	1989.000	98.255%	97.577%
x		87.431%	2020.000	513.500	518.100	1945.000	1985.000	96.608%	96.819%
σ		1.774%	3.792	3.400	4.066	9.964	2.997	1.838%	1.158%
%RSD		2.029	0.188	0.662	0.785	0.512	0.151	1.903	1.196

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:37:14	51.810	52.620	21.140	21.420	21.220	89.459%
2	18:37:57	52.130	52.940	21.260	21.250	21.390	91.731%
3	18:38:40	52.100	52.620	21.160	21.400	21.190	92.932%
x		52.010	52.720	21.190	21.360	21.270	91.374%
σ		0.178	0.184	0.063	0.090	0.109	1.764%
%RSD		0.342	0.349	0.298	0.420	0.512	1.931

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:11	104.370%	0.007	80.680	88.640	0.000	21660.000	9146.000	9540.000
2	18:45:54	107.339%	0.028	84.210	90.100	0.000	21440.000	9154.000	9590.000
3	18:46:37	109.022%	-0.015	79.500	88.260	0.000	21510.000	9255.000	9647.000
x		106.910%	0.006	81.470	89.000	0.000	21530.000	9185.000	9592.000
σ		2.356%	0.021	2.449	0.974	0.000	112.300	60.840	53.150
%RSD		2.203	328.800	3.007	1.094	0.000	0.521	0.662	0.554

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:11	119.000	5962.000	0.000	4055.000	49890.000	51100.000	89.613%	3.878
2	18:45:54	117.100	5910.000	0.000	4055.000	51140.000	51650.000	90.422%	3.877
3	18:46:37	118.100	6047.000	0.000	4049.000	48420.000	51800.000	90.919%	4.686
x		118.100	5973.000	0.000	4053.000	49820.000	51520.000	90.318%	4.147
σ		0.950	69.620	0.000	3.365	1362.000	365.300	0.659%	0.467
%RSD		0.804	1.166	0.000	0.083	2.734	0.709	0.730	11.260

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:11	1.907	4.755	349.900	764.200	887.900	0.334	0.670	2.128
2	18:45:54	2.951	4.641	354.000	763.000	874.800	0.329	0.585	2.292
3	18:46:37	2.059	4.692	353.200	765.900	870.000	0.301	1.025	2.407
x		2.306	4.696	352.400	764.400	877.600	0.321	0.760	2.276
σ		0.564	0.057	2.207	1.463	9.271	0.018	0.233	0.140
%RSD		24.470	1.214	0.626	0.192	1.056	5.579	30.700	6.163

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:11	2.105	6.487	6.077	-1.637	-4.309	-3.989	0.000	157.600
2	18:45:54	2.359	6.694	7.290	0.567	-4.826	-3.341	0.000	160.200
3	18:46:37	2.236	6.471	6.593	0.397	-5.308	-2.530	0.000	156.900
x		2.233	6.551	6.653	-0.224	-4.814	-3.287	0.000	158.200
σ		0.127	0.125	0.609	1.226	0.500	0.731	0.000	1.735
%RSD		5.674	1.900	9.154	546.600	10.370	22.240	0.000	1.097

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:11	88.872%	3.513	3.523	82.423%	0.008	-0.002	-0.099	-0.069
2	18:45:54	89.819%	2.907	2.853	83.177%	0.011	0.001	-0.059	-0.078
3	18:46:37	90.734%	2.547	2.565	83.809%	0.002	0.012	-0.010	0.010
x		89.809%	2.989	2.980	83.136%	0.007	0.004	-0.056	-0.046
σ		0.931%	0.488	0.492	0.694%	0.005	0.007	0.045	0.048
%RSD		1.037	16.330	16.500	0.835	68.180	199.000	79.480	106.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:11	88.019%	5.669	0.476	0.585	43.590	44.170	96.750%	97.375%
2	18:45:54	89.717%	4.010	0.510	0.506	43.520	44.830	97.371%	98.489%
3	18:46:37	90.102%	3.167	0.475	0.420	43.310	44.080	99.095%	99.610%
x		89.279%	4.282	0.487	0.504	43.470	44.360	97.739%	98.491%
σ		1.108%	1.273	0.020	0.083	0.149	0.406	1.215%	1.117%
%RSD		1.242	29.730	4.086	16.410	0.343	0.914	1.243	1.134

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:11	0.127	0.125	2.280	2.339	2.294	93.536%
2	18:45:54	0.099	0.108	2.293	2.444	2.324	95.624%
3	18:46:37	0.090	0.097	2.375	2.353	2.328	95.961%
x		0.105	0.110	2.316	2.379	2.315	95.040%
σ		0.019	0.014	0.052	0.057	0.019	1.314%
%RSD		18.390	13.050	2.229	2.378	0.810	1.382

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:29	102.494%	0.030	82.630	85.170	0.000	22900.000	8872.000	9315.000
2	18:50:12	104.978%	0.051	76.000	84.560	0.000	22720.000	8984.000	9392.000
3	18:50:55	106.354%	0.028	79.600	84.570	0.000	22040.000	8903.000	9251.000
x		104.609%	0.036	79.410	84.770	0.000	22550.000	8920.000	9319.000
σ		1.956%	0.013	3.322	0.351	0.000	453.100	58.130	70.370
%RSD		1.870	34.700	4.183	0.414	0.000	2.009	0.652	0.755

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:29	658.200	6141.000	0.000	4087.000	46600.000	48650.000	87.116%	11.440
2	18:50:12	665.200	6132.000	0.000	4067.000	47380.000	49010.000	87.962%	12.930
3	18:50:55	658.800	6048.000	0.000	4002.000	46990.000	48610.000	89.338%	12.070
x		660.700	6107.000	0.000	4052.000	46990.000	48750.000	88.139%	12.140
σ		3.908	51.290	0.000	44.580	388.400	219.800	1.121%	0.749
%RSD		0.591	0.840	0.000	1.100	0.827	0.451	1.272	6.171

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:29	3.670	5.819	511.800	2952.000	2973.000	0.829	1.600	5.198
2	18:50:12	2.868	6.212	512.000	2944.000	2944.000	0.751	1.878	5.273
3	18:50:55	5.002	5.907	507.700	2893.000	2919.000	0.729	1.842	5.158
x		3.847	5.979	510.500	2930.000	2945.000	0.769	1.773	5.210
σ		1.078	0.206	2.455	31.900	27.250	0.052	0.152	0.058
%RSD		28.020	3.449	0.481	1.089	0.925	6.817	8.544	1.115

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:29	5.344	29.220	29.400	2.563	-4.120	-5.246	0.000	149.000
2	18:50:12	5.526	28.620	28.310	-0.883	-5.018	-5.380	0.000	149.200
3	18:50:55	5.243	28.050	27.810	3.209	-5.016	-4.045	0.000	149.000
x		5.371	28.630	28.500	1.630	-4.718	-4.890	0.000	149.100
σ		0.144	0.587	0.812	2.200	0.518	0.735	0.000	0.109
%RSD		2.674	2.051	2.850	135.000	10.980	15.030	0.000	0.073

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:29	87.613%	1.411	1.462	81.262%	0.007	0.013	-0.114	-0.021
2	18:50:12	88.974%	1.343	1.429	81.761%	0.010	0.011	0.015	0.015
3	18:50:55	89.853%	1.227	1.313	82.332%	0.016	0.009	-0.043	-0.018
x		88.813%	1.327	1.401	81.785%	0.011	0.011	-0.047	-0.008
σ		1.129%	0.093	0.078	0.535%	0.005	0.002	0.064	0.020
%RSD		1.271	7.027	5.564	0.654	41.570	16.610	136.100	247.100

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:29	86.436%	2.367	0.440	0.415	52.010	52.080	95.838%	96.983%
2	18:50:12	87.744%	2.014	0.388	0.407	50.720	52.170	96.526%	98.107%
3	18:50:55	88.854%	1.843	0.381	0.364	50.660	51.440	98.618%	99.639%
x		87.678%	2.074	0.403	0.396	51.130	51.900	96.994%	98.243%
σ		1.210%	0.267	0.032	0.027	0.760	0.397	1.448%	1.333%
%RSD		1.380	12.880	8.017	6.907	1.487	0.764	1.493	1.357

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:29	0.036	0.045	13.580	13.640	13.620	91.060%
2	18:50:12	0.059	0.054	13.390	13.380	13.250	93.823%
3	18:50:55	0.033	0.044	13.380	13.370	13.320	95.273%
x		0.042	0.048	13.450	13.460	13.400	93.385%
σ		0.014	0.006	0.111	0.152	0.195	2.140%
%RSD		33.050	11.740	0.827	1.129	1.458	2.292

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:53:49	106.818%	0.028	80.580	82.750	0.000	22840.000	8931.000	9355.000
2	18:54:31	108.802%	0.006	82.140	86.350	0.000	22510.000	9005.000	9314.000
3	18:55:15	107.536%	0.049	80.560	84.160	0.000	22600.000	9081.000	9505.000
x		107.719%	0.028	81.090	84.420	0.000	22650.000	9006.000	9391.000
σ		1.005%	0.021	0.907	1.811	0.000	171.200	75.290	100.500
%RSD		0.933	77.580	1.118	2.146	0.000	0.756	0.836	1.070

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:53:49	534.500	6067.000	0.000	4042.000	47560.000	49410.000	89.151%	9.468
2	18:54:31	531.000	6051.000	0.000	4067.000	47420.000	49600.000	89.815%	10.750
3	18:55:15	539.900	6075.000	0.000	4087.000	47390.000	50280.000	90.153%	10.670
x		535.100	6064.000	0.000	4065.000	47460.000	49760.000	89.706%	10.300
σ		4.454	12.060	0.000	22.740	88.910	458.500	0.510%	0.720
%RSD		0.832	0.199	0.000	0.559	0.187	0.921	0.568	6.989

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:53:49	3.412	5.339	462.200	2470.000	2467.000	0.675	1.097	4.152
2	18:54:31	2.180	5.518	464.600	2482.000	2475.000	0.577	1.394	4.199
3	18:55:15	2.622	5.582	465.400	2470.000	2471.000	0.619	1.151	4.234
x		2.738	5.480	464.100	2474.000	2471.000	0.624	1.214	4.195
σ		0.624	0.126	1.617	6.805	4.315	0.049	0.158	0.041
%RSD		22.790	2.298	0.348	0.275	0.175	7.873	13.030	0.977

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:53:49	4.506	20.650	21.230	3.184	-5.645	-3.835	0.000	151.100
2	18:54:31	4.479	20.620	20.040	2.669	-5.479	-3.892	0.000	151.800
3	18:55:15	4.302	20.570	20.350	2.502	-5.822	-3.415	0.000	152.700
x		4.429	20.610	20.540	2.785	-5.649	-3.714	0.000	151.900
σ		0.111	0.038	0.618	0.355	0.172	0.260	0.000	0.802
%RSD		2.508	0.184	3.010	12.760	3.043	7.008	0.000	0.528

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:53:49	90.198%	1.153	1.226	82.106%	0.005	0.001	-0.057	0.021
2	18:54:31	90.790%	1.244	1.329	82.531%	0.007	0.009	0.018	0.001
3	18:55:15	91.199%	1.281	1.317	82.785%	0.010	0.004	0.144	0.070
x		90.729%	1.226	1.291	82.474%	0.007	0.005	0.035	0.030
σ		0.503%	0.066	0.056	0.343%	0.002	0.004	0.101	0.035
%RSD		0.555	5.366	4.375	0.416	31.810	81.310	290.000	115.900

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:53:49	88.363%	1.880	0.436	0.442	49.700	49.850	98.703%	99.629%
2	18:54:31	90.387%	1.743	0.352	0.358	47.570	50.070	99.672%	100.167%
3	18:55:15	90.208%	1.582	0.406	0.412	49.560	49.940	100.609%	101.140%
x		89.653%	1.735	0.398	0.404	48.940	49.950	99.661%	100.312%
σ		1.120%	0.149	0.042	0.042	1.192	0.107	0.953%	0.766%
%RSD		1.250	8.579	10.650	10.510	2.435	0.215	0.956	0.764

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:53:49	0.022	0.042	9.685	9.701	9.605	95.864%
2	18:54:31	0.023	0.029	9.619	9.513	9.508	97.472%
3	18:55:15	0.009	0.040	9.610	9.663	9.552	97.911%
x		0.018	0.037	9.638	9.626	9.555	97.082%
σ		0.008	0.007	0.041	0.099	0.049	1.078%
%RSD		43.370	18.180	0.429	1.033	0.509	1.110

CCV 586960 10/9/2012 7:00:20 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:03	78.501%	98.090	96.040	98.740	0.000	46620.000	52230.000	53730.000
2	19:01:46	81.510%	93.410	106.500	102.400	0.000	44990.000	51630.000	53650.000
3	19:02:29	80.960%	93.600	95.960	101.100	0.000	45830.000	51780.000	53740.000
x		80.324%	95.033%	99.515%	100.772%	0.000	91.624%	103.753%	107.412%
σ		1.602%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.994	2.790	6.121	1.858	0.000	1.777	0.601	0.090

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:03	532.600	5071.000	0.000	47510.000	48020.000	47850.000	77.718%	99.600
2	19:01:46	522.400	5069.000	0.000	47700.000	48160.000	48240.000	78.380%	100.400
3	19:02:29	530.800	5071.000	0.000	47540.000	47530.000	47970.000	79.908%	100.400
x		105.726%	101.401%	0.000	95.171%	95.808%	96.039%	78.669%	100.115%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.123%	n/a
%RSD		1.028	0.025	0.000	0.216	0.690	0.419	1.428	0.443

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:03	96.960	98.950	518.100	25860.000	25160.000	96.000	91.450	93.610
2	19:01:46	98.690	99.360	518.500	25950.000	25290.000	95.920	91.520	92.620
3	19:02:29	98.310	99.310	517.200	25830.000	25150.000	94.880	92.220	92.700
x		97.988%	99.208%	103.587%	103.519%	100.796%	95.601%	91.730%	92.976%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.927	0.223	0.137	0.244	0.307	0.655	0.463	0.591

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:03	93.970	100.500	97.970	96.810	93.310	102.700	0.000	102.400
2	19:01:46	89.820	100.100	98.080	95.020	95.270	100.100	0.000	102.800
3	19:02:29	93.070	100.400	98.940	96.150	95.130	98.650	0.000	102.800
x		92.284%	100.346%	98.330%	95.992%	94.572%	100.492%	0.000	102.662%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		2.367	0.222	0.539	0.944	1.159	2.035	0.000	0.225

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:03	77.171%	97.310	99.090	78.004%	96.970	96.820	99.200	98.910
2	19:01:46	78.772%	101.900	101.700	79.316%	97.570	97.140	98.140	98.850
3	19:02:29	79.536%	103.300	104.200	78.824%	98.540	96.900	100.400	97.500
x		78.493%	100.823%	101.671%	78.715%	97.695%	96.955%	99.247%	98.418%
σ		1.207%	n/a	n/a	0.663%	n/a	n/a	n/a	n/a
%RSD		1.537	3.100	2.519	0.842	0.813	0.172	1.135	0.809

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:03	81.628%	97.410	99.210	99.640	95.320	96.280	89.079%	90.882%
2	19:01:46	82.994%	98.860	100.000	100.300	93.320	95.960	91.412%	92.189%
3	19:02:29	85.253%	97.530	98.500	100.200	95.270	96.330	92.667%	93.039%
x		83.292%	97.932%	99.237%	100.038%	94.635%	96.192%	91.053%	92.037%
σ		1.831%	n/a	n/a	n/a	n/a	n/a	1.821%	1.086%
%RSD		2.198	0.822	0.758	0.347	1.203	0.211	2.000	1.180

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:03	97.760	98.830	99.360	98.600	98.800	92.665%
2	19:01:46	99.510	100.400	99.830	100.500	100.200	92.566%
3	19:02:29	99.930	101.000	100.700	100.700	100.400	93.532%
x		99.067%	100.077%	99.978%	99.944%	99.813%	92.921%
σ		n/a	n/a	n/a	n/a	n/a	0.531%
%RSD		1.162	1.118	0.703	1.166	0.884	0.572

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:08:20	92.905%	-0.015	0.563	0.639	0.000	61.000	3.682	3.512
2	19:09:03	92.220%	0.010	0.305	0.325	0.000	58.670	2.356	3.044
3	19:09:46	92.257%	-0.015	0.039	0.148	0.000	57.310	3.548	3.208
x		92.461%	-0.007	0.302	0.371	0.000	58.990	3.195	3.255
σ		0.385%	0.014	0.262	0.249	0.000	1.863	0.730	0.237
%RSD		0.416	209.900	86.530	67.220	0.000	3.158	22.850	7.289

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:08:20	-0.287	3.677	0.000	-4.518	23.580	9.725	80.928%	-0.071
2	19:09:03	-0.103	3.247	0.000	-5.234	15.390	6.211	82.033%	-0.234
3	19:09:46	-0.480	2.451	0.000	-9.101	3.618	5.972	82.915%	-0.116
x		-0.290	3.125	0.000	-6.285	14.200	7.303	81.959%	-0.140
σ		0.189	0.622	0.000	2.465	10.030	2.101	0.995%	0.084
%RSD		65.050	19.900	0.000	39.230	70.680	28.770	1.214	60.000

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:08:20	0.146	-0.004	0.023	20.170	26.060	-0.002	-0.406	-0.064
2	19:09:03	0.090	0.011	0.021	10.910	17.120	0.005	-0.498	0.011
3	19:09:46	0.078	-0.026	0.029	6.040	10.310	-0.007	-0.649	-0.014
x		0.104	-0.006	0.024	12.370	17.830	-0.001	-0.518	-0.022
σ		0.036	0.019	0.004	7.180	7.897	0.006	0.122	0.038
%RSD		34.920	288.000	16.240	58.030	44.290	564.000	23.630	170.200

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:08:20	-0.002	-0.290	-0.216	0.333	-2.641	0.088	0.000	0.017
2	19:09:03	-0.024	-0.319	-0.268	0.210	-2.799	0.134	0.000	0.031
3	19:09:46	-0.012	-0.215	-0.155	-0.487	-2.644	-2.682	0.000	0.012
x		-0.013	-0.275	-0.213	0.019	-2.694	-0.820	0.000	0.020
σ		0.011	0.054	0.056	0.443	0.090	1.612	0.000	0.010
%RSD		87.860	19.660	26.480	2365.000	3.352	196.600	0.000	48.890

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:08:20	84.607%	0.671	0.744	84.113%	0.003	0.006	0.017	-0.013
2	19:09:03	85.723%	0.479	0.533	84.673%	0.010	0.003	0.114	0.055
3	19:09:46	85.987%	0.365	0.481	85.630%	0.008	0.001	0.059	0.037
x		85.439%	0.505	0.586	84.805%	0.007	0.003	0.063	0.026
σ		0.732%	0.155	0.139	0.767%	0.003	0.003	0.048	0.035
%RSD		0.857	30.600	23.780	0.905	45.130	78.290	76.290	133.100

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:08:20	86.888%	0.047	0.060	0.057	-0.003	-0.008	92.546%	93.384%
2	19:09:03	87.628%	-0.058	0.072	0.037	-0.024	-0.020	94.114%	94.646%
3	19:09:46	87.888%	-0.133	0.049	0.047	-0.004	-0.025	94.919%	95.109%
x		87.468%	-0.048	0.061	0.047	-0.010	-0.018	93.860%	94.380%
σ		0.519%	0.090	0.012	0.010	0.011	0.009	1.207%	0.893%
%RSD		0.593	189.000	19.060	20.680	109.800	50.120	1.286	0.946

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:08:20	0.017	0.022	0.100	0.101	0.102	96.154%
2	19:09:03	0.016	0.020	0.020	0.031	0.027	96.568%
3	19:09:46	0.006	0.017	0.009	0.016	0.010	97.790%
x		0.013	0.020	0.043	0.049	0.046	96.837%
σ		0.006	0.003	0.050	0.046	0.049	0.851%
%RSD		49.720	14.450	115.600	92.590	105.400	0.879

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:12:42	103.990%	0.051	39.590	41.020	0.000	9231.000	5899.000	6178.000
2	19:13:25	107.631%	0.049	36.920	39.640	0.000	9111.000	5963.000	6270.000
3	19:14:09	110.597%	0.048	35.380	40.740	0.000	9093.000	5980.000	6228.000
x		107.406%	0.049	37.300	40.470	0.000	9145.000	5947.000	6226.000
σ		3.309%	0.002	2.132	0.726	0.000	75.440	42.770	46.090
%RSD		3.081	3.893	5.716	1.795	0.000	0.825	0.719	0.740

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:12:42	1051.000	4301.000	0.000	2772.000	26130.000	26690.000	83.739%	18.630
2	19:13:25	1054.000	4291.000	0.000	2751.000	25920.000	26960.000	85.383%	17.060
3	19:14:09	1060.000	4260.000	0.000	2717.000	25990.000	26960.000	87.075%	17.860
x		1055.000	4284.000	0.000	2747.000	26010.000	26870.000	85.399%	17.850
σ		4.665	21.310	0.000	28.060	101.700	156.900	1.668%	0.783
%RSD		0.442	0.497	0.000	1.022	0.391	0.584	1.953	4.384

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:12:42	3.962	4.331	444.500	4994.000	4885.000	1.036	2.862	7.334
2	19:13:25	3.971	4.604	442.200	4932.000	4846.000	1.144	2.179	7.709
3	19:14:09	2.791	4.622	444.100	4958.000	4850.000	0.984	2.135	7.069
x		3.575	4.519	443.600	4962.000	4860.000	1.055	2.392	7.371
σ		0.679	0.163	1.220	30.780	21.540	0.081	0.408	0.322
%RSD		18.990	3.609	0.275	0.620	0.443	7.706	17.040	4.363

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:12:42	7.160	24.030	24.930	0.656	-4.150	-5.954	0.000	76.650
2	19:13:25	7.263	24.420	24.360	2.980	-5.054	-2.912	0.000	77.270
3	19:14:09	7.361	24.100	24.390	1.949	-5.603	-3.647	0.000	77.860
x		7.261	24.180	24.560	1.862	-4.936	-4.171	0.000	77.260
σ		0.100	0.209	0.324	1.164	0.734	1.587	0.000	0.602
%RSD		1.383	0.864	1.318	62.540	14.870	38.060	0.000	0.779

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:12:42	84.200%	0.951	1.017	78.973%	0.019	0.017	0.001	0.063
2	19:13:25	86.523%	0.871	1.001	80.106%	0.017	0.013	0.026	0.064
3	19:14:09	87.989%	0.704	0.842	81.113%	0.015	0.021	-0.022	0.013
x		86.238%	0.842	0.953	80.064%	0.017	0.017	0.002	0.047
σ		1.911%	0.126	0.097	1.070%	0.002	0.004	0.024	0.029
%RSD		2.215	14.980	10.130	1.337	12.090	23.700	1394.000	63.030

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:12:42	83.779%	1.955	0.473	0.560	34.780	34.850	92.398%	93.880%
2	19:13:25	86.673%	1.688	0.532	0.528	33.940	35.510	95.211%	96.060%
3	19:14:09	86.527%	1.506	0.456	0.475	35.040	35.520	96.711%	98.086%
x		85.660%	1.716	0.487	0.521	34.580	35.290	94.773%	96.009%
σ		1.630%	0.226	0.040	0.043	0.575	0.383	2.190%	2.103%
%RSD		1.903	13.150	8.182	8.220	1.662	1.085	2.310	2.191

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:12:42	0.159	0.173	10.810	11.200	10.910	90.678%
2	19:13:25	0.120	0.129	10.840	10.980	10.820	93.143%
3	19:14:09	0.095	0.101	10.990	10.800	10.840	94.204%
x		0.124	0.134	10.880	10.990	10.860	92.675%
σ		0.032	0.036	0.095	0.198	0.051	1.809%
%RSD		25.790	27.050	0.873	1.804	0.466	1.952

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:17:04	95.487%	-0.015	6.481	8.716	0.000	1857.000	1101.000	1183.000
2	19:17:47	92.775%	0.010	8.522	8.538	0.000	1877.000	1144.000	1203.000
3	19:18:31	93.648%	0.009	7.000	7.941	0.000	1837.000	1158.000	1199.000
x		93.970%	0.001	7.334	8.398	0.000	1857.000	1134.000	1195.000
σ		1.385%	0.014	1.061	0.406	0.000	19.890	29.730	10.960
%RSD		1.473	1039.000	14.460	4.831	0.000	1.071	2.622	0.917

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:17:04	205.100	837.600	0.000	551.100	5474.000	5270.000	77.116%	3.304
2	19:17:47	211.000	847.300	0.000	552.400	4943.000	5308.000	77.361%	2.996
3	19:18:31	202.800	838.100	0.000	546.400	5040.000	5219.000	77.287%	2.574
x		206.300	841.000	0.000	550.000	5152.000	5265.000	77.255%	2.958
σ		4.204	5.418	0.000	3.153	282.300	44.690	0.126%	0.366
%RSD		2.038	0.644	0.000	0.573	5.479	0.849	0.163	12.380

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:17:04	-0.351	0.973	88.760	989.000	978.100	0.226	0.104	1.495
2	19:17:47	1.189	0.805	88.100	981.900	958.000	0.252	0.124	1.650
3	19:18:31	1.296	0.952	87.310	979.700	985.200	0.202	0.056	1.475
x		0.711	0.910	88.060	983.500	973.700	0.227	0.094	1.540
σ		0.922	0.091	0.724	4.898	14.130	0.025	0.035	0.096
%RSD		129.500	10.060	0.822	0.498	1.452	11.080	37.040	6.207

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:17:04	1.704	5.047	4.385	0.620	-4.674	-2.376	0.000	14.850
2	19:17:47	1.576	5.497	5.250	0.358	-4.766	-1.022	0.000	14.910
3	19:18:31	1.692	5.279	4.748	0.065	-4.176	-1.961	0.000	15.030
x		1.658	5.274	4.794	0.347	-4.538	-1.786	0.000	14.930
σ		0.070	0.225	0.434	0.277	0.317	0.694	0.000	0.091
%RSD		4.252	4.267	9.055	79.820	6.994	38.850	0.000	0.609

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:17:04	80.888%	0.312	0.354	77.356%	-0.000	-0.003	-0.083	-0.043
2	19:17:47	80.743%	0.221	0.337	77.435%	0.003	0.002	-0.029	-0.025
3	19:18:31	80.532%	0.335	0.330	77.666%	-0.004	0.005	-0.088	-0.063
x		80.721%	0.289	0.340	77.486%	-0.000	0.001	-0.066	-0.044
σ		0.179%	0.060	0.012	0.161%	0.003	0.004	0.033	0.019
%RSD		0.222	20.760	3.659	0.207	1147.000	312.900	49.330	42.850

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:17:04	82.741%	0.048	0.061	0.094	6.764	6.999	90.500%	90.997%
2	19:17:47	82.732%	-0.090	0.085	0.083	6.594	6.721	90.376%	91.529%
3	19:18:31	82.702%	-0.066	0.073	0.085	6.825	6.951	89.948%	91.228%
x		82.725%	-0.036	0.073	0.087	6.727	6.890	90.275%	91.251%
σ		0.020%	0.074	0.012	0.006	0.120	0.149	0.289%	0.267%
%RSD		0.025	204.400	16.510	6.617	1.781	2.159	0.320	0.292

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:17:04	0.006	0.014	2.167	2.034	2.098	90.058%
2	19:17:47	0.015	0.022	2.143	2.074	2.105	90.343%
3	19:18:31	0.006	0.016	2.111	2.125	2.083	90.538%
x		0.009	0.017	2.140	2.078	2.095	90.313%
σ		0.005	0.004	0.028	0.046	0.011	0.241%
%RSD		56.560	25.020	1.305	2.202	0.544	0.267

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:21:25	97.793%	43.560	966.700	1039.000	0.000	51900.000	59470.000	62510.000
2	19:22:08	100.703%	42.440	968.600	1038.000	0.000	51410.000	59880.000	63010.000
3	19:22:51	100.735%	41.680	981.500	1058.000	0.000	52110.000	60960.000	63820.000
x		99.744%	42.560	972.300	1045.000	0.000	51800.000	60100.000	63110.000
σ		1.689%	0.946	8.039	11.500	0.000	359.400	774.000	660.400
%RSD		1.694	2.223	0.827	1.101	0.000	0.694	1.288	1.046

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:21:25	3962.000	14780.000	0.000	47790.000	73220.000	75220.000	85.268%	996.600
2	19:22:08	4118.000	14720.000	0.000	47470.000	72170.000	74340.000	88.156%	996.500
3	19:22:51	4163.000	14820.000	0.000	47700.000	73060.000	75780.000	89.406%	1003.000
x		4081.000	14770.000	0.000	47650.000	72820.000	75110.000	87.610%	998.600
σ		105.200	50.320	0.000	164.500	565.000	725.000	2.122%	3.528
%RSD		2.577	0.341	0.000	0.345	0.776	0.965	2.422	0.353

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:21:25	493.500	199.400	934.400	6811.000	6763.000	439.100	419.000	214.600
2	19:22:08	495.400	199.200	935.300	6826.000	6761.000	435.500	419.200	212.200
3	19:22:51	495.800	199.600	928.600	6824.000	6702.000	432.000	415.200	212.200
x		494.900	199.400	932.800	6820.000	6742.000	435.500	417.800	213.000
σ		1.247	0.175	3.658	7.904	34.420	3.550	2.246	1.372
%RSD		0.252	0.088	0.392	0.116	0.510	0.815	0.538	0.644

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:21:25	216.200	469.800	466.200	35.890	4.550	5.094	0.000	1047.000
2	19:22:08	213.700	468.900	457.800	36.440	4.405	5.622	0.000	1043.000
3	19:22:51	211.800	464.800	457.600	37.000	4.463	5.748	0.000	1052.000
x		213.900	467.800	460.500	36.440	4.473	5.488	0.000	1047.000
σ		2.171	2.671	4.920	0.555	0.073	0.347	0.000	4.547
%RSD		1.015	0.571	1.068	1.524	1.634	6.321	0.000	0.434

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:21:25	85.653%	1000.000	1019.000	78.260%	48.330	47.680	49.110	44.400
2	19:22:08	88.764%	1009.000	1014.000	79.939%	48.600	47.730	48.940	44.410
3	19:22:51	90.177%	1009.000	1024.000	81.363%	48.710	48.740	49.910	45.490
x		88.198%	1006.000	1019.000	79.854%	48.540	48.050	49.320	44.770
σ		2.314%	4.916	5.235	1.553%	0.196	0.600	0.520	0.623
%RSD		2.624	0.489	0.514	1.945	0.404	1.248	1.054	1.393

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:21:25	84.087%	1981.000	502.400	508.900	1926.000	1967.000	94.107%	95.334%
2	19:22:08	87.486%	1965.000	500.300	505.100	1927.000	1959.000	97.075%	98.125%
3	19:22:51	88.369%	1950.000	499.400	507.300	1936.000	1970.000	98.908%	99.363%
x		86.648%	1966.000	500.700	507.100	1929.000	1965.000	96.697%	97.607%
σ		2.261%	15.550	1.543	1.900	5.607	5.870	2.423%	2.063%
%RSD		2.609	0.791	0.308	0.375	0.291	0.299	2.506	2.114

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:21:25	49.880	50.620	29.870	29.950	29.770	91.693%
2	19:22:08	49.320	50.410	29.470	29.600	29.510	95.794%
3	19:22:51	49.220	50.190	29.720	29.720	29.520	97.345%
x		49.480	50.410	29.690	29.760	29.600	94.944%
σ		0.356	0.213	0.201	0.176	0.151	2.920%
%RSD		0.720	0.423	0.678	0.593	0.509	3.076

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:34:19	98.698%	43.900	984.200	1065.000	0.000	52920.000	60130.000	63140.000
2	19:35:02	103.129%	41.550	984.900	1046.000	0.000	51760.000	60840.000	63800.000
3	19:35:45	104.105%	44.050	967.700	1059.000	0.000	52030.000	61440.000	64230.000
x		101.977%	43.160	978.900	1057.000	0.000	52240.000	60800.000	63720.000
σ		2.881%	1.401	9.750	9.691	0.000	606.900	657.800	546.800
%RSD		2.826	3.245	0.996	0.917	0.000	1.162	1.082	0.858

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:34:19	4139.000	14900.000	0.000	48240.000	73060.000	75070.000	89.354%	1016.000
2	19:35:02	4168.000	14730.000	0.000	47980.000	72180.000	75510.000	91.590%	1024.000
3	19:35:45	4226.000	14870.000	0.000	48080.000	73130.000	75600.000	92.660%	1028.000
x		4178.000	14830.000	0.000	48100.000	72790.000	75400.000	91.201%	1023.000
σ		44.110	91.250	0.000	134.800	526.000	284.400	1.687%	5.971
%RSD		1.056	0.615	0.000	0.280	0.723	0.377	1.850	0.584

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:34:19	496.900	200.700	941.300	6327.000	6254.000	433.400	417.600	214.900
2	19:35:02	497.000	200.700	943.000	6333.000	6257.000	435.300	418.600	216.400
3	19:35:45	499.100	201.100	948.800	6351.000	6257.000	435.100	420.400	213.800
x		497.700	200.800	944.400	6337.000	6256.000	434.600	418.900	215.000
σ		1.207	0.251	3.899	12.860	1.858	1.025	1.458	1.318
%RSD		0.242	0.125	0.413	0.203	0.030	0.236	0.348	0.613

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:34:19	215.500	469.600	465.300	37.760	4.467	5.658	0.000	1059.000
2	19:35:02	213.200	469.700	459.400	36.070	2.759	4.433	0.000	1059.000
3	19:35:45	211.500	472.100	462.700	40.450	4.189	6.598	0.000	1071.000
x		213.400	470.500	462.500	38.090	3.805	5.563	0.000	1063.000
σ		2.049	1.408	2.974	2.211	0.916	1.086	0.000	6.815
%RSD		0.960	0.299	0.643	5.803	24.070	19.510	0.000	0.641

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:34:19	88.688%	1014.000	1029.000	81.154%	49.120	48.010	51.180	45.650
2	19:35:02	91.542%	1018.000	1037.000	83.001%	49.420	47.880	50.320	46.430
3	19:35:45	91.673%	1028.000	1041.000	83.300%	49.320	48.390	51.850	46.450
x		90.635%	1020.000	1036.000	82.485%	49.280	48.090	51.120	46.180
σ		1.687%	6.790	6.280	1.162%	0.153	0.265	0.767	0.453
%RSD		1.861	0.666	0.606	1.409	0.311	0.550	1.501	0.982

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:34:19	87.399%	1987.000	506.700	512.700	1966.000	1986.000	97.685%	98.276%
2	19:35:02	89.656%	1998.000	510.100	516.800	1976.000	2003.000	98.565%	100.895%
3	19:35:45	90.196%	2005.000	513.500	521.000	1980.000	2007.000	100.454%	101.079%
x		89.084%	1996.000	510.100	516.800	1974.000	1999.000	98.901%	100.083%
σ		1.484%	8.884	3.371	4.172	7.297	11.090	1.415%	1.568%
%RSD		1.665	0.445	0.661	0.807	0.370	0.555	1.431	1.567

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:34:19	50.660	51.350	31.160	31.370	30.980	95.696%
2	19:35:02	50.560	51.180	29.940	30.840	30.440	98.722%
3	19:35:45	49.990	51.020	30.800	30.330	30.310	100.227%
x		50.400	51.190	30.630	30.850	30.580	98.215%
σ		0.365	0.165	0.626	0.521	0.357	2.308%
%RSD		0.723	0.323	2.044	1.688	1.168	2.350

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:42:15	111.287%	0.047	48.870	49.400	0.000	13420.000	3708.000	3886.000
2	19:42:58	111.503%	0.047	50.730	54.560	0.000	13490.000	3786.000	3943.000
3	19:43:41	116.159%	0.005	48.160	50.560	0.000	13280.000	3747.000	3958.000
x		112.983%	0.033	49.250	51.500	0.000	13400.000	3747.000	3929.000
σ		2.752%	0.024	1.325	2.705	0.000	110.500	39.200	38.090
%RSD		2.436	73.950	2.690	5.252	0.000	0.825	1.046	0.969

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:42:15	305.100	3320.000	0.000	2848.000	27380.000	28070.000	87.148%	7.285
2	19:42:58	310.900	3342.000	0.000	2822.000	27500.000	28190.000	89.516%	6.823
3	19:43:41	305.000	3311.000	0.000	2795.000	27380.000	28050.000	91.165%	7.234
x		307.000	3324.000	0.000	2822.000	27420.000	28100.000	89.276%	7.114
σ		3.401	15.860	0.000	26.500	70.310	75.020	2.019%	0.253
%RSD		1.108	0.477	0.000	0.939	0.256	0.267	2.261	3.559

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:42:15	4.242	5.801	95.050	859.900	922.300	0.324	0.821	4.743
2	19:42:58	2.382	5.749	94.990	849.500	898.800	0.304	0.563	4.660
3	19:43:41	2.423	5.891	94.880	837.000	887.800	0.347	0.524	5.116
x		3.015	5.814	94.970	848.800	903.000	0.325	0.636	4.840
σ		1.062	0.072	0.088	11.420	17.640	0.022	0.161	0.243
%RSD		35.220	1.232	0.093	1.346	1.953	6.671	25.370	5.022

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:42:15	4.669	16.000	16.890	0.550	-3.898	-3.185	0.000	88.500
2	19:42:58	4.833	16.490	15.840	-0.073	-3.974	-4.680	0.000	89.030
3	19:43:41	4.975	15.770	16.450	-1.426	-5.049	-3.637	0.000	87.830
x		4.826	16.090	16.390	-0.316	-4.307	-3.834	0.000	88.450
σ		0.153	0.370	0.526	1.010	0.643	0.767	0.000	0.603
%RSD		3.175	2.298	3.208	319.500	14.940	20.000	0.000	0.681

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:42:15	86.003%	2.617	2.629	81.688%	0.021	0.011	-0.016	-0.036
2	19:42:58	89.478%	2.146	2.154	83.862%	0.017	0.010	-0.084	-0.033
3	19:43:41	91.737%	1.846	1.815	84.876%	0.005	0.013	-0.098	-0.107
x		89.072%	2.203	2.199	83.475%	0.014	0.012	-0.066	-0.059
σ		2.889%	0.389	0.409	1.629%	0.009	0.001	0.044	0.042
%RSD		3.243	17.650	18.580	1.951	60.440	12.870	65.870	71.880

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:42:15	86.910%	6.174	0.550	0.609	24.620	26.310	94.758%	96.238%
2	19:42:58	89.793%	4.299	0.585	0.618	24.970	26.480	98.749%	99.743%
3	19:43:41	91.097%	3.613	0.534	0.573	25.600	26.570	99.652%	101.063%
x		89.267%	4.696	0.557	0.600	25.060	26.450	97.720%	99.015%
σ		2.143%	1.326	0.026	0.024	0.496	0.133	2.604%	2.493%
%RSD		2.400	28.230	4.651	3.927	1.977	0.504	2.665	2.518

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:42:15	0.113	0.129	6.918	7.034	6.922	94.519%
2	19:42:58	0.097	0.088	6.781	6.950	6.835	98.602%
3	19:43:41	0.078	0.081	6.924	7.040	6.875	100.183%
x		0.096	0.099	6.874	7.008	6.877	97.768%
σ		0.018	0.026	0.081	0.050	0.043	2.923%
%RSD		18.440	26.120	1.172	0.720	0.629	2.989

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:46:33	114.309%	0.025	23.850	27.700	0.000	4815.000	1636.000	1732.000
2	19:47:15	114.299%	0.106	27.070	26.650	0.000	4794.000	1683.000	1744.000
3	19:47:58	113.184%	0.026	24.370	26.410	0.000	4875.000	1670.000	1770.000
x		113.931%	0.052	25.100	26.920	0.000	4828.000	1663.000	1749.000
σ		0.646%	0.047	1.727	0.689	0.000	41.930	24.360	19.360
%RSD		0.567	88.780	6.883	2.558	0.000	0.868	1.465	1.107

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:46:33	898.300	2353.000	0.000	1999.000	15030.000	15500.000	88.811%	15.510
2	19:47:15	905.100	2362.000	0.000	1999.000	15180.000	15600.000	89.777%	16.400
3	19:47:58	912.600	2366.000	0.000	2002.000	15370.000	15710.000	89.400%	16.370
x		905.300	2360.000	0.000	2000.000	15190.000	15600.000	89.329%	16.090
σ		7.118	6.309	0.000	1.503	172.000	103.700	0.487%	0.503
%RSD		0.786	0.267	0.000	0.075	1.132	0.665	0.545	3.123

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:46:33	2.694	7.774	73.400	1513.000	1506.000	0.551	1.439	6.415
2	19:47:15	2.704	8.069	72.180	1500.000	1507.000	0.515	1.637	6.175
3	19:47:58	5.721	8.121	73.340	1509.000	1495.000	0.571	1.392	6.481
x		3.706	7.988	72.980	1507.000	1503.000	0.546	1.489	6.357
σ		1.745	0.187	0.690	6.755	6.822	0.029	0.130	0.161
%RSD		47.070	2.342	0.945	0.448	0.454	5.254	8.729	2.533

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:46:33	6.803	30.590	28.610	0.633	-4.992	-3.243	0.000	46.630
2	19:47:15	6.344	28.620	28.290	1.575	-5.115	-2.591	0.000	46.020
3	19:47:58	6.474	28.410	26.840	2.555	-5.498	-1.839	0.000	45.660
x		6.541	29.210	27.910	1.588	-5.202	-2.558	0.000	46.100
σ		0.237	1.201	0.945	0.961	0.264	0.702	0.000	0.491
%RSD		3.617	4.113	3.384	60.520	5.077	27.460	0.000	1.065

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:46:33	88.904%	1.308	1.570	82.943%	0.015	0.011	0.214	0.236
2	19:47:15	90.314%	1.418	1.381	83.365%	0.008	0.020	0.217	0.250
3	19:47:58	89.828%	1.434	1.333	83.156%	0.010	0.015	0.190	0.321
x		89.682%	1.387	1.428	83.154%	0.011	0.015	0.207	0.269
σ		0.716%	0.068	0.125	0.211%	0.003	0.005	0.015	0.046
%RSD		0.798	4.929	8.775	0.254	31.350	30.270	7.116	17.030

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:46:33	87.738%	2.927	0.599	0.525	19.960	20.240	96.660%	97.759%
2	19:47:15	88.971%	2.703	0.547	0.562	19.670	20.860	98.306%	98.786%
3	19:47:58	89.950%	2.424	0.499	0.578	20.080	20.830	97.556%	98.412%
x		88.886%	2.685	0.549	0.555	19.900	20.650	97.507%	98.319%
σ		1.108%	0.252	0.050	0.027	0.209	0.351	0.824%	0.520%
%RSD		1.247	9.377	9.108	4.865	1.049	1.698	0.845	0.528

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:46:33	0.069	0.068	15.020	15.070	14.860	95.652%
2	19:47:15	0.048	0.080	14.600	14.910	14.740	96.484%
3	19:47:58	0.058	0.071	14.980	14.900	14.880	96.482%
x		0.059	0.073	14.860	14.960	14.830	96.206%
σ		0.011	0.006	0.229	0.100	0.071	0.480%
%RSD		18.030	8.362	1.541	0.665	0.481	0.498

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:50	111.534%	0.006	42.370	46.380	0.000	8304.000	3110.000	3286.000
2	19:51:33	112.544%	0.005	45.170	48.450	0.000	8332.000	3160.000	3327.000
3	19:52:16	114.600%	0.126	41.820	46.610	0.000	8284.000	3138.000	3279.000
x		112.893%	0.046	43.120	47.150	0.000	8307.000	3136.000	3298.000
σ		1.563%	0.070	1.794	1.137	0.000	24.090	24.940	25.870
%RSD		1.384	152.200	4.160	2.411	0.000	0.290	0.795	0.784

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:50	426.000	3582.000	0.000	2590.000	24100.000	25510.000	86.533%	11.170
2	19:51:33	435.800	3607.000	0.000	2558.000	24720.000	25640.000	89.175%	11.020
3	19:52:16	432.100	3584.000	0.000	2501.000	24740.000	25760.000	89.616%	10.560
x		431.300	3591.000	0.000	2549.000	24520.000	25640.000	88.441%	10.920
σ		4.980	14.050	0.000	45.070	363.400	126.100	1.668%	0.322
%RSD		1.155	0.391	0.000	1.768	1.482	0.492	1.886	2.949

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:50	1.762	9.886	52.690	722.400	757.000	0.291	0.861	5.066
2	19:51:33	3.110	9.958	52.540	717.600	756.700	0.354	0.752	5.010
3	19:52:16	0.684	9.670	52.540	714.200	743.800	0.314	0.908	5.473
x		1.852	9.838	52.590	718.100	752.500	0.320	0.840	5.183
σ		1.216	0.150	0.091	4.116	7.563	0.032	0.080	0.253
%RSD		65.620	1.526	0.172	0.573	1.005	10.040	9.514	4.879

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:50	4.743	25.010	24.760	0.542	-4.067	-2.587	0.000	84.020
2	19:51:33	5.050	24.440	23.900	1.085	-4.627	-2.111	0.000	83.690
3	19:52:16	5.375	24.480	23.960	0.360	-5.162	-1.207	0.000	83.480
x		5.056	24.640	24.210	0.663	-4.619	-1.968	0.000	83.730
σ		0.316	0.313	0.481	0.377	0.547	0.701	0.000	0.274
%RSD		6.257	1.271	1.986	56.910	11.850	35.610	0.000	0.328

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:50	86.839%	1.505	1.436	81.114%	0.012	0.011	-0.037	0.006
2	19:51:33	89.401%	1.548	1.274	83.021%	0.007	0.009	-0.024	-0.018
3	19:52:16	90.714%	1.463	1.382	83.670%	0.016	0.018	0.100	0.062
x		88.985%	1.506	1.364	82.602%	0.011	0.013	0.013	0.017
σ		1.971%	0.042	0.083	1.329%	0.005	0.005	0.076	0.041
%RSD		2.215	2.822	6.057	1.609	40.030	37.640	585.800	250.700

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:50	86.875%	2.211	0.667	0.651	21.850	22.070	94.539%	95.570%
2	19:51:33	89.138%	2.508	0.602	0.651	22.080	22.340	98.130%	98.443%
3	19:52:16	90.480%	2.162	0.661	0.673	22.620	21.790	99.075%	99.856%
x		88.831%	2.294	0.643	0.658	22.180	22.070	97.248%	97.956%
σ		1.822%	0.187	0.036	0.013	0.395	0.275	2.393%	2.184%
%RSD		2.051	8.152	5.574	1.980	1.781	1.246	2.461	2.229

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:50	0.033	0.036	6.300	6.335	6.323	94.524%
2	19:51:33	0.017	0.040	6.155	6.232	6.262	98.244%
3	19:52:16	0.018	0.037	6.362	6.359	6.285	100.081%
x		0.023	0.038	6.273	6.308	6.290	97.616%
σ		0.009	0.002	0.106	0.067	0.031	2.831%
%RSD		38.970	5.300	1.694	1.069	0.490	2.900

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:08	112.612%	0.047	112.500	121.400	0.000	7264.000	16300.000	17160.000
2	19:55:51	113.314%	0.026	110.900	123.700	0.000	7271.000	16500.000	17280.000
3	19:56:34	116.285%	0.005	109.100	118.000	0.000	7188.000	16320.000	17170.000
x		114.071%	0.026	110.900	121.000	0.000	7241.000	16370.000	17200.000
σ		1.950%	0.021	1.691	2.915	0.000	45.650	106.600	64.620
%RSD		1.710	81.140	1.526	2.408	0.000	0.630	0.651	0.376

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:08	138.300	4941.000	0.000	1962.000	44490.000	45890.000	86.937%	8.199
2	19:55:51	142.800	4854.000	0.000	1970.000	43820.000	46160.000	88.493%	8.761
3	19:56:34	139.700	4848.000	0.000	1944.000	43870.000	45970.000	89.183%	6.880
x		140.300	4881.000	0.000	1959.000	44060.000	46010.000	88.204%	7.947
σ		2.303	52.340	0.000	13.490	372.500	140.300	1.151%	0.965
%RSD		1.642	1.072	0.000	0.689	0.845	0.305	1.305	12.150

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:08	3.780	4.836	1879.000	17870.000	17170.000	0.264	0.750	0.821
2	19:55:51	4.668	4.522	1885.000	17910.000	17160.000	0.254	0.539	0.768
3	19:56:34	3.636	4.566	1866.000	17740.000	17080.000	0.261	0.985	0.801
x		4.028	4.641	1877.000	17840.000	17140.000	0.260	0.758	0.797
σ		0.559	0.170	9.560	89.770	50.770	0.005	0.223	0.027
%RSD		13.870	3.661	0.509	0.503	0.296	2.064	29.380	3.360

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:08	0.986	11.060	10.980	3.604	-5.253	-6.537	0.000	108.300
2	19:55:51	0.997	10.730	10.620	5.118	-5.660	-5.716	0.000	108.800
3	19:56:34	0.903	11.070	11.070	4.166	-5.764	-4.273	0.000	109.400
x		0.962	10.950	10.890	4.296	-5.559	-5.509	0.000	108.900
σ		0.051	0.193	0.239	0.765	0.270	1.146	0.000	0.541
%RSD		5.352	1.759	2.192	17.810	4.864	20.800	0.000	0.497

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:08	88.889%	0.718	0.715	80.460%	0.001	0.003	-0.114	-0.069
2	19:55:51	89.401%	0.762	0.622	80.752%	0.010	-0.005	-0.026	-0.014
3	19:56:34	90.902%	0.717	0.692	82.304%	0.000	0.001	-0.041	-0.061
x		89.730%	0.732	0.677	81.172%	0.004	-0.000	-0.060	-0.048
σ		1.046%	0.026	0.048	0.991%	0.006	0.004	0.047	0.030
%RSD		1.166	3.502	7.151	1.221	144.400	1681.000	77.900	62.590

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:08	86.098%	2.068	0.125	0.131	105.300	108.300	96.293%	98.384%
2	19:55:51	87.136%	2.015	0.108	0.159	107.300	107.500	98.647%	98.767%
3	19:56:34	88.219%	2.029	0.102	0.096	108.200	108.200	99.252%	99.329%
x		87.151%	2.037	0.112	0.129	107.000	108.000	98.064%	98.827%
σ		1.061%	0.027	0.012	0.032	1.479	0.452	1.563%	0.476%
%RSD		1.217	1.338	10.710	24.750	1.382	0.419	1.594	0.481

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:08	0.012	0.016	0.384	0.364	0.378	96.848%
2	19:55:51	0.010	0.016	0.344	0.320	0.330	98.260%
3	19:56:34	0.017	0.015	0.295	0.304	0.301	98.214%
x		0.013	0.016	0.341	0.329	0.337	97.774%
σ		0.004	0.000	0.044	0.031	0.039	0.802%
%RSD		28.480	2.992	13.010	9.441	11.630	0.821

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:59:26	110.598%	0.006	45.340	52.810	0.000	11790.000	7605.000	7983.000
2	20:00:10	109.855%	0.048	49.190	51.170	0.000	11920.000	7678.000	8074.000
3	20:00:53	110.203%	0.027	49.120	51.470	0.000	11890.000	7721.000	7978.000
x		110.219%	0.027	47.890	51.820	0.000	11870.000	7668.000	8012.000
σ		0.371%	0.021	2.203	0.874	0.000	67.500	58.610	53.780
%RSD		0.337	78.370	4.600	1.686	0.000	0.569	0.764	0.671

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:59:26	735.100	8274.000	0.000	907.600	35180.000	36820.000	85.451%	12.580
2	20:00:10	747.000	8321.000	0.000	911.200	35900.000	37040.000	85.912%	12.740
3	20:00:53	744.700	8304.000	0.000	908.500	35250.000	37060.000	86.495%	13.790
x		742.300	8300.000	0.000	909.100	35450.000	36970.000	85.953%	13.040
σ		6.272	23.790	0.000	1.880	398.500	131.900	0.523%	0.657
%RSD		0.845	0.287	0.000	0.207	1.124	0.357	0.608	5.041

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:59:26	4.516	13.650	2059.000	21960.000	20970.000	1.378	6.733	4.229
2	20:00:10	2.917	13.250	2065.000	21990.000	20900.000	1.295	6.649	4.278
3	20:00:53	3.319	13.270	2067.000	21970.000	20940.000	1.270	7.140	4.266
x		3.584	13.390	2063.000	21970.000	20940.000	1.314	6.841	4.258
σ		0.832	0.227	4.396	15.380	34.280	0.056	0.263	0.026
%RSD		23.210	1.693	0.213	0.070	0.164	4.274	3.839	0.601

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:59:26	3.872	11.440	11.280	8.143	-5.809	-4.362	0.000	116.200
2	20:00:10	4.361	10.710	10.840	6.769	-5.266	-4.526	0.000	115.500
3	20:00:53	4.132	11.200	10.590	8.728	-5.395	-2.918	0.000	116.200
x		4.122	11.120	10.900	7.880	-5.490	-3.935	0.000	116.000
σ		0.244	0.373	0.348	1.005	0.284	0.885	0.000	0.416
%RSD		5.926	3.355	3.195	12.760	5.165	22.490	0.000	0.359

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:59:26	86.825%	1.944	1.967	78.607%	-0.002	0.002	-0.019	-0.012
2	20:00:10	88.411%	2.002	2.047	80.269%	0.014	0.003	-0.129	-0.117
3	20:00:53	88.830%	2.003	1.849	81.165%	-0.006	0.010	-0.105	-0.056
x		88.022%	1.983	1.955	80.014%	0.002	0.005	-0.084	-0.062
σ		1.058%	0.034	0.099	1.298%	0.010	0.004	0.058	0.053
%RSD		1.202	1.690	5.085	1.622	537.700	88.200	68.300	86.410

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:59:26	85.678%	1.746	0.126	0.172	84.890	87.580	94.618%	95.622%
2	20:00:10	86.819%	1.827	0.111	0.125	87.670	86.840	96.463%	97.204%
3	20:00:53	86.714%	1.693	0.178	0.158	84.450	86.880	97.829%	98.785%
x		86.404%	1.755	0.138	0.152	85.670	87.100	96.303%	97.204%
σ		0.630%	0.067	0.035	0.024	1.747	0.414	1.611%	1.581%
%RSD		0.729	3.835	25.450	15.810	2.039	0.475	1.673	1.627

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:59:26	0.013	0.027	3.172	3.235	3.176	94.055%
2	20:00:10	0.004	0.021	3.319	3.253	3.195	95.350%
3	20:00:53	0.008	0.022	3.120	3.093	3.132	96.948%
x		0.009	0.023	3.204	3.193	3.168	95.451%
σ		0.004	0.003	0.103	0.088	0.032	1.449%
%RSD		51.800	12.620	3.224	2.741	1.025	1.518

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:46	111.238%	0.026	40.860	43.860	0.000	7588.000	7999.000	8451.000
2	20:04:29	112.149%	0.047	39.010	44.650	0.000	7577.000	8109.000	8512.000
3	20:05:12	113.786%	-0.015	43.120	45.240	0.000	7574.000	8131.000	8436.000
x		112.391%	0.019	41.000	44.580	0.000	7580.000	8080.000	8466.000
σ		1.291%	0.031	2.060	0.690	0.000	7.036	70.430	40.400
%RSD		1.149	162.600	5.025	1.548	0.000	0.093	0.872	0.477

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:46	624.200	8234.000	0.000	784.300	36380.000	38470.000	87.452%	11.760
2	20:04:29	625.900	8246.000	0.000	776.700	35560.000	38590.000	89.435%	11.790
3	20:05:12	625.300	8216.000	0.000	775.000	37650.000	38710.000	90.479%	12.890
x		625.200	8232.000	0.000	778.700	36530.000	38590.000	89.122%	12.140
σ		0.873	15.450	0.000	4.944	1051.000	119.000	1.537%	0.646
%RSD		0.140	0.188	0.000	0.635	2.878	0.308	1.725	5.316

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:46	2.718	20.390	1250.000	18600.000	17790.000	0.788	9.968	2.339
2	20:04:29	4.910	20.460	1243.000	18470.000	17680.000	0.772	9.573	2.205
3	20:05:12	3.682	21.170	1241.000	18460.000	17600.000	0.809	9.745	2.334
x		3.770	20.670	1245.000	18510.000	17690.000	0.789	9.762	2.293
σ		1.099	0.431	4.919	74.220	98.520	0.018	0.198	0.076
%RSD		29.150	2.084	0.395	0.401	0.557	2.344	2.032	3.310

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:46	2.286	22.640	22.350	10.910	-6.505	-6.790	0.000	81.130
2	20:04:29	2.214	22.260	22.900	12.360	-6.229	-4.122	0.000	81.100
3	20:05:12	2.081	22.190	22.280	10.120	-6.429	-3.406	0.000	81.760
x		2.193	22.370	22.510	11.130	-6.388	-4.773	0.000	81.330
σ		0.104	0.239	0.342	1.135	0.143	1.784	0.000	0.370
%RSD		4.746	1.069	1.520	10.200	2.232	37.370	0.000	0.455

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:46	89.924%	2.893	2.670	82.320%	0.005	0.008	-0.166	-0.104
2	20:04:29	91.354%	2.718	2.978	82.337%	0.005	0.006	-0.158	-0.108
3	20:05:12	91.536%	2.750	2.778	83.773%	0.012	-0.001	-0.084	-0.044
x		90.938%	2.787	2.809	82.810%	0.008	0.004	-0.136	-0.085
σ		0.883%	0.093	0.157	0.834%	0.004	0.004	0.045	0.036
%RSD		0.971	3.347	5.576	1.007	55.830	101.000	33.100	41.960

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:46	87.481%	1.797	0.104	0.109	64.520	65.360	98.538%	97.924%
2	20:04:29	90.213%	1.643	0.127	0.103	63.510	64.470	100.926%	101.262%
3	20:05:12	90.774%	1.522	0.161	0.133	64.320	65.900	100.587%	102.514%
x		89.490%	1.654	0.131	0.115	64.120	65.240	100.017%	100.567%
σ		1.762%	0.138	0.028	0.016	0.533	0.723	1.292%	2.373%
%RSD		1.968	8.349	21.720	13.480	0.832	1.108	1.292	2.359

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:46	0.004	0.019	1.124	1.169	1.165	97.993%
2	20:04:29	-0.005	0.009	1.194	1.167	1.154	100.252%
3	20:05:12	0.011	0.010	1.208	1.210	1.205	100.937%
x		0.004	0.013	1.176	1.182	1.175	99.727%
σ		0.008	0.005	0.045	0.025	0.027	1.541%
%RSD		232.700	42.040	3.819	2.081	2.286	1.545

CCV 586960 10/9/2012 8:10:17 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:11:00	88.488%	89.350	87.960	100.100	0.000	45230.000	51000.000	52880.000
2	20:11:43	89.134%	90.700	92.800	94.320	0.000	44940.000	51060.000	52780.000
3	20:12:26	87.819%	92.240	90.040	96.780	0.000	45670.000	51370.000	53250.000
x		88.480%	90.763%	90.268%	97.056%	0.000	90.558%	102.291%	105.940%
σ		0.657%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.743	1.597	2.690	2.971	0.000	0.813	0.384	0.466

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:11:00	515.700	5026.000	0.000	47630.000	47410.000	47440.000	85.097%	98.540
2	20:11:43	513.400	5001.000	0.000	47810.000	46710.000	47900.000	85.243%	98.810
3	20:12:26	522.200	5044.000	0.000	48060.000	47270.000	47600.000	85.421%	102.600
x		103.415%	100.473%	0.000	95.667%	94.256%	95.292%	85.253%	99.990%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.162%	n/a
%RSD		0.881	0.436	0.000	0.452	0.784	0.482	0.190	2.275

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:11:00	97.850	99.020	512.100	25740.000	24840.000	94.890	91.080	94.140
2	20:11:43	98.490	98.260	512.900	25810.000	24980.000	95.650	92.580	93.060
3	20:12:26	98.790	98.550	507.500	25750.000	24990.000	95.220	93.320	93.470
x		98.378%	98.610%	102.165%	103.052%	99.749%	95.250%	92.328%	93.556%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.490	0.392	0.575	0.145	0.352	0.402	1.236	0.580

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:11:00	93.090	96.440	97.570	96.140	93.610	94.500	0.000	101.300
2	20:11:43	91.520	99.430	94.920	95.270	93.680	95.940	0.000	101.700
3	20:12:26	93.290	97.830	98.790	96.420	94.380	99.860	0.000	102.200
x		92.634%	97.899%	97.094%	95.944%	93.892%	96.768%	0.000	101.713%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.044	1.529	2.040	0.622	0.455	2.870	0.000	0.438

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:11:00	84.240%	98.100	97.740	84.497%	97.020	95.950	97.270	98.560
2	20:11:43	84.810%	101.900	100.400	85.431%	96.680	96.930	97.790	98.180
3	20:12:26	84.390%	101.500	102.800	85.339%	96.810	96.030	97.500	96.970
x		84.480%	100.506%	100.328%	85.089%	96.835%	96.302%	97.519%	97.905%
σ		0.295%	n/a	n/a	0.515%	n/a	n/a	n/a	n/a
%RSD		0.349	2.088	2.534	0.605	0.177	0.568	0.266	0.848

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:11:00	86.903%	98.090	99.640	99.800	94.410	97.050	94.802%	95.646%
2	20:11:43	88.283%	98.320	99.730	99.120	97.090	96.390	95.635%	96.922%
3	20:12:26	88.534%	97.900	99.380	100.700	94.810	96.490	95.656%	97.752%
x		87.907%	98.101%	99.581%	99.875%	95.439%	96.645%	95.365%	96.774%
σ		0.878%	n/a	n/a	n/a	n/a	n/a	0.487%	1.061%
%RSD		0.999	0.214	0.185	0.790	1.517	0.370	0.511	1.096

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:11:00	97.240	98.180	98.080	98.260	98.010	96.372%
2	20:11:43	97.660	99.280	98.250	99.430	98.890	96.849%
3	20:12:26	98.490	98.910	99.200	99.660	99.260	96.901%
x		97.797%	98.791%	98.510%	99.117%	98.722%	96.707%
σ		n/a	n/a	n/a	n/a	n/a	0.292%
%RSD		0.652	0.565	0.612	0.756	0.652	0.302

CCB4 10/9/2012 8:17:34 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:18:17	99.505%	-0.015	1.563	0.935	0.000	40.950	3.487	5.227
2	20:19:00	101.193%	0.008	0.564	0.379	0.000	32.720	4.426	3.668
3	20:19:43	101.532%	0.030	0.679	0.587	0.000	37.260	4.749	4.855
x		100.743%	0.007	0.935	0.634	0.000	36.980	4.221	4.584
σ		1.086%	0.022	0.546	0.281	0.000	4.123	0.655	0.814
%RSD		1.078	301.000	58.420	44.400	0.000	11.150	15.530	17.760

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:18:17	0.192	2.554	0.000	-10.750	16.620	5.584	89.750%	-0.164
2	20:19:00	0.075	3.475	0.000	-10.870	2.609	7.423	88.657%	-0.163
3	20:19:43	0.030	3.380	0.000	-14.210	9.685	11.150	89.010%	-0.164
x		0.099	3.136	0.000	-11.940	9.638	8.051	89.139%	-0.164
σ		0.084	0.507	0.000	1.964	7.006	2.834	0.558%	0.001
%RSD		84.540	16.160	0.000	16.440	72.690	35.200	0.626	0.412

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:18:17	0.088	-0.031	0.054	20.790	21.050	0.000	-0.675	-0.052
2	20:19:00	0.108	-0.043	0.031	14.650	16.260	-0.003	-0.504	-0.044
3	20:19:43	0.059	0.005	0.073	10.580	11.330	0.005	-0.485	-0.030
x		0.085	-0.023	0.053	15.340	16.210	0.001	-0.555	-0.042
σ		0.025	0.025	0.021	5.140	4.862	0.004	0.105	0.011
%RSD		28.870	107.800	39.780	33.510	29.990	501.900	18.880	26.040

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:18:17	-0.045	-0.129	-0.147	-0.356	-3.076	-3.744	0.000	0.029
2	20:19:00	-0.019	-0.201	-0.218	0.029	-1.670	-0.684	0.000	0.033
3	20:19:43	-0.087	-0.249	-0.380	0.361	-2.983	0.005	0.000	0.016
x		-0.050	-0.193	-0.248	0.011	-2.576	-1.474	0.000	0.026
σ		0.034	0.060	0.119	0.359	0.786	1.995	0.000	0.009
%RSD		68.220	31.160	48.090	3152.000	30.530	135.300	0.000	33.710

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:18:17	92.908%	0.730	0.658	92.285%	0.005	0.003	-0.059	-0.022
2	20:19:00	92.305%	0.578	0.625	91.680%	0.004	0.005	0.026	0.016
3	20:19:43	92.893%	0.511	0.473	92.265%	0.006	0.018	0.065	0.044
x		92.702%	0.607	0.586	92.077%	0.005	0.009	0.011	0.012
σ		0.344%	0.112	0.099	0.343%	0.001	0.008	0.063	0.033
%RSD		0.371	18.470	16.860	0.373	27.740	93.250	580.400	266.200

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:18:17	93.482%	0.001	0.075	0.084	0.002	-0.011	99.042%	99.942%
2	20:19:00	93.207%	-0.059	0.067	0.044	-0.006	0.005	96.866%	99.798%
3	20:19:43	94.081%	-0.110	0.046	0.041	-0.016	-0.001	99.577%	100.376%
x		93.590%	-0.056	0.063	0.056	-0.007	-0.003	98.495%	100.039%
σ		0.447%	0.056	0.015	0.024	0.009	0.008	1.436%	0.301%
%RSD		0.478	99.040	24.280	43.160	140.300	319.700	1.458	0.301

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:18:17	0.035	0.029	0.072	0.079	0.077	103.641%
2	20:19:00	0.031	0.023	0.027	0.041	0.031	101.871%
3	20:19:43	0.013	0.022	0.012	0.011	0.012	102.230%
x		0.026	0.025	0.037	0.044	0.040	102.581%
σ		0.012	0.004	0.031	0.034	0.033	0.936%
%RSD		44.880	15.030	85.070	78.500	83.580	0.912

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:22:37	100.620%	-0.015	1.187	1.227	0.000	47.750	1.200	1.334
2	20:23:21	100.464%	0.008	0.821	0.283	0.000	41.310	2.498	3.423
3	20:24:04	103.536%	-0.015	-0.055	0.069	0.000	41.150	3.394	3.535
x		101.540%	-0.007	0.651	0.526	0.000	43.400	2.364	2.764
σ		1.731%	0.013	0.638	0.616	0.000	3.765	1.103	1.240
%RSD		1.704	176.200	98.000	117.100	0.000	8.675	46.680	44.860

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:22:37	-0.409	3.291	0.000	-16.730	-0.593	5.955	85.517%	-0.082
2	20:23:21	-0.418	2.859	0.000	-23.940	-0.730	4.977	86.640%	-0.160
3	20:24:04	-0.125	2.898	0.000	-20.320	-0.767	10.670	86.831%	-0.236
x		-0.317	3.016	0.000	-20.330	-0.697	7.200	86.329%	-0.160
σ		0.167	0.239	0.000	3.603	0.092	3.043	0.710%	0.077
%RSD		52.520	7.924	0.000	17.720	13.200	42.260	0.822	48.400

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:22:37	0.463	0.363	0.072	9.710	8.081	-0.001	-0.553	0.005
2	20:23:21	0.002	0.458	0.135	6.035	-1.622	0.003	-0.592	-0.053
3	20:24:04	0.277	0.323	0.175	4.578	3.684	0.006	-0.605	-0.019
x		0.247	0.381	0.127	6.774	3.381	0.003	-0.583	-0.022
σ		0.232	0.069	0.052	2.645	4.859	0.003	0.027	0.029
%RSD		93.900	18.120	40.820	39.040	143.700	122.000	4.691	133.000

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:22:37	0.060	-0.095	-0.098	0.031	-3.421	-2.217	0.000	0.011
2	20:23:21	-0.019	0.056	-0.027	-0.372	-3.305	-2.021	0.000	0.041
3	20:24:04	0.010	0.072	-0.144	-0.884	-3.822	-1.453	0.000	0.032
x		0.017	0.011	-0.090	-0.409	-3.516	-1.897	0.000	0.028
σ		0.040	0.092	0.059	0.459	0.271	0.397	0.000	0.015
%RSD		238.600	855.900	65.760	112.300	7.714	20.930	0.000	53.270

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:22:37	87.312%	0.226	0.260	86.104%	0.002	0.006	-0.084	-0.043
2	20:23:21	88.462%	0.192	0.244	87.131%	-0.003	0.013	0.061	0.043
3	20:24:04	90.546%	0.203	0.216	88.089%	-0.005	-0.001	-0.029	-0.033
x		88.773%	0.207	0.240	87.108%	-0.002	0.006	-0.017	-0.011
σ		1.640%	0.017	0.022	0.993%	0.003	0.007	0.073	0.047
%RSD		1.847	8.357	9.270	1.140	154.500	117.500	424.900	424.400

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:22:37	88.945%	-0.065	0.031	0.061	0.034	-0.004	94.612%	95.677%
2	20:23:21	89.264%	-0.064	0.035	0.053	-0.005	-0.004	95.221%	96.622%
3	20:24:04	90.795%	-0.103	0.041	0.019	-0.025	-0.032	97.689%	98.876%
x		89.668%	-0.077	0.036	0.044	0.002	-0.013	95.841%	97.058%
σ		0.989%	0.023	0.005	0.022	0.030	0.016	1.629%	1.643%
%RSD		1.103	29.110	13.610	50.270	1828.000	123.000	1.700	1.693

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:22:37	0.046	0.048	0.082	0.057	0.070	98.968%
2	20:23:21	0.061	0.056	0.023	0.050	0.035	97.753%
3	20:24:04	0.032	0.042	0.024	0.033	0.024	98.718%
x		0.047	0.049	0.043	0.047	0.043	98.480%
σ		0.015	0.007	0.034	0.012	0.024	0.642%
%RSD		31.230	14.030	78.740	26.480	55.190	0.651

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:26:57	115.144%	41.170	944.100	1021.000	0.000	42790.000	55840.000	58460.000
2	20:27:40	118.384%	43.520	944.900	1029.000	0.000	42770.000	56580.000	59020.000
3	20:28:23	121.628%	42.620	932.900	1021.000	0.000	42900.000	56510.000	58950.000
x		118.385%	42.440	940.700	1024.000	0.000	42820.000	56310.000	58810.000
σ		3.242%	1.186	6.690	4.905	0.000	74.040	406.700	306.700
%RSD		2.738	2.795	0.711	0.479	0.000	0.173	0.722	0.522

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:26:57	2206.000	9748.000	0.000	45880.000	47890.000	50130.000	95.925%	1026.000
2	20:27:40	2229.000	9835.000	0.000	46030.000	48470.000	50730.000	98.453%	1014.000
3	20:28:23	2221.000	9801.000	0.000	45850.000	47890.000	50430.000	99.786%	1033.000
x		2219.000	9795.000	0.000	45920.000	48080.000	50430.000	98.055%	1024.000
σ		11.720	43.870	0.000	100.100	331.600	301.700	1.961%	9.824
%RSD		0.528	0.448	0.000	0.218	0.690	0.598	2.000	0.959

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:26:57	506.700	207.100	523.500	1057.000	1159.000	439.700	425.800	215.500
2	20:27:40	497.700	208.700	529.500	1063.000	1149.000	444.300	423.400	215.600
3	20:28:23	503.500	208.800	526.900	1061.000	1169.000	446.000	424.700	214.000
x		502.600	208.200	526.600	1060.000	1159.000	443.300	424.600	215.000
σ		4.518	0.979	3.022	2.792	9.948	3.210	1.167	0.908
%RSD		0.899	0.470	0.574	0.263	0.858	0.724	0.275	0.422

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:26:57	213.600	457.700	450.600	35.160	4.353	10.000	0.000	1020.000
2	20:27:40	215.900	460.900	454.800	39.290	4.049	12.170	0.000	1034.000
3	20:28:23	216.500	465.800	455.000	37.240	3.861	9.664	0.000	1038.000
x		215.300	461.500	453.500	37.230	4.087	10.610	0.000	1031.000
σ		1.508	4.034	2.525	2.063	0.249	1.360	0.000	9.659
%RSD		0.701	0.874	0.557	5.541	6.083	12.810	0.000	0.937

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:26:57	92.543%	1027.000	1030.000	87.895%	48.230	47.600	49.520	44.490
2	20:27:40	94.706%	1034.000	1031.000	90.642%	47.960	47.580	49.940	43.360
3	20:28:23	95.529%	1027.000	1030.000	91.321%	48.020	46.410	50.530	44.790
x		94.259%	1029.000	1030.000	89.953%	48.070	47.200	49.990	44.210
σ		1.543%	3.850	0.510	1.814%	0.139	0.679	0.507	0.755
%RSD		1.637	0.374	0.050	2.017	0.289	1.439	1.015	1.708

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:26:57	95.426%	1917.000	494.100	500.600	1887.000	1923.000	103.886%	105.362%
2	20:27:40	97.563%	1922.000	495.500	504.700	1903.000	1937.000	106.301%	107.791%
3	20:28:23	99.234%	1912.000	492.600	493.500	1880.000	1922.000	107.783%	107.777%
x		97.408%	1917.000	494.000	499.600	1890.000	1927.000	105.990%	106.976%
σ		1.909%	5.225	1.449	5.639	11.700	8.085	1.967%	1.398%
%RSD		1.959	0.273	0.293	1.129	0.619	0.419	1.856	1.307

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:26:57	46.550	46.740	19.080	19.210	18.970	107.461%
2	20:27:40	45.620	46.590	18.370	18.730	18.360	111.363%
3	20:28:23	45.580	47.060	18.590	18.820	18.600	111.226%
x		45.910	46.800	18.680	18.920	18.640	110.017%
σ		0.547	0.237	0.365	0.252	0.306	2.215%
%RSD		1.191	0.507	1.955	1.332	1.641	2.013

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:34:13	112.935%	0.026	53.400	60.140	0.000	63610.000	24930.000	27060.000
2	20:34:56	116.238%	0.005	53.070	59.710	0.000	63950.000	24850.000	27540.000
3	20:35:39	117.602%	-0.015	52.620	60.570	0.000	63470.000	25390.000	27460.000
x		115.592%	0.005	53.030	60.140	0.000	63680.000	25060.000	27350.000
σ		2.400%	0.020	0.390	0.431	0.000	245.100	292.300	258.100
%RSD		2.076	402.300	0.736	0.717	0.000	0.385	1.166	0.944

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:34:13	6.993	7258.000	0.000	1187.000	113000.000	126100.000	96.172%	12.810
2	20:34:56	7.274	7395.000	0.000	1204.000	113800.000	128700.000	98.233%	14.140
3	20:35:39	7.055	7314.000	0.000	1174.000	110700.000	127000.000	101.483%	15.180
x		7.108	7323.000	0.000	1188.000	112500.000	127200.000	98.629%	14.040
σ		0.148	68.800	0.000	15.360	1631.000	1349.000	2.677%	1.191
%RSD		2.079	0.940	0.000	1.292	1.449	1.061	2.715	8.480

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:34:13	2.743	5.075	1861.000	11290.000	11060.000	0.396	7.966	1.232
2	20:34:56	1.053	5.250	1873.000	11300.000	11030.000	0.341	8.433	1.248
3	20:35:39	3.996	5.181	1842.000	11130.000	10840.000	0.383	7.833	1.255
x		2.597	5.169	1859.000	11240.000	10980.000	0.373	8.078	1.245
σ		1.477	0.088	15.530	96.130	118.800	0.029	0.315	0.012
%RSD		56.860	1.705	0.835	0.855	1.082	7.638	3.903	0.982

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:34:13	1.434	5.542	6.429	33.750	-5.554	-3.002	0.000	864.600
2	20:34:56	1.305	5.680	5.005	31.520	-5.973	-2.907	0.000	867.400
3	20:35:39	1.304	5.919	5.564	32.200	-6.305	-1.822	0.000	880.600
x		1.348	5.714	5.666	32.490	-5.944	-2.577	0.000	870.900
σ		0.075	0.191	0.717	1.142	0.376	0.655	0.000	8.538
%RSD		5.580	3.343	12.660	3.516	6.324	25.430	0.000	0.980

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:34:13	95.412%	11.220	11.870	86.311%	0.001	0.008	0.133	0.152
2	20:34:56	98.173%	11.580	11.670	87.977%	0.007	0.006	0.075	0.098
3	20:35:39	99.306%	10.810	11.200	90.274%	0.004	0.002	0.067	0.090
x		97.630%	11.210	11.580	88.188%	0.004	0.005	0.092	0.113
σ		2.003%	0.385	0.344	1.990%	0.003	0.003	0.036	0.034
%RSD		2.052	3.436	2.971	2.257	71.200	62.820	39.070	29.610

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:34:13	92.875%	7.234	0.482	0.536	678.200	698.000	101.709%	102.987%
2	20:34:56	96.695%	6.070	0.482	0.558	679.400	688.400	106.794%	106.877%
3	20:35:39	97.207%	5.571	0.462	0.464	688.400	701.500	106.906%	108.081%
x		95.593%	6.292	0.475	0.519	682.000	696.000	105.136%	105.981%
σ		2.367%	0.853	0.012	0.049	5.563	6.786	2.969%	2.662%
%RSD		2.476	13.560	2.440	9.483	0.816	0.975	2.824	2.512

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:34:13	0.111	0.109	0.060	0.056	0.056	105.431%
2	20:34:56	0.102	0.101	0.032	0.051	0.042	110.655%
3	20:35:39	0.082	0.085	0.023	0.048	0.031	111.432%
x		0.098	0.098	0.038	0.052	0.043	109.173%
σ		0.015	0.012	0.019	0.004	0.012	3.264%
%RSD		15.100	12.650	50.060	7.202	28.680	2.989

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:38:33	93.728%	0.058	12.380	12.950	0.000	12670.000	4788.000	5007.000
2	20:39:16	94.329%	0.009	12.310	11.620	0.000	12650.000	4777.000	5019.000
3	20:39:59	92.971%	-0.015	8.429	11.150	0.000	12680.000	4794.000	5010.000
x		93.676%	0.017	11.040	11.910	0.000	12660.000	4787.000	5012.000
σ		0.680%	0.037	2.263	0.932	0.000	16.070	8.462	6.023
%RSD		0.726	214.300	20.500	7.826	0.000	0.127	0.177	0.120

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:38:33	0.893	1434.000	0.000	221.600	21990.000	22870.000	83.703%	0.553
2	20:39:16	0.847	1459.000	0.000	228.100	21790.000	22920.000	83.544%	0.672
3	20:39:59	0.792	1435.000	0.000	226.200	22270.000	22750.000	82.848%	0.760
x		0.844	1443.000	0.000	225.300	22010.000	22850.000	83.365%	0.662
σ		0.051	13.870	0.000	3.352	239.900	83.640	0.454%	0.104
%RSD		5.984	0.961	0.000	1.488	1.090	0.366	0.545	15.710

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:38:33	1.556	1.129	354.000	2331.000	2276.000	0.108	1.287	0.170
2	20:39:16	0.944	1.010	355.900	2325.000	2256.000	0.082	0.910	0.175
3	20:39:59	-0.939	1.163	357.200	2327.000	2252.000	0.081	1.067	0.127
x		0.520	1.101	355.700	2328.000	2261.000	0.090	1.088	0.157
σ		1.300	0.080	1.594	3.227	12.640	0.016	0.190	0.027
%RSD		249.900	7.274	0.448	0.139	0.559	17.410	17.430	16.880

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:38:33	0.200	0.842	0.806	6.705	-4.164	-1.562	0.000	180.200
2	20:39:16	0.212	0.930	0.513	6.411	-4.495	0.915	0.000	179.200
3	20:39:59	0.128	1.079	1.091	6.048	-4.248	-0.126	0.000	180.600
x		0.180	0.951	0.803	6.388	-4.302	-0.258	0.000	180.000
σ		0.045	0.120	0.289	0.329	0.172	1.244	0.000	0.737
%RSD		25.180	12.600	35.960	5.151	3.998	482.300	0.000	0.409

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:38:33	80.955%	2.596	2.694	81.469%	-0.004	0.006	-0.020	-0.029
2	20:39:16	81.603%	2.352	2.470	81.908%	-0.001	-0.000	0.055	0.021
3	20:39:59	80.776%	2.393	2.423	81.091%	-0.001	-0.003	-0.011	-0.011
x		81.111%	2.447	2.529	81.489%	-0.002	0.001	0.008	-0.006
σ		0.435%	0.131	0.145	0.409%	0.002	0.005	0.041	0.026
%RSD		0.537	5.338	5.719	0.502	93.660	583.900	514.200	413.500

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:38:33	86.573%	0.480	0.085	0.067	132.900	135.900	94.928%	96.584%
2	20:39:16	86.700%	0.342	0.104	0.084	132.500	137.600	95.252%	97.056%
3	20:39:59	85.454%	0.323	0.078	0.064	134.500	137.000	94.339%	95.459%
x		86.242%	0.382	0.089	0.072	133.300	136.800	94.839%	96.366%
σ		0.686%	0.086	0.014	0.011	1.071	0.841	0.463%	0.821%
%RSD		0.795	22.500	15.380	14.750	0.803	0.614	0.488	0.852

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:38:33	0.030	0.042	0.034	0.049	0.042	92.351%
2	20:39:16	0.027	0.038	-0.001	0.016	0.003	93.197%
3	20:39:59	0.015	0.037	0.008	-0.004	0.001	92.772%
x		0.024	0.039	0.014	0.020	0.015	92.773%
σ		0.008	0.003	0.019	0.027	0.023	0.423%
%RSD		34.050	6.916	136.200	132.600	148.100	0.456

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:42:53	107.496%	40.540	933.100	1019.000	0.000	103800.000	77630.000	81550.000
2	20:43:36	113.167%	38.520	948.200	1007.000	0.000	102500.000	77830.000	81530.000
3	20:44:19	114.540%	38.490	911.400	1020.000	0.000	102800.000	78710.000	82140.000
x		111.735%	39.180	930.900	1015.000	0.000	103000.000	78050.000	81740.000
σ		3.734%	1.174	18.500	7.433	0.000	711.000	572.500	346.600
%RSD		3.342	2.996	1.988	0.732	0.000	0.690	0.734	0.424

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:42:53	2091.000	15550.000	0.000	44290.000	154400.000	174800.000	92.690%	973.000
2	20:43:36	2085.000	15490.000	0.000	43870.000	155300.000	174900.000	97.621%	971.900
3	20:44:19	2102.000	15540.000	0.000	43910.000	155100.000	175000.000	99.875%	978.300
x		2092.000	15530.000	0.000	44020.000	154900.000	174900.000	96.729%	974.400
σ		8.971	28.660	0.000	230.700	479.800	131.300	3.675%	3.417
%RSD		0.429	0.185	0.000	0.524	0.310	0.075	3.799	0.351

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:42:53	483.000	193.800	2384.000	12320.000	12090.000	426.600	415.800	203.100
2	20:43:36	476.000	192.500	2333.000	12090.000	11950.000	418.000	408.200	200.600
3	20:44:19	472.100	191.000	2344.000	12030.000	11810.000	413.600	401.400	199.500
x		477.000	192.400	2354.000	12150.000	11950.000	419.400	408.500	201.000
σ		5.546	1.438	26.930	153.800	138.500	6.644	7.233	1.826
%RSD		1.163	0.747	1.144	1.266	1.159	1.584	1.771	0.908

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:42:53	204.400	439.600	433.300	67.350	4.536	8.351	0.000	1985.000
2	20:43:36	200.800	434.700	432.200	70.180	3.798	8.315	0.000	2000.000
3	20:44:19	199.300	435.700	421.900	69.760	3.613	8.268	0.000	2011.000
x		201.500	436.700	429.100	69.100	3.982	8.311	0.000	1999.000
σ		2.633	2.574	6.266	1.526	0.488	0.042	0.000	12.960
%RSD		1.307	0.590	1.460	2.208	12.260	0.503	0.000	0.649

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:42:53	87.423%	1020.000	1018.000	83.157%	46.920	46.240	48.820	44.560
2	20:43:36	91.112%	1028.000	1029.000	86.117%	46.580	45.700	46.820	43.120
3	20:44:19	92.844%	1030.000	1031.000	88.383%	47.140	45.780	47.580	43.120
x		90.460%	1026.000	1026.000	85.886%	46.880	45.910	47.740	43.600
σ		2.769%	5.081	7.170	2.621%	0.280	0.293	1.010	0.831
%RSD		3.061	0.495	0.699	3.051	0.598	0.638	2.116	1.907

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:42:53	89.708%	1906.000	489.600	496.500	2521.000	2553.000	100.031%	100.946%
2	20:43:36	93.809%	1897.000	486.800	495.100	2528.000	2565.000	103.837%	104.964%
3	20:44:19	96.360%	1887.000	484.400	487.800	2508.000	2558.000	106.200%	107.783%
x		93.292%	1897.000	486.900	493.100	2519.000	2559.000	103.356%	104.564%
σ		3.356%	9.499	2.632	4.667	9.777	6.092	3.113%	3.436%
%RSD		3.597	0.501	0.540	0.946	0.388	0.238	3.012	3.286

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:42:53	43.810	43.910	17.640	18.290	17.960	106.483%
2	20:43:36	43.450	44.240	17.550	17.860	17.720	111.549%
3	20:44:19	43.980	44.770	17.650	17.640	17.670	113.391%
x		43.740	44.310	17.610	17.930	17.780	110.474%
σ		0.270	0.437	0.054	0.328	0.155	3.577%
%RSD		0.618	0.987	0.308	1.831	0.872	3.238

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:47:12	108.855%	41.520	956.600	1044.000	0.000	107100.000	81390.000	84740.000
2	20:47:55	111.977%	40.650	964.200	1041.000	0.000	107200.000	81950.000	85320.000
3	20:48:38	112.144%	41.480	963.300	1029.000	0.000	109100.000	82820.000	85190.000
x		110.992%	41.220	961.300	1038.000	0.000	107800.000	82050.000	85080.000
σ		1.852%	0.490	4.134	8.037	0.000	1089.000	718.300	304.100
%RSD		1.669	1.190	0.430	0.774	0.000	1.010	0.875	0.357

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:47:12	2165.000	16240.000	0.000	44770.000	159500.000	180400.000	94.998%	979.200
2	20:47:55	2177.000	16160.000	0.000	44480.000	158100.000	180700.000	97.105%	986.700
3	20:48:38	2180.000	16270.000	0.000	44750.000	161100.000	182200.000	96.427%	993.800
x		2174.000	16230.000	0.000	44670.000	159600.000	181100.000	96.177%	986.600
σ		8.026	57.130	0.000	161.400	1508.000	935.700	1.076%	7.285
%RSD		0.369	0.352	0.000	0.361	0.945	0.517	1.119	0.738

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:47:12	482.300	192.100	2410.000	12380.000	12140.000	421.800	409.300	199.900
2	20:47:55	485.200	192.200	2410.000	12380.000	12110.000	420.300	407.200	200.400
3	20:48:38	487.100	196.100	2430.000	12440.000	12220.000	420.100	407.500	203.800
x		484.900	193.500	2416.000	12400.000	12160.000	420.700	408.000	201.400
σ		2.432	2.308	11.340	36.430	57.400	0.916	1.139	2.099
%RSD		0.502	1.193	0.469	0.294	0.472	0.218	0.279	1.043

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:47:12	199.900	439.100	427.100	71.370	4.612	7.508	0.000	1955.000
2	20:47:55	201.600	439.300	434.200	67.800	4.188	7.266	0.000	1983.000
3	20:48:38	199.200	442.400	435.300	70.870	3.918	9.768	0.000	1985.000
x		200.200	440.300	432.200	70.010	4.239	8.181	0.000	1974.000
σ		1.206	1.856	4.444	1.932	0.350	1.380	0.000	16.570
%RSD		0.603	0.421	1.028	2.759	8.256	16.870	0.000	0.839

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:47:12	94.185%	1004.000	1022.000	82.959%	48.230	47.140	50.940	45.270
2	20:47:55	95.291%	1016.000	1035.000	82.653%	48.200	47.490	50.420	44.250
3	20:48:38	95.692%	1014.000	1037.000	82.705%	48.280	47.410	50.620	45.110
x		95.056%	1012.000	1031.000	82.772%	48.230	47.350	50.660	44.870
σ		0.781%	6.808	8.406	0.164%	0.042	0.179	0.265	0.546
%RSD		0.821	0.673	0.815	0.198	0.088	0.379	0.523	1.217

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:47:12	90.229%	1932.000	498.500	506.500	2609.000	2656.000	100.476%	101.370%
2	20:47:55	90.528%	1950.000	499.800	508.100	2625.000	2673.000	101.413%	100.909%
3	20:48:38	90.295%	1943.000	501.700	510.900	2640.000	2698.000	99.766%	98.007%
x		90.351%	1942.000	500.000	508.500	2625.000	2675.000	100.552%	100.095%
σ		0.157%	9.001	1.623	2.218	15.260	21.110	0.826%	1.823%
%RSD		0.173	0.464	0.325	0.436	0.581	0.789	0.822	1.822

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:47:12	45.990	47.040	18.350	18.890	18.680	102.365%
2	20:47:55	46.020	46.720	18.670	19.050	18.700	101.587%
3	20:48:38	46.390	47.080	18.890	18.750	18.740	98.785%
x		46.140	46.950	18.640	18.890	18.710	100.912%
σ		0.224	0.199	0.269	0.152	0.032	1.883%
%RSD		0.485	0.424	1.445	0.803	0.173	1.866

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:54:25	106.554%	0.006	55.500	56.400	0.000	45540.000	26630.000	29010.000
2	20:55:08	109.812%	0.006	49.770	54.720	0.000	45640.000	26570.000	29490.000
3	20:55:51	109.518%	0.069	53.250	55.020	0.000	45970.000	27580.000	29870.000
x		108.628%	0.027	52.840	55.380	0.000	45720.000	26930.000	29460.000
σ		1.802%	0.036	2.884	0.896	0.000	225.900	567.200	430.800
%RSD		1.659	133.700	5.458	1.619	0.000	0.494	2.107	1.462

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:54:25	248.000	11020.000	0.000	5487.000	135200.000	153200.000	89.212%	24.340
2	20:55:08	250.200	11050.000	0.000	5437.000	136300.000	154300.000	92.283%	25.420
3	20:55:51	254.900	11090.000	0.000	5447.000	135000.000	155000.000	93.948%	24.850
x		251.100	11050.000	0.000	5457.000	135500.000	154200.000	91.814%	24.870
σ		3.509	32.930	0.000	26.360	684.800	900.900	2.402%	0.537
%RSD		1.398	0.298	0.000	0.483	0.505	0.584	2.617	2.160

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:54:25	3.269	4.492	4399.000	95250.000	94160.000	1.074	1.848	2.824
2	20:55:08	1.068	4.515	4408.000	95220.000	93730.000	1.139	1.451	2.905
3	20:55:51	2.511	4.476	4381.000	94590.000	93150.000	1.166	1.551	2.899
x		2.283	4.494	4396.000	95020.000	93680.000	1.126	1.617	2.876
σ		1.118	0.019	13.880	370.100	509.100	0.047	0.206	0.045
%RSD		48.990	0.428	0.316	0.390	0.543	4.175	12.770	1.563

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:54:25	2.902	19.360	18.040	25.720	-5.902	0.083	0.000	1016.000
2	20:55:08	2.855	18.290	16.990	25.560	-5.835	-1.063	0.000	1013.000
3	20:55:51	2.937	18.900	18.120	26.820	-5.981	0.295	0.000	1023.000
x		2.898	18.850	17.720	26.030	-5.906	-0.228	0.000	1017.000
σ		0.041	0.540	0.628	0.685	0.073	0.731	0.000	5.055
%RSD		1.422	2.864	3.547	2.630	1.231	320.100	0.000	0.497

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:54:25	88.648%	4.468	4.672	78.394%	0.003	0.005	0.616	0.475
2	20:55:08	91.542%	3.895	3.618	80.703%	0.013	0.014	0.404	0.468
3	20:55:51	93.538%	3.495	3.560	81.988%	0.004	0.011	0.549	0.528
x		91.242%	3.953	3.950	80.362%	0.007	0.010	0.523	0.490
σ		2.459%	0.489	0.626	1.821%	0.006	0.005	0.108	0.033
%RSD		2.695	12.380	15.850	2.266	89.490	46.680	20.700	6.664

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:54:25	85.433%	10.330	0.284	0.318	163.300	165.800	92.602%	91.404%
2	20:55:08	87.890%	8.522	0.267	0.374	163.100	168.300	95.479%	94.841%
3	20:55:51	88.087%	7.514	0.291	0.308	166.300	168.500	97.696%	96.629%
x		87.136%	8.788	0.281	0.333	164.200	167.500	95.259%	94.291%
σ		1.479%	1.426	0.013	0.036	1.822	1.529	2.554%	2.655%
%RSD		1.697	16.220	4.460	10.700	1.109	0.912	2.681	2.816

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:54:25	0.144	0.129	0.508	0.503	0.465	90.945%
2	20:55:08	0.123	0.118	0.455	0.439	0.440	92.927%
3	20:55:51	0.111	0.101	0.448	0.443	0.432	94.526%
x		0.126	0.116	0.470	0.461	0.446	92.800%
σ		0.017	0.014	0.033	0.036	0.017	1.794%
%RSD		13.340	11.950	7.029	7.823	3.887	1.933

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:58:43	118.006%	0.004	45.120	52.960	0.000	66360.000	50190.000	52020.000
2	20:59:26	118.728%	0.004	47.760	55.070	0.000	66680.000	50940.000	52580.000
3	21:00:09	120.928%	0.042	50.670	54.530	0.000	67080.000	51660.000	53270.000
x		119.221%	0.017	47.850	54.180	0.000	66710.000	50930.000	52620.000
σ		1.522%	0.022	2.773	1.096	0.000	362.500	737.000	625.400
%RSD		1.277	129.100	5.796	2.022	0.000	0.543	1.447	1.188

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:58:43	2.860	4072.000	0.000	1272.000	88670.000	101700.000	100.881%	8.213
2	20:59:26	2.717	4088.000	0.000	1249.000	88900.000	100900.000	104.770%	6.366
3	21:00:09	2.653	4126.000	0.000	1272.000	90270.000	103000.000	103.945%	6.095
x		2.743	4095.000	0.000	1264.000	89280.000	101800.000	103.199%	6.891
σ		0.106	28.060	0.000	13.650	866.200	1053.000	2.049%	1.152
%RSD		3.870	0.685	0.000	1.080	0.970	1.034	1.986	16.720

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:58:43	-1.637	6.776	249.400	126.700	346.400	0.721	2.819	0.786
2	20:59:26	-1.513	8.251	251.400	113.400	326.700	0.681	2.650	0.826
3	21:00:09	0.465	9.000	253.100	108.500	310.100	0.771	2.522	0.846
x		-0.895	8.009	251.300	116.200	327.800	0.724	2.664	0.819
σ		1.179	1.131	1.813	9.386	18.190	0.045	0.149	0.031
%RSD		131.800	14.130	0.721	8.077	5.550	6.246	5.583	3.749

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:58:43	1.012	4.795	4.113	1.305	-6.600	-1.199	0.000	517.000
2	20:59:26	1.008	4.716	4.282	-1.409	-6.338	-1.087	0.000	522.200
3	21:00:09	0.942	4.725	4.182	-1.564	-6.799	-0.167	0.000	523.200
x		0.987	4.745	4.192	-0.556	-6.579	-0.818	0.000	520.800
σ		0.039	0.043	0.085	1.613	0.231	0.567	0.000	3.336
%RSD		3.981	0.909	2.024	290.200	3.513	69.290	0.000	0.640

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:58:43	100.105%	1.048	1.120	87.272%	-0.000	0.005	-0.069	-0.076
2	20:59:26	101.220%	0.956	0.914	88.979%	-0.001	0.000	-0.045	-0.031
3	21:00:09	102.512%	0.798	0.850	89.396%	0.001	0.006	0.009	0.030
x		101.279%	0.934	0.961	88.549%	-0.000	0.004	-0.035	-0.025
σ		1.204%	0.126	0.141	1.126%	0.001	0.003	0.040	0.053
%RSD		1.189	13.520	14.690	1.271	659.400	81.010	114.400	210.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:58:43	95.046%	4.996	0.206	0.209	136.600	139.000	101.236%	100.484%
2	20:59:26	96.873%	4.700	0.188	0.212	137.900	142.100	103.974%	102.492%
3	21:00:09	97.747%	4.478	0.128	0.197	136.300	141.500	103.481%	101.700%
x		96.555%	4.725	0.174	0.206	137.000	140.900	102.897%	101.559%
σ		1.378%	0.260	0.041	0.008	0.858	1.641	1.460%	1.011%
%RSD		1.427	5.500	23.520	3.780	0.626	1.165	1.418	0.996

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:58:43	0.070	0.068	0.055	0.067	0.051	91.678%
2	20:59:26	0.057	0.066	0.031	0.023	0.023	93.875%
3	21:00:09	0.036	0.062	0.020	0.024	0.025	94.159%
x		0.054	0.065	0.035	0.038	0.033	93.237%
σ		0.017	0.003	0.018	0.025	0.016	1.358%
%RSD		30.940	4.466	50.670	65.160	47.460	1.456

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:03:01	113.091%	0.005	51.880	56.390	0.000	64800.000	25630.000	27740.000
2	21:03:44	112.853%	0.005	51.910	57.000	0.000	64910.000	25930.000	28040.000
3	21:04:27	112.769%	-0.015	52.700	56.600	0.000	65220.000	26070.000	28190.000
x		112.904%	-0.001	52.160	56.670	0.000	64980.000	25880.000	27990.000
σ		0.167%	0.012	0.468	0.312	0.000	216.500	223.900	231.500
%RSD		0.148	789.600	0.897	0.551	0.000	0.333	0.865	0.827

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:03:01	5.655	7363.000	0.000	1129.000	111000.000	127100.000	92.052%	13.180
2	21:03:44	5.607	7373.000	0.000	1132.000	112500.000	128000.000	93.022%	17.670
3	21:04:27	5.500	7463.000	0.000	1143.000	112600.000	125900.000	93.061%	16.460
x		5.587	7399.000	0.000	1135.000	112000.000	127000.000	92.712%	15.770
σ		0.080	55.120	0.000	7.450	937.900	1054.000	0.572%	2.323
%RSD		1.428	0.745	0.000	0.656	0.837	0.830	0.617	14.730

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:03:01	2.227	5.083	1876.000	11380.000	11030.000	0.329	8.104	0.959
2	21:03:44	0.505	5.036	1877.000	11310.000	10940.000	0.384	7.350	1.175
3	21:04:27	1.816	4.920	1879.000	11340.000	10980.000	0.358	7.795	1.271
x		1.516	5.013	1878.000	11340.000	10980.000	0.357	7.750	1.135
σ		0.899	0.084	1.772	34.540	45.400	0.028	0.379	0.160
%RSD		59.320	1.673	0.094	0.304	0.413	7.735	4.891	14.060

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:03:01	0.964	4.629	3.442	33.200	-5.958	-0.763	0.000	875.700
2	21:03:44	1.189	4.635	4.596	31.940	-6.002	-0.112	0.000	881.100
3	21:04:27	1.035	4.481	4.148	34.240	-6.070	-0.483	0.000	878.900
x		1.062	4.582	4.062	33.130	-6.010	-0.453	0.000	878.600
σ		0.115	0.087	0.582	1.151	0.057	0.326	0.000	2.688
%RSD		10.850	1.906	14.320	3.475	0.942	72.060	0.000	0.306

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:03:01	90.674%	9.801	9.907	79.675%	-0.002	-0.003	0.121	0.038
2	21:03:44	92.709%	9.731	10.150	80.876%	0.005	0.006	0.084	0.144
3	21:04:27	92.589%	9.702	9.867	81.059%	0.009	-0.004	0.041	0.042
x		91.991%	9.745	9.976	80.537%	0.004	-0.000	0.082	0.075
σ		1.142%	0.051	0.155	0.752%	0.006	0.006	0.040	0.060
%RSD		1.241	0.523	1.554	0.933	145.400	2020.000	48.580	80.060

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:03:01	86.881%	4.373	0.369	0.444	693.900	707.600	94.396%	94.342%
2	21:03:44	88.403%	4.259	0.394	0.497	685.000	704.600	96.176%	95.421%
3	21:04:27	88.633%	4.355	0.395	0.406	691.100	703.400	95.708%	96.151%
x		87.973%	4.329	0.386	0.449	690.000	705.200	95.427%	95.305%
σ		0.952%	0.062	0.015	0.046	4.531	2.158	0.923%	0.910%
%RSD		1.082	1.423	3.860	10.190	0.657	0.306	0.967	0.955

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:03:01	0.047	0.042	0.052	0.026	0.041	87.687%
2	21:03:44	0.026	0.054	0.026	0.027	0.026	92.659%
3	21:04:27	0.019	0.042	0.013	0.028	0.019	93.421%
x		0.031	0.046	0.030	0.027	0.028	91.255%
σ		0.015	0.007	0.020	0.001	0.011	3.114%
%RSD		47.030	15.430	64.370	2.543	39.300	3.412

180-14634-D-6-A 10/9/2012 9:06:36 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:07:19	113.655%	0.025	38.440	45.500	0.000	92930.000	20160.000	20920.000
2	21:08:02	116.762%	0.005	36.940	45.160	0.000	92070.000	20250.000	20950.000
3	21:08:45	116.470%	0.024	41.110	45.610	0.000	91610.000	20260.000	20990.000
x		115.629%	0.018	38.830	45.420	0.000	92210.000	20220.000	20950.000
σ		1.716%	0.012	2.110	0.238	0.000	671.000	58.200	33.320
%RSD		1.484	64.490	5.435	0.524	0.000	0.728	0.288	0.159

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:07:19	762.700	4172.000	0.000	2272.000	52280.000	54750.000	91.367%	24.560
2	21:08:02	758.200	4135.000	0.000	2241.000	52050.000	54670.000	94.506%	23.520
3	21:08:45	759.200	4132.000	0.000	2236.000	51660.000	54960.000	95.351%	24.040
x		760.100	4146.000	0.000	2250.000	51990.000	54790.000	93.741%	24.040
σ		2.378	22.390	0.000	19.630	314.000	150.700	2.099%	0.518
%RSD		0.313	0.540	0.000	0.872	0.604	0.275	2.239	2.154

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:07:19	1.423	8.917	105.000	1877.000	1880.000	0.812	2.562	2.324
2	21:08:02	4.201	9.217	103.800	1859.000	1873.000	0.832	2.415	2.123
3	21:08:45	5.211	9.654	104.900	1867.000	1850.000	0.816	2.662	2.281
x		3.612	9.263	104.600	1868.000	1868.000	0.820	2.546	2.243
σ		1.961	0.371	0.676	9.111	16.030	0.011	0.124	0.106
%RSD		54.310	4.002	0.646	0.488	0.858	1.316	4.870	4.716

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:07:19	2.034	5.145	5.026	-2.556	-5.862	-4.085	0.000	678.800
2	21:08:02	2.263	4.782	4.917	1.771	-5.969	-0.900	0.000	677.000
3	21:08:45	2.324	4.477	5.000	1.973	-5.897	0.605	0.000	678.200
x		2.207	4.802	4.981	0.396	-5.909	-1.460	0.000	678.000
σ		0.153	0.335	0.057	2.559	0.054	2.395	0.000	0.935
%RSD		6.921	6.969	1.140	646.400	0.922	164.100	0.000	0.138

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:07:19	90.841%	1.706	1.714	79.661%	0.014	0.010	-0.109	-0.054
2	21:08:02	94.099%	1.799	1.656	81.915%	0.013	0.020	-0.136	-0.120
3	21:08:45	94.816%	1.618	1.567	83.190%	0.016	0.012	-0.064	-0.060
x		93.252%	1.708	1.646	81.589%	0.014	0.014	-0.103	-0.078
σ		2.119%	0.091	0.074	1.787%	0.001	0.006	0.036	0.036
%RSD		2.272	5.315	4.514	2.190	9.833	40.310	35.490	46.740

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:07:19	88.008%	4.259	0.198	0.256	109.400	111.600	95.329%	94.739%
2	21:08:02	89.634%	4.101	0.281	0.336	109.100	114.100	97.930%	97.597%
3	21:08:45	91.147%	4.162	0.220	0.264	112.600	115.100	99.467%	99.177%
x		89.596%	4.174	0.233	0.285	110.400	113.600	97.575%	97.171%
σ		1.570%	0.080	0.043	0.044	1.931	1.811	2.091%	2.250%
%RSD		1.752	1.907	18.480	15.370	1.750	1.595	2.143	2.315

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:07:19	0.027	0.047	0.494	0.497	0.490	91.150%
2	21:08:02	0.039	0.043	0.490	0.422	0.456	93.399%
3	21:08:45	0.034	0.031	0.493	0.458	0.471	94.574%
x		0.034	0.040	0.493	0.459	0.472	93.041%
σ		0.006	0.008	0.002	0.037	0.017	1.740%
%RSD		18.020	19.950	0.442	8.113	3.554	1.870

CCV 586960 10/9/2012 9:13:50 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:14:33	85.183%	88.540	95.230	98.510	0.000	46550.000	51890.000	53800.000
2	21:15:16	84.633%	91.890	92.300	94.570	0.000	46300.000	52620.000	54490.000
3	21:15:59	83.685%	90.180	88.850	104.200	0.000	47360.000	53070.000	54650.000
x		84.501%	90.205%	92.128%	99.083%	0.000	93.477%	105.055%	108.623%
σ		0.757%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.896	1.855	3.466	4.866	0.000	1.188	1.138	0.837

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:14:33	515.900	5018.000	0.000	48190.000	47360.000	47940.000	77.636%	101.300
2	21:15:16	516.400	5073.000	0.000	48620.000	47680.000	48270.000	77.964%	101.500
3	21:15:59	529.000	5099.000	0.000	49130.000	48290.000	48390.000	78.208%	97.880
x		104.084%	101.267%	0.000	97.295%	95.550%	96.404%	77.936%	100.253%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.287%	n/a
%RSD		1.423	0.813	0.000	0.965	0.982	0.483	0.368	2.056

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:14:33	95.920	98.910	520.200	26250.000	25030.000	96.120	93.980	92.020
2	21:15:16	101.600	100.100	518.700	26420.000	25470.000	96.340	93.040	92.680
3	21:15:59	98.990	100.300	521.000	26460.000	25380.000	96.460	94.770	94.170
x		98.837%	99.787%	103.991%	105.506%	101.168%	96.306%	93.931%	92.957%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		2.882	0.767	0.227	0.412	0.933	0.178	0.917	1.189

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:14:33	93.240	100.900	99.380	97.160	94.660	98.290	0.000	103.000
2	21:15:16	92.820	101.000	97.840	97.390	94.330	99.950	0.000	103.400
3	21:15:59	92.690	100.800	97.510	101.000	94.290	106.100	0.000	102.400
x		92.917%	100.866%	98.242%	98.511%	94.424%	101.457%	0.000	102.944%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.307	0.109	1.016	2.175	0.214	4.076	0.000	0.481

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:14:33	77.489%	98.950	97.650	76.449%	96.930	96.900	98.800	96.930
2	21:15:16	78.545%	101.800	101.700	77.697%	97.360	96.750	98.130	97.160
3	21:15:59	79.254%	101.500	102.800	77.863%	96.650	96.740	98.860	97.910
x		78.429%	100.743%	100.706%	77.336%	96.982%	96.798%	98.596%	97.334%
σ		0.888%	n/a	n/a	0.773%	n/a	n/a	n/a	n/a
%RSD		1.132	1.547	2.680	0.999	0.369	0.095	0.408	0.526

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:14:33	80.429%	97.120	100.300	100.800	96.730	98.100	87.969%	88.697%
2	21:15:16	82.187%	97.780	100.200	100.300	95.260	95.860	88.999%	90.170%
3	21:15:59	81.888%	98.610	100.400	100.500	96.710	97.640	88.790%	89.977%
x		81.501%	97.834%	100.301%	100.517%	96.229%	97.196%	88.586%	89.615%
σ		0.940%	n/a	n/a	n/a	n/a	n/a	0.545%	0.800%
%RSD		1.154	0.763	0.105	0.233	0.877	1.218	0.615	0.893

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:14:33	95.360	96.370	96.700	96.910	96.770	88.776%
2	21:15:16	96.730	97.600	97.320	98.110	97.390	89.170%
3	21:15:59	96.570	97.690	97.080	98.120	97.690	88.989%
x		96.222%	97.221%	97.035%	97.710%	97.284%	88.978%
σ		n/a	n/a	n/a	n/a	n/a	0.197%
%RSD		0.777	0.758	0.325	0.712	0.483	0.222

CCB5 10/9/2012 9:21:07 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:50	103.640%	0.029	1.836	1.374	0.000	63.480	11.110	9.861
2	21:22:33	103.396%	-0.015	0.653	0.903	0.000	74.920	20.940	21.240
3	21:23:16	104.267%	-0.015	0.757	0.705	0.000	68.780	16.100	18.210
x		103.768%	-0.000	1.082	0.994	0.000	69.060	16.050	16.440
σ		0.449%	0.026	0.655	0.344	0.000	5.727	4.914	5.893
%RSD		0.433	8017.000	60.520	34.580	0.000	8.293	30.620	35.850

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:50	0.755	10.270	0.000	-20.190	2.658	17.710	88.240%	0.098
2	21:22:33	2.917	10.230	0.000	-17.510	41.440	31.510	89.545%	-0.054
3	21:23:16	2.279	9.183	0.000	-26.390	23.270	22.300	90.726%	-0.021
x		1.984	9.896	0.000	-21.360	22.450	23.840	89.504%	0.008
σ		1.111	0.618	0.000	4.555	19.400	7.029	1.244%	0.080
%RSD		55.980	6.245	0.000	21.320	86.410	29.480	1.390	1063.000

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:50	-0.146	-0.008	0.298	18.160	20.250	0.023	-0.807	0.017
2	21:22:33	0.264	0.042	0.624	20.910	29.420	0.039	-0.702	-0.013
3	21:23:16	0.184	0.035	0.440	15.810	14.460	0.030	-0.759	-0.002
x		0.101	0.023	0.454	18.300	21.370	0.031	-0.756	0.001
σ		0.217	0.027	0.163	2.553	7.542	0.008	0.053	0.015
%RSD		216.300	116.200	35.970	13.950	35.280	25.380	6.961	1899.000

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:50	-0.050	-0.151	-0.146	-0.242	-1.953	-3.499	0.000	0.108
2	21:22:33	-0.071	-0.075	-0.058	-0.495	-2.774	-3.641	0.000	0.241
3	21:23:16	-0.025	-0.140	-0.155	-0.410	-2.878	-2.854	0.000	0.190
x		-0.049	-0.122	-0.120	-0.382	-2.535	-3.331	0.000	0.179
σ		0.023	0.041	0.054	0.128	0.507	0.419	0.000	0.067
%RSD		47.090	33.890	44.670	33.580	20.000	12.590	0.000	37.480

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:50	94.080%	0.598	0.558	83.373%	0.026	0.017	0.041	0.020
2	21:22:33	95.385%	0.576	0.491	84.082%	0.022	0.033	0.011	0.014
3	21:23:16	96.611%	0.440	0.382	85.031%	0.014	0.025	0.009	0.011
x		95.359%	0.538	0.477	84.162%	0.021	0.025	0.020	0.015
σ		1.266%	0.085	0.089	0.832%	0.006	0.008	0.018	0.004
%RSD		1.327	15.860	18.570	0.989	28.720	31.420	89.260	30.070

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:50	85.655%	0.028	0.058	0.069	0.099	0.044	89.560%	90.340%
2	21:22:33	86.231%	0.016	0.094	0.092	0.137	0.128	91.038%	91.561%
3	21:23:16	87.269%	-0.058	0.083	0.080	0.126	0.121	91.235%	92.249%
x		86.385%	-0.005	0.079	0.080	0.121	0.098	90.611%	91.383%
σ		0.818%	0.047	0.018	0.011	0.020	0.046	0.915%	0.967%
%RSD		0.947	983.400	23.330	14.040	16.330	47.310	1.010	1.058

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:50	0.044	0.056	0.087	0.122	0.101	92.626%
2	21:22:33	0.042	0.059	0.082	0.084	0.087	93.406%
3	21:23:16	0.040	0.052	0.056	0.089	0.059	94.533%
x		0.042	0.056	0.075	0.098	0.082	93.522%
σ		0.002	0.003	0.017	0.020	0.021	0.959%
%RSD		5.141	6.202	21.960	20.700	26.080	1.025

180-14634-D-7-A 10/9/2012 9:25:28 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:26:11	113.392%	-0.015	10.930	13.110	0.000	143300.000	38960.000	40520.000
2	21:26:54	118.610%	0.004	11.250	11.670	0.000	143500.000	39680.000	41250.000
3	21:27:37	120.034%	0.004	12.120	11.480	0.000	143600.000	40060.000	41460.000
x		117.345%	-0.002	11.430	12.090	0.000	143500.000	39570.000	41080.000
σ		3.497%	0.011	0.618	0.892	0.000	171.000	557.600	492.700
%RSD		2.980	499.000	5.403	7.383	0.000	0.119	1.409	1.199

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:26:11	68.780	7324.000	0.000	1043.000	69110.000	72000.000	94.404%	7.962
2	21:26:54	69.870	7301.000	0.000	1025.000	69560.000	72120.000	98.515%	7.319
3	21:27:37	69.760	7363.000	0.000	1021.000	69660.000	72650.000	99.806%	6.627
x		69.470	7329.000	0.000	1030.000	69450.000	72260.000	97.575%	7.303
σ		0.599	31.370	0.000	12.220	290.900	342.200	2.821%	0.668
%RSD		0.863	0.428	0.000	1.187	0.419	0.474	2.891	9.142

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:26:11	-0.243	7.590	132.200	280.900	451.100	0.302	1.578	1.762
2	21:26:54	5.271	8.852	132.200	278.000	418.300	0.304	2.004	1.868
3	21:27:37	-5.164	9.441	130.900	277.000	430.200	0.292	2.101	1.715
x		-0.045	8.628	131.700	278.600	433.200	0.299	1.894	1.782
σ		5.220	0.945	0.758	2.041	16.600	0.006	0.279	0.078
%RSD		11560.000	10.960	0.575	0.732	3.833	2.006	14.700	4.390

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:26:11	1.739	8.502	7.946	-1.920	-6.246	-0.055	0.000	550.900
2	21:26:54	1.775	7.990	7.725	4.338	-6.473	0.720	0.000	550.300
3	21:27:37	1.713	8.767	8.449	-1.317	-7.179	0.124	0.000	548.300
x		1.742	8.420	8.040	0.367	-6.633	0.263	0.000	549.800
σ		0.031	0.395	0.371	3.452	0.486	0.406	0.000	1.333
%RSD		1.790	4.689	4.614	941.500	7.330	154.400	0.000	0.242

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:26:11	92.621%	1.222	1.266	82.324%	0.005	0.011	-0.060	-0.024
2	21:26:54	96.288%	1.301	1.289	84.353%	0.008	0.004	-0.024	-0.051
3	21:27:37	97.268%	0.923	1.085	85.420%	0.010	0.005	0.022	0.015
x		95.392%	1.149	1.213	84.032%	0.008	0.007	-0.020	-0.020
σ		2.450%	0.199	0.112	1.573%	0.003	0.004	0.041	0.034
%RSD		2.568	17.350	9.214	1.872	34.560	54.630	202.900	168.100

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:26:11	89.092%	4.487	0.355	0.329	120.000	122.900	98.156%	97.907%
2	21:26:54	93.681%	4.217	0.316	0.348	120.000	122.100	101.217%	101.727%
3	21:27:37	92.797%	4.296	0.240	0.235	122.900	126.500	102.696%	103.344%
x		91.857%	4.333	0.303	0.304	121.000	123.800	100.690%	100.993%
σ		2.435%	0.139	0.059	0.061	1.634	2.325	2.316%	2.792%
%RSD		2.651	3.204	19.320	19.970	1.351	1.878	2.300	2.764

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:26:11	0.220	0.197	0.081	0.139	0.123	93.859%
2	21:26:54	0.135	0.133	0.082	0.090	0.087	97.324%
3	21:27:37	0.092	0.087	0.059	0.085	0.073	97.498%
x		0.149	0.139	0.074	0.105	0.094	96.227%
σ		0.065	0.055	0.013	0.030	0.026	2.053%
%RSD		43.630	39.720	17.540	28.470	27.390	2.133

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:30:30	110.768%	0.026	33.520	38.880	0.000	64420.000	28610.000	31240.000
2	21:31:13	110.658%	0.068	30.400	38.540	0.000	64440.000	28050.000	30900.000
3	21:31:56	110.880%	0.109	37.210	39.230	0.000	63940.000	26730.000	31200.000
x		110.768%	0.068	33.710	38.880	0.000	64270.000	27800.000	31110.000
σ		0.111%	0.041	3.408	0.345	0.000	287.800	963.600	183.600
%RSD		0.101	61.000	10.110	0.886	0.000	0.448	3.467	0.590

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:30:30	652.900	6548.000	0.000	1763.000	114700.000	131700.000	92.336%	16.100
2	21:31:13	661.500	6593.000	0.000	1756.000	115700.000	131200.000	93.251%	16.600
3	21:31:56	654.400	6476.000	0.000	1737.000	115300.000	131500.000	93.297%	19.450
x		656.300	6539.000	0.000	1752.000	115200.000	131500.000	92.961%	17.380
σ		4.616	58.990	0.000	13.400	483.700	282.500	0.542%	1.808
%RSD		0.703	0.902	0.000	0.765	0.420	0.215	0.583	10.400

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:30:30	1.768	9.327	5110.000	1742.000	1958.000	7.503	7.153	3.473
2	21:31:13	2.686	8.706	5076.000	1734.000	1952.000	7.580	7.437	3.798
3	21:31:56	4.155	8.486	5075.000	1720.000	1938.000	7.450	7.228	3.601
x		2.869	8.840	5087.000	1732.000	1949.000	7.511	7.273	3.624
σ		1.204	0.436	19.940	10.740	10.650	0.065	0.147	0.164
%RSD		41.960	4.936	0.392	0.620	0.546	0.870	2.020	4.520

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:30:30	3.443	6.737	6.396	1.047	-6.077	-1.566	0.000	939.600
2	21:31:13	3.885	6.288	6.301	4.983	-6.421	1.132	0.000	932.800
3	21:31:56	3.632	6.554	5.914	4.349	-6.129	-1.553	0.000	935.800
x		3.653	6.526	6.203	3.460	-6.209	-0.662	0.000	936.100
σ		0.222	0.226	0.255	2.113	0.185	1.554	0.000	3.450
%RSD		6.074	3.458	4.115	61.080	2.982	234.700	0.000	0.368

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:30:30	91.552%	1.410	1.465	81.008%	0.010	0.009	0.241	0.284
2	21:31:13	93.235%	1.437	1.311	81.029%	0.010	0.011	0.213	0.205
3	21:31:56	93.413%	1.321	1.360	81.932%	0.007	0.011	0.140	0.208
x		92.733%	1.390	1.379	81.323%	0.009	0.010	0.198	0.233
σ		1.027%	0.061	0.079	0.528%	0.002	0.001	0.052	0.045
%RSD		1.107	4.383	5.713	0.649	21.820	8.449	26.430	19.160

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:30:30	89.372%	3.207	0.349	0.402	451.700	462.500	97.935%	97.260%
2	21:31:13	89.457%	3.286	0.298	0.303	451.400	465.800	98.496%	98.418%
3	21:31:56	90.204%	3.432	0.376	0.367	457.000	464.400	98.732%	98.748%
x		89.678%	3.309	0.341	0.357	453.300	464.200	98.388%	98.142%
σ		0.458%	0.114	0.040	0.050	3.135	1.658	0.409%	0.781%
%RSD		0.511	3.443	11.650	13.930	0.692	0.357	0.416	0.796

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:30:30	0.051	0.085	1.149	1.145	1.121	93.346%
2	21:31:13	0.050	0.062	1.102	1.093	1.062	95.334%
3	21:31:56	0.040	0.053	1.000	1.078	1.036	95.526%
x		0.047	0.067	1.084	1.105	1.073	94.735%
σ		0.006	0.016	0.076	0.035	0.044	1.207%
%RSD		13.240	24.550	7.044	3.180	4.076	1.274

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:34:49	108.357%	0.091	57.820	62.010	0.000	89660.000	15500.000	16160.000
2	21:35:32	110.857%	0.047	58.810	62.040	0.000	89510.000	15610.000	16200.000
3	21:36:15	112.015%	-0.015	57.980	63.880	0.000	89390.000	15400.000	16140.000
x		110.410%	0.041	58.200	62.640	0.000	89520.000	15500.000	16170.000
σ		1.870%	0.053	0.530	1.073	0.000	130.600	108.000	30.680
%RSD		1.694	129.900	0.911	1.712	0.000	0.146	0.697	0.190

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:34:49	512.800	4756.000	0.000	3232.000	59940.000	61590.000	89.673%	19.400
2	21:35:32	525.200	4775.000	0.000	3255.000	58580.000	61570.000	91.976%	18.840
3	21:36:15	520.100	4705.000	0.000	3086.000	60130.000	61890.000	92.808%	18.530
x		519.400	4745.000	0.000	3191.000	59550.000	61680.000	91.486%	18.920
σ		6.195	36.090	0.000	91.690	842.800	178.700	1.624%	0.445
%RSD		1.193	0.760	0.000	2.873	1.415	0.290	1.775	2.350

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:34:49	4.721	7.184	972.800	677.300	797.700	0.482	0.841	1.837
2	21:35:32	5.629	7.519	965.300	671.400	807.400	0.452	1.023	1.722
3	21:36:15	2.866	7.635	964.900	665.800	796.800	0.421	0.951	1.935
x		4.405	7.446	967.700	671.500	800.700	0.451	0.938	1.831
σ		1.408	0.234	4.453	5.736	5.894	0.031	0.092	0.106
%RSD		31.960	3.140	0.460	0.854	0.736	6.774	9.754	5.808

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:34:49	1.800	2.882	2.598	3.414	-6.155	-2.525	0.000	1083.000
2	21:35:32	1.712	3.153	2.972	2.469	-6.280	-2.039	0.000	1091.000
3	21:36:15	1.786	3.063	2.223	0.733	-6.219	-0.881	0.000	1095.000
x		1.766	3.033	2.598	2.205	-6.218	-1.815	0.000	1090.000
σ		0.047	0.138	0.375	1.360	0.063	0.845	0.000	6.303
%RSD		2.671	4.539	14.420	61.680	1.008	46.530	0.000	0.578

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:34:49	89.616%	1.078	1.279	79.749%	0.006	0.003	-0.056	-0.041
2	21:35:32	92.084%	1.221	1.166	81.511%	-0.004	-0.000	-0.042	-0.021
3	21:36:15	92.732%	1.274	1.105	81.367%	0.000	0.001	0.002	-0.020
x		91.478%	1.191	1.184	80.876%	0.001	0.001	-0.032	-0.027
σ		1.644%	0.102	0.088	0.979%	0.005	0.002	0.030	0.012
%RSD		1.798	8.528	7.437	1.210	797.000	135.600	94.820	43.240

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:34:49	88.447%	3.253	0.205	0.297	399.300	404.300	97.049%	96.354%
2	21:35:32	89.061%	3.296	0.264	0.274	406.100	412.500	98.824%	98.626%
3	21:36:15	90.899%	2.986	0.202	0.296	398.600	408.600	100.362%	99.362%
x		89.469%	3.179	0.223	0.289	401.300	408.500	98.745%	98.114%
σ		1.276%	0.168	0.035	0.013	4.120	4.066	1.658%	1.568%
%RSD		1.426	5.296	15.640	4.524	1.026	0.996	1.679	1.598

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:34:49	0.035	0.042	0.440	0.438	0.434	94.357%
2	21:35:32	0.050	0.038	0.449	0.462	0.435	96.533%
3	21:36:15	0.024	0.031	0.360	0.403	0.400	96.680%
x		0.036	0.037	0.416	0.435	0.423	95.857%
σ		0.013	0.006	0.049	0.030	0.020	1.301%
%RSD		35.890	15.110	11.680	6.819	4.761	1.357

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:39:09	112.267%	0.108	22.470	26.340	0.000	56890.000	56840.000	59050.000
2	21:39:52	115.839%	0.045	23.590	24.570	0.000	56920.000	57250.000	59350.000
3	21:40:35	118.026%	0.043	21.300	25.270	0.000	56770.000	57140.000	59160.000
x		115.377%	0.065	22.450	25.390	0.000	56860.000	57080.000	59180.000
σ		2.907%	0.037	1.147	0.889	0.000	82.860	209.000	150.800
%RSD		2.520	56.410	5.110	3.500	0.000	0.146	0.366	0.255

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:39:09	21.860	9608.000	0.000	1321.000	78210.000	79660.000	92.344%	5.216
2	21:39:52	23.400	9601.000	0.000	1327.000	78590.000	81760.000	94.302%	4.580
3	21:40:35	20.740	9654.000	0.000	1337.000	78910.000	82310.000	94.720%	5.290
x		22.000	9621.000	0.000	1328.000	78570.000	81240.000	93.789%	5.029
σ		1.334	28.720	0.000	7.831	347.900	1396.000	1.268%	0.390
%RSD		6.063	0.299	0.000	0.590	0.443	1.718	1.352	7.761

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:39:09	1.599	7.883	2357.000	56.370	250.800	6.345	27.780	0.985
2	21:39:52	3.509	8.423	2365.000	59.320	241.500	6.453	27.500	1.026
3	21:40:35	3.205	8.924	2378.000	60.740	246.200	6.503	28.060	0.963
x		2.771	8.410	2367.000	58.810	246.100	6.434	27.780	0.991
σ		1.026	0.520	10.490	2.231	4.627	0.080	0.282	0.032
%RSD		37.040	6.188	0.443	3.794	1.880	1.251	1.017	3.236

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:39:09	1.158	36.190	36.300	3.254	-6.805	0.049	0.000	422.100
2	21:39:52	1.075	36.400	35.530	0.314	-6.624	-0.633	0.000	424.300
3	21:40:35	1.014	35.200	34.770	1.716	-6.674	0.280	0.000	430.200
x		1.082	35.930	35.530	1.761	-6.701	-0.102	0.000	425.600
σ		0.072	0.641	0.768	1.471	0.093	0.475	0.000	4.206
%RSD		6.691	1.784	2.162	83.500	1.395	467.400	0.000	0.988

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:39:09	91.943%	0.470	0.499	80.688%	0.002	0.006	0.630	0.660
2	21:39:52	93.188%	0.484	0.624	81.707%	-0.007	0.001	0.790	0.715
3	21:40:35	93.187%	0.416	0.472	82.107%	-0.004	0.003	0.622	0.634
x		92.773%	0.457	0.532	81.501%	-0.003	0.003	0.680	0.670
σ		0.718%	0.036	0.081	0.731%	0.005	0.003	0.095	0.042
%RSD		0.774	7.813	15.250	0.897	155.700	76.960	13.920	6.220

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:39:09	88.880%	2.673	0.103	0.108	85.980	90.700	98.607%	98.173%
2	21:39:52	90.099%	2.707	0.109	0.126	87.170	91.800	99.608%	100.279%
3	21:40:35	90.575%	2.622	0.083	0.143	91.060	90.390	100.101%	100.055%
x		89.851%	2.667	0.098	0.125	88.070	90.960	99.439%	99.502%
σ		0.874%	0.043	0.014	0.018	2.657	0.737	0.762%	1.156%
%RSD		0.973	1.604	13.780	14.190	3.017	0.811	0.766	1.162

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:39:09	0.015	0.026	0.057	0.080	0.062	93.249%
2	21:39:52	0.028	0.016	0.034	0.032	0.033	95.072%
3	21:40:35	0.024	0.018	0.036	0.027	0.035	95.880%
x		0.022	0.020	0.042	0.046	0.043	94.733%
σ		0.006	0.005	0.013	0.029	0.016	1.348%
%RSD		28.320	24.170	30.260	63.160	37.270	1.423

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:43:28	116.188%	0.005	2.313	1.178	0.000	161.800	45.470	48.570
2	21:44:11	117.651%	0.024	1.218	1.546	0.000	154.200	45.540	44.040
3	21:44:54	115.864%	0.025	1.457	1.197	0.000	143.600	34.350	41.610
x		116.568%	0.018	1.663	1.307	0.000	153.200	41.790	44.740
σ		0.952%	0.011	0.576	0.207	0.000	9.112	6.438	3.531
%RSD		0.817	63.300	34.620	15.850	0.000	5.948	15.410	7.894

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:43:28	54.900	32.770	0.000	15.350	259.200	237.500	90.972%	3.887
2	21:44:11	55.810	31.520	0.000	14.650	206.000	223.900	92.903%	5.327
3	21:44:54	56.530	30.950	0.000	9.536	177.200	214.100	93.770%	6.015
x		55.750	31.750	0.000	13.180	214.100	225.100	92.548%	5.076
σ		0.817	0.931	0.000	3.174	41.570	11.750	1.432%	1.086
%RSD		1.465	2.934	0.000	24.080	19.420	5.217	1.548	21.380

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:43:28	3.771	10.590	1.540	48.110	15.570	0.029	-0.261	0.367
2	21:44:11	5.115	9.830	1.335	42.080	12.040	0.022	-0.350	0.575
3	21:44:54	0.748	9.402	1.117	37.540	8.050	0.003	-0.328	0.534
x		3.211	9.941	1.331	42.580	11.890	0.018	-0.313	0.492
σ		2.237	0.603	0.212	5.305	3.762	0.014	0.046	0.110
%RSD		69.660	6.063	15.900	12.460	31.650	75.600	14.770	22.330

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:43:28	0.436	3.846	3.977	-1.452	-6.918	-1.238	0.000	0.499
2	21:44:11	0.527	3.954	3.884	1.045	-6.650	-1.496	0.000	0.407
3	21:44:54	0.546	3.403	3.447	-0.624	-6.859	-1.994	0.000	0.320
x		0.503	3.734	3.770	-0.343	-6.809	-1.576	0.000	0.409
σ		0.059	0.291	0.283	1.272	0.141	0.384	0.000	0.090
%RSD		11.700	7.807	7.504	370.400	2.071	24.380	0.000	21.910

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:43:28	90.773%	0.288	0.190	81.922%	-0.006	-0.002	-0.021	-0.002
2	21:44:11	91.794%	0.187	0.203	83.013%	-0.004	0.007	-0.059	-0.064
3	21:44:54	92.155%	0.160	0.174	83.627%	-0.003	-0.001	-0.001	-0.008
x		91.574%	0.212	0.189	82.854%	-0.004	0.002	-0.027	-0.025
σ		0.717%	0.068	0.015	0.864%	0.001	0.005	0.029	0.034
%RSD		0.782	31.880	7.776	1.042	33.400	315.800	108.500	137.600

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:43:28	88.817%	1.776	0.090	0.112	0.409	0.331	95.880%	96.313%
2	21:44:11	89.154%	1.676	0.104	0.109	0.327	0.193	98.041%	97.536%
3	21:44:54	91.255%	1.826	0.096	0.123	0.191	0.259	98.098%	98.755%
x		89.742%	1.759	0.097	0.115	0.309	0.261	97.339%	97.535%
σ		1.321%	0.077	0.007	0.007	0.110	0.069	1.265%	1.221%
%RSD		1.472	4.358	7.048	6.102	35.610	26.530	1.299	1.252

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:43:28	0.005	0.013	0.117	0.137	0.112	96.454%
2	21:44:11	-0.002	0.010	0.097	0.077	0.093	97.880%
3	21:44:54	-0.000	0.008	0.056	0.069	0.071	98.012%
x		0.001	0.010	0.090	0.094	0.092	97.449%
σ		0.004	0.002	0.031	0.037	0.021	0.864%
%RSD		357.300	21.040	34.560	39.330	22.520	0.886

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:47:48	110.392%	0.027	26.740	30.980	0.000	126600.000	42500.000	44050.000
2	21:48:31	113.561%	0.066	25.760	27.940	0.000	126300.000	42800.000	44390.000
3	21:49:15	114.139%	0.045	26.910	28.310	0.000	126900.000	43140.000	44470.000
x		112.697%	0.046	26.470	29.080	0.000	126600.000	42810.000	44300.000
σ		2.017%	0.020	0.620	1.655	0.000	287.300	317.600	226.000
%RSD		1.790	42.830	2.341	5.692	0.000	0.227	0.742	0.510

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:47:48	330.300	4475.000	0.000	1169.000	108400.000	125600.000	91.719%	10.350
2	21:48:31	329.500	4415.000	0.000	1173.000	109500.000	127000.000	94.040%	9.705
3	21:49:15	330.600	4475.000	0.000	1175.000	109800.000	126600.000	94.782%	11.360
x		330.200	4455.000	0.000	1172.000	109200.000	126400.000	93.514%	10.470
σ		0.568	34.330	0.000	3.081	756.500	719.500	1.598%	0.834
%RSD		0.172	0.771	0.000	0.263	0.693	0.569	1.709	7.959

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:47:48	-0.606	7.489	1637.000	702.000	974.300	2.596	2.065	1.117
2	21:48:31	2.704	7.991	1641.000	702.800	968.200	2.650	2.719	1.042
3	21:49:15	-3.577	7.734	1639.000	699.700	980.100	2.554	2.295	0.992
x		-0.493	7.738	1639.000	701.500	974.200	2.600	2.360	1.050
σ		3.142	0.251	1.925	1.569	5.934	0.048	0.332	0.063
%RSD		636.900	3.246	0.117	0.224	0.609	1.846	14.060	5.970

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:47:48	1.222	7.596	7.537	-0.385	-6.371	-1.231	0.000	732.400
2	21:48:31	1.401	7.861	7.537	-0.458	-6.300	-1.382	0.000	731.300
3	21:49:15	1.230	7.377	6.967	0.357	-7.354	-0.624	0.000	729.900
x		1.284	7.611	7.347	-0.162	-6.675	-1.079	0.000	731.200
σ		0.101	0.242	0.329	0.451	0.590	0.402	0.000	1.236
%RSD		7.868	3.185	4.480	278.200	8.831	37.210	0.000	0.169

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:47:48	91.271%	1.144	1.142	80.779%	0.007	0.008	-0.061	-0.024
2	21:48:31	93.337%	1.201	1.222	82.350%	0.005	-0.001	-0.016	0.009
3	21:49:15	95.008%	1.207	1.227	82.645%	0.006	0.007	-0.060	-0.016
x		93.205%	1.184	1.197	81.925%	0.006	0.005	-0.046	-0.010
σ		1.872%	0.035	0.047	1.003%	0.001	0.005	0.026	0.017
%RSD		2.009	2.966	3.958	1.224	16.710	96.200	56.060	168.200

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:47:48	88.949%	2.649	0.106	0.146	181.300	186.000	98.408%	98.927%
2	21:48:31	91.036%	2.468	0.110	0.138	184.000	188.100	100.495%	100.269%
3	21:49:15	91.282%	2.515	0.143	0.136	184.600	188.700	100.884%	100.720%
x		90.422%	2.544	0.120	0.140	183.300	187.600	99.929%	99.972%
σ		1.282%	0.094	0.020	0.005	1.761	1.397	1.331%	0.933%
%RSD		1.417	3.688	16.870	3.863	0.960	0.744	1.332	0.933

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:47:48	0.008	0.008	0.442	0.410	0.412	93.469%
2	21:48:31	-0.009	0.018	0.383	0.381	0.369	95.733%
3	21:49:15	0.015	0.014	0.378	0.346	0.358	95.976%
x		0.005	0.014	0.401	0.379	0.380	95.059%
σ		0.012	0.005	0.036	0.032	0.029	1.383%
%RSD		266.700	36.410	8.918	8.389	7.508	1.454

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:55:49	106.616%	-0.015	0.741	0.849	0.000	74.160	4.634	4.582
2	21:56:32	107.718%	-0.015	0.036	0.425	0.000	77.530	6.066	6.492
3	21:57:15	109.461%	0.006	1.042	0.304	0.000	78.640	6.573	6.912
x		107.932%	-0.008	0.606	0.526	0.000	76.770	5.758	5.995
σ		1.434%	0.012	0.516	0.286	0.000	2.333	1.005	1.242
%RSD		1.329	152.100	85.210	54.380	0.000	3.039	17.460	20.720

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:55:49	0.265	0.107	0.000	-57.360	18.510	11.440	83.632%	-0.195
2	21:56:32	0.616	-0.007	0.000	-54.130	44.820	21.130	83.806%	-0.038
3	21:57:15	0.412	-0.265	0.000	-54.860	21.840	19.310	84.705%	-0.079
x		0.431	-0.055	0.000	-55.450	28.390	17.290	84.048%	-0.104
σ		0.176	0.190	0.000	1.697	14.330	5.154	0.576%	0.082
%RSD		40.880	347.700	0.000	3.060	50.460	29.800	0.685	78.420

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:55:49	0.344	0.268	0.296	17.420	0.949	0.006	-0.691	0.002
2	21:56:32	0.194	0.325	0.388	15.480	7.693	0.011	-0.652	-0.046
3	21:57:15	0.125	0.230	0.412	14.310	2.273	0.006	-0.457	-0.037
x		0.221	0.275	0.366	15.740	3.638	0.007	-0.600	-0.027
σ		0.112	0.048	0.061	1.568	3.574	0.003	0.125	0.025
%RSD		50.650	17.380	16.720	9.964	98.220	41.790	20.840	94.380

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:55:49	0.064	0.231	0.344	-0.922	-3.479	-0.755	0.000	0.084
2	21:56:32	0.035	0.311	0.382	0.173	-4.484	-2.088	0.000	0.131
3	21:57:15	0.035	0.249	0.248	-1.230	-4.626	-0.043	0.000	0.163
x		0.045	0.264	0.324	-0.660	-4.196	-0.962	0.000	0.126
σ		0.017	0.042	0.069	0.737	0.625	1.038	0.000	0.040
%RSD		37.660	15.930	21.310	111.800	14.900	107.900	0.000	31.770

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:55:49	77.596%	0.054	0.092	75.651%	0.000	-0.001	0.039	0.024
2	21:56:32	78.410%	0.065	0.053	75.781%	-0.007	0.008	0.085	0.056
3	21:57:15	78.036%	0.030	0.056	75.714%	0.007	0.004	-0.015	-0.012
x		78.014%	0.049	0.067	75.715%	0.000	0.004	0.036	0.023
σ		0.407%	0.018	0.022	0.065%	0.007	0.004	0.050	0.034
%RSD		0.522	35.970	32.190	0.085	5263.000	124.800	136.300	148.500

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:55:49	78.296%	-0.291	-0.016	-0.013	0.143	0.107	84.798%	86.163%
2	21:56:32	78.850%	-0.323	-0.016	-0.002	0.066	0.075	85.925%	87.572%
3	21:57:15	79.167%	-0.330	3.603	-0.002	0.140	0.050	87.244%	88.241%
x		78.771%	-0.315	1.190	-0.006	0.116	0.078	85.989%	87.325%
σ		0.441%	0.021	2.089	0.007	0.044	0.029	1.224%	1.061%
%RSD		0.560	6.614	175.500	117.100	37.580	36.960	1.424	1.215

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:55:49	-0.015	-0.010	0.084	0.084	0.068	88.156%
2	21:56:32	-0.009	-0.013	0.038	0.040	0.032	88.465%
3	21:57:15	-0.020	-0.008	0.010	0.035	0.016	89.059%
x		-0.015	-0.011	0.044	0.053	0.038	88.560%
σ		0.006	0.002	0.037	0.027	0.027	0.459%
%RSD		37.110	21.440	84.490	50.780	69.510	0.518

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:00:08	96.615%	43.160	926.000	1008.000	0.000	44070.000	55530.000	57950.000
2	22:00:51	101.546%	42.220	918.300	989.500	0.000	43240.000	55580.000	57630.000
3	22:01:34	103.351%	42.980	929.800	997.200	0.000	43680.000	55250.000	57790.000
x		100.504%	42.790	924.700	998.200	0.000	43660.000	55450.000	57790.000
σ		3.487%	0.500	5.866	9.266	0.000	414.000	174.700	160.600
%RSD		3.469	1.168	0.634	0.928	0.000	0.948	0.315	0.278

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:00:08	2155.000	9798.000	0.000	45120.000	47110.000	48840.000	82.866%	996.900
2	22:00:51	2146.000	9733.000	0.000	45030.000	46370.000	48960.000	85.428%	996.400
3	22:01:34	2150.000	9737.000	0.000	45150.000	47330.000	49050.000	86.703%	1008.000
x		2150.000	9756.000	0.000	45100.000	46940.000	48950.000	84.999%	1000.000
σ		4.603	36.920	0.000	62.300	506.700	104.600	1.954%	6.641
%RSD		0.214	0.379	0.000	0.138	1.079	0.214	2.299	0.664

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:00:08	496.100	201.000	520.000	1125.000	1228.000	438.700	423.500	212.400
2	22:00:51	495.800	201.600	517.900	1126.000	1232.000	441.100	425.900	213.000
3	22:01:34	492.400	200.000	518.100	1115.000	1210.000	440.500	420.500	211.900
x		494.800	200.900	518.700	1122.000	1223.000	440.100	423.300	212.400
σ		2.042	0.808	1.144	5.931	11.400	1.295	2.686	0.514
%RSD		0.413	0.402	0.221	0.529	0.931	0.294	0.634	0.242

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:00:08	210.400	466.000	457.800	33.940	4.737	8.824	0.000	1032.000
2	22:00:51	210.200	467.100	458.000	34.560	5.005	10.830	0.000	1036.000
3	22:01:34	210.700	469.600	459.900	38.830	4.983	9.711	0.000	1034.000
x		210.400	467.600	458.600	35.780	4.909	9.787	0.000	1034.000
σ		0.223	1.849	1.184	2.663	0.149	1.003	0.000	1.897
%RSD		0.106	0.396	0.258	7.442	3.028	10.250	0.000	0.184

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:00:08	79.709%	1030.000	1031.000	75.319%	48.780	47.570	50.730	46.460
2	22:00:51	81.566%	1043.000	1052.000	76.221%	48.620	47.550	49.550	45.860
3	22:01:34	82.257%	1049.000	1041.000	77.869%	49.280	47.580	50.500	45.510
x		81.177%	1041.000	1041.000	76.470%	48.890	47.570	50.260	45.940
σ		1.318%	9.931	10.680	1.293%	0.346	0.018	0.625	0.483
%RSD		1.623	0.954	1.025	1.691	0.708	0.038	1.244	1.052

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:00:08	81.264%	1999.000	516.000	522.600	1922.000	1962.000	90.459%	90.759%
2	22:00:51	83.767%	2000.000	513.900	521.400	1918.000	1961.000	93.338%	93.518%
3	22:01:34	84.878%	1995.000	513.400	520.500	1924.000	1958.000	94.139%	94.948%
x		83.303%	1998.000	514.400	521.500	1921.000	1960.000	92.645%	93.075%
σ		1.851%	2.401	1.404	1.044	3.203	1.930	1.935%	2.129%
%RSD		2.222	0.120	0.273	0.200	0.167	0.098	2.089	2.287

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:00:08	49.070	50.540	20.320	20.810	20.400	87.486%
2	22:00:51	49.300	50.040	20.560	20.220	20.280	90.059%
3	22:01:34	49.170	49.750	19.830	20.210	20.110	91.191%
x		49.180	50.110	20.240	20.410	20.260	89.579%
σ		0.116	0.403	0.373	0.347	0.146	1.898%
%RSD		0.235	0.804	1.844	1.702	0.720	2.119

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:07:23	106.706%	0.028	49.770	54.110	0.000	62530.000	23950.000	25030.000
2	22:08:05	107.491%	0.006	48.400	54.660	0.000	62620.000	24410.000	25360.000
3	22:08:49	110.363%	0.006	46.040	54.390	0.000	62120.000	24260.000	26380.000
x		108.187%	0.014	48.070	54.390	0.000	62420.000	24210.000	25590.000
σ		1.926%	0.013	1.886	0.274	0.000	263.400	232.600	706.000
%RSD		1.780	94.130	3.923	0.504	0.000	0.422	0.961	2.759

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:07:23	232.600	7413.000	0.000	1154.000	114400.000	129700.000	81.601%	9.159
2	22:08:05	235.300	7454.000	0.000	1159.000	113500.000	130000.000	83.140%	8.192
3	22:08:49	235.800	7243.000	0.000	1154.000	112700.000	131300.000	83.170%	9.810
x		234.600	7370.000	0.000	1156.000	113500.000	130300.000	82.637%	9.054
σ		1.746	111.600	0.000	2.882	856.000	840.800	0.898%	0.814
%RSD		0.744	1.514	0.000	0.249	0.754	0.645	1.086	8.988

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:07:23	3.264	4.445	1912.000	13030.000	12620.000	0.602	8.731	4.182
2	22:08:05	1.942	4.244	1923.000	13140.000	12660.000	0.639	8.843	4.314
3	22:08:49	3.249	4.169	1926.000	13190.000	12610.000	0.547	8.900	4.368
x		2.818	4.286	1920.000	13120.000	12630.000	0.596	8.825	4.288
σ		0.759	0.143	7.416	84.250	22.750	0.046	0.086	0.096
%RSD		26.930	3.335	0.386	0.642	0.180	7.763	0.977	2.232

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:07:23	4.414	48.770	47.260	34.180	-4.589	-1.038	0.000	879.500
2	22:08:05	4.190	48.240	47.090	32.980	-5.629	-1.424	0.000	884.100
3	22:08:49	3.853	47.710	47.120	33.230	-5.322	0.829	0.000	886.800
x		4.152	48.240	47.160	33.460	-5.180	-0.544	0.000	883.500
σ		0.282	0.528	0.089	0.637	0.534	1.205	0.000	3.694
%RSD		6.803	1.094	0.189	1.903	10.310	221.300	0.000	0.418

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:07:23	82.904%	12.370	12.660	73.897%	0.032	0.022	6.590	5.842
2	22:08:05	84.506%	12.270	12.060	75.587%	0.010	0.023	6.457	6.506
3	22:08:49	84.776%	11.330	12.090	75.767%	0.007	0.007	6.361	6.078
x		84.062%	11.990	12.270	75.084%	0.016	0.017	6.469	6.142
σ		1.012%	0.575	0.337	1.032%	0.013	0.009	0.115	0.337
%RSD		1.203	4.791	2.750	1.374	83.210	50.310	1.778	5.484

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:07:23	80.941%	5.660	0.474	0.496	697.600	717.900	90.343%	91.515%
2	22:08:05	82.173%	4.467	0.434	0.592	712.800	729.800	91.202%	92.668%
3	22:08:49	82.409%	3.777	0.505	0.437	708.600	722.400	93.542%	93.478%
x		81.841%	4.635	0.471	0.509	706.300	723.400	91.696%	92.554%
σ		0.788%	0.953	0.036	0.078	7.833	6.039	1.656%	0.987%
%RSD		0.963	20.560	7.603	15.400	1.109	0.835	1.806	1.066

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:07:23	0.104	0.126	0.624	0.551	0.616	89.477%
2	22:08:05	0.111	0.126	0.598	0.610	0.620	91.669%
3	22:08:49	0.099	0.109	0.646	0.614	0.610	92.857%
x		0.105	0.120	0.623	0.592	0.615	91.334%
σ		0.006	0.010	0.024	0.036	0.005	1.715%
%RSD		5.433	8.425	3.833	6.022	0.854	1.877

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:11:40	100.828%	0.558	40.590	45.910	0.000	38560.000	27020.000	29670.000
2	22:12:23	102.144%	0.549	43.430	47.240	0.000	38360.000	27350.000	29980.000
3	22:13:07	102.332%	0.435	41.430	46.930	0.000	38640.000	27660.000	30350.000
x		101.768%	0.514	41.820	46.690	0.000	38520.000	27340.000	30000.000
σ		0.820%	0.069	1.460	0.695	0.000	145.700	322.100	341.100
%RSD		0.805	13.380	3.490	1.489	0.000	0.378	1.178	1.137

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:11:40	6476.000	18000.000	0.000	5939.000	154800.000	175800.000	77.976%	85.430
2	22:12:23	6579.000	18230.000	0.000	5868.000	152900.000	175400.000	81.054%	87.080
3	22:13:07	6623.000	18340.000	0.000	5895.000	154200.000	175600.000	82.768%	87.870
x		6559.000	18190.000	0.000	5901.000	154000.000	175600.000	80.599%	86.790
σ		75.730	173.900	0.000	35.650	964.700	219.100	2.428%	1.246
%RSD		1.154	0.956	0.000	0.604	0.627	0.125	3.012	1.435

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:11:40	12.900	25.060	4343.000	141900.000	139600.000	5.742	16.560	31.100
2	22:12:23	13.370	25.510	4327.000	141000.000	138800.000	5.498	17.120	30.690
3	22:13:07	13.100	25.620	4313.000	140000.000	136400.000	5.568	16.790	29.820
x		13.120	25.400	4328.000	141000.000	138200.000	5.603	16.820	30.540
σ		0.232	0.295	15.410	927.700	1655.000	0.126	0.281	0.654
%RSD		1.769	1.162	0.356	0.658	1.197	2.242	1.667	2.142

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:11:40	32.110	302.000	298.900	39.520	-5.672	-3.124	0.000	929.000
2	22:12:23	31.270	300.600	296.500	41.470	-5.936	-2.528	0.000	940.600
3	22:13:07	30.060	296.100	298.500	41.640	-6.169	-3.713	0.000	928.000
x		31.150	299.600	298.000	40.870	-5.926	-3.122	0.000	932.500
σ		1.027	3.107	1.271	1.180	0.249	0.593	0.000	7.030
%RSD		3.298	1.037	0.427	2.888	4.201	18.980	0.000	0.754

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:11:40	84.500%	6.403	6.153	72.705%	0.123	0.140	13.570	13.950
2	22:12:23	86.566%	5.928	6.230	75.039%	0.117	0.102	14.220	13.950
3	22:13:07	89.027%	6.025	6.065	76.223%	0.132	0.131	13.830	14.050
x		86.698%	6.119	6.150	74.655%	0.124	0.124	13.870	13.980
σ		2.266%	0.251	0.083	1.790%	0.008	0.020	0.327	0.060
%RSD		2.614	4.100	1.344	2.398	6.199	16.290	2.360	0.430

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:11:40	78.666%	3.300	0.548	0.578	258.200	264.200	90.363%	90.313%
2	22:12:23	82.212%	3.055	0.571	0.632	256.000	264.900	92.520%	92.758%
3	22:13:07	82.702%	3.098	0.541	0.610	262.900	266.400	93.966%	94.861%
x		81.193%	3.151	0.553	0.607	259.000	265.200	92.283%	92.644%
σ		2.202%	0.131	0.016	0.028	3.547	1.138	1.813%	2.276%
%RSD		2.713	4.162	2.839	4.560	1.370	0.429	1.965	2.457

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:11:40	0.128	0.128	10.340	9.930	10.060	89.056%
2	22:12:23	0.132	0.119	10.100	10.110	10.100	91.867%
3	22:13:07	0.105	0.124	10.240	10.220	10.130	92.969%
x		0.121	0.124	10.230	10.090	10.100	91.297%
σ		0.015	0.005	0.121	0.145	0.038	2.018%
%RSD		11.990	3.645	1.185	1.438	0.381	2.210

CCV 586960 10/9/2012 10:18:13 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:56	87.497%	88.770	86.480	93.250	0.000	46250.000	52240.000	53810.000
2	22:19:39	84.606%	95.090	93.760	99.740	0.000	47220.000	53380.000	54810.000
3	22:20:22	87.377%	89.440	92.640	97.040	0.000	46900.000	52440.000	54000.000
x		86.493%	91.100%	90.964%	96.676%	0.000	93.578%	105.372%	108.409%
σ		1.636%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.891	3.812	4.308	3.371	0.000	1.062	1.149	0.978

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:56	516.300	5006.000	0.000	49010.000	46760.000	47970.000	78.222%	101.300
2	22:19:39	529.500	5085.000	0.000	49280.000	48260.000	48730.000	79.033%	102.600
3	22:20:22	519.500	4966.000	0.000	49300.000	47200.000	48600.000	78.862%	102.600
x		104.352%	100.377%	0.000	98.396%	94.814%	96.870%	78.705%	102.180%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.427%	n/a
%RSD		1.322	1.202	0.000	0.325	1.621	0.845	0.543	0.724

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:56	100.500	101.600	526.300	26990.000	25570.000	97.790	94.130	95.650
2	22:19:39	100.300	101.300	529.700	27080.000	25790.000	97.620	94.140	95.540
3	22:20:22	100.200	100.900	528.000	27070.000	25770.000	98.430	93.870	95.920
x		100.372%	101.264%	105.602%	108.183%	102.836%	97.948%	94.044%	95.702%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.145	0.379	0.320	0.190	0.471	0.437	0.163	0.204

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:56	94.940	102.900	101.000	98.740	96.440	103.900	0.000	104.800
2	22:19:39	94.520	100.700	99.800	100.900	94.190	105.100	0.000	105.100
3	22:20:22	93.970	102.700	100.900	101.200	100.300	105.900	0.000	105.000
x		94.475%	102.114%	100.562%	100.295%	96.975%	104.930%	0.000	104.939%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.516	1.189	0.655	1.347	3.188	0.965	0.000	0.153

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:56	77.525%	101.300	101.700	76.514%	99.050	97.780	99.220	99.780
2	22:19:39	78.736%	102.400	102.700	78.546%	98.390	97.560	100.200	98.810
3	22:20:22	78.331%	103.500	104.100	78.344%	98.550	97.980	97.630	100.000
x		78.197%	102.379%	102.833%	77.801%	98.664%	97.774%	99.023%	99.535%
σ		0.616%	n/a	n/a	1.119%	n/a	n/a	n/a	n/a
%RSD		0.788	1.092	1.141	1.438	0.345	0.214	1.319	0.641

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:56	81.173%	98.930	100.900	103.500	96.610	100.600	87.546%	89.155%
2	22:19:39	82.314%	99.410	102.000	102.800	97.180	99.360	89.606%	90.293%
3	22:20:22	82.051%	100.400	103.200	103.000	98.650	100.900	89.789%	90.099%
x		81.846%	99.570%	102.055%	103.113%	97.477%	100.302%	88.980%	89.849%
σ		0.597%	n/a	n/a	n/a	n/a	n/a	1.245%	0.609%
%RSD		0.730	0.737	1.105	0.312	1.081	0.827	1.400	0.677

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:18:56	95.050	96.540	96.740	97.760	97.310	90.574%
2	22:19:39	97.320	98.480	98.920	99.410	98.800	90.691%
3	22:20:22	97.530	97.920	98.080	98.720	98.320	90.411%
x		96.633%	97.644%	97.916%	98.628%	98.142%	90.558%
σ		n/a	n/a	n/a	n/a	n/a	0.141%
%RSD		1.424	1.021	1.120	0.838	0.773	0.155

CCB6 10/9/2012 10:25:30 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:26:13	108.901%	0.027	1.149	1.574	0.000	56.480	6.191	6.540
2	22:26:56	109.311%	-0.015	0.915	1.189	0.000	58.910	7.044	5.700
3	22:27:39	111.443%	-0.015	0.553	0.665	0.000	53.330	6.243	5.905
x		109.885%	-0.001	0.872	1.143	0.000	56.240	6.493	6.048
σ		1.365%	0.024	0.300	0.456	0.000	2.799	0.478	0.438
%RSD		1.242	2457.000	34.450	39.920	0.000	4.978	7.367	7.245

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:26:13	0.351	7.609	0.000	-35.260	9.413	5.054	89.921%	-0.201
2	22:26:56	0.392	7.298	0.000	-33.630	9.217	6.830	90.785%	-0.129
3	22:27:39	0.291	5.185	0.000	-31.820	5.707	11.870	90.823%	0.998
x		0.345	6.698	0.000	-33.570	8.112	7.917	90.509%	0.223
σ		0.050	1.319	0.000	1.719	2.085	3.534	0.510%	0.672
%RSD		14.620	19.690	0.000	5.121	25.700	44.640	0.563	301.700

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:26:13	-0.017	0.016	0.087	22.200	21.560	0.004	-0.656	-0.074
2	22:26:56	-0.056	0.028	0.129	16.730	13.060	0.001	-0.564	-0.031
3	22:27:39	0.159	-0.017	0.129	13.900	10.830	0.004	-0.672	-0.035
x		0.029	0.009	0.115	17.610	15.150	0.003	-0.631	-0.047
σ		0.114	0.023	0.024	4.219	5.665	0.002	0.058	0.024
%RSD		397.000	253.900	21.150	23.960	37.400	70.220	9.219	51.010

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:26:13	-0.088	-0.200	-0.007	0.163	-1.400	0.478	0.000	0.046
2	22:26:56	-0.077	-0.167	-0.139	-0.145	-2.900	0.080	0.000	0.042
3	22:27:39	-0.015	-0.153	-0.107	-0.326	-2.408	-0.635	0.000	0.038
x		-0.060	-0.173	-0.084	-0.102	-2.236	-0.026	0.000	0.042
σ		0.039	0.024	0.069	0.247	0.765	0.564	0.000	0.004
%RSD		65.530	13.910	82.020	241.100	34.190	2202.000	0.000	9.411

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:26:13	83.113%	0.479	0.617	81.885%	0.007	0.016	-0.033	-0.041
2	22:26:56	85.088%	0.677	0.594	83.314%	0.008	0.013	0.032	0.019
3	22:27:39	85.659%	0.508	0.522	83.609%	0.015	0.016	0.033	0.021
x		84.620%	0.554	0.578	82.936%	0.010	0.015	0.011	-0.000
σ		1.336%	0.107	0.050	0.922%	0.004	0.002	0.038	0.035
%RSD		1.579	19.260	8.586	1.112	39.740	13.270	357.100	8111.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:26:13	84.552%	0.044	0.063	0.044	-0.002	0.010	90.710%	90.458%
2	22:26:56	85.781%	-0.020	0.050	0.062	-0.043	0.015	91.010%	91.484%
3	22:27:39	86.150%	-0.145	0.064	0.043	0.007	0.032	91.481%	92.083%
x		85.494%	-0.040	0.059	0.050	-0.013	0.019	91.067%	91.342%
σ		0.837%	0.096	0.008	0.011	0.027	0.011	0.389%	0.821%
%RSD		0.979	240.100	13.530	21.940	210.300	58.690	0.427	0.899

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:26:13	0.034	0.040	0.103	0.107	0.100	93.934%
2	22:26:56	0.035	0.042	0.044	0.043	0.042	94.762%
3	22:27:39	0.031	0.040	0.003	0.008	0.012	95.417%
x		0.033	0.041	0.050	0.053	0.051	94.704%
σ		0.002	0.001	0.050	0.050	0.045	0.743%
%RSD		6.429	2.158	100.200	95.570	86.880	0.784

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:34	102.518%	-0.015	41.650	46.170	0.000	64970.000	45840.000	47950.000
2	22:31:17	106.160%	0.007	38.760	44.410	0.000	64480.000	46090.000	47770.000
3	22:32:00	109.361%	0.006	38.000	44.630	0.000	63290.000	45870.000	48010.000
x		106.013%	-0.001	39.470	45.070	0.000	64250.000	45930.000	47910.000
σ		3.424%	0.012	1.925	0.960	0.000	864.700	137.400	126.900
%RSD		3.230	1611.000	4.877	2.130	0.000	1.346	0.299	0.265

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:34	150.400	4170.000	0.000	1354.000	91730.000	91650.000	80.287%	3.002
2	22:31:17	151.200	4096.000	0.000	1337.000	90110.000	90690.000	83.662%	5.701
3	22:32:00	147.200	4102.000	0.000	1319.000	89940.000	101200.000	85.068%	3.669
x		149.600	4122.000	0.000	1337.000	90600.000	94510.000	83.006%	4.124
σ		2.108	41.220	0.000	17.700	987.700	5816.000	2.457%	1.406
%RSD		1.409	1.000	0.000	1.324	1.090	6.153	2.960	34.100

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:34	0.310	3.353	262.700	289.700	563.600	0.933	3.243	1.939
2	22:31:17	-2.138	3.911	259.600	282.200	532.500	0.831	3.108	1.808
3	22:32:00	-1.017	4.278	260.500	280.300	525.100	0.825	3.404	1.728
x		-0.948	3.847	260.900	284.100	540.400	0.863	3.252	1.825
σ		1.225	0.466	1.616	4.960	20.440	0.061	0.148	0.107
%RSD		129.200	12.110	0.619	1.746	3.782	7.015	4.556	5.840

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:34	2.067	7.797	6.922	-0.161	-3.757	0.676	0.000	516.800
2	22:31:17	1.906	7.247	6.961	1.850	-4.584	0.275	0.000	514.700
3	22:32:00	1.975	7.996	7.458	-1.148	-5.258	0.093	0.000	517.800
x		1.983	7.680	7.114	0.180	-4.533	0.348	0.000	516.400
σ		0.081	0.388	0.299	1.528	0.752	0.299	0.000	1.605
%RSD		4.088	5.053	4.198	847.700	16.590	85.820	0.000	0.311

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:34	82.487%	0.841	0.658	76.388%	0.013	0.000	0.248	0.227
2	22:31:17	85.206%	0.656	0.703	77.302%	0.003	0.007	0.285	0.230
3	22:32:00	87.120%	0.566	0.553	78.778%	0.003	0.003	0.286	0.243
x		84.938%	0.688	0.638	77.489%	0.006	0.004	0.273	0.233
σ		2.328%	0.140	0.077	1.206%	0.006	0.003	0.022	0.009
%RSD		2.741	20.410	12.000	1.556	95.660	92.870	8.018	3.691

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:34	82.020%	1.214	0.192	0.192	137.600	139.600	90.422%	89.989%
2	22:31:17	84.158%	1.113	0.176	0.163	139.800	140.700	92.476%	93.672%
3	22:32:00	84.917%	0.839	0.106	0.157	135.600	142.900	93.940%	94.368%
x		83.698%	1.055	0.158	0.170	137.700	141.100	92.279%	92.676%
σ		1.502%	0.194	0.046	0.019	2.087	1.713	1.767%	2.353%
%RSD		1.795	18.410	29.170	11.080	1.516	1.214	1.915	2.539

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:34	0.161	0.170	0.242	0.214	0.213	85.614%
2	22:31:17	0.110	0.126	0.159	0.179	0.172	87.961%
3	22:32:00	0.096	0.103	0.163	0.164	0.166	88.453%
x		0.122	0.133	0.188	0.186	0.184	87.343%
σ		0.034	0.034	0.047	0.026	0.026	1.517%
%RSD		28.040	25.320	25.040	13.970	14.020	1.737

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:34:53	102.321%	0.008	47.540	52.240	0.000	61680.000	23460.000	24570.000
2	22:35:35	103.934%	-0.015	45.400	51.530	0.000	60880.000	23410.000	24520.000
3	22:36:19	105.017%	0.007	45.070	50.110	0.000	60640.000	23380.000	24420.000
x		103.758%	-0.000	46.000	51.290	0.000	61070.000	23420.000	24500.000
σ		1.357%	0.013	1.342	1.086	0.000	545.100	38.250	77.540
%RSD		1.307	6486.000	2.917	2.116	0.000	0.893	0.163	0.317

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:34:53	207.300	7076.000	0.000	1132.000	112300.000	125800.000	80.202%	6.491
2	22:35:35	210.100	7153.000	0.000	1123.000	110900.000	126900.000	80.905%	7.894
3	22:36:19	207.000	7107.000	0.000	1111.000	111200.000	126800.000	81.358%	7.970
x		208.100	7112.000	0.000	1122.000	111500.000	126500.000	80.822%	7.452
σ		1.713	38.490	0.000	10.720	728.500	570.000	0.583%	0.833
%RSD		0.823	0.541	0.000	0.955	0.654	0.451	0.721	11.170

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:34:53	2.053	3.606	1883.000	12860.000	12300.000	0.546	8.994	4.036
2	22:35:35	0.972	3.379	1877.000	12830.000	12280.000	0.474	8.758	3.976
3	22:36:19	1.318	3.079	1873.000	12750.000	12160.000	0.523	8.528	3.757
x		1.447	3.355	1878.000	12810.000	12250.000	0.514	8.760	3.923
σ		0.552	0.265	5.107	53.870	74.540	0.037	0.233	0.147
%RSD		38.140	7.888	0.272	0.420	0.609	7.199	2.663	3.743

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:34:53	3.609	47.600	48.570	35.160	-5.915	-1.802	0.000	853.900
2	22:35:35	4.099	48.650	47.440	36.040	-5.422	-1.269	0.000	855.700
3	22:36:19	3.918	46.350	48.680	32.220	-5.887	-2.346	0.000	860.400
x		3.876	47.540	48.230	34.470	-5.741	-1.805	0.000	856.700
σ		0.248	1.151	0.687	2.002	0.277	0.539	0.000	3.340
%RSD		6.398	2.420	1.424	5.808	4.822	29.830	0.000	0.390

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:34:53	81.988%	10.250	10.000	74.173%	0.009	0.026	6.387	5.848
2	22:35:35	83.157%	9.723	10.210	74.346%	0.012	0.009	5.903	5.751
3	22:36:19	83.448%	10.320	10.080	74.770%	0.021	0.007	5.683	5.672
x		82.864%	10.100	10.100	74.430%	0.014	0.014	5.991	5.757
σ		0.773%	0.325	0.103	0.307%	0.006	0.010	0.360	0.088
%RSD		0.933	3.221	1.021	0.412	43.140	69.920	6.014	1.533

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:34:53	79.993%	1.464	0.392	0.395	685.700	698.800	90.042%	91.482%
2	22:35:35	80.406%	1.357	0.389	0.390	691.700	697.900	91.973%	92.393%
3	22:36:19	81.859%	1.393	0.379	0.450	678.800	691.600	91.934%	92.707%
x		80.753%	1.405	0.387	0.412	685.400	696.100	91.317%	92.194%
σ		0.980%	0.055	0.007	0.033	6.419	3.918	1.104%	0.636%
%RSD		1.214	3.902	1.758	8.067	0.936	0.563	1.209	0.690

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:34:53	0.085	0.072	0.589	0.591	0.569	88.688%
2	22:35:35	0.053	0.053	0.619	0.570	0.579	90.462%
3	22:36:19	0.059	0.052	0.575	0.562	0.571	90.945%
x		0.066	0.059	0.595	0.574	0.573	90.032%
σ		0.017	0.011	0.022	0.015	0.005	1.189%
%RSD		25.730	19.380	3.784	2.598	0.886	1.320

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:39:12	100.001%	0.170	34.930	39.550	0.000	79950.000	18110.000	18890.000
2	22:39:55	101.825%	0.416	34.170	40.070	0.000	79590.000	18070.000	19040.000
3	22:40:38	101.414%	0.349	35.430	38.610	0.000	80180.000	18390.000	19190.000
x		101.080%	0.312	34.840	39.410	0.000	79900.000	18190.000	19040.000
σ		0.957%	0.127	0.633	0.744	0.000	297.300	176.200	150.900
%RSD		0.946	40.870	1.816	1.888	0.000	0.372	0.969	0.792

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:39:12	6345.000	10950.000	0.000	3394.000	50090.000	51340.000	78.050%	85.360
2	22:39:55	6385.000	10940.000	0.000	3387.000	49480.000	51830.000	79.385%	90.410
3	22:40:38	6494.000	11050.000	0.000	3612.000	49280.000	51880.000	78.826%	90.640
x		6408.000	10980.000	0.000	3465.000	49610.000	51680.000	78.754%	88.800
σ		76.780	59.150	0.000	127.600	422.300	296.400	0.671%	2.984
%RSD		1.198	0.539	0.000	3.684	0.851	0.574	0.852	3.360

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:39:12	11.260	29.220	186.500	12160.000	11440.000	4.613	17.330	12.350
2	22:39:55	10.390	28.440	188.000	12170.000	11470.000	4.603	16.310	12.340
3	22:40:38	8.738	28.950	188.800	12270.000	11450.000	4.610	17.120	12.220
x		10.130	28.870	187.800	12200.000	11450.000	4.609	16.920	12.300
σ		1.280	0.395	1.158	64.570	16.900	0.005	0.538	0.070
%RSD		12.640	1.368	0.617	0.529	0.147	0.107	3.178	0.569

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:39:12	12.110	36.680	34.620	0.193	-4.637	-0.856	0.000	589.000
2	22:39:55	12.050	36.670	35.690	2.887	-4.726	-2.325	0.000	597.200
3	22:40:38	12.450	36.430	35.550	2.111	-4.791	-1.866	0.000	592.500
x		12.200	36.600	35.290	1.731	-4.718	-1.682	0.000	592.900
σ		0.216	0.141	0.581	1.387	0.077	0.751	0.000	4.112
%RSD		1.768	0.384	1.647	80.140	1.638	44.660	0.000	0.694

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:39:12	82.298%	2.160	1.843	72.083%	0.104	0.115	0.099	0.084
2	22:39:55	83.755%	2.033	1.985	73.207%	0.088	0.135	0.042	0.048
3	22:40:38	85.045%	1.910	1.992	73.578%	0.127	0.121	0.003	0.023
x		83.699%	2.034	1.940	72.956%	0.106	0.124	0.048	0.052
σ		1.374%	0.125	0.084	0.778%	0.020	0.010	0.048	0.031
%RSD		1.642	6.162	4.318	1.067	18.520	8.144	101.200	59.730

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:39:12	79.179%	1.310	0.346	0.377	132.400	132.700	88.809%	89.424%
2	22:39:55	80.330%	1.280	0.292	0.347	132.000	138.300	88.885%	90.636%
3	22:40:38	81.577%	1.306	0.325	0.339	134.400	135.500	90.985%	92.318%
x		80.362%	1.299	0.321	0.355	133.000	135.500	89.560%	90.793%
σ		1.199%	0.016	0.027	0.020	1.269	2.836	1.235%	1.454%
%RSD		1.493	1.251	8.528	5.651	0.955	2.093	1.379	1.601

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:39:12	0.119	0.115	4.029	3.858	3.902	86.095%
2	22:39:55	0.115	0.124	4.256	4.192	4.314	80.912%
3	22:40:38	0.095	0.106	3.915	4.024	3.901	88.852%
x		0.110	0.115	4.067	4.025	4.039	85.286%
σ		0.013	0.009	0.173	0.167	0.238	4.031%
%RSD		11.440	7.790	4.265	4.140	5.888	4.727

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:43:31	99.460%	0.217	10.190	12.760	0.000	122200.000	31520.000	34850.000
2	22:44:14	100.896%	0.373	10.880	12.030	0.000	121600.000	29090.000	35310.000
3	22:44:57	104.154%	0.273	9.709	10.950	0.000	120600.000	33190.000	35260.000
x		101.503%	0.288	10.260	11.910	0.000	121500.000	31270.000	35140.000
σ		2.405%	0.079	0.590	0.909	0.000	839.500	2061.000	253.400
%RSD		2.369	27.540	5.752	7.628	0.000	0.691	6.591	0.721

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:43:31	6625.000	15010.000	0.000	2174.000	62340.000	65220.000	78.307%	88.490
2	22:44:14	6675.000	15060.000	0.000	2153.000	62930.000	65590.000	79.986%	89.130
3	22:44:57	6641.000	14910.000	0.000	2148.000	62720.000	65580.000	81.051%	90.080
x		6647.000	15000.000	0.000	2158.000	62670.000	65460.000	79.781%	89.230
σ		25.530	76.480	0.000	13.810	298.100	209.300	1.383%	0.799
%RSD		0.384	0.510	0.000	0.640	0.476	0.320	1.734	0.896

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:43:31	16.060	29.310	552.500	19190.000	17950.000	3.725	17.110	18.540
2	22:44:14	18.870	28.810	551.400	19080.000	17800.000	3.710	18.100	18.850
3	22:44:57	15.590	28.980	550.300	18980.000	17830.000	3.716	17.100	18.530
x		16.840	29.030	551.400	19090.000	17860.000	3.717	17.440	18.640
σ		1.771	0.257	1.086	106.000	79.910	0.008	0.574	0.185
%RSD		10.520	0.885	0.197	0.555	0.448	0.211	3.292	0.992

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:43:31	18.450	29.050	28.800	2.300	-5.435	-1.762	0.000	483.000
2	22:44:14	18.220	30.110	28.340	1.852	-5.966	-0.029	0.000	482.800
3	22:44:57	17.840	28.740	28.840	4.273	-5.694	-0.940	0.000	489.400
x		18.170	29.300	28.660	2.808	-5.698	-0.910	0.000	485.100
σ		0.308	0.720	0.275	1.288	0.266	0.867	0.000	3.743
%RSD		1.693	2.458	0.960	45.880	4.661	95.230	0.000	0.772

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:43:31	84.156%	1.890	2.107	72.844%	0.101	0.082	-0.020	0.016
2	22:44:14	85.945%	2.309	2.308	73.964%	0.054	0.075	0.080	0.069
3	22:44:57	86.714%	2.142	2.285	74.771%	0.072	0.076	0.112	0.088
x		85.605%	2.113	2.233	73.860%	0.076	0.077	0.057	0.058
σ		1.312%	0.211	0.110	0.968%	0.024	0.004	0.069	0.037
%RSD		1.533	9.985	4.921	1.310	31.360	4.921	119.700	64.230

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:43:31	79.556%	1.842	0.508	0.500	154.500	157.300	89.958%	90.075%
2	22:44:14	81.419%	1.835	0.444	0.486	155.000	155.800	91.527%	92.785%
3	22:44:57	82.035%	1.736	0.516	0.495	155.500	158.600	92.840%	93.835%
x		81.004%	1.804	0.490	0.493	155.000	157.200	91.442%	92.231%
σ		1.291%	0.059	0.040	0.007	0.522	1.395	1.443%	1.940%
%RSD		1.593	3.288	8.084	1.413	0.337	0.887	1.578	2.104

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:43:31	0.109	0.115	4.382	4.284	4.346	85.951%
2	22:44:14	0.099	0.102	4.144	4.120	4.192	89.525%
3	22:44:57	0.101	0.099	4.044	4.122	4.117	90.892%
x		0.103	0.105	4.190	4.175	4.218	88.789%
σ		0.005	0.009	0.174	0.094	0.117	2.551%
%RSD		4.867	8.103	4.151	2.254	2.765	2.873

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:47:51	101.116%	2.079	42.430	41.610	0.000	54250.000	28430.000	31420.000
2	22:48:34	103.658%	1.938	37.670	43.700	0.000	54190.000	28220.000	31230.000
3	22:49:17	104.305%	2.123	40.690	42.410	0.000	53810.000	28450.000	31450.000
x		103.026%	2.047	40.260	42.570	0.000	54080.000	28370.000	31370.000
σ		1.686%	0.096	2.408	1.052	0.000	239.300	129.500	123.500
%RSD		1.636	4.705	5.981	2.471	0.000	0.443	0.457	0.394

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:47:51	30660.000	41760.000	0.000	6657.000	112500.000	130600.000	81.778%	104.400
2	22:48:34	30540.000	41650.000	0.000	6612.000	112900.000	130700.000	83.960%	106.200
3	22:49:17	30620.000	41630.000	0.000	6609.000	113200.000	130200.000	85.365%	105.400
x		30610.000	41680.000	0.000	6626.000	112900.000	130500.000	83.701%	105.300
σ		63.630	68.560	0.000	26.630	312.200	269.800	1.808%	0.927
%RSD		0.208	0.165	0.000	0.402	0.277	0.207	2.160	0.880

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:47:51	57.980	139.100	4935.000	25180.000	23570.000	38.200	88.770	110.500
2	22:48:34	55.850	137.700	4906.000	24710.000	23310.000	37.240	85.810	109.900
3	22:49:17	54.600	136.500	4879.000	24770.000	23310.000	37.900	86.350	108.800
x		56.140	137.800	4907.000	24880.000	23400.000	37.780	86.970	109.700
σ		1.709	1.321	28.260	254.300	146.300	0.490	1.575	0.835
%RSD		3.045	0.959	0.576	1.022	0.625	1.296	1.811	0.761

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:47:51	106.800	198.100	197.300	4.735	-5.931	-6.314	0.000	777.400
2	22:48:34	109.100	201.800	195.500	5.875	-6.756	-6.228	0.000	785.000
3	22:49:17	106.000	196.500	193.700	5.968	-6.249	-10.180	0.000	780.500
x		107.300	198.800	195.500	5.526	-6.312	-7.574	0.000	781.000
σ		1.635	2.703	1.766	0.687	0.416	2.258	0.000	3.822
%RSD		1.524	1.360	0.903	12.430	6.593	29.810	0.000	0.489

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:47:51	98.958%	2.750	2.800	73.899%	0.199	0.127	11.730	10.700
2	22:48:34	101.102%	2.554	3.046	75.193%	0.162	0.172	11.250	11.010
3	22:49:17	103.350%	2.558	2.946	75.083%	0.150	0.173	10.880	11.170
x		101.137%	2.621	2.931	74.725%	0.170	0.157	11.290	10.960
σ		2.196%	0.112	0.124	0.717%	0.025	0.027	0.429	0.239
%RSD		2.172	4.283	4.216	0.960	14.980	16.930	3.801	2.180

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:47:51	80.505%	6.469	0.471	0.410	1130.000	1151.000	94.666%	93.770%
2	22:48:34	82.718%	6.345	0.428	0.467	1133.000	1154.000	95.649%	95.203%
3	22:49:17	83.553%	6.048	0.394	0.393	1140.000	1162.000	95.920%	97.013%
x		82.259%	6.287	0.431	0.423	1134.000	1156.000	95.412%	95.328%
σ		1.575%	0.217	0.039	0.039	4.942	5.313	0.660%	1.625%
%RSD		1.915	3.443	9.059	9.093	0.436	0.460	0.692	1.705

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:47:51	0.529	0.552	44.340	44.360	44.110	88.019%
2	22:48:34	0.508	0.566	43.980	43.800	43.860	90.660%
3	22:49:17	0.494	0.550	44.040	43.660	43.670	92.148%
x		0.510	0.556	44.120	43.940	43.880	90.275%
σ		0.018	0.008	0.190	0.372	0.220	2.091%
%RSD		3.509	1.498	0.431	0.846	0.501	2.316

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:52:11	101.963%	0.030	45.170	53.830	0.000	78590.000	13600.000	14310.000
2	22:52:54	108.847%	0.155	43.560	52.540	0.000	76220.000	13450.000	13970.000
3	22:53:37	108.496%	0.091	48.060	53.510	0.000	76520.000	13530.000	14180.000
x		106.435%	0.092	45.600	53.290	0.000	77110.000	13530.000	14150.000
σ		3.877%	0.062	2.280	0.671	0.000	1290.000	76.690	168.000
%RSD		3.643	67.700	5.001	1.260	0.000	1.673	0.567	1.187

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:52:11	1952.000	6056.000	0.000	3649.000	57700.000	58790.000	81.455%	26.310
2	22:52:54	1907.000	5923.000	0.000	3539.000	55910.000	59560.000	84.304%	28.570
3	22:53:37	1913.000	5832.000	0.000	3826.000	56760.000	59450.000	85.438%	29.740
x		1924.000	5937.000	0.000	3671.000	56790.000	59260.000	83.732%	28.210
σ		24.560	112.600	0.000	145.000	896.400	417.200	2.052%	1.747
%RSD		1.276	1.896	0.000	3.948	1.578	0.704	2.451	6.195

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:52:11	3.288	8.995	914.200	2615.000	2582.000	1.101	2.850	3.301
2	22:52:54	6.278	8.624	901.700	2576.000	2542.000	1.196	2.941	3.071
3	22:53:37	7.968	8.572	893.300	2530.000	2509.000	1.017	3.422	3.166
x		5.845	8.730	903.100	2574.000	2544.000	1.104	3.071	3.179
σ		2.370	0.231	10.510	42.280	36.720	0.090	0.307	0.116
%RSD		40.540	2.641	1.164	1.643	1.443	8.106	10.010	3.646

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:52:11	3.247	10.830	11.170	0.864	-5.550	-2.297	0.000	1120.000
2	22:52:54	3.076	11.150	10.960	1.975	-6.139	-1.635	0.000	1125.000
3	22:53:37	3.163	11.410	10.890	1.265	-6.001	-2.320	0.000	1133.000
x		3.162	11.130	11.010	1.368	-5.897	-2.084	0.000	1126.000
σ		0.086	0.289	0.145	0.563	0.308	0.389	0.000	6.568
%RSD		2.717	2.602	1.322	41.130	5.220	18.660	0.000	0.583

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:52:11	85.142%	1.545	1.569	76.681%	0.048	0.063	0.130	0.112
2	22:52:54	87.575%	1.795	1.783	78.055%	0.067	0.049	-0.086	-0.049
3	22:53:37	87.760%	1.482	1.632	78.363%	0.057	0.037	-0.056	-0.019
x		86.826%	1.608	1.661	77.699%	0.057	0.049	-0.004	0.015
σ		1.461%	0.166	0.110	0.895%	0.009	0.013	0.117	0.085
%RSD		1.682	10.300	6.612	1.152	16.190	27.210	2880.000	577.600

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:52:11	83.815%	1.086	0.224	0.202	505.000	510.500	93.685%	94.176%
2	22:52:54	85.842%	1.062	0.195	0.247	497.200	508.100	95.713%	96.374%
3	22:53:37	86.583%	0.880	0.198	0.280	507.500	508.700	96.463%	97.149%
x		85.414%	1.009	0.206	0.243	503.200	509.100	95.287%	95.900%
σ		1.433%	0.112	0.016	0.039	5.354	1.282	1.437%	1.542%
%RSD		1.678	11.130	7.784	16.220	1.064	0.252	1.508	1.608

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:52:11	0.037	0.039	1.326	1.378	1.356	92.880%
2	22:52:54	0.035	0.033	1.328	1.321	1.349	95.128%
3	22:53:37	0.029	0.031	1.317	1.359	1.352	96.385%
x		0.034	0.034	1.324	1.353	1.352	94.798%
σ		0.004	0.004	0.006	0.029	0.004	1.775%
%RSD		12.290	12.370	0.435	2.150	0.261	1.873

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:56:31	104.870%	0.250	18.530	23.390	0.000	52410.000	53160.000	55670.000
2	22:57:14	106.326%	0.246	19.780	24.170	0.000	51930.000	53270.000	55600.000
3	22:57:57	108.852%	0.155	19.600	23.590	0.000	51420.000	52980.000	55320.000
x		106.683%	0.217	19.300	23.720	0.000	51920.000	53140.000	55530.000
σ		2.015%	0.053	0.677	0.407	0.000	499.600	147.000	183.200
%RSD		1.888	24.610	3.505	1.717	0.000	0.962	0.277	0.330

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:56:31	3017.000	13300.000	0.000	2055.000	77030.000	80150.000	80.702%	55.030
2	22:57:14	3051.000	13180.000	0.000	2049.000	75510.000	79980.000	81.787%	53.040
3	22:57:57	3029.000	13060.000	0.000	2028.000	77130.000	80080.000	81.680%	54.140
x		3032.000	13180.000	0.000	2044.000	76560.000	80070.000	81.390%	54.070
σ		16.840	119.600	0.000	13.920	907.600	85.700	0.598%	0.994
%RSD		0.555	0.907	0.000	0.681	1.186	0.107	0.734	1.839

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:56:31	4.079	11.170	3025.000	5597.000	5359.000	9.305	33.950	5.296
2	22:57:14	8.343	11.390	3006.000	5537.000	5334.000	9.304	32.590	5.149
3	22:57:57	8.498	11.550	3024.000	5561.000	5398.000	9.453	33.850	5.055
x		6.973	11.370	3018.000	5565.000	5364.000	9.354	33.460	5.167
σ		2.508	0.194	10.860	29.840	31.930	0.086	0.758	0.122
%RSD		35.970	1.703	0.360	0.536	0.595	0.918	2.265	2.355

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:56:31	5.336	62.830	61.650	3.061	-5.639	-2.849	0.000	404.900
2	22:57:14	5.374	62.730	62.250	2.707	-5.909	-4.974	0.000	399.000
3	22:57:57	5.395	63.910	62.930	1.681	-5.827	-2.404	0.000	404.500
x		5.368	63.160	62.280	2.483	-5.791	-3.409	0.000	402.800
σ		0.030	0.656	0.640	0.717	0.139	1.374	0.000	3.276
%RSD		0.560	1.038	1.027	28.870	2.394	40.290	0.000	0.813

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:56:31	85.178%	1.339	1.240	74.742%	0.016	0.015	1.041	0.847
2	22:57:14	86.566%	1.204	1.188	74.822%	0.021	0.009	0.846	1.019
3	22:57:57	85.743%	1.329	1.331	74.642%	0.007	0.000	1.003	0.907
x		85.829%	1.291	1.253	74.735%	0.014	0.008	0.963	0.924
σ		0.698%	0.075	0.072	0.090%	0.007	0.007	0.104	0.087
%RSD		0.814	5.821	5.762	0.121	48.470	88.290	10.760	9.440

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:56:31	81.663%	1.266	0.182	0.177	192.200	196.100	91.376%	92.205%
2	22:57:14	81.721%	1.291	0.192	0.199	191.600	195.000	91.567%	92.708%
3	22:57:57	82.852%	1.389	0.194	0.220	192.300	195.600	92.752%	92.659%
x		82.079%	1.315	0.190	0.198	192.000	195.600	91.898%	92.524%
σ		0.670%	0.065	0.007	0.021	0.409	0.540	0.745%	0.278%
%RSD		0.817	4.934	3.491	10.820	0.213	0.276	0.811	0.300

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:56:31	0.050	0.046	4.293	4.384	4.389	88.863%
2	22:57:14	0.044	0.071	4.142	4.573	4.302	89.746%
3	22:57:57	0.051	0.058	4.325	4.390	4.385	90.494%
x		0.048	0.058	4.253	4.449	4.359	89.701%
σ		0.004	0.012	0.098	0.108	0.049	0.816%
%RSD		8.381	21.060	2.307	2.423	1.131	0.910

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:00:52	103.778%	0.119	21.660	24.360	0.000	52050.000	52760.000	55310.000
2	23:01:35	107.276%	0.093	21.640	22.500	0.000	51880.000	53170.000	55510.000
3	23:02:18	107.592%	0.221	21.270	23.880	0.000	51150.000	53290.000	55750.000
x		106.215%	0.144	21.520	23.580	0.000	51690.000	53070.000	55520.000
σ		2.117%	0.068	0.219	0.962	0.000	474.800	280.600	218.500
%RSD		1.993	47.010	1.015	4.081	0.000	0.919	0.529	0.394

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:00:52	3042.000	13220.000	0.000	2045.000	76400.000	79540.000	78.442%	52.920
2	23:01:35	3043.000	13030.000	0.000	2025.000	77410.000	80170.000	80.542%	51.610
3	23:02:18	3039.000	12910.000	0.000	1990.000	75070.000	79010.000	82.771%	51.460
x		3042.000	13050.000	0.000	2020.000	76300.000	79580.000	80.585%	52.000
σ		1.889	154.100	0.000	27.580	1175.000	579.800	2.165%	0.803
%RSD		0.062	1.180	0.000	1.365	1.540	0.729	2.687	1.544

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:00:52	8.257	11.270	3019.000	5559.000	5330.000	9.562	33.250	5.257
2	23:01:35	6.363	11.390	3014.000	5524.000	5329.000	9.287	32.580	5.084
3	23:02:18	4.155	11.590	2961.000	5430.000	5195.000	9.151	32.100	5.155
x		6.259	11.420	2998.000	5504.000	5285.000	9.333	32.640	5.166
σ		2.053	0.162	32.350	66.610	77.750	0.210	0.579	0.087
%RSD		32.800	1.415	1.079	1.210	1.471	2.247	1.772	1.678

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:00:52	5.183	61.350	61.980	3.743	-5.002	-2.720	0.000	398.500
2	23:01:35	5.100	62.110	60.310	1.544	-6.136	-3.690	0.000	399.700
3	23:02:18	4.876	61.230	60.460	1.894	-6.994	-3.597	0.000	398.700
x		5.053	61.560	60.920	2.393	-6.044	-3.336	0.000	398.900
σ		0.159	0.474	0.929	1.182	0.999	0.535	0.000	0.624
%RSD		3.149	0.770	1.525	49.370	16.530	16.030	0.000	0.156

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:00:52	83.372%	1.315	1.217	72.702%	0.009	0.017	0.848	0.879
2	23:01:35	85.723%	1.187	1.352	74.310%	0.009	0.016	1.043	1.012
3	23:02:18	87.464%	1.259	1.175	74.764%	0.012	0.006	0.921	0.819
x		85.520%	1.254	1.248	73.925%	0.010	0.013	0.938	0.903
σ		2.053%	0.064	0.093	1.083%	0.002	0.006	0.098	0.099
%RSD		2.401	5.136	7.437	1.465	17.130	49.360	10.500	10.950

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:00:52	79.363%	1.164	0.158	0.180	191.600	193.100	89.629%	90.410%
2	23:01:35	82.322%	1.277	0.206	0.201	188.500	191.800	93.224%	93.449%
3	23:02:18	83.520%	1.205	0.175	0.202	190.100	194.900	93.907%	95.193%
x		81.735%	1.215	0.180	0.195	190.100	193.300	92.253%	93.017%
σ		2.140%	0.057	0.024	0.013	1.580	1.565	2.298%	2.420%
%RSD		2.618	4.702	13.610	6.434	0.831	0.810	2.491	2.602

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:00:52	0.055	0.059	4.454	4.232	4.326	88.303%
2	23:01:35	0.052	0.054	4.325	4.293	4.279	91.305%
3	23:02:18	0.037	0.059	4.383	4.424	4.328	92.609%
x		0.048	0.057	4.387	4.316	4.311	90.739%
σ		0.010	0.003	0.065	0.098	0.028	2.208%
%RSD		20.460	4.819	1.476	2.265	0.647	2.433

180-14634-C-11-A SD@5 10/9/2012 11:04:30 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:05:13	89.325%	-0.015	3.967	5.521	0.000	10660.000	9514.000	9864.000
2	23:05:56	89.502%	0.037	4.234	5.417	0.000	10600.000	9558.000	10010.000
3	23:06:39	89.178%	0.037	3.693	4.509	0.000	10600.000	9498.000	9979.000
x		89.335%	0.019	3.965	5.149	0.000	10620.000	9524.000	9952.000
σ		0.163%	0.030	0.271	0.557	0.000	35.230	30.600	77.680
%RSD		0.182	153.900	6.833	10.810	0.000	0.332	0.321	0.781

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:05:13	581.600	2537.000	0.000	396.000	15520.000	15560.000	70.134%	8.105
2	23:05:56	588.100	2526.000	0.000	393.800	14830.000	15790.000	70.240%	9.956
3	23:06:39	583.500	2530.000	0.000	387.000	15340.000	15590.000	70.579%	10.510
x		584.400	2531.000	0.000	392.300	15230.000	15650.000	70.318%	9.525
σ		3.334	5.584	0.000	4.695	355.700	123.500	0.233%	1.261
%RSD		0.570	0.221	0.000	1.197	2.335	0.789	0.331	13.240

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:05:13	0.930	2.442	561.100	1108.000	1116.000	1.932	6.226	1.024
2	23:05:56	1.013	2.485	565.500	1103.000	1101.000	1.834	6.752	1.186
3	23:06:39	0.049	2.529	561.100	1093.000	1090.000	1.903	6.900	1.088
x		0.664	2.485	562.600	1101.000	1102.000	1.890	6.626	1.099
σ		0.534	0.043	2.517	7.900	13.350	0.051	0.354	0.082
%RSD		80.410	1.749	0.448	0.717	1.211	2.681	5.345	7.431

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:05:13	1.231	12.810	12.880	4.078	-3.316	22.710	0.000	79.320
2	23:05:56	1.137	13.690	12.980	3.489	-4.850	12.660	0.000	80.290
3	23:06:39	1.112	13.800	13.050	-0.233	-4.909	1.568	0.000	80.350
x		1.160	13.430	12.970	2.445	-4.358	12.310	0.000	79.990
σ		0.063	0.540	0.087	2.338	0.903	10.570	0.000	0.578
%RSD		5.395	4.023	0.674	95.620	20.730	85.890	0.000	0.722

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:05:13	74.525%	0.364	0.326	69.321%	-0.008	0.005	0.164	0.191
2	23:05:56	75.637%	0.290	0.364	70.757%	-0.008	-0.001	0.165	0.122
3	23:06:39	75.361%	0.279	0.280	70.604%	-0.010	-0.006	0.026	0.085
x		75.174%	0.311	0.324	70.227%	-0.009	-0.001	0.118	0.132
σ		0.579%	0.046	0.042	0.788%	0.001	0.006	0.080	0.054
%RSD		0.771	14.930	13.040	1.123	12.340	973.700	67.460	40.730

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:05:13	74.582%	0.109	0.010	0.019	37.760	38.040	82.876%	83.739%
2	23:05:56	76.176%	-0.005	0.016	0.025	38.540	38.160	84.887%	85.457%
3	23:06:39	75.642%	-0.016	0.022	0.023	38.170	37.360	85.249%	85.490%
x		75.467%	0.029	0.016	0.022	38.150	37.850	84.338%	84.895%
σ		0.811%	0.069	0.006	0.003	0.390	0.435	1.279%	1.002%
%RSD		1.075	238.000	38.770	13.900	1.022	1.148	1.516	1.180

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:05:13	0.002	0.008	1.036	1.003	0.993	80.374%
2	23:05:56	-0.000	0.002	0.878	0.938	0.931	81.911%
3	23:06:39	-0.002	0.007	0.882	0.940	0.889	81.837%
x		0.000	0.006	0.932	0.960	0.937	81.374%
σ		0.002	0.003	0.090	0.037	0.052	0.867%
%RSD		3747.000	56.270	9.647	3.856	5.557	1.065

180-14634-C-11-B MS 10/9/2012 11:08:50 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:09:33	95.371%	39.350	861.300	932.200	0.000	95240.000	107400.000	112200.000
2	23:10:16	97.885%	39.820	857.600	946.900	0.000	94370.000	107800.000	112600.000
3	23:10:59	97.798%	38.720	872.600	963.500	0.000	94950.000	109000.000	113300.000
x		97.018%	39.290	863.800	947.500	0.000	94850.000	108100.000	112700.000
σ		1.427%	0.553	7.832	15.670	0.000	441.400	833.800	598.300
%RSD		1.471	1.408	0.907	1.654	0.000	0.465	0.772	0.531

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:09:33	10870.000	28210.000	0.000	44730.000	121200.000	139800.000	79.236%	992.400
2	23:10:16	10820.000	27830.000	0.000	43970.000	118400.000	137700.000	82.737%	963.600
3	23:10:59	10870.000	27920.000	0.000	43940.000	119900.000	138100.000	84.128%	972.300
x		10850.000	27980.000	0.000	44210.000	119800.000	138500.000	82.033%	976.100
σ		26.160	197.600	0.000	449.700	1352.000	1099.000	2.521%	14.790
%RSD		0.241	0.706	0.000	1.017	1.128	0.793	3.073	1.515

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:09:33	469.300	195.100	3581.000	7142.000	6992.000	414.800	417.800	196.900
2	23:10:16	466.800	194.200	3551.000	7049.000	6842.000	407.100	412.800	192.900
3	23:10:59	464.400	189.900	3527.000	6998.000	6865.000	405.700	404.800	192.800
x		466.800	193.000	3553.000	7063.000	6900.000	409.200	411.800	194.200
σ		2.437	2.794	27.270	72.900	80.930	4.922	6.546	2.304
%RSD		0.522	1.447	0.768	1.032	1.173	1.203	1.590	1.186

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:09:33	198.800	484.200	479.600	36.000	4.076	9.375	0.000	1389.000
2	23:10:16	194.100	481.100	476.500	37.550	2.751	8.927	0.000	1398.000
3	23:10:59	190.600	480.100	467.800	36.340	2.625	8.622	0.000	1396.000
x		194.500	481.800	474.600	36.630	3.151	8.975	0.000	1394.000
σ		4.127	2.171	6.151	0.812	0.804	0.379	0.000	5.004
%RSD		2.122	0.451	1.296	2.218	25.510	4.218	0.000	0.359

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:09:33	78.132%	953.100	964.300	71.782%	45.280	44.560	48.450	43.450
2	23:10:16	79.854%	969.300	981.400	73.256%	44.870	43.320	48.050	43.530
3	23:10:59	81.215%	967.100	979.000	74.109%	45.340	44.200	48.980	43.460
x		79.734%	963.200	974.900	73.049%	45.170	44.030	48.490	43.480
σ		1.545%	8.799	9.255	1.177%	0.257	0.640	0.464	0.043
%RSD		1.938	0.913	0.949	1.611	0.568	1.454	0.957	0.098

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:09:33	78.784%	1860.000	480.700	487.600	1988.000	2021.000	90.426%	91.329%
2	23:10:16	81.619%	1828.000	474.200	482.900	1989.000	2029.000	92.828%	93.575%
3	23:10:59	82.543%	1846.000	475.300	479.000	1982.000	2016.000	94.631%	94.657%
x		80.982%	1844.000	476.700	483.100	1986.000	2022.000	92.629%	93.187%
σ		1.959%	16.020	3.443	4.289	3.857	6.568	2.110%	1.697%
%RSD		2.419	0.869	0.722	0.888	0.194	0.325	2.277	1.822

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:09:33	44.310	45.180	22.930	22.880	22.980	89.525%
2	23:10:16	44.520	45.290	22.690	22.820	22.830	92.850%
3	23:10:59	44.720	45.210	22.480	23.000	22.790	93.929%
x		44.520	45.230	22.700	22.900	22.870	92.101%
σ		0.202	0.056	0.227	0.089	0.096	2.295%
%RSD		0.454	0.123	1.001	0.389	0.420	2.492

CCV 586960 10/9/2012 11:16:05 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:16:48	79.940%	91.050	86.530	99.710	0.000	46840.000	52640.000	54170.000
2	23:17:31	80.583%	89.150	91.810	98.790	0.000	47010.000	52540.000	54220.000
3	23:18:13	79.778%	93.570	101.900	98.650	0.000	47720.000	52960.000	54200.000
x		80.101%	91.256%	93.419%	99.048%	0.000	94.372%	105.422%	108.391%
σ		0.426%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.532	2.433	8.369	0.580	0.000	0.992	0.418	0.050

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:16:48	514.100	4979.000	0.000	49320.000	48310.000	48550.000	70.221%	103.000
2	23:17:31	520.100	4984.000	0.000	49240.000	48450.000	48570.000	71.379%	101.600
3	23:18:13	511.200	5025.000	0.000	50010.000	47690.000	48810.000	71.634%	97.930
x		103.021%	99.920%	0.000	99.052%	96.303%	97.288%	71.078%	100.843%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.753%	n/a
%RSD		0.881	0.505	0.000	0.852	0.835	0.292	1.060	2.590

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:16:48	98.220	100.000	522.100	26830.000	25310.000	94.920	89.570	92.260
2	23:17:31	98.660	98.960	521.300	26790.000	25250.000	94.510	94.680	92.220
3	23:18:13	99.930	99.430	520.000	26820.000	25340.000	95.980	93.750	93.890
x		98.935%	99.463%	104.225%	107.258%	101.209%	95.135%	92.667%	92.790%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.897	0.525	0.204	0.075	0.171	0.800	2.935	1.032

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:16:48	91.420	98.600	99.040	96.330	92.570	96.990	0.000	100.400
2	23:17:31	92.280	101.300	100.900	97.710	91.430	98.150	0.000	100.600
3	23:18:13	92.520	99.620	98.870	95.230	96.160	99.170	0.000	100.000
x		92.075%	99.835%	99.586%	96.420%	93.385%	98.102%	0.000	100.337%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.626	1.359	1.107	1.290	2.643	1.113	0.000	0.302

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:16:48	73.555%	98.760	98.960	70.121%	98.530	97.090	100.200	99.780
2	23:17:31	75.105%	99.500	101.300	71.550%	98.680	97.570	99.710	98.970
3	23:18:13	75.603%	100.800	100.700	71.906%	98.840	97.910	101.200	100.000
x		74.754%	99.675%	100.324%	71.192%	98.684%	97.525%	100.366%	99.582%
σ		1.068%	n/a	n/a	0.944%	n/a	n/a	n/a	n/a
%RSD		1.429	1.016	1.209	1.327	0.154	0.422	0.754	0.543

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:16:48	74.262%	101.000	102.900	101.800	95.550	98.390	82.768%	83.991%
2	23:17:31	76.255%	100.900	100.000	102.000	96.370	98.030	84.115%	85.225%
3	23:18:13	75.454%	101.600	103.600	102.200	98.370	98.400	83.891%	84.689%
x		75.324%	101.142%	102.199%	101.986%	96.763%	98.276%	83.591%	84.635%
σ		1.002%	n/a	n/a	n/a	n/a	n/a	0.722%	0.619%
%RSD		1.331	0.380	1.860	0.244	1.497	0.217	0.863	0.731

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:16:48	95.220	95.830	95.380	95.730	95.590	86.803%
2	23:17:31	96.170	97.760	97.810	98.270	97.330	86.794%
3	23:18:13	97.220	97.380	97.640	98.960	98.150	86.888%
x		96.204%	96.989%	96.946%	97.654%	97.023%	86.828%
σ		n/a	n/a	n/a	n/a	n/a	0.052%
%RSD		1.037	1.058	1.403	1.743	1.346	0.060

CCB7 10/9/2012 11:23:22 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:24:05	107.846%	0.028	0.838	0.957	0.000	68.410	7.059	8.004
2	23:24:48	109.791%	0.006	0.357	0.751	0.000	66.370	6.795	6.981
3	23:25:31	107.875%	-0.015	-0.083	0.724	0.000	67.730	6.326	8.046
x		108.504%	0.006	0.371	0.811	0.000	67.500	6.726	7.677
σ		1.115%	0.021	0.460	0.127	0.000	1.038	0.371	0.603
%RSD		1.027	343.500	124.100	15.690	0.000	1.538	5.515	7.859

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:24:05	0.476	5.460	0.000	-28.970	-4.238	6.656	84.520%	-0.157
2	23:24:48	0.729	4.819	0.000	-29.480	21.660	9.987	85.166%	-0.081
3	23:25:31	0.219	5.322	0.000	-32.880	6.761	10.580	85.543%	-0.159
x		0.475	5.200	0.000	-30.440	8.061	9.074	85.076%	-0.132
σ		0.255	0.337	0.000	2.123	13.000	2.116	0.518%	0.045
%RSD		53.700	6.489	0.000	6.972	161.200	23.310	0.609	33.740

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:24:05	0.109	0.059	0.170	17.010	28.980	0.021	-0.653	-0.092
2	23:24:48	0.089	-0.034	0.163	11.130	18.410	0.026	-0.739	-0.074
3	23:25:31	0.153	-0.002	0.159	8.553	13.650	0.038	-0.438	-0.081
x		0.117	0.007	0.164	12.230	20.350	0.028	-0.610	-0.082
σ		0.033	0.047	0.006	4.333	7.848	0.009	0.155	0.009
%RSD		28.160	646.000	3.489	35.430	38.560	30.510	25.460	10.750

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:24:05	-0.036	-0.183	-0.193	-0.454	-1.595	-2.315	0.000	0.054
2	23:24:48	-0.044	-0.171	-0.251	-0.395	-3.070	-2.890	0.000	0.046
3	23:25:31	-0.045	-0.214	-0.219	-1.140	-3.630	-4.919	0.000	0.054
x		-0.042	-0.190	-0.221	-0.663	-2.765	-3.375	0.000	0.051
σ		0.005	0.022	0.029	0.414	1.051	1.368	0.000	0.005
%RSD		11.990	11.770	13.290	62.520	38.020	40.530	0.000	9.796

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:24:05	81.358%	0.815	0.800	76.155%	0.034	0.011	0.042	0.033
2	23:24:48	82.421%	0.591	0.761	76.857%	0.013	0.023	0.036	0.040
3	23:25:31	82.982%	0.626	0.692	77.388%	0.010	0.047	0.067	0.040
x		82.254%	0.677	0.751	76.800%	0.019	0.027	0.049	0.038
σ		0.825%	0.120	0.055	0.618%	0.013	0.018	0.016	0.004
%RSD		1.003	17.750	7.335	0.805	68.660	67.510	33.890	11.270

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:24:05	78.570%	0.336	0.100	0.121	0.045	0.021	85.211%	86.032%
2	23:24:48	80.269%	0.233	0.101	0.109	0.043	0.026	87.130%	87.701%
3	23:25:31	80.526%	0.187	0.085	0.068	0.000	0.025	87.070%	87.817%
x		79.788%	0.252	0.096	0.099	0.029	0.024	86.470%	87.183%
σ		1.063%	0.076	0.009	0.028	0.025	0.002	1.091%	0.999%
%RSD		1.332	30.300	9.629	28.100	86.130	10.080	1.262	1.146

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:24:05	0.051	0.055	0.101	0.096	0.095	91.121%
2	23:24:48	0.050	0.052	0.050	0.044	0.039	92.263%
3	23:25:31	0.041	0.054	0.025	0.040	0.030	92.318%
x		0.047	0.054	0.059	0.060	0.055	91.900%
σ		0.006	0.002	0.039	0.031	0.035	0.676%
%RSD		12.000	3.193	66.710	52.380	64.590	0.735

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:28:26	82.684%	38.510	864.000	920.400	0.000	95570.000	102200.000	106600.000
2	23:29:09	86.776%	39.120	853.700	917.300	0.000	93660.000	102300.000	105800.000
3	23:29:52	87.248%	39.900	833.800	912.100	0.000	93590.000	103200.000	108000.000
x		85.570%	39.180	850.500	916.600	0.000	94270.000	102600.000	106800.000
σ		2.510%	0.698	15.340	4.201	0.000	1122.000	532.400	1140.000
%RSD		2.933	1.781	1.803	0.458	0.000	1.190	0.519	1.067

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:28:26	10450.000	27900.000	0.000	44530.000	116100.000	132900.000	74.846%	942.000
2	23:29:09	10450.000	27500.000	0.000	43990.000	115200.000	132300.000	76.453%	939.900
3	23:29:52	10590.000	27600.000	0.000	43770.000	112800.000	133000.000	77.491%	943.900
x		10500.000	27670.000	0.000	44090.000	114700.000	132700.000	76.263%	941.900
σ		79.830	209.400	0.000	390.400	1692.000	382.200	1.333%	1.996
%RSD		0.761	0.757	0.000	0.885	1.475	0.288	1.748	0.212

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:28:26	452.700	188.600	3425.000	6905.000	6784.000	408.900	416.000	193.800
2	23:29:09	454.400	187.900	3444.000	6897.000	6762.000	403.800	411.000	192.900
3	23:29:52	450.500	185.700	3437.000	6874.000	6680.000	402.000	406.000	190.600
x		452.600	187.400	3436.000	6892.000	6742.000	404.900	411.000	192.400
σ		1.961	1.523	9.653	16.400	54.910	3.582	4.967	1.665
%RSD		0.433	0.813	0.281	0.238	0.814	0.885	1.208	0.865

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:28:26	192.800	466.000	460.400	36.920	5.643	9.966	0.000	1287.000
2	23:29:09	193.000	469.400	461.500	33.680	4.028	8.234	0.000	1295.000
3	23:29:52	191.900	462.100	461.800	33.550	3.656	8.016	0.000	1308.000
x		192.600	465.800	461.200	34.720	4.442	8.739	0.000	1297.000
σ		0.594	3.618	0.757	1.907	1.056	1.068	0.000	10.610
%RSD		0.308	0.777	0.164	5.493	23.770	12.230	0.000	0.818

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:28:26	75.674%	907.200	921.200	69.417%	43.630	42.900	45.950	41.470
2	23:29:09	77.498%	920.500	934.900	70.690%	43.660	42.890	47.320	41.680
3	23:29:52	78.323%	911.700	932.500	71.201%	43.730	42.800	46.700	41.750
x		77.165%	913.100	929.500	70.436%	43.680	42.860	46.660	41.640
σ		1.355%	6.748	7.293	0.919%	0.051	0.058	0.687	0.146
%RSD		1.756	0.739	0.785	1.305	0.117	0.136	1.473	0.350

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:28:26	76.136%	1780.000	457.000	463.600	1915.000	1930.000	85.468%	86.290%
2	23:29:09	77.432%	1801.000	462.600	466.500	1920.000	1956.000	88.303%	89.313%
3	23:29:52	78.666%	1791.000	458.500	464.600	1909.000	1946.000	89.741%	89.260%
x		77.411%	1791.000	459.400	464.900	1915.000	1944.000	87.837%	88.287%
σ		1.265%	10.670	2.859	1.436	5.577	13.250	2.174%	1.730%
%RSD		1.635	0.596	0.622	0.309	0.291	0.681	2.475	1.959

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:28:26	49.080	50.850	25.590	25.800	25.760	73.847%
2	23:29:09	45.030	46.210	22.990	23.410	23.190	83.990%
3	23:29:52	45.120	46.130	23.150	23.260	23.270	85.286%
x		46.410	47.730	23.910	24.150	24.070	81.041%
σ		2.314	2.702	1.458	1.425	1.458	6.264%
%RSD		4.987	5.661	6.097	5.899	6.056	7.729

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:32:45	104.913%	-0.015	9.452	10.470	0.000	160.800	26.400	26.760
2	23:33:28	105.298%	-0.015	5.144	6.865	0.000	163.500	26.500	30.320
3	23:34:11	106.072%	-0.015	5.103	5.458	0.000	149.000	16.110	14.910
x		105.428%	-0.015	6.567	7.597	0.000	157.800	23.000	24.000
σ		0.591%	0.000	2.499	2.584	0.000	7.702	5.969	8.072
%RSD		0.560	0.000	38.060	34.020	0.000	4.881	25.950	33.640

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:32:45	6.297	41.170	0.000	45.300	60.780	58.890	78.296%	1.573
2	23:33:28	6.126	36.780	0.000	41.680	79.670	60.370	79.395%	1.341
3	23:34:11	2.873	31.130	0.000	33.000	51.630	49.840	79.670%	0.427
x		5.099	36.360	0.000	39.990	64.030	56.370	79.120%	1.114
σ		1.929	5.036	0.000	6.319	14.300	5.701	0.727%	0.606
%RSD		37.840	13.850	0.000	15.800	22.330	10.110	0.919	54.400

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:32:45	1.502	4.176	1.188	41.150	18.190	0.126	-0.359	0.543
2	23:33:28	1.642	3.865	1.298	32.420	12.540	0.134	-0.413	0.308
3	23:34:11	1.281	3.940	0.795	24.820	5.951	0.068	-0.333	0.448
x		1.475	3.993	1.094	32.800	12.230	0.109	-0.368	0.433
σ		0.182	0.162	0.265	8.167	6.127	0.036	0.041	0.118
%RSD		12.330	4.060	24.170	24.900	50.100	32.950	11.130	27.340

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:32:45	0.445	3.794	3.753	-0.158	-4.626	0.191	0.000	0.354
2	23:33:28	0.353	3.884	3.965	-0.127	-5.506	2.065	0.000	0.457
3	23:34:11	0.289	3.722	3.803	0.303	-5.963	-2.248	0.000	0.217
x		0.362	3.800	3.840	0.006	-5.365	0.002	0.000	0.343
σ		0.079	0.081	0.111	0.258	0.680	2.163	0.000	0.120
%RSD		21.670	2.126	2.884	4298.000	12.670	88060.000	0.000	35.070

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:32:45	80.542%	6.051	6.786	74.585%	0.002	0.013	-0.036	0.027
2	23:33:28	81.838%	3.741	3.849	75.487%	0.002	0.014	-0.034	-0.022
3	23:34:11	82.494%	2.263	2.456	75.642%	0.010	0.018	-0.041	-0.040
x		81.625%	4.018	4.364	75.238%	0.005	0.015	-0.037	-0.012
σ		0.994%	1.909	2.210	0.571%	0.005	0.002	0.004	0.035
%RSD		1.217	47.510	50.650	0.758	104.800	16.490	10.200	299.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:32:45	80.258%	8.130	0.397	0.420	0.452	0.468	89.059%	89.593%
2	23:33:28	81.351%	4.367	0.316	0.325	0.684	0.572	90.143%	90.682%
3	23:34:11	81.809%	2.878	0.220	0.184	0.278	0.256	90.190%	90.757%
x		81.139%	5.125	0.311	0.309	0.472	0.432	89.797%	90.344%
σ		0.797%	2.707	0.088	0.119	0.204	0.161	0.640%	0.652%
%RSD		0.982	52.820	28.410	38.440	43.200	37.280	0.712	0.721

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:32:45	0.353	0.351	0.066	0.069	0.064	91.288%
2	23:33:28	0.261	0.265	0.046	0.063	0.050	92.619%
3	23:34:11	0.182	0.185	0.013	0.033	0.015	91.998%
x		0.265	0.267	0.042	0.055	0.043	91.969%
σ		0.085	0.083	0.027	0.019	0.025	0.666%
%RSD		32.150	31.250	63.930	35.290	59.300	0.724

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:03	100.795%	0.283	22.670	25.830	0.000	113000.000	35900.000	38090.000
2	23:37:46	101.051%	0.328	26.940	25.130	0.000	111300.000	36540.000	38430.000
3	23:38:29	102.199%	0.121	22.150	25.070	0.000	112100.000	36440.000	38560.000
x		101.348%	0.244	23.920	25.340	0.000	112100.000	36300.000	38360.000
σ		0.748%	0.109	2.627	0.424	0.000	847.600	345.100	244.000
%RSD		0.738	44.730	10.980	1.673	0.000	0.756	0.951	0.636

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:03	2034.000	6195.000	0.000	1676.000	98600.000	101900.000	76.878%	29.900
2	23:37:46	2041.000	6196.000	0.000	1672.000	97390.000	112300.000	79.209%	30.340
3	23:38:29	2048.000	6179.000	0.000	1658.000	99120.000	102000.000	79.838%	29.070
x		2041.000	6190.000	0.000	1669.000	98370.000	105400.000	78.642%	29.770
σ		6.867	9.271	0.000	8.994	883.800	5953.000	1.560%	0.648
%RSD		0.336	0.150	0.000	0.539	0.898	5.649	1.983	2.177

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:03	4.535	6.932	1397.000	4233.000	4243.000	3.131	4.972	2.740
2	23:37:46	5.806	6.992	1376.000	4201.000	4175.000	2.923	4.587	2.638
3	23:38:29	5.105	7.188	1383.000	4211.000	4139.000	3.033	4.294	2.385
x		5.149	7.037	1385.000	4215.000	4186.000	3.029	4.618	2.588
σ		0.637	0.134	10.500	16.370	52.850	0.104	0.340	0.183
%RSD		12.370	1.903	0.758	0.388	1.263	3.440	7.366	7.067

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:03	2.872	23.590	22.780	2.266	-4.825	-2.565	0.000	648.200
2	23:37:46	2.550	23.090	23.020	0.939	-5.901	-0.983	0.000	648.300
3	23:38:29	2.740	23.660	23.040	3.580	-5.862	-3.518	0.000	646.300
x		2.721	23.450	22.950	2.262	-5.530	-2.355	0.000	647.600
σ		0.161	0.314	0.139	1.321	0.610	1.281	0.000	1.111
%RSD		5.934	1.339	0.608	58.380	11.030	54.370	0.000	0.172

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:03	80.170%	2.082	2.018	71.491%	0.012	0.007	0.020	0.016
2	23:37:46	82.465%	1.914	2.038	72.604%	0.009	0.006	0.106	0.057
3	23:38:29	83.508%	1.911	1.788	73.148%	-0.001	0.013	-0.009	-0.009
x		82.048%	1.969	1.948	72.415%	0.006	0.009	0.039	0.021
σ		1.708%	0.098	0.139	0.845%	0.007	0.004	0.060	0.033
%RSD		2.081	4.967	7.121	1.166	107.500	45.520	154.400	153.400

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:03	77.664%	2.234	0.243	0.231	180.300	183.000	88.618%	88.620%
2	23:37:46	80.617%	1.861	0.261	0.253	179.000	182.700	90.228%	90.398%
3	23:38:29	81.596%	1.661	0.172	0.197	178.800	180.900	90.875%	92.586%
x		79.959%	1.919	0.225	0.227	179.400	182.200	89.907%	90.535%
σ		2.047%	0.291	0.047	0.028	0.805	1.166	1.162%	1.987%
%RSD		2.560	15.160	20.890	12.500	0.449	0.640	1.293	2.194

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:03	0.120	0.148	2.022	2.044	2.066	79.079%
2	23:37:46	0.112	0.117	1.833	1.961	1.862	89.136%
3	23:38:29	0.095	0.109	1.847	1.839	1.811	90.117%
x		0.109	0.125	1.900	1.948	1.913	86.111%
σ		0.013	0.021	0.105	0.103	0.135	6.109%
%RSD		11.920	16.450	5.549	5.311	7.050	7.095

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:45:02	109.542%	0.006	0.708	1.094	0.000	87.350	4.031	4.312
2	23:45:45	110.832%	0.006	0.689	0.271	0.000	90.980	6.016	5.448
3	23:46:28	109.105%	-0.015	0.027	0.615	0.000	88.760	6.930	7.227
x		109.826%	-0.001	0.474	0.660	0.000	89.030	5.659	5.662
σ		0.898%	0.012	0.388	0.413	0.000	1.830	1.482	1.469
%RSD		0.818	1189.000	81.760	62.630	0.000	2.056	26.190	25.950

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:45:02	1.710	1.932	0.000	-43.510	-0.143	8.155	81.751%	-0.193
2	23:45:45	0.953	2.143	0.000	-45.920	30.080	14.260	83.005%	-0.115
3	23:46:28	0.737	2.095	0.000	-46.170	26.350	18.400	82.892%	0.045
x		1.133	2.057	0.000	-45.200	18.760	13.610	82.549%	-0.088
σ		0.511	0.111	0.000	1.467	16.480	5.156	0.694%	0.122
%RSD		45.090	5.377	0.000	3.245	87.820	37.890	0.840	138.700

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:45:02	0.142	0.703	0.204	14.540	5.416	0.001	-0.748	-0.050
2	23:45:45	-0.517	0.719	0.319	11.300	1.587	0.012	-0.806	0.070
3	23:46:28	-0.077	0.668	0.399	10.200	1.423	0.019	-0.680	-0.012
x		-0.150	0.697	0.307	12.010	2.809	0.011	-0.745	0.003
σ		0.336	0.026	0.098	2.256	2.260	0.009	0.063	0.061
%RSD		223.000	3.786	31.940	18.780	80.450	85.180	8.483	2164.000

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:45:02	0.055	0.170	0.081	-1.986	-3.717	-2.837	0.000	0.074
2	23:45:45	0.009	0.133	0.052	-0.512	-3.766	-2.444	0.000	0.127
3	23:46:28	0.050	0.024	-0.006	0.023	-3.927	-2.860	0.000	0.142
x		0.038	0.109	0.042	-0.825	-3.804	-2.714	0.000	0.114
σ		0.025	0.076	0.044	1.040	0.110	0.234	0.000	0.036
%RSD		66.410	69.230	104.300	126.100	2.886	8.618	0.000	31.320

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:45:02	72.667%	0.299	0.312	70.029%	0.005	-0.004	-0.031	-0.027
2	23:45:45	73.467%	0.214	0.304	70.901%	-0.004	0.003	0.063	0.047
3	23:46:28	74.244%	0.263	0.266	70.787%	0.001	-0.001	0.033	0.009
x		73.459%	0.259	0.294	70.572%	0.000	-0.001	0.022	0.010
σ		0.788%	0.042	0.025	0.474%	0.005	0.004	0.048	0.037
%RSD		1.073	16.430	8.335	0.672	972.700	655.100	220.700	386.700

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:45:02	73.920%	0.005	0.010	0.002	0.062	0.045	81.795%	82.207%
2	23:45:45	73.795%	-0.010	0.022	0.044	0.072	0.102	83.016%	83.506%
3	23:46:28	74.917%	-0.044	0.025	0.012	0.070	0.043	84.283%	84.562%
x		74.211%	-0.016	0.019	0.019	0.068	0.063	83.031%	83.425%
σ		0.615%	0.025	0.008	0.022	0.006	0.033	1.244%	1.180%
%RSD		0.828	152.900	40.750	113.500	8.445	53.140	1.498	1.414

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:45:02	0.007	0.012	0.069	0.052	0.050	85.185%
2	23:45:45	0.004	0.015	0.033	0.036	0.027	85.081%
3	23:46:28	0.012	0.012	0.006	0.014	0.008	85.536%
x		0.008	0.013	0.036	0.034	0.029	85.267%
σ		0.004	0.002	0.031	0.019	0.021	0.238%
%RSD		52.860	14.280	87.260	56.980	73.490	0.279

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:49:22	110.764%	41.040	922.400	1008.000	0.000	43670.000	57660.000	59870.000
2	23:50:05	115.154%	41.320	909.700	1010.000	0.000	43600.000	58390.000	60480.000
3	23:50:48	115.923%	40.830	960.200	1034.000	0.000	43860.000	58710.000	60550.000
x		113.947%	41.060	930.800	1017.000	0.000	43710.000	58250.000	60300.000
σ		2.783%	0.249	26.250	14.420	0.000	136.300	537.200	373.700
%RSD		2.442	0.606	2.820	1.418	0.000	0.312	0.922	0.620

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:49:22	2238.000	9678.000	0.000	45180.000	47590.000	50130.000	86.861%	1004.000
2	23:50:05	2248.000	9650.000	0.000	45230.000	47280.000	50130.000	89.805%	1013.000
3	23:50:48	2255.000	9738.000	0.000	45230.000	47960.000	50200.000	91.850%	1005.000
x		2247.000	9689.000	0.000	45210.000	47610.000	50150.000	89.506%	1007.000
σ		8.773	44.810	0.000	30.670	338.100	39.560	2.508%	4.776
%RSD		0.390	0.463	0.000	0.068	0.710	0.079	2.802	0.474

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:49:22	493.700	204.300	525.900	1038.000	1150.000	432.100	414.000	209.000
2	23:50:05	492.200	204.900	523.700	1033.000	1133.000	429.300	408.200	207.600
3	23:50:48	492.300	204.800	517.500	1024.000	1123.000	429.700	407.300	207.300
x		492.700	204.700	522.400	1032.000	1136.000	430.400	409.800	208.000
σ		0.852	0.307	4.333	7.229	13.460	1.551	3.651	0.941
%RSD		0.173	0.150	0.829	0.701	1.186	0.360	0.891	0.453

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:49:22	207.200	462.000	457.800	38.840	4.080	13.350	0.000	1061.000
2	23:50:05	207.400	464.000	452.900	36.660	3.425	10.020	0.000	1058.000
3	23:50:48	203.900	460.300	456.900	38.880	4.128	11.340	0.000	1067.000
x		206.200	462.100	455.900	38.130	3.878	11.570	0.000	1062.000
σ		1.965	1.818	2.576	1.268	0.393	1.675	0.000	4.135
%RSD		0.953	0.394	0.565	3.326	10.120	14.480	0.000	0.389

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:49:22	81.978%	1046.000	1051.000	74.712%	50.660	48.410	51.760	47.080
2	23:50:05	84.478%	1058.000	1057.000	76.203%	50.740	48.980	52.280	46.680
3	23:50:48	85.759%	1060.000	1071.000	77.397%	50.160	49.040	52.340	46.030
x		84.072%	1055.000	1060.000	76.104%	50.520	48.810	52.130	46.600
σ		1.923%	7.516	9.974	1.345%	0.316	0.349	0.320	0.529
%RSD		2.287	0.713	0.941	1.768	0.625	0.715	0.613	1.135

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:49:22	83.303%	1994.000	519.900	530.000	1988.000	2036.000	90.020%	96.829%
2	23:50:05	84.843%	2016.000	525.400	537.500	2009.000	2046.000	92.503%	98.817%
3	23:50:48	86.668%	2000.000	518.400	526.500	1992.000	2047.000	93.686%	98.964%
x		84.938%	2003.000	521.200	531.300	1996.000	2043.000	92.070%	98.203%
σ		1.684%	11.270	3.714	5.652	10.760	6.059	1.871%	1.192%
%RSD		1.983	0.563	0.713	1.064	0.539	0.296	2.032	1.214

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:49:22	44.060	45.130	18.190	18.120	17.950	101.935%
2	23:50:05	44.200	44.940	17.810	18.250	17.880	105.326%
3	23:50:48	44.650	45.160	18.020	18.320	18.110	104.904%
x		44.300	45.080	18.010	18.230	17.980	104.055%
σ		0.309	0.122	0.189	0.104	0.116	1.848%
%RSD		0.699	0.270	1.047	0.571	0.642	1.776

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:53:42	114.937%	0.005	20.710	22.760	0.000	2346.000	4924.000	5089.000
2	23:54:25	117.707%	-0.015	15.710	17.620	0.000	2323.000	4855.000	5068.000
3	23:55:08	115.252%	0.005	12.340	14.760	0.000	2351.000	4921.000	5062.000
x		115.965%	-0.002	16.250	18.380	0.000	2340.000	4900.000	5073.000
σ		1.516%	0.012	4.212	4.054	0.000	14.780	39.340	14.410
%RSD		1.308	694.000	25.920	22.050	0.000	0.632	0.803	0.284

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:53:42	71.570	4417.000	0.000	3099.000	15030.000	15930.000	88.700%	8.385
2	23:54:25	71.110	4367.000	0.000	3088.000	15110.000	15960.000	89.320%	7.517
3	23:55:08	69.740	4370.000	0.000	3306.000	14700.000	15640.000	89.972%	7.788
x		70.810	4384.000	0.000	3164.000	14950.000	15840.000	89.331%	7.897
σ		0.951	28.320	0.000	122.600	216.700	178.400	0.636%	0.444
%RSD		1.343	0.646	0.000	3.875	1.450	1.126	0.712	5.621

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:53:42	-0.821	10.830	274.200	375.300	381.700	2.843	0.618	8.786
2	23:54:25	3.011	10.150	273.200	370.700	381.600	2.839	0.635	8.953
3	23:55:08	1.048	9.594	274.400	366.600	373.800	2.817	0.799	8.531
x		1.080	10.190	274.000	370.900	379.000	2.833	0.684	8.757
σ		1.916	0.617	0.628	4.343	4.540	0.014	0.100	0.212
%RSD		177.500	6.050	0.229	1.171	1.198	0.487	14.660	2.427

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:53:42	8.703	82.490	81.440	-0.107	-6.266	-4.866	0.000	41.460
2	23:54:25	9.458	82.390	81.970	-1.928	-6.383	-4.505	0.000	41.770
3	23:55:08	8.632	83.720	80.010	2.662	-6.943	-5.580	0.000	41.560
x		8.931	82.870	81.140	0.209	-6.530	-4.983	0.000	41.600
σ		0.458	0.740	1.015	2.311	0.362	0.547	0.000	0.157
%RSD		5.128	0.893	1.251	1106.000	5.541	10.980	0.000	0.378

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:53:42	94.637%	4.849	5.332	79.069%	0.001	0.003	0.163	0.178
2	23:54:25	95.030%	2.987	3.064	78.355%	0.011	0.007	0.160	0.184
3	23:55:08	95.968%	2.035	2.104	79.975%	-0.002	-0.005	0.295	0.203
x		95.212%	3.290	3.500	79.133%	0.003	0.002	0.206	0.189
σ		0.684%	1.431	1.657	0.812%	0.007	0.006	0.077	0.013
%RSD		0.718	43.500	47.350	1.026	222.300	392.700	37.630	6.744

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:53:42	86.424%	8.949	0.477	0.524	20.090	21.200	95.839%	95.634%
2	23:54:25	87.710%	6.180	0.424	0.397	20.260	20.790	97.069%	96.976%
3	23:55:08	88.713%	5.110	0.326	0.363	20.310	20.720	98.005%	98.073%
x		87.616%	6.746	0.409	0.428	20.220	20.910	96.971%	96.894%
σ		1.148%	1.981	0.077	0.085	0.119	0.258	1.086%	1.222%
%RSD		1.310	29.360	18.720	19.860	0.589	1.234	1.120	1.261

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:53:42	0.334	0.341	0.315	0.333	0.306	102.651%
2	23:54:25	0.243	0.287	0.262	0.270	0.268	103.244%
3	23:55:08	0.197	0.196	0.244	0.253	0.257	103.752%
x		0.258	0.275	0.274	0.285	0.277	103.215%
σ		0.070	0.074	0.037	0.042	0.026	0.551%
%RSD		27.060	26.750	13.420	14.800	9.219	0.534

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:58:02	97.400%	0.009	3.707	3.485	0.000	518.900	875.700	931.900
2	23:58:45	100.568%	-0.015	2.339	3.200	0.000	510.200	892.700	929.300
3	23:59:28	97.542%	-0.015	2.554	2.687	0.000	516.000	910.600	928.100
x		98.503%	-0.007	2.867	3.124	0.000	515.000	893.000	929.800
σ		1.790%	0.014	0.736	0.404	0.000	4.446	17.470	1.945
%RSD		1.817	192.200	25.670	12.940	0.000	0.863	1.956	0.209

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:58:02	15.320	837.400	0.000	613.500	2974.000	3105.000	74.526%	0.871
2	23:58:45	14.020	836.200	0.000	613.100	2806.000	3085.000	74.860%	0.471
3	23:59:28	13.540	839.800	0.000	616.000	3051.000	3071.000	74.625%	1.001
x		14.290	837.800	0.000	614.200	2944.000	3087.000	74.670%	0.781
σ		0.919	1.816	0.000	1.596	125.100	17.030	0.172%	0.276
%RSD		6.433	0.217	0.000	0.260	4.251	0.551	0.230	35.330

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:58:02	-0.938	2.110	55.660	87.950	82.850	0.703	-0.438	2.084
2	23:58:45	-0.451	2.069	55.130	86.550	77.830	0.623	-0.492	1.972
3	23:59:28	0.338	2.061	55.100	82.350	75.170	0.624	-0.424	1.835
x		-0.350	2.080	55.300	85.620	78.620	0.650	-0.452	1.964
σ		0.644	0.026	0.316	2.914	3.898	0.045	0.036	0.125
%RSD		183.700	1.273	0.572	3.404	4.958	7.001	7.996	6.359

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:58:02	1.943	17.270	17.830	-0.916	-5.441	-1.565	0.000	8.504
2	23:58:45	2.204	17.620	17.560	-0.344	-5.473	-2.283	0.000	8.776
3	23:59:28	1.954	17.250	16.670	-2.408	-5.337	-2.579	0.000	8.384
x		2.034	17.380	17.360	-1.222	-5.417	-2.142	0.000	8.555
σ		0.147	0.208	0.605	1.065	0.071	0.521	0.000	0.201
%RSD		7.255	1.197	3.484	87.160	1.310	24.330	0.000	2.343

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:58:02	78.879%	0.746	0.959	72.884%	-0.001	0.010	0.068	0.010
2	23:58:45	78.926%	0.757	0.808	72.980%	0.016	0.012	-0.036	0.002
3	23:59:28	79.675%	0.654	0.686	72.715%	0.004	-0.001	0.019	-0.019
x		79.160%	0.719	0.818	72.860%	0.006	0.007	0.017	-0.002
σ		0.446%	0.056	0.137	0.135%	0.009	0.007	0.052	0.015
%RSD		0.564	7.850	16.730	0.185	141.800	100.100	308.500	619.900

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:58:02	78.525%	0.674	0.097	0.109	4.267	4.347	87.238%	88.374%
2	23:58:45	78.599%	0.444	0.098	0.111	4.571	4.063	87.455%	86.988%
3	23:59:28	79.140%	0.373	0.076	0.090	3.397	4.092	88.180%	88.047%
x		78.754%	0.497	0.090	0.103	4.078	4.167	87.625%	87.803%
σ		0.336%	0.158	0.013	0.012	0.609	0.157	0.493%	0.724%
%RSD		0.426	31.700	13.880	11.510	14.940	3.757	0.563	0.825

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:58:02	0.061	0.070	0.105	0.119	0.115	89.350%
2	23:58:45	0.060	0.072	0.120	0.106	0.094	89.722%
3	23:59:28	0.055	0.066	0.083	0.092	0.074	90.319%
x		0.059	0.069	0.103	0.106	0.094	89.797%
σ		0.003	0.003	0.018	0.013	0.020	0.489%
%RSD		5.577	4.776	17.790	12.530	21.210	0.544

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:02:23	110.125%	40.520	940.500	997.600	0.000	44470.000	60920.000	62840.000
2	00:03:06	115.198%	40.910	913.300	1010.000	0.000	44320.000	61040.000	63140.000
3	00:03:49	116.598%	40.870	947.900	1020.000	0.000	44370.000	61750.000	63680.000
x		113.973%	40.770	933.900	1009.000	0.000	44390.000	61240.000	63220.000
σ		3.406%	0.212	18.250	11.300	0.000	72.670	452.600	428.100
%RSD		2.988	0.521	1.954	1.120	0.000	0.164	0.739	0.677

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:02:23	2184.000	13550.000	0.000	46380.000	59880.000	62710.000	89.276%	941.900
2	00:03:06	2195.000	13530.000	0.000	46280.000	60020.000	62940.000	92.534%	971.800
3	00:03:49	2199.000	13560.000	0.000	46250.000	60860.000	62900.000	94.292%	951.400
x		2193.000	13540.000	0.000	46300.000	60250.000	62850.000	92.034%	955.000
σ		7.819	14.880	0.000	69.930	530.800	121.900	2.545%	15.280
%RSD		0.356	0.110	0.000	0.151	0.881	0.194	2.765	1.600

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:02:23	465.500	193.100	754.600	1305.000	1435.000	402.800	382.000	199.600
2	00:03:06	470.500	193.900	750.200	1296.000	1425.000	399.800	377.700	197.600
3	00:03:49	463.800	191.600	745.000	1291.000	1393.000	397.200	375.700	195.500
x		466.600	192.900	749.900	1297.000	1418.000	399.900	378.500	197.600
σ		3.495	1.149	4.793	7.259	21.570	2.803	3.194	2.017
%RSD		0.749	0.596	0.639	0.560	1.521	0.701	0.844	1.021

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:02:23	197.200	499.000	492.400	33.710	2.247	3.080	0.000	949.100
2	00:03:06	195.400	496.700	488.200	33.350	2.371	5.945	0.000	952.000
3	00:03:49	195.100	494.400	481.600	32.820	2.320	3.188	0.000	943.300
x		195.900	496.700	487.400	33.290	2.312	4.071	0.000	948.100
σ		1.112	2.279	5.483	0.444	0.062	1.624	0.000	4.436
%RSD		0.568	0.459	1.125	1.334	2.692	39.890	0.000	0.468

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:02:23	94.202%	941.800	968.100	77.147%	47.210	46.700	51.740	44.500
2	00:03:06	97.522%	949.500	978.100	79.787%	47.160	46.190	49.490	43.870
3	00:03:49	99.943%	939.800	967.500	80.854%	47.250	46.060	49.910	45.050
x		97.222%	943.700	971.200	79.263%	47.210	46.320	50.380	44.470
σ		2.882%	5.144	5.943	1.908%	0.046	0.338	1.193	0.589
%RSD		2.964	0.545	0.612	2.407	0.098	0.731	2.367	1.324

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:02:23	85.800%	1903.000	496.100	504.700	1891.000	1932.000	96.050%	97.069%
2	00:03:06	89.014%	1894.000	494.900	501.700	1890.000	1929.000	99.032%	99.679%
3	00:03:49	90.710%	1895.000	494.400	502.700	1884.000	1925.000	101.064%	101.048%
x		88.508%	1897.000	495.100	503.000	1888.000	1929.000	98.715%	99.265%
σ		2.494%	4.863	0.867	1.552	3.830	3.479	2.522%	2.021%
%RSD		2.817	0.256	0.175	0.309	0.203	0.180	2.555	2.036

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:02:23	42.850	43.970	17.600	18.160	17.880	102.592%
2	00:03:06	42.920	44.010	17.790	18.020	17.770	105.026%
3	00:03:49	43.050	43.930	17.650	17.680	17.660	107.182%
x		42.940	43.970	17.680	17.950	17.770	104.933%
σ		0.104	0.040	0.102	0.246	0.109	2.296%
%RSD		0.241	0.091	0.577	1.369	0.615	2.188

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:06:44	112.700%	44.130	943.600	1059.000	0.000	45970.000	63610.000	65450.000
2	00:07:27	116.948%	40.300	963.900	1040.000	0.000	46050.000	63800.000	65920.000
3	00:08:10	117.686%	42.160	956.000	1051.000	0.000	45810.000	64040.000	65840.000
x		115.778%	42.200	954.500	1050.000	0.000	45940.000	63820.000	65730.000
σ		2.691%	1.917	10.240	9.624	0.000	120.400	217.600	253.100
%RSD		2.324	4.543	1.073	0.917	0.000	0.262	0.341	0.385

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:06:44	2269.000	13930.000	0.000	47500.000	61500.000	64590.000	93.144%	964.500
2	00:07:27	2278.000	13880.000	0.000	47760.000	62010.000	65470.000	94.895%	985.700
3	00:08:10	2271.000	13900.000	0.000	47700.000	61020.000	65000.000	95.935%	976.400
x		2273.000	13900.000	0.000	47650.000	61510.000	65020.000	94.658%	975.500
σ		5.085	24.420	0.000	136.600	497.600	440.300	1.411%	10.600
%RSD		0.224	0.176	0.000	0.287	0.809	0.677	1.490	1.087

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:06:44	475.000	195.800	764.600	1321.000	1441.000	406.000	377.500	198.400
2	00:07:27	472.100	196.200	766.100	1309.000	1459.000	403.500	379.500	198.900
3	00:08:10	473.400	196.500	765.900	1303.000	1444.000	402.400	381.100	198.500
x		473.500	196.100	765.500	1311.000	1448.000	403.900	379.400	198.600
σ		1.420	0.341	0.816	9.113	9.757	1.830	1.783	0.262
%RSD		0.300	0.174	0.107	0.695	0.674	0.453	0.470	0.132

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:06:44	199.300	515.200	500.600	37.910	1.650	5.606	0.000	974.000
2	00:07:27	198.100	510.400	505.400	36.500	2.748	6.071	0.000	981.400
3	00:08:10	196.700	507.600	504.400	33.700	2.304	3.993	0.000	969.600
x		198.000	511.100	503.500	36.030	2.234	5.223	0.000	975.000
σ		1.303	3.807	2.517	2.144	0.552	1.091	0.000	5.947
%RSD		0.658	0.745	0.500	5.951	24.720	20.880	0.000	0.610

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:06:44	98.063%	962.800	996.800	79.709%	47.790	47.060	50.900	44.540
2	00:07:27	99.827%	975.600	1014.000	80.225%	48.850	47.690	51.270	45.560
3	00:08:10	100.074%	974.800	1008.000	81.518%	48.710	47.180	50.460	44.830
x		99.321%	971.100	1006.000	80.484%	48.450	47.310	50.880	44.980
σ		1.097%	7.165	8.536	0.932%	0.574	0.338	0.407	0.527
%RSD		1.104	0.738	0.849	1.158	1.184	0.715	0.800	1.171

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:06:44	89.516%	1945.000	504.200	512.400	1914.000	1967.000	99.597%	100.631%
2	00:07:27	90.674%	1949.000	507.900	517.600	1944.000	1988.000	101.380%	102.037%
3	00:08:10	91.325%	1962.000	507.800	518.500	1928.000	1981.000	102.683%	101.734%
x		90.505%	1952.000	506.600	516.100	1929.000	1979.000	101.220%	101.468%
σ		0.916%	8.945	2.090	3.265	15.190	10.510	1.549%	0.740%
%RSD		1.012	0.458	0.412	0.633	0.788	0.531	1.531	0.729

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:06:44	45.310	45.900	18.480	18.810	18.490	104.433%
2	00:07:27	44.510	45.940	18.530	18.760	18.520	106.859%
3	00:08:10	45.590	46.790	18.350	19.020	18.590	105.819%
x		45.140	46.210	18.450	18.870	18.530	105.704%
σ		0.561	0.507	0.089	0.138	0.052	1.217%
%RSD		1.242	1.096	0.484	0.734	0.281	1.151

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:11:05	116.347%	0.044	21.870	24.620	0.000	2404.000	5155.000	5376.000
2	00:11:48	116.529%	0.005	15.060	18.160	0.000	2416.000	5228.000	5436.000
3	00:12:31	118.889%	0.063	15.290	15.390	0.000	2386.000	5240.000	5346.000
x		117.255%	0.037	17.400	19.390	0.000	2402.000	5208.000	5386.000
σ		1.418%	0.030	3.869	4.738	0.000	15.050	46.210	45.720
%RSD		1.209	79.440	22.230	24.430	0.000	0.627	0.887	0.849

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:11:05	73.420	4454.000	0.000	3342.000	15930.000	16490.000	92.086%	9.425
2	00:11:48	73.600	4507.000	0.000	3127.000	15390.000	16750.000	91.496%	8.981
3	00:12:31	71.050	4449.000	0.000	3099.000	16050.000	16630.000	92.104%	8.597
x		72.690	4470.000	0.000	3189.000	15790.000	16620.000	91.895%	9.001
σ		1.426	32.340	0.000	133.200	354.800	133.100	0.346%	0.415
%RSD		1.961	0.724	0.000	4.176	2.247	0.801	0.377	4.606

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:11:05	11.350	12.470	283.100	377.200	398.100	3.028	0.595	8.131
2	00:11:48	2.910	11.920	286.600	382.900	389.400	3.017	0.728	8.388
3	00:12:31	-2.918	11.530	284.300	374.600	375.900	2.894	0.633	8.056
x		3.782	11.970	284.700	378.200	387.800	2.980	0.652	8.192
σ		7.176	0.473	1.806	4.250	11.210	0.074	0.069	0.174
%RSD		189.700	3.949	0.634	1.124	2.891	2.491	10.560	2.125

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:11:05	8.181	85.270	83.390	2.582	-6.790	-3.489	0.000	42.310
2	00:11:48	8.009	85.270	84.540	4.381	-6.929	-3.698	0.000	43.060
3	00:12:31	8.482	83.580	83.930	1.036	-6.730	-5.231	0.000	42.550
x		8.224	84.710	83.950	2.666	-6.816	-4.139	0.000	42.640
σ		0.239	0.976	0.575	1.674	0.102	0.951	0.000	0.383
%RSD		2.910	1.153	0.684	62.780	1.495	22.980	0.000	0.898

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:11:05	97.370%	5.492	5.797	80.677%	0.016	0.001	0.196	0.091
2	00:11:48	97.755%	3.473	3.661	81.265%	0.016	0.008	0.221	0.199
3	00:12:31	99.082%	2.609	2.530	81.770%	0.010	0.012	0.200	0.169
x		98.069%	3.858	3.996	81.237%	0.014	0.007	0.205	0.153
σ		0.899%	1.479	1.659	0.547%	0.004	0.006	0.013	0.056
%RSD		0.916	38.340	41.510	0.673	26.640	79.070	6.456	36.310

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:11:05	90.695%	10.910	0.529	0.566	20.900	21.570	98.692%	99.140%
2	00:11:48	89.973%	8.106	0.400	0.450	20.160	21.440	100.284%	99.597%
3	00:12:31	90.976%	6.616	0.372	0.377	20.750	20.810	100.787%	100.501%
x		90.548%	8.545	0.434	0.464	20.600	21.270	99.921%	99.746%
σ		0.518%	2.182	0.084	0.095	0.392	0.404	1.094%	0.693%
%RSD		0.572	25.540	19.430	20.520	1.904	1.899	1.095	0.694

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:11:05	0.444	0.446	0.274	0.270	0.282	103.699%
2	00:11:48	0.342	0.324	0.250	0.287	0.265	103.900%
3	00:12:31	0.231	0.259	0.254	0.269	0.254	104.332%
x		0.339	0.343	0.259	0.275	0.267	103.977%
σ		0.107	0.095	0.012	0.010	0.014	0.323%
%RSD		31.480	27.810	4.782	3.741	5.164	0.311

CCV 586960 10/10/2012 12:17:38 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:18:21	81.391%	87.800	90.210	96.660	0.000	46550.000	53520.000	55290.000
2	00:19:04	79.762%	89.850	97.390	101.200	0.000	47250.000	54010.000	55790.000
3	00:19:47	80.992%	92.350	92.410	97.130	0.000	47450.000	54060.000	55880.000
x		80.715%	89.998%	93.335%	98.332%	0.000	94.166%	107.726%	111.304%
σ		0.849%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.052	2.530	3.940	2.538	0.000	1.009	0.550	0.574

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:18:21	522.300	4979.000	0.000	49660.000	49140.000	49350.000	68.651%	102.300
2	00:19:04	527.800	5020.000	0.000	49960.000	48350.000	49350.000	69.499%	106.300
3	00:19:47	529.000	5046.000	0.000	50440.000	49320.000	49740.000	69.670%	99.770
x		105.273%	100.307%	0.000	100.043%	97.876%	98.965%	69.273%	102.796%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.546%	n/a
%RSD		0.682	0.674	0.000	0.788	1.047	0.458	0.788	3.187

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:18:21	98.700	101.400	529.400	27310.000	25520.000	95.310	88.160	92.360
2	00:19:04	100.900	100.800	532.600	27350.000	25590.000	96.310	92.570	92.630
3	00:19:47	101.700	102.300	533.000	27490.000	25790.000	96.290	92.100	92.760
x		100.435%	101.482%	106.337%	109.530%	102.540%	95.969%	90.945%	92.584%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.539	0.737	0.372	0.360	0.546	0.595	2.663	0.219

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:18:21	91.570	99.720	99.660	95.910	91.770	98.730	0.000	100.800
2	00:19:04	89.830	100.100	98.520	96.530	95.010	97.820	0.000	100.300
3	00:19:47	90.390	101.800	99.270	97.050	95.860	98.430	0.000	99.000
x		90.597%	100.549%	99.151%	96.495%	94.211%	98.324%	0.000	100.009%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.984	1.086	0.586	0.587	2.294	0.473	0.000	0.911

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:18:21	73.960%	94.490	98.550	69.695%	97.100	97.320	99.560	99.290
2	00:19:04	75.189%	98.130	100.800	71.020%	98.220	97.270	100.700	100.400
3	00:19:47	75.897%	102.400	103.100	71.877%	98.470	97.290	101.300	99.210
x		75.015%	98.357%	100.837%	70.864%	97.932%	97.294%	100.517%	99.622%
σ		0.980%	n/a	n/a	1.099%	n/a	n/a	n/a	n/a
%RSD		1.306	4.046	2.269	1.551	0.743	0.029	0.896	0.649

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:18:21	74.347%	100.100	102.200	102.100	99.050	98.110	83.711%	84.086%
2	00:19:04	75.207%	100.600	103.200	102.200	97.070	98.480	84.308%	84.668%
3	00:19:47	75.951%	100.300	102.700	103.700	96.840	97.860	84.680%	85.734%
x		75.168%	100.330%	102.678%	102.689%	97.651%	98.150%	84.233%	84.829%
σ		0.803%	n/a	n/a	n/a	n/a	n/a	0.489%	0.836%
%RSD		1.068	0.254	0.497	0.842	1.243	0.322	0.580	0.985

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:18:21	93.480	94.940	95.870	96.010	95.700	87.647%
2	00:19:04	95.230	96.570	96.790	96.860	96.560	87.668%
3	00:19:47	96.630	97.940	97.890	99.180	97.970	86.925%
x		95.112%	96.482%	96.849%	97.351%	96.743%	87.413%
σ		n/a	n/a	n/a	n/a	n/a	0.423%
%RSD		1.659	1.556	1.040	1.688	1.185	0.484

CCB8 10/10/2012 12:24:55 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:25:38	103.307%	0.007	1.386	1.641	0.000	62.490	12.420	11.960
2	00:26:21	102.516%	0.007	2.000	0.801	0.000	70.780	16.360	17.280
3	00:27:04	101.440%	0.030	0.936	0.576	0.000	68.670	13.460	14.910
x		102.421%	0.015	1.441	1.006	0.000	67.310	14.080	14.720
σ		0.937%	0.013	0.534	0.561	0.000	4.308	2.040	2.663
%RSD		0.915	88.560	37.080	55.790	0.000	6.400	14.490	18.090

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:25:38	0.783	1.840	0.000	-15.200	22.650	17.270	82.812%	-0.115
2	00:26:21	1.664	2.171	0.000	-9.801	22.320	18.120	83.686%	-0.196
3	00:27:04	1.325	2.229	0.000	-10.190	14.870	17.070	83.341%	-0.195
x		1.257	2.080	0.000	-11.730	19.950	17.490	83.280%	-0.169
σ		0.444	0.210	0.000	3.011	4.399	0.557	0.440%	0.046
%RSD		35.330	10.080	0.000	25.660	22.050	3.187	0.529	27.420

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:25:38	0.210	0.010	0.286	18.870	21.770	0.035	-0.765	-0.023
2	00:26:21	0.193	-0.026	0.458	16.260	24.000	0.038	-0.769	-0.055
3	00:27:04	0.029	-0.040	0.379	14.030	21.670	0.042	-0.693	-0.037
x		0.144	-0.019	0.374	16.380	22.480	0.039	-0.743	-0.038
σ		0.100	0.026	0.086	2.422	1.313	0.003	0.043	0.016
%RSD		69.610	139.500	22.860	14.780	5.841	8.941	5.782	40.690

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:25:38	-0.010	-0.150	-0.334	-0.229	-3.390	-2.468	0.000	0.097
2	00:26:21	-0.012	-0.122	-0.117	-0.327	-3.668	-2.144	0.000	0.140
3	00:27:04	-0.023	-0.276	-0.276	-0.484	-2.934	-1.955	0.000	0.134
x		-0.015	-0.183	-0.242	-0.346	-3.331	-2.189	0.000	0.123
σ		0.007	0.082	0.112	0.128	0.371	0.260	0.000	0.023
%RSD		49.690	44.730	46.380	37.070	11.120	11.860	0.000	18.790

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:25:38	83.368%	0.838	0.841	77.143%	0.030	0.609	0.101	0.067
2	00:26:21	84.118%	0.875	1.002	77.683%	0.027	0.016	-0.022	0.000
3	00:27:04	82.973%	0.688	0.739	77.325%	0.012	0.011	-0.016	0.002
x		83.486%	0.800	0.861	77.383%	0.023	0.212	0.021	0.023
σ		0.582%	0.099	0.132	0.275%	0.010	0.344	0.069	0.038
%RSD		0.697	12.380	15.370	0.355	43.100	162.300	327.900	167.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:25:38	80.786%	0.236	0.125	0.115	0.053	0.055	87.838%	88.622%
2	00:26:21	81.067%	0.163	0.158	0.150	0.137	0.149	87.893%	88.493%
3	00:27:04	80.366%	0.194	0.098	0.104	0.086	0.116	86.535%	87.571%
x		80.739%	0.198	0.127	0.123	0.092	0.106	87.422%	88.229%
σ		0.353%	0.037	0.030	0.024	0.042	0.048	0.769%	0.574%
%RSD		0.437	18.550	23.820	19.530	46.180	45.000	0.879	0.650

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:25:38	0.074	0.087	0.143	0.112	0.115	94.416%
2	00:26:21	0.075	0.083	0.063	0.084	0.075	94.783%
3	00:27:04	0.070	0.069	0.042	0.057	0.047	92.478%
x		0.073	0.080	0.083	0.084	0.079	93.892%
σ		0.003	0.010	0.054	0.028	0.034	1.239%
%RSD		3.850	11.880	64.800	32.660	43.170	1.319

CRI 571908 10/10/2012 12:32:15 AM QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:32:58	102.774%	0.773	6.368	5.696	0.000	128.100	82.290	93.940
2	00:33:41	105.424%	0.733	3.842	5.054	0.000	130.700	83.170	89.260
3	00:34:24	106.037%	0.620	4.296	4.852	0.000	129.900	91.460	87.700
x		104.745%	70.855%	96.711%	104.015%	0.000	129.564%	85.641%	90.300%
σ		1.734%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.656	11.180	27.850	8.467	0.000	1.016	5.910	3.594

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:32:58	25.770	427.800	0.000	78.430	124.700	106.500	78.667%	4.595
2	00:33:41	25.620	431.000	0.000	67.870	156.000	103.500	78.954%	4.032
3	00:34:24	26.090	426.400	0.000	71.080	137.500	104.700	78.143%	5.002
x		86.095%	85.676%	0.000	72.457%	139.424%	104.872%	78.588%	90.864%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.411%	n/a
%RSD		0.930	0.552	0.000	7.475	11.300	1.452	0.524	10.720

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:32:58	0.907	1.798	4.976	50.440	66.770	0.410	0.299	2.035
2	00:33:41	0.678	1.748	5.153	48.890	65.780	0.487	0.175	1.897
3	00:34:24	1.196	1.834	4.973	50.060	58.380	0.436	0.094	1.958
x		92.689%	89.653%	1006.851%	99.596%	127.286%	88.851%	18.955%	98.183%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		28.030	2.392	2.049	1.619	7.200	8.804	54.330	3.523

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:32:58	1.942	6.502	6.381	0.656	1.212	4.056	0.000	4.941
2	00:33:41	2.264	6.619	6.702	1.412	1.087	6.644	0.000	4.961
3	00:34:24	2.078	6.100	6.579	0.750	1.132	2.635	0.000	4.949
x		104.730%	128.141%	131.077%	93.905%	22.874%	88.899%	0.000	99.014%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		7.721	4.254	2.473	43.890	5.528	45.740	0.000	0.206

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:32:58	73.510%	4.265	4.421	74.812%	1.046	0.987	1.069	0.963
2	00:33:41	74.375%	4.734	4.527	75.394%	1.005	0.902	0.976	1.102
3	00:34:24	74.711%	4.422	4.638	75.387%	0.955	0.955	1.005	0.984
x		74.199%	89.479%	90.573%	75.198%	100.199%	94.789%	101.665%	101.640%
σ		0.619%	n/a	n/a	0.334%	n/a	n/a	n/a	n/a
%RSD		0.834	5.338	2.388	0.444	4.542	4.540	4.702	7.352

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:32:58	77.461%	4.749	1.924	1.725	9.349	9.462	83.280%	83.929%
2	00:33:41	78.538%	4.702	1.851	1.869	9.941	9.344	85.247%	87.077%
3	00:34:24	78.364%	4.729	1.711	2.104	9.871	9.707	85.392%	85.870%
x		78.121%	94.540%	91.441%	94.973%	97.205%	95.044%	84.639%	85.625%
σ		0.578%	n/a	n/a	n/a	n/a	n/a	1.180%	1.588%
%RSD		0.740	0.503	5.927	10.080	3.328	1.950	1.394	1.855

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:32:58	0.949	0.946	1.012	0.963	0.989	92.469%
2	00:33:41	0.952	0.937	0.966	0.962	0.945	92.523%
3	00:34:24	0.921	0.976	0.942	1.002	0.924	92.395%
x		94.060%	95.308%	97.318%	97.595%	95.270%	92.462%
σ		n/a	n/a	n/a	n/a	n/a	0.065%
%RSD		1.817	2.172	3.652	2.335	3.427	0.070

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:41:39	100.963%	0.008	8.885	10.380	0.000	2420.000	5104.000	5376.000
2	00:42:22	107.032%	0.028	8.588	10.240	0.000	2410.000	5217.000	5429.000
3	00:43:05	109.716%	0.027	10.270	10.800	0.000	2431.000	5280.000	5463.000
x		105.904%	0.021	9.247	10.470	0.000	2420.000	5200.000	5423.000
σ		4.484%	0.011	0.896	0.296	0.000	10.280	89.420	43.830
%RSD		4.234	54.630	9.686	2.830	0.000	0.425	1.720	0.808

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:41:39	67.980	4535.000	0.000	3100.000	15620.000	16920.000	82.032%	9.162
2	00:42:22	68.250	4512.000	0.000	3098.000	15900.000	17000.000	85.007%	9.642
3	00:43:05	68.150	4528.000	0.000	3080.000	15510.000	17100.000	87.509%	10.900
x		68.130	4525.000	0.000	3093.000	15680.000	17010.000	84.849%	9.900
σ		0.140	12.060	0.000	11.210	199.900	87.660	2.742%	0.895
%RSD		0.205	0.267	0.000	0.362	1.275	0.515	3.231	9.043

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:41:39	1.036	6.213	301.100	406.600	428.200	3.125	0.632	8.457
2	00:42:22	0.115	6.546	302.800	401.700	420.800	3.028	0.545	8.502
3	00:43:05	-1.951	6.779	301.400	399.300	407.900	2.982	0.669	8.353
x		-0.267	6.513	301.800	402.500	418.900	3.045	0.615	8.437
σ		1.530	0.284	0.888	3.731	10.270	0.073	0.064	0.076
%RSD		573.800	4.369	0.294	0.927	2.453	2.401	10.330	0.906

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:41:39	8.624	89.750	87.870	1.899	-6.300	-4.903	0.000	43.130
2	00:42:22	7.900	87.830	88.010	0.746	-6.610	-3.858	0.000	43.940
3	00:43:05	8.344	88.730	88.150	2.141	-6.911	-5.855	0.000	44.300
x		8.289	88.770	88.010	1.595	-6.607	-4.872	0.000	43.790
σ		0.365	0.960	0.140	0.745	0.306	0.999	0.000	0.600
%RSD		4.410	1.082	0.159	46.710	4.626	20.510	0.000	1.370

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:41:39	88.958%	0.855	0.788	75.427%	0.002	-0.001	0.197	0.137
2	00:42:22	92.244%	0.567	0.658	77.832%	-0.007	0.002	0.211	0.166
3	00:43:05	94.786%	0.517	0.649	79.420%	0.002	-0.003	0.263	0.195
x		91.996%	0.646	0.698	77.560%	-0.001	-0.001	0.224	0.166
σ		2.922%	0.182	0.078	2.011%	0.005	0.003	0.035	0.029
%RSD		3.176	28.210	11.170	2.592	538.900	257.700	15.520	17.650

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:41:39	82.418%	4.162	0.295	0.295	20.800	20.720	89.523%	91.716%
2	00:42:22	85.132%	3.932	0.228	0.283	21.390	21.390	95.394%	96.127%
3	00:43:05	88.078%	3.666	0.291	0.249	20.580	21.540	96.924%	97.920%
x		85.210%	3.920	0.272	0.276	20.920	21.220	93.947%	95.254%
σ		2.831%	0.249	0.037	0.024	0.417	0.439	3.907%	3.193%
%RSD		3.322	6.339	13.800	8.677	1.992	2.067	4.159	3.352

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:41:39	0.233	0.217	0.306	0.316	0.309	95.748%
2	00:42:22	0.124	0.159	0.278	0.277	0.266	99.250%
3	00:43:05	0.119	0.119	0.258	0.308	0.278	101.127%
x		0.159	0.165	0.281	0.300	0.284	98.708%
σ		0.064	0.049	0.024	0.021	0.022	2.730%
%RSD		40.620	29.860	8.638	6.895	7.814	2.766

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:45:59	107.163%	0.006	9.712	10.270	0.000	2387.000	5249.000	5390.000
2	00:46:42	108.201%	-0.015	7.316	10.170	0.000	2389.000	5182.000	5436.000
3	00:47:25	109.065%	0.027	7.478	10.480	0.000	2380.000	5241.000	5409.000
x		108.143%	0.006	8.169	10.310	0.000	2385.000	5224.000	5412.000
σ		0.953%	0.021	1.339	0.160	0.000	4.962	36.630	23.000
%RSD		0.881	342.000	16.400	1.555	0.000	0.208	0.701	0.425

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:45:59	61.700	4535.000	0.000	2971.000	16070.000	16780.000	86.304%	7.140
2	00:46:42	64.610	4518.000	0.000	2964.000	15780.000	16680.000	88.292%	7.609
3	00:47:25	62.480	4519.000	0.000	2964.000	15340.000	16810.000	88.889%	8.806
x		62.930	4524.000	0.000	2966.000	15730.000	16760.000	87.828%	7.851
σ		1.507	9.257	0.000	4.062	368.000	71.300	1.353%	0.859
%RSD		2.394	0.205	0.000	0.137	2.340	0.425	1.541	10.940

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:45:59	3.983	6.745	308.200	385.800	398.800	3.058	0.506	7.849
2	00:46:42	2.509	7.040	307.900	383.600	397.400	2.941	0.450	8.191
3	00:47:25	3.334	7.105	307.800	381.600	396.600	3.166	0.427	7.579
x		3.275	6.963	308.000	383.700	397.600	3.055	0.461	7.873
σ		0.739	0.192	0.235	2.092	1.097	0.113	0.041	0.307
%RSD		22.550	2.760	0.076	0.545	0.276	3.688	8.840	3.895

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:45:59	7.684	91.130	88.760	-1.276	-6.321	-3.975	0.000	43.950
2	00:46:42	7.900	90.420	91.570	0.897	-6.832	-3.630	0.000	44.040
3	00:47:25	7.908	91.660	91.050	1.182	-6.861	-4.348	0.000	43.430
x		7.831	91.070	90.460	0.268	-6.672	-3.984	0.000	43.810
σ		0.127	0.619	1.493	1.345	0.304	0.359	0.000	0.329
%RSD		1.625	0.680	1.650	502.400	4.558	9.016	0.000	0.751

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:45:59	92.679%	0.449	0.484	78.108%	-0.001	0.008	0.188	0.157
2	00:46:42	93.848%	0.375	0.545	79.514%	-0.002	0.003	0.162	0.155
3	00:47:25	95.883%	0.343	0.434	80.250%	-0.002	0.009	0.033	0.099
x		94.137%	0.389	0.488	79.291%	-0.002	0.007	0.128	0.137
σ		1.621%	0.054	0.056	1.088%	0.001	0.003	0.083	0.033
%RSD		1.722	14.000	11.420	1.373	60.340	48.990	65.090	23.860

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:45:59	86.399%	2.683	0.238	0.238	20.230	20.850	94.784%	94.748%
2	00:46:42	87.893%	2.817	0.226	0.260	20.960	20.520	97.461%	97.159%
3	00:47:25	88.353%	2.828	0.195	0.250	20.380	21.150	97.590%	97.843%
x		87.548%	2.776	0.220	0.249	20.520	20.840	96.612%	96.583%
σ		1.022%	0.081	0.022	0.011	0.384	0.315	1.584%	1.626%
%RSD		1.167	2.900	10.090	4.396	1.873	1.512	1.640	1.684

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:45:59	0.076	0.097	0.261	0.271	0.259	97.868%
2	00:46:42	0.081	0.087	0.248	0.253	0.239	99.581%
3	00:47:25	0.063	0.088	0.243	0.249	0.236	99.911%
x		0.074	0.091	0.250	0.258	0.245	99.120%
σ		0.009	0.006	0.009	0.012	0.012	1.097%
%RSD		12.820	6.090	3.723	4.665	4.993	1.106

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:50:17	109.831%	0.006	9.802	12.110	0.000	2386.000	5240.000	5446.000
2	00:51:00	110.822%	0.006	9.790	10.330	0.000	2408.000	5225.000	5438.000
3	00:51:43	112.926%	0.005	7.971	10.220	0.000	2398.000	5220.000	5478.000
x		111.193%	0.006	9.188	10.880	0.000	2397.000	5228.000	5454.000
σ		1.580%	0.000	1.054	1.063	0.000	10.630	10.160	21.210
%RSD		1.421	5.232	11.470	9.771	0.000	0.443	0.194	0.389

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:50:17	62.420	4552.000	0.000	2902.000	16020.000	16830.000	87.770%	9.073
2	00:51:00	63.540	4537.000	0.000	2887.000	15520.000	16830.000	90.481%	8.288
3	00:51:43	63.400	4553.000	0.000	2922.000	15810.000	16870.000	90.810%	9.993
x		63.120	4547.000	0.000	2904.000	15780.000	16850.000	89.687%	9.118
σ		0.607	8.938	0.000	17.530	251.900	19.880	1.668%	0.853
%RSD		0.962	0.197	0.000	0.604	1.596	0.118	1.860	9.359

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:50:17	1.964	7.351	317.800	399.000	408.100	3.442	0.695	7.695
2	00:51:00	4.322	7.598	313.200	394.500	399.900	3.332	0.453	7.978
3	00:51:43	2.953	7.814	316.900	398.100	409.900	3.317	0.693	7.703
x		3.080	7.588	316.000	397.200	406.000	3.364	0.614	7.792
σ		1.184	0.232	2.399	2.391	5.330	0.068	0.139	0.161
%RSD		38.440	3.059	0.759	0.602	1.313	2.033	22.700	2.069

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:50:17	7.899	93.450	93.500	0.897	-6.770	-3.754	0.000	43.890
2	00:51:00	7.540	92.360	92.260	0.448	-6.826	-4.744	0.000	44.290
3	00:51:43	7.832	93.430	94.690	-1.351	-7.203	-4.066	0.000	44.400
x		7.757	93.080	93.480	-0.002	-6.933	-4.188	0.000	44.200
σ		0.191	0.622	1.214	1.189	0.236	0.506	0.000	0.270
%RSD		2.459	0.669	1.298	58970.000	3.400	12.080	0.000	0.612

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:50:17	94.102%	0.334	0.445	78.965%	0.009	-0.000	0.116	0.135
2	00:51:00	96.269%	0.357	0.351	80.534%	0.002	0.003	0.134	0.120
3	00:51:43	96.450%	0.390	0.367	81.345%	-0.006	-0.004	0.199	0.196
x		95.607%	0.360	0.388	80.281%	0.002	-0.000	0.149	0.150
σ		1.307%	0.028	0.050	1.210%	0.007	0.003	0.044	0.040
%RSD		1.367	7.799	13.010	1.507	409.600	1102.000	29.290	26.540

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:50:17	87.566%	3.006	0.243	0.211	19.760	21.120	95.609%	96.288%
2	00:51:00	89.661%	2.830	0.211	0.260	20.120	21.130	99.108%	98.967%
3	00:51:43	90.022%	2.849	0.153	0.231	20.770	21.170	99.417%	99.595%
x		89.083%	2.895	0.202	0.234	20.220	21.140	98.045%	98.283%
σ		1.326%	0.097	0.046	0.024	0.512	0.027	2.115%	1.757%
%RSD		1.488	3.334	22.540	10.440	2.532	0.126	2.157	1.787

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:50:17	0.071	0.068	0.243	0.237	0.234	99.600%
2	00:51:00	0.058	0.073	0.228	0.236	0.233	101.720%
3	00:51:43	0.040	0.069	0.227	0.273	0.237	102.659%
x		0.056	0.070	0.233	0.249	0.235	101.326%
σ		0.016	0.003	0.009	0.021	0.002	1.567%
%RSD		27.610	4.357	3.770	8.365	0.760	1.547

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:54:36	106.489%	0.071	9.300	10.630	0.000	2444.000	5287.000	5554.000
2	00:55:19	108.486%	0.027	7.426	9.212	0.000	2453.000	5437.000	5604.000
3	00:56:02	108.657%	-0.015	7.862	9.164	0.000	2461.000	5410.000	5609.000
x		107.877%	0.028	8.196	9.669	0.000	2453.000	5378.000	5589.000
σ		1.205%	0.043	0.981	0.833	0.000	8.445	79.940	30.450
%RSD		1.117	154.800	11.960	8.617	0.000	0.344	1.486	0.545

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:54:36	57.270	4651.000	0.000	2883.000	15910.000	17050.000	86.868%	7.284
2	00:55:19	59.230	4638.000	0.000	2886.000	16370.000	17240.000	86.988%	7.646
3	00:56:02	58.210	4639.000	0.000	2900.000	16340.000	17210.000	87.532%	8.460
x		58.240	4643.000	0.000	2890.000	16200.000	17160.000	87.129%	7.797
σ		0.979	7.145	0.000	9.135	259.400	101.300	0.354%	0.602
%RSD		1.681	0.154	0.000	0.316	1.601	0.590	0.406	7.723

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:54:36	1.722	7.117	326.300	404.700	419.700	3.283	0.600	7.679
2	00:55:19	1.067	6.905	327.000	406.300	430.100	3.159	0.608	7.655
3	00:56:02	0.024	7.061	330.500	404.800	413.700	3.268	0.469	7.462
x		0.938	7.028	327.900	405.300	421.200	3.237	0.559	7.599
σ		0.857	0.110	2.299	0.904	8.308	0.068	0.078	0.119
%RSD		91.370	1.564	0.701	0.223	1.973	2.094	13.970	1.570

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:54:36	7.363	97.100	98.480	0.351	-6.887	-2.467	0.000	44.860
2	00:55:19	7.522	97.410	94.810	-2.025	-6.978	-5.450	0.000	45.060
3	00:56:02	7.564	96.430	95.860	1.028	-6.883	-4.637	0.000	45.120
x		7.483	96.980	96.380	-0.216	-6.916	-4.185	0.000	45.010
σ		0.106	0.498	1.889	1.603	0.054	1.542	0.000	0.136
%RSD		1.417	0.513	1.960	743.700	0.779	36.850	0.000	0.302

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:54:36	92.392%	0.271	0.407	77.975%	-0.002	0.000	0.355	0.259
2	00:55:19	93.806%	0.403	0.339	78.499%	0.004	-0.002	0.109	0.079
3	00:56:02	94.261%	0.338	0.381	79.180%	-0.004	0.003	0.172	0.178
x		93.486%	0.338	0.375	78.551%	-0.001	0.000	0.212	0.172
σ		0.975%	0.066	0.034	0.604%	0.004	0.002	0.128	0.090
%RSD		1.043	19.540	9.179	0.769	711.700	514.500	60.300	52.520

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:54:36	86.043%	1.920	0.183	0.215	19.950	21.800	94.954%	95.199%
2	00:55:19	86.776%	2.096	0.181	0.219	20.290	20.550	96.621%	96.720%
3	00:56:02	87.256%	2.129	0.187	0.145	20.790	21.690	96.244%	96.708%
x		86.692%	2.048	0.184	0.193	20.350	21.340	95.940%	96.209%
σ		0.611%	0.112	0.003	0.041	0.424	0.691	0.875%	0.875%
%RSD		0.705	5.469	1.546	21.470	2.082	3.238	0.912	0.909

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:54:36	0.064	0.065	0.258	0.223	0.234	96.606%
2	00:55:19	0.059	0.060	0.239	0.270	0.231	98.784%
3	00:56:02	0.047	0.061	0.202	0.194	0.211	99.180%
x		0.057	0.062	0.233	0.229	0.226	98.190%
σ		0.009	0.003	0.028	0.038	0.013	1.386%
%RSD		15.900	4.183	12.170	16.630	5.590	1.411

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:58:56	108.118%	0.006	6.883	8.361	0.000	2436.000	5476.000	5644.000
2	00:59:39	109.066%	0.027	7.822	8.289	0.000	2445.000	5506.000	5705.000
3	01:00:22	109.719%	0.006	7.656	8.033	0.000	2451.000	5527.000	5683.000
x		108.968%	0.013	7.454	8.228	0.000	2444.000	5503.000	5677.000
σ		0.805%	0.012	0.501	0.172	0.000	7.501	25.500	30.650
%RSD		0.739	92.800	6.724	2.093	0.000	0.307	0.463	0.540

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:58:56	55.520	4628.000	0.000	2849.000	15810.000	17200.000	86.687%	8.659
2	00:59:39	58.100	4617.000	0.000	2847.000	16110.000	17240.000	88.488%	7.957
3	01:00:22	55.940	4613.000	0.000	2819.000	16020.000	17270.000	89.119%	7.680
x		56.520	4619.000	0.000	2839.000	15980.000	17240.000	88.098%	8.099
σ		1.386	7.911	0.000	16.740	150.400	37.770	1.262%	0.504
%RSD		2.452	0.171	0.000	0.590	0.941	0.219	1.433	6.230

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:58:56	-1.518	7.168	336.200	419.400	429.600	3.381	0.545	7.256
2	00:59:39	-0.549	7.044	337.500	415.900	429.800	3.331	0.481	7.009
3	01:00:22	0.472	7.300	338.000	416.400	421.900	3.401	0.635	7.059
x		-0.531	7.171	337.300	417.200	427.100	3.371	0.554	7.108
σ		0.995	0.128	0.950	1.891	4.520	0.036	0.078	0.131
%RSD		187.300	1.784	0.282	0.453	1.058	1.062	14.000	1.836

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:58:56	7.342	97.660	96.420	-0.058	-6.609	-4.116	0.000	45.060
2	00:59:39	7.194	96.430	94.870	2.327	-7.262	-2.940	0.000	45.030
3	01:00:22	7.101	94.610	95.810	-0.630	-7.084	-3.980	0.000	45.690
x		7.212	96.230	95.700	0.546	-6.985	-3.679	0.000	45.260
σ		0.122	1.534	0.781	1.568	0.338	0.643	0.000	0.373
%RSD		1.688	1.594	0.816	287.000	4.836	17.490	0.000	0.823

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:58:56	93.212%	0.347	0.217	78.651%	-0.002	-0.005	0.150	0.162
2	00:59:39	95.341%	0.263	0.364	79.788%	0.006	0.006	0.106	0.095
3	01:00:22	95.454%	0.272	0.305	80.530%	-0.004	-0.004	0.135	0.187
x		94.669%	0.294	0.295	79.656%	-0.000	-0.001	0.130	0.148
σ		1.263%	0.046	0.074	0.946%	0.005	0.006	0.023	0.048
%RSD		1.334	15.660	25.150	1.188	1947.000	798.400	17.330	32.300

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:58:56	86.913%	2.248	0.193	0.200	20.490	20.900	95.746%	96.277%
2	00:59:39	88.460%	2.479	0.203	0.190	20.430	21.380	98.731%	98.887%
3	01:00:22	88.710%	2.171	0.212	0.198	20.430	21.360	98.716%	98.719%
x		88.028%	2.299	0.202	0.196	20.450	21.210	97.731%	97.961%
σ		0.973%	0.160	0.010	0.005	0.034	0.275	1.719%	1.461%
%RSD		1.106	6.964	4.762	2.794	0.168	1.295	1.759	1.491

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:58:56	0.037	0.045	0.247	0.246	0.244	99.612%
2	00:59:39	0.037	0.054	0.231	0.247	0.223	101.421%
3	01:00:22	0.040	0.048	0.240	0.235	0.211	101.956%
x		0.038	0.049	0.239	0.243	0.226	100.996%
σ		0.002	0.005	0.008	0.006	0.017	1.228%
%RSD		4.664	10.330	3.313	2.566	7.406	1.216

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:03:15	108.673%	0.027	9.346	10.630	0.000	2479.000	5477.000	5652.000
2	01:03:58	109.662%	-0.015	8.245	10.190	0.000	2511.000	5548.000	5735.000
3	01:04:41	109.465%	0.048	9.371	9.432	0.000	2498.000	5564.000	5712.000
x		109.266%	0.020	8.987	10.080	0.000	2496.000	5530.000	5700.000
σ		0.524%	0.032	0.643	0.607	0.000	15.900	46.560	42.910
%RSD		0.479	159.900	7.154	6.023	0.000	0.637	0.842	0.753

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:03:15	56.870	4635.000	0.000	2774.000	16270.000	17260.000	86.953%	8.330
2	01:03:58	56.290	4645.000	0.000	2771.000	16560.000	17410.000	87.357%	8.699
3	01:04:41	55.680	4621.000	0.000	2744.000	16720.000	17350.000	88.568%	7.246
x		56.280	4634.000	0.000	2763.000	16520.000	17340.000	87.626%	8.091
σ		0.596	11.870	0.000	16.280	229.000	76.500	0.840%	0.755
%RSD		1.059	0.256	0.000	0.589	1.387	0.441	0.959	9.331

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:03:15	1.897	6.854	342.700	431.900	452.000	3.234	0.391	6.876
2	01:03:58	2.227	7.517	344.100	427.900	448.200	3.281	0.586	7.077
3	01:04:41	3.731	7.155	342.000	424.400	441.300	3.330	0.519	7.235
x		2.618	7.175	342.900	428.100	447.200	3.282	0.499	7.062
σ		0.978	0.332	1.032	3.788	5.410	0.048	0.099	0.180
%RSD		37.330	4.627	0.301	0.885	1.210	1.462	19.810	2.547

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:03:15	7.325	97.440	93.760	1.743	-6.726	-4.324	0.000	45.180
2	01:03:58	7.026	97.140	95.060	1.197	-6.800	-5.115	0.000	45.220
3	01:04:41	6.464	96.340	96.530	0.130	-6.741	-3.332	0.000	45.620
x		6.938	96.970	95.120	1.023	-6.756	-4.257	0.000	45.340
σ		0.438	0.568	1.384	0.821	0.039	0.894	0.000	0.240
%RSD		6.305	0.586	1.455	80.200	0.583	20.990	0.000	0.529

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:03:15	93.499%	0.384	0.318	78.069%	-0.004	-0.002	0.235	0.191
2	01:03:58	95.064%	0.260	0.395	79.197%	-0.007	-0.005	0.166	0.199
3	01:04:41	95.427%	0.311	0.332	78.983%	-0.001	-0.002	0.179	0.158
x		94.664%	0.318	0.348	78.750%	-0.004	-0.003	0.193	0.183
σ		1.025%	0.063	0.041	0.599%	0.003	0.002	0.037	0.022
%RSD		1.082	19.700	11.850	0.761	82.520	67.000	18.980	11.950

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:03:15	86.877%	2.026	0.197	0.209	20.030	21.010	96.238%	96.400%
2	01:03:58	87.211%	2.319	0.201	0.211	20.320	21.560	97.623%	97.581%
3	01:04:41	88.019%	2.293	0.217	0.164	21.460	21.390	98.346%	98.361%
x		87.369%	2.213	0.205	0.195	20.600	21.320	97.402%	97.448%
σ		0.587%	0.163	0.010	0.027	0.754	0.280	1.071%	0.987%
%RSD		0.672	7.348	5.024	13.640	3.662	1.314	1.100	1.013

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:03:15	0.034	0.051	0.222	0.221	0.219	98.982%
2	01:03:58	0.049	0.063	0.186	0.208	0.213	99.465%
3	01:04:41	0.049	0.044	0.232	0.203	0.202	100.502%
x		0.044	0.053	0.213	0.211	0.211	99.650%
σ		0.009	0.009	0.024	0.009	0.009	0.776%
%RSD		19.630	18.020	11.130	4.323	4.126	0.779

180-14672-B-79-A 10/10/2012 1:06:52 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:07:35	107.013%	0.006	9.157	9.403	0.000	2581.000	5720.000	5926.000
2	01:08:18	110.109%	-0.015	8.316	8.869	0.000	2577.000	5693.000	5906.000
3	01:09:01	109.789%	-0.015	10.020	9.976	0.000	2587.000	5755.000	6005.000
x		108.971%	-0.008	9.163	9.416	0.000	2582.000	5723.000	5946.000
σ		1.703%	0.012	0.850	0.554	0.000	4.774	31.140	52.540
%RSD		1.562	157.700	9.277	5.881	0.000	0.185	0.544	0.884

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:07:35	56.420	4793.000	0.000	2848.000	16660.000	17740.000	85.760%	8.218
2	01:08:18	58.430	4684.000	0.000	2767.000	17080.000	17930.000	88.014%	8.153
3	01:09:01	56.420	4817.000	0.000	2853.000	17250.000	18050.000	88.717%	8.487
x		57.090	4765.000	0.000	2823.000	17000.000	17900.000	87.497%	8.286
σ		1.157	70.910	0.000	48.180	304.200	155.200	1.545%	0.177
%RSD		2.026	1.488	0.000	1.707	1.789	0.867	1.765	2.138

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:07:35	0.681	7.512	360.700	444.700	463.900	3.278	0.778	7.242
2	01:08:18	0.704	7.424	357.800	435.400	445.000	3.281	0.644	7.096
3	01:09:01	0.982	7.644	357.200	437.500	451.300	3.185	0.150	7.212
x		0.789	7.527	358.600	439.200	453.400	3.248	0.524	7.183
σ		0.167	0.111	1.865	4.866	9.638	0.055	0.331	0.077
%RSD		21.200	1.472	0.520	1.108	2.126	1.683	63.140	1.076

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:07:35	7.291	100.000	98.710	-1.225	-7.101	-3.500	0.000	46.770
2	01:08:18	7.200	98.010	97.730	2.012	-7.282	-3.735	0.000	47.230
3	01:09:01	6.584	99.290	98.320	1.958	-6.633	-5.519	0.000	46.840
x		7.025	99.110	98.250	0.915	-7.005	-4.252	0.000	46.950
σ		0.385	1.032	0.497	1.854	0.335	1.104	0.000	0.248
%RSD		5.477	1.042	0.506	202.600	4.780	25.970	0.000	0.528

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:07:35	92.790%	0.361	0.269	77.371%	-0.004	0.000	0.212	0.168
2	01:08:18	94.219%	0.292	0.249	79.385%	-0.001	-0.002	0.063	0.150
3	01:09:01	96.595%	0.250	0.241	80.473%	-0.006	-0.002	0.108	0.141
x		94.535%	0.301	0.253	79.077%	-0.003	-0.001	0.128	0.153
σ		1.922%	0.056	0.014	1.574%	0.002	0.001	0.077	0.014
%RSD		2.033	18.700	5.519	1.990	72.610	88.350	59.960	9.150

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:07:35	86.533%	1.957	0.180	0.189	21.660	21.770	95.641%	96.121%
2	01:08:18	88.362%	2.166	0.193	0.178	20.700	21.530	98.330%	98.453%
3	01:09:01	89.547%	2.005	0.229	0.147	21.220	21.270	98.770%	99.816%
x		88.148%	2.043	0.201	0.171	21.200	21.520	97.580%	98.130%
σ		1.519%	0.110	0.025	0.022	0.481	0.251	1.694%	1.868%
%RSD		1.723	5.367	12.520	12.610	2.268	1.166	1.736	1.904

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:07:35	0.038	0.037	0.247	0.299	0.251	99.186%
2	01:08:18	0.035	0.049	0.184	0.234	0.194	101.276%
3	01:09:01	0.036	0.051	0.247	0.193	0.213	102.339%
x		0.036	0.046	0.226	0.242	0.219	100.934%
σ		0.002	0.008	0.037	0.053	0.029	1.604%
%RSD		4.406	16.640	16.270	22.080	13.250	1.589

180-14672-B-80-A 10/10/2012 1:11:12 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:11:55	108.627%	0.006	7.080	8.225	0.000	2537.000	5691.000	5870.000
2	01:12:38	108.979%	0.027	5.919	6.962	0.000	2544.000	5737.000	5939.000
3	01:13:21	111.450%	0.026	6.557	7.248	0.000	2511.000	5704.000	5882.000
x		109.685%	0.020	6.519	7.479	0.000	2531.000	5711.000	5897.000
σ		1.538%	0.012	0.582	0.662	0.000	17.160	23.690	37.190
%RSD		1.402	59.850	8.921	8.854	0.000	0.678	0.415	0.631

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:11:55	50.530	4670.000	0.000	2748.000	17230.000	17870.000	86.583%	8.857
2	01:12:38	49.750	4702.000	0.000	2772.000	16950.000	18110.000	86.992%	8.209
3	01:13:21	49.970	4681.000	0.000	2759.000	16630.000	18110.000	87.715%	8.366
x		50.080	4684.000	0.000	2760.000	16930.000	18030.000	87.097%	8.477
σ		0.405	16.160	0.000	12.140	300.000	140.200	0.574%	0.338
%RSD		0.809	0.345	0.000	0.440	1.771	0.778	0.659	3.991

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:11:55	2.659	6.901	361.700	427.600	445.300	2.841	0.381	6.644
2	01:12:38	1.631	7.437	362.800	430.100	458.100	2.767	0.357	6.830
3	01:13:21	2.283	7.216	362.200	430.000	444.800	2.693	0.416	6.538
x		2.191	7.185	362.200	429.200	449.400	2.767	0.385	6.671
σ		0.520	0.269	0.531	1.402	7.563	0.074	0.030	0.148
%RSD		23.750	3.750	0.147	0.327	1.683	2.671	7.746	2.215

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:11:55	6.480	98.770	99.620	1.213	-6.712	-4.523	0.000	46.620
2	01:12:38	6.500	100.700	97.750	2.580	-6.975	-2.997	0.000	47.390
3	01:13:21	6.796	100.700	97.960	5.414	-7.076	-2.544	0.000	46.910
x		6.592	100.100	98.440	3.069	-6.921	-3.355	0.000	46.980
σ		0.177	1.122	1.022	2.143	0.188	1.037	0.000	0.386
%RSD		2.687	1.121	1.038	69.820	2.711	30.910	0.000	0.822

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:11:55	93.523%	0.207	0.285	78.067%	0.003	-0.002	0.098	0.132
2	01:12:38	94.475%	0.365	0.344	78.623%	-0.001	-0.007	0.189	0.174
3	01:13:21	94.711%	0.339	0.318	78.435%	0.009	0.010	0.116	0.169
x		94.236%	0.304	0.316	78.375%	0.004	0.000	0.134	0.158
σ		0.629%	0.085	0.029	0.283%	0.005	0.008	0.048	0.023
%RSD		0.667	28.010	9.259	0.361	132.900	2005.000	36.080	14.610

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:11:55	87.162%	1.967	0.135	0.123	21.290	21.110	96.246%	96.033%
2	01:12:38	86.997%	2.032	0.112	0.148	21.590	21.820	96.803%	97.324%
3	01:13:21	88.779%	1.910	0.177	0.141	21.050	20.920	97.549%	98.385%
x		87.646%	1.970	0.141	0.137	21.310	21.280	96.866%	97.247%
σ		0.985%	0.061	0.033	0.013	0.270	0.475	0.654%	1.178%
%RSD		1.124	3.075	23.280	9.419	1.268	2.230	0.675	1.211

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:11:55	0.044	0.048	0.195	0.217	0.191	99.285%
2	01:12:38	0.041	0.046	0.194	0.196	0.174	100.454%
3	01:13:21	0.022	0.048	0.176	0.159	0.171	100.481%
x		0.036	0.047	0.188	0.190	0.179	100.073%
σ		0.012	0.001	0.011	0.029	0.011	0.683%
%RSD		32.570	2.728	5.681	15.430	6.104	0.682

CCV 586960 10/10/2012 1:18:29 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:19:12	80.322%	88.610	95.970	97.190	0.000	46290.000	54700.000	55770.000
2	01:19:55	79.295%	92.590	91.090	98.480	0.000	47290.000	55030.000	57090.000
3	01:20:38	80.578%	89.390	96.550	103.100	0.000	47110.000	54940.000	57080.000
x		80.065%	90.197%	94.540%	99.587%	0.000	93.796%	109.787%	113.299%
σ		0.679%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.848	2.338	3.172	3.121	0.000	1.147	0.311	1.339

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:19:12	532.400	5027.000	0.000	48860.000	47470.000	48610.000	71.707%	101.300
2	01:19:55	537.800	5076.000	0.000	49450.000	48090.000	49180.000	71.736%	98.810
3	01:20:38	534.900	5072.000	0.000	49610.000	48530.000	49180.000	72.077%	105.500
x		107.005%	101.170%	0.000	98.613%	96.062%	97.982%	71.840%	101.876%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.206%	n/a
%RSD		0.503	0.546	0.000	0.797	1.114	0.668	0.286	3.300

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:19:12	99.740	100.600	529.500	27380.000	25570.000	95.080	91.510	93.220
2	01:19:55	100.400	101.400	537.000	27750.000	25760.000	96.010	93.040	92.710
3	01:20:38	99.400	100.900	538.100	27790.000	26000.000	96.200	93.080	92.660
x		99.832%	100.949%	106.976%	110.567%	103.120%	95.766%	92.545%	92.860%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.490	0.408	0.875	0.813	0.836	0.624	0.968	0.336

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:19:12	92.120	101.700	98.100	99.220	94.470	103.600	0.000	105.100
2	01:19:55	92.170	102.100	100.400	102.000	97.270	109.400	0.000	107.500
3	01:20:38	93.160	101.000	101.200	101.900	92.590	108.000	0.000	107.000
x		92.482%	101.590%	99.928%	101.046%	94.776%	107.016%	0.000	106.525%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.639	0.506	1.631	1.568	2.485	2.811	0.000	1.173

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:19:12	71.452%	99.710	99.030	70.716%	97.700	97.720	100.800	99.750
2	01:19:55	71.662%	103.100	102.500	71.086%	99.440	97.490	101.800	98.990
3	01:20:38	72.672%	105.700	105.700	71.235%	99.750	98.360	102.400	99.570
x		71.929%	102.828%	102.422%	71.012%	98.966%	97.857%	101.665%	99.439%
σ		0.652%	n/a	n/a	0.267%	n/a	n/a	n/a	n/a
%RSD		0.906	2.908	3.254	0.376	1.118	0.457	0.812	0.400

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:19:12	75.790%	100.300	101.800	103.000	97.820	98.780	83.888%	84.372%
2	01:19:55	76.217%	100.500	103.700	103.800	97.550	99.890	85.144%	85.869%
3	01:20:38	77.232%	100.800	102.600	103.800	98.640	98.750	85.856%	86.291%
x		76.413%	100.554%	102.707%	103.534%	98.002%	99.140%	84.963%	85.511%
σ		0.740%	n/a	n/a	n/a	n/a	n/a	0.997%	1.008%
%RSD		0.969	0.241	0.911	0.452	0.583	0.655	1.173	1.179

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:19:12	93.890	95.580	95.400	95.590	95.530	89.118%
2	01:19:55	95.430	96.720	97.200	97.580	96.990	88.942%
3	01:20:38	96.890	97.690	97.060	98.370	97.330	89.002%
x		95.406%	96.663%	96.553%	97.178%	96.617%	89.021%
σ		n/a	n/a	n/a	n/a	n/a	0.089%
%RSD		1.570	1.090	1.039	1.472	0.989	0.100

CCB9 10/10/2012 1:25:47 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:26:30	102.553%	0.007	1.507	0.500	0.000	32.570	11.790	10.690
2	01:27:13	104.420%	-0.015	1.349	0.815	0.000	40.860	18.600	17.590
3	01:27:56	104.902%	0.007	0.288	0.266	0.000	34.130	15.000	16.780
x		103.959%	-0.000	1.048	0.527	0.000	35.850	15.130	15.020
σ		1.241%	0.013	0.663	0.275	0.000	4.404	3.408	3.769
%RSD		1.194	4171.000	63.280	52.260	0.000	12.280	22.530	25.090

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:26:30	0.994	-1.121	0.000	-27.130	-0.772	10.190	86.904%	-0.198
2	01:27:13	1.738	0.119	0.000	-18.080	13.560	26.770	87.768%	-0.012
3	01:27:56	1.523	-0.461	0.000	-19.730	43.060	21.980	86.715%	0.106
x		1.418	-0.487	0.000	-21.650	18.610	19.650	87.129%	-0.035
σ		0.383	0.620	0.000	4.823	22.350	8.531	0.562%	0.153
%RSD		27.010	127.200	0.000	22.280	120.100	43.420	0.645	440.200

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:26:30	0.154	-0.008	0.262	15.670	20.530	0.028	-0.899	-0.010
2	01:27:13	0.080	0.043	0.441	13.570	16.940	0.038	-0.803	-0.004
3	01:27:56	0.092	0.012	0.382	11.390	17.540	0.020	-0.814	-0.057
x		0.109	0.016	0.362	13.540	18.340	0.029	-0.839	-0.024
σ		0.040	0.026	0.091	2.139	1.921	0.009	0.053	0.029
%RSD		36.410	164.000	25.180	15.800	10.480	31.540	6.297	121.600

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:26:30	-0.029	-0.214	-0.220	-0.682	-4.216	-2.807	0.000	0.094
2	01:27:13	-0.013	-0.291	-0.200	0.090	-4.484	-1.704	0.000	0.122
3	01:27:56	-0.081	-0.119	-0.086	-0.549	-3.801	-2.152	0.000	0.136
x		-0.041	-0.208	-0.169	-0.380	-4.167	-2.221	0.000	0.117
σ		0.036	0.086	0.072	0.413	0.344	0.555	0.000	0.021
%RSD		86.360	41.240	42.790	108.500	8.261	24.980	0.000	18.180

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:26:30	85.385%	0.696	0.537	76.820%	0.010	0.023	-0.018	0.004
2	01:27:13	86.998%	0.494	0.553	77.669%	0.030	0.042	0.043	0.052
3	01:27:56	86.019%	0.425	0.480	77.956%	0.011	0.031	0.140	0.111
x		86.134%	0.538	0.523	77.482%	0.017	0.032	0.055	0.056
σ		0.812%	0.140	0.038	0.591%	0.011	0.009	0.080	0.053
%RSD		0.943	26.090	7.268	0.763	64.320	28.750	146.100	95.850

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:26:30	79.165%	-0.010	0.072	0.085	0.076	0.093	86.699%	87.433%
2	01:27:13	80.974%	-0.007	0.090	0.078	0.158	0.043	87.811%	89.391%
3	01:27:56	80.835%	-0.042	0.076	0.097	0.105	0.078	87.939%	88.143%
x		80.325%	-0.020	0.079	0.087	0.113	0.071	87.483%	88.322%
σ		1.007%	0.019	0.009	0.009	0.041	0.026	0.682%	0.991%
%RSD		1.254	97.390	11.550	10.540	36.740	36.190	0.779	1.122

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:26:30	0.030	0.061	0.105	0.113	0.116	93.115%
2	01:27:13	0.049	0.053	0.058	0.080	0.076	94.687%
3	01:27:56	0.030	0.053	0.049	0.051	0.048	94.104%
x		0.036	0.056	0.071	0.081	0.080	93.969%
σ		0.011	0.005	0.030	0.031	0.034	0.795%
%RSD		30.100	8.398	42.550	37.790	42.640	0.846

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:30:52	108.421%	0.028	7.363	7.230	0.000	2606.000	5740.000	5961.000
2	01:31:34	113.849%	0.066	9.174	7.738	0.000	2591.000	5786.000	5996.000
3	01:32:17	112.901%	0.005	5.593	7.133	0.000	2649.000	5926.000	6129.000
x		111.724%	0.033	7.377	7.367	0.000	2615.000	5817.000	6029.000
σ		2.899%	0.031	1.791	0.325	0.000	29.820	96.650	88.810
%RSD		2.595	93.120	24.270	4.413	0.000	1.140	1.661	1.473

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:30:52	46.830	4791.000	0.000	2812.000	17950.000	18650.000	83.191%	7.340
2	01:31:34	48.840	4729.000	0.000	2785.000	17850.000	18760.000	85.855%	7.789
3	01:32:17	49.070	4806.000	0.000	2790.000	17470.000	18770.000	87.926%	8.907
x		48.250	4775.000	0.000	2795.000	17760.000	18730.000	85.658%	8.012
σ		1.232	40.820	0.000	14.340	251.700	67.120	2.374%	0.807
%RSD		2.554	0.855	0.000	0.513	1.417	0.358	2.771	10.070

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:30:52	1.875	6.274	384.400	437.700	460.500	2.887	0.338	6.874
2	01:31:34	6.066	6.925	379.900	429.300	462.000	2.803	0.237	6.766
3	01:32:17	2.026	6.976	380.900	424.600	453.800	2.895	0.558	6.899
x		3.322	6.725	381.800	430.500	458.700	2.862	0.378	6.846
σ		2.378	0.391	2.314	6.647	4.385	0.051	0.164	0.071
%RSD		71.560	5.816	0.606	1.544	0.956	1.780	43.470	1.033

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:30:52	6.727	101.300	102.800	-0.113	-6.277	-3.384	0.000	48.690
2	01:31:34	6.922	100.000	101.100	0.690	-6.551	-3.226	0.000	48.700
3	01:32:17	6.675	99.690	100.800	0.794	-6.601	-1.776	0.000	49.020
x		6.774	100.300	101.600	0.457	-6.476	-2.795	0.000	48.800
σ		0.130	0.864	1.078	0.496	0.175	0.887	0.000	0.185
%RSD		1.925	0.862	1.061	108.500	2.695	31.720	0.000	0.379

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:30:52	89.092%	0.740	0.846	75.268%	0.009	0.004	0.182	0.105
2	01:31:34	92.544%	0.605	0.725	77.392%	-0.002	-0.003	0.040	0.074
3	01:32:17	94.408%	0.479	0.625	78.761%	0.011	-0.005	0.173	0.175
x		92.015%	0.608	0.732	77.140%	0.006	-0.001	0.132	0.118
σ		2.697%	0.131	0.111	1.760%	0.007	0.005	0.079	0.052
%RSD		2.931	21.520	15.140	2.282	120.000	316.800	60.160	43.780

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:30:52	82.454%	2.959	0.328	0.333	21.610	20.590	92.486%	92.545%
2	01:31:34	86.063%	2.501	0.292	0.279	21.640	21.700	94.434%	95.291%
3	01:32:17	87.212%	2.579	0.193	0.272	21.810	22.390	97.281%	97.571%
x		85.243%	2.680	0.271	0.294	21.690	21.560	94.734%	95.136%
σ		2.482%	0.245	0.070	0.033	0.112	0.908	2.412%	2.516%
%RSD		2.912	9.147	25.810	11.310	0.516	4.213	2.546	2.645

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:30:52	0.226	0.256	0.219	0.242	0.219	95.209%
2	01:31:34	0.160	0.174	0.191	0.191	0.189	98.896%
3	01:32:17	0.118	0.120	0.199	0.204	0.192	100.031%
x		0.168	0.183	0.203	0.212	0.200	98.045%
σ		0.054	0.069	0.014	0.026	0.017	2.521%
%RSD		32.110	37.550	7.087	12.410	8.347	2.571

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:35:13	110.823%	0.006	8.399	8.920	0.000	2698.000	5975.000	6232.000
2	01:35:55	113.276%	0.005	7.318	7.295	0.000	2680.000	6052.000	6285.000
3	01:36:39	115.928%	0.025	6.180	6.672	0.000	2692.000	6079.000	6268.000
x		113.342%	0.012	7.299	7.629	0.000	2690.000	6035.000	6262.000
σ		2.553%	0.011	1.110	1.161	0.000	9.157	53.750	27.080
%RSD		2.252	92.870	15.200	15.220	0.000	0.340	0.891	0.432

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:35:13	48.600	4915.000	0.000	2711.000	18290.000	19170.000	86.327%	8.203
2	01:35:55	47.800	4844.000	0.000	2734.000	17970.000	19330.000	88.568%	7.061
3	01:36:39	46.690	4874.000	0.000	2735.000	18460.000	19420.000	89.564%	9.799
x		47.700	4878.000	0.000	2727.000	18240.000	19310.000	88.153%	8.354
σ		0.957	35.670	0.000	13.740	251.000	125.700	1.658%	1.376
%RSD		2.006	0.731	0.000	0.504	1.376	0.651	1.880	16.470

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:35:13	3.190	6.659	397.400	436.900	465.200	3.013	0.686	6.480
2	01:35:55	5.289	6.581	393.500	431.100	455.300	3.194	0.612	6.282
3	01:36:39	1.656	6.717	396.600	431.500	436.900	3.195	0.409	6.198
x		3.378	6.653	395.800	433.200	452.500	3.134	0.569	6.320
σ		1.824	0.068	2.042	3.264	14.400	0.105	0.144	0.145
%RSD		53.990	1.026	0.516	0.754	3.183	3.337	25.250	2.294

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:35:13	6.420	98.730	95.750	2.242	-6.738	-4.714	0.000	50.640
2	01:35:55	6.594	97.840	96.800	0.736	-7.324	-4.762	0.000	49.650
3	01:36:39	6.205	97.500	98.210	4.404	-6.721	-3.926	0.000	49.910
x		6.406	98.020	96.920	2.461	-6.928	-4.467	0.000	50.070
σ		0.195	0.630	1.239	1.844	0.343	0.470	0.000	0.513
%RSD		3.039	0.643	1.278	74.940	4.951	10.510	0.000	1.024

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:35:13	92.612%	0.408	0.394	77.762%	0.001	-0.000	0.112	0.147
2	01:35:55	95.514%	0.361	0.365	79.566%	-0.004	-0.000	0.136	0.062
3	01:36:39	96.691%	0.306	0.330	80.295%	0.010	-0.005	0.092	0.119
x		94.939%	0.358	0.363	79.208%	0.002	-0.002	0.113	0.109
σ		2.099%	0.051	0.032	1.304%	0.007	0.003	0.022	0.043
%RSD		2.211	14.300	8.949	1.646	295.000	162.900	19.580	39.460

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:35:13	86.737%	1.822	0.167	0.201	21.250	22.430	95.854%	96.304%
2	01:35:55	87.987%	1.993	0.143	0.226	22.000	22.090	97.932%	97.208%
3	01:36:39	89.388%	1.882	0.170	0.204	22.290	22.430	99.897%	99.615%
x		88.037%	1.899	0.160	0.210	21.850	22.320	97.894%	97.709%
σ		1.326%	0.087	0.015	0.014	0.536	0.198	2.022%	1.711%
%RSD		1.506	4.563	9.347	6.585	2.453	0.888	2.065	1.751

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:35:13	0.084	0.076	0.227	0.238	0.224	97.290%
2	01:35:55	0.067	0.088	0.192	0.186	0.176	101.579%
3	01:36:39	0.051	0.068	0.162	0.188	0.183	101.166%
x		0.067	0.077	0.194	0.204	0.194	100.012%
σ		0.016	0.010	0.033	0.029	0.026	2.366%
%RSD		24.060	13.050	16.970	14.450	13.490	2.366

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:39:34	110.466%	0.027	7.304	7.530	0.000	2686.000	6089.000	6246.000
2	01:40:16	113.821%	0.046	7.075	7.902	0.000	2650.000	6009.000	6218.000
3	01:40:59	114.309%	0.005	6.715	7.310	0.000	2673.000	6071.000	6250.000
x		112.866%	0.026	7.031	7.580	0.000	2670.000	6056.000	6238.000
σ		2.092%	0.020	0.297	0.299	0.000	18.230	41.980	17.030
%RSD		1.854	78.530	4.223	3.947	0.000	0.683	0.693	0.273

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:39:34	42.620	4849.000	0.000	2654.000	18300.000	19300.000	86.287%	6.497
2	01:40:16	41.050	4795.000	0.000	2616.000	18310.000	19190.000	87.826%	7.427
3	01:40:59	41.520	4807.000	0.000	2643.000	18460.000	19350.000	88.233%	8.058
x		41.730	4817.000	0.000	2638.000	18360.000	19280.000	87.448%	7.327
σ		0.809	28.650	0.000	19.280	93.690	82.480	1.026%	0.785
%RSD		1.938	0.595	0.000	0.731	0.510	0.428	1.174	10.720

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:39:34	-0.849	7.100	387.900	393.500	422.200	2.275	0.245	5.866
2	01:40:16	-1.820	7.294	386.100	389.600	415.200	2.160	0.424	5.719
3	01:40:59	5.045	7.434	385.400	391.100	408.200	2.296	0.455	5.898
x		0.792	7.276	386.500	391.400	415.200	2.244	0.375	5.828
σ		3.715	0.168	1.312	1.937	7.017	0.073	0.113	0.096
%RSD		469.100	2.303	0.340	0.495	1.690	3.257	30.160	1.642

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:39:34	5.710	92.440	90.790	1.476	-6.653	-3.023	0.000	50.820
2	01:40:16	6.056	89.570	91.750	3.300	-6.321	-2.995	0.000	50.920
3	01:40:59	6.045	91.070	87.300	-2.374	-6.819	-1.024	0.000	50.820
x		5.937	91.030	89.950	0.801	-6.598	-2.347	0.000	50.850
σ		0.197	1.434	2.340	2.897	0.253	1.146	0.000	0.062
%RSD		3.316	1.576	2.602	361.700	3.840	48.830	0.000	0.123

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:39:34	92.127%	0.309	0.340	77.706%	-0.004	0.003	0.085	0.142
2	01:40:16	93.222%	0.357	0.307	78.641%	0.001	-0.005	0.252	0.186
3	01:40:59	94.490%	0.344	0.356	78.849%	0.003	0.006	0.147	0.139
x		93.280%	0.337	0.334	78.398%	-0.000	0.002	0.162	0.155
σ		1.182%	0.025	0.025	0.609%	0.003	0.006	0.085	0.026
%RSD		1.267	7.374	7.500	0.776	3706.000	375.800	52.320	16.920

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:39:34	86.147%	1.769	0.217	0.295	21.630	21.480	95.538%	95.710%
2	01:40:16	87.799%	1.661	0.262	0.279	20.530	22.110	96.996%	97.615%
3	01:40:59	87.375%	1.793	0.267	0.250	21.080	21.640	97.813%	97.916%
x		87.107%	1.741	0.249	0.275	21.080	21.740	96.782%	97.080%
σ		0.858%	0.070	0.027	0.022	0.553	0.328	1.152%	1.196%
%RSD		0.985	4.035	10.970	8.176	2.622	1.508	1.191	1.232

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:39:34	0.079	0.056	0.198	0.174	0.184	98.577%
2	01:40:16	0.065	0.060	0.180	0.159	0.157	100.170%
3	01:40:59	0.051	0.052	0.148	0.138	0.153	100.675%
x		0.065	0.056	0.175	0.157	0.164	99.808%
σ		0.014	0.004	0.025	0.018	0.017	1.095%
%RSD		21.610	7.021	14.500	11.360	10.170	1.097

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:43:55	113.695%	-0.015	7.865	7.496	0.000	2752.000	6259.000	6507.000
2	01:44:38	113.061%	0.026	6.023	7.730	0.000	2783.000	6341.000	6525.000
3	01:45:21	113.278%	0.026	6.549	6.296	0.000	2798.000	6345.000	6558.000
x		113.345%	0.012	6.812	7.174	0.000	2778.000	6315.000	6530.000
σ		0.322%	0.024	0.949	0.769	0.000	23.590	48.970	25.950
%RSD		0.284	193.900	13.930	10.720	0.000	0.849	0.775	0.397

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:43:55	39.980	4920.000	0.000	2712.000	19710.000	20290.000	86.418%	7.167
2	01:44:38	41.590	5009.000	0.000	2702.000	19200.000	20320.000	87.996%	8.267
3	01:45:21	40.640	5022.000	0.000	2702.000	18910.000	20410.000	88.914%	8.808
x		40.730	4983.000	0.000	2706.000	19280.000	20340.000	87.776%	8.081
σ		0.807	55.740	0.000	5.956	404.600	63.900	1.263%	0.836
%RSD		1.982	1.119	0.000	0.220	2.099	0.314	1.439	10.350

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:43:55	4.316	6.869	393.800	408.700	422.200	2.897	0.111	5.800
2	01:44:38	1.809	7.221	393.400	406.300	429.900	3.209	0.439	5.979
3	01:45:21	6.845	6.759	393.300	406.700	421.300	3.158	0.492	6.075
x		4.323	6.950	393.500	407.200	424.500	3.088	0.347	5.951
σ		2.518	0.241	0.273	1.309	4.711	0.168	0.206	0.139
%RSD		58.240	3.474	0.069	0.321	1.110	5.429	59.340	2.343

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:43:55	6.080	88.300	87.850	2.300	-7.313	-3.653	0.000	53.190
2	01:44:38	5.903	87.160	89.390	1.361	-6.919	-3.712	0.000	53.760
3	01:45:21	5.866	90.390	90.430	1.065	-6.757	-3.440	0.000	53.100
x		5.950	88.620	89.220	1.576	-6.996	-3.602	0.000	53.350
σ		0.115	1.641	1.299	0.645	0.286	0.143	0.000	0.362
%RSD		1.928	1.852	1.456	40.920	4.089	3.970	0.000	0.679

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:43:55	93.284%	0.317	0.312	77.948%	-0.007	-0.005	0.117	0.174
2	01:44:38	94.059%	0.365	0.314	79.056%	-0.010	-0.005	0.180	0.212
3	01:45:21	94.758%	0.244	0.328	79.459%	-0.004	0.003	0.245	0.200
x		94.034%	0.309	0.318	78.821%	-0.007	-0.002	0.181	0.196
σ		0.737%	0.061	0.009	0.782%	0.003	0.005	0.064	0.020
%RSD		0.784	19.710	2.750	0.992	44.640	197.000	35.320	10.020

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:43:55	86.566%	1.732	0.187	0.165	22.030	21.970	96.267%	95.816%
2	01:44:38	89.160%	1.725	0.149	0.176	21.240	21.020	98.103%	98.189%
3	01:45:21	88.816%	1.633	0.183	0.191	21.260	22.460	98.476%	99.367%
x		88.181%	1.697	0.173	0.178	21.510	21.820	97.615%	97.791%
σ		1.409%	0.055	0.021	0.013	0.448	0.734	1.182%	1.809%
%RSD		1.598	3.241	12.110	7.292	2.082	3.362	1.211	1.850

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:43:55	0.044	0.053	0.196	0.199	0.189	99.948%
2	01:44:38	0.038	0.046	0.189	0.188	0.179	101.849%
3	01:45:21	0.032	0.041	0.186	0.189	0.178	102.652%
x		0.038	0.046	0.190	0.192	0.182	101.483%
σ		0.006	0.006	0.005	0.006	0.006	1.389%
%RSD		16.350	12.780	2.886	3.124	3.355	1.368

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:48:17	112.249%	0.006	7.075	6.356	0.000	2826.000	6466.000	6671.000
2	01:49:00	115.523%	0.025	6.981	7.612	0.000	2803.000	6479.000	6661.000
3	01:49:43	116.140%	0.005	5.759	6.876	0.000	2813.000	6453.000	6677.000
x		114.637%	0.012	6.605	6.948	0.000	2814.000	6466.000	6670.000
σ		2.091%	0.011	0.734	0.631	0.000	11.880	12.980	8.113
%RSD		1.824	96.860	11.110	9.085	0.000	0.422	0.201	0.122

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:48:17	39.330	5114.000	0.000	2700.000	20170.000	20790.000	86.701%	6.728
2	01:49:00	38.870	5096.000	0.000	2700.000	19650.000	21090.000	87.154%	7.481
3	01:49:43	37.550	5089.000	0.000	2706.000	19730.000	21000.000	87.691%	8.070
x		38.580	5099.000	0.000	2702.000	19850.000	20960.000	87.182%	7.426
σ		0.923	12.740	0.000	3.733	282.200	149.400	0.496%	0.673
%RSD		2.392	0.250	0.000	0.138	1.422	0.713	0.568	9.061

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:48:17	3.880	7.414	382.900	398.400	413.100	2.924	0.273	5.840
2	01:49:00	1.017	7.736	387.100	399.200	424.100	2.944	0.252	5.699
3	01:49:43	1.126	7.330	386.200	398.400	424.700	2.865	0.287	5.681
x		2.007	7.493	385.400	398.600	420.600	2.911	0.271	5.740
σ		1.622	0.214	2.170	0.479	6.533	0.041	0.018	0.087
%RSD		80.830	2.859	0.563	0.120	1.553	1.420	6.675	1.515

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:48:17	5.891	85.020	83.590	1.982	-6.583	-3.279	0.000	54.460
2	01:49:00	5.964	83.600	83.760	-0.574	-7.095	-2.870	0.000	54.000
3	01:49:43	5.623	83.440	86.010	1.300	-6.370	-4.045	0.000	54.780
x		5.826	84.020	84.450	0.903	-6.683	-3.398	0.000	54.410
σ		0.180	0.869	1.355	1.323	0.373	0.596	0.000	0.395
%RSD		3.086	1.034	1.604	146.600	5.574	17.550	0.000	0.726

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:48:17	93.022%	0.367	0.272	77.105%	-0.009	0.000	0.225	0.224
2	01:49:00	93.919%	0.315	0.339	78.206%	0.003	0.002	0.192	0.125
3	01:49:43	94.236%	0.287	0.298	78.956%	0.002	-0.003	0.214	0.170
x		93.725%	0.323	0.303	78.089%	-0.001	-0.001	0.210	0.173
σ		0.630%	0.040	0.034	0.931%	0.007	0.003	0.017	0.049
%RSD		0.672	12.490	11.140	1.192	549.800	430.700	8.028	28.480

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:48:17	85.528%	1.639	0.191	0.165	21.090	22.150	96.188%	95.433%
2	01:49:00	87.613%	1.604	0.166	0.192	21.320	22.600	97.797%	97.716%
3	01:49:43	88.391%	1.785	0.160	0.170	21.490	22.830	98.162%	97.452%
x		87.177%	1.676	0.172	0.176	21.300	22.530	97.382%	96.867%
σ		1.481%	0.096	0.016	0.014	0.201	0.344	1.050%	1.249%
%RSD		1.698	5.725	9.494	8.133	0.943	1.525	1.078	1.289

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:48:17	0.031	0.060	0.181	0.176	0.194	99.172%
2	01:49:00	0.045	0.047	0.164	0.139	0.154	100.307%
3	01:49:43	0.045	0.042	0.112	0.187	0.153	100.991%
x		0.040	0.050	0.152	0.168	0.167	100.157%
σ		0.008	0.009	0.036	0.025	0.024	0.919%
%RSD		19.120	18.780	23.620	15.140	14.130	0.918

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:52:38	111.588%	0.026	7.117	7.232	0.000	2771.000	6273.000	6501.000
2	01:53:21	112.915%	0.046	5.155	6.697	0.000	2784.000	6350.000	6576.000
3	01:54:04	113.637%	0.026	5.879	6.549	0.000	2782.000	6423.000	6621.000
x		112.714%	0.033	6.051	6.826	0.000	2779.000	6349.000	6566.000
σ		1.039%	0.012	0.992	0.359	0.000	6.757	75.150	60.690
%RSD		0.922	35.880	16.400	5.260	0.000	0.243	1.184	0.924

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:52:38	35.760	5004.000	0.000	2580.000	19530.000	20500.000	86.580%	6.929
2	01:53:21	36.650	4985.000	0.000	2589.000	19230.000	20780.000	87.673%	6.726
3	01:54:04	35.780	5006.000	0.000	2596.000	19340.000	20720.000	88.409%	7.632
x		36.060	4998.000	0.000	2588.000	19360.000	20670.000	87.554%	7.096
σ		0.509	11.600	0.000	8.065	152.500	151.500	0.920%	0.475
%RSD		1.411	0.232	0.000	0.312	0.787	0.733	1.051	6.702

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:52:38	0.562	7.274	366.900	386.200	407.200	2.034	0.054	5.408
2	01:53:21	1.163	7.091	361.200	383.400	409.900	1.959	0.437	5.322
3	01:54:04	3.615	6.963	366.300	385.200	411.300	2.027	0.166	5.376
x		1.780	7.109	364.800	384.900	409.500	2.007	0.219	5.369
σ		1.617	0.156	3.138	1.437	2.120	0.041	0.197	0.043
%RSD		90.850	2.196	0.860	0.373	0.518	2.055	89.710	0.808

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:52:38	5.149	79.660	80.300	-0.252	-6.757	-3.538	0.000	53.880
2	01:53:21	5.307	80.460	79.250	0.215	-6.975	-4.020	0.000	53.620
3	01:54:04	5.283	76.720	77.940	-0.948	-7.109	-4.756	0.000	53.800
x		5.246	78.940	79.160	-0.328	-6.947	-4.105	0.000	53.770
σ		0.085	1.968	1.180	0.585	0.178	0.613	0.000	0.132
%RSD		1.627	2.493	1.490	178.400	2.557	14.930	0.000	0.245

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:52:38	92.272%	0.262	0.321	77.520%	-0.002	-0.005	0.164	0.159
2	01:53:21	93.963%	0.277	0.286	78.932%	-0.004	-0.007	0.157	0.140
3	01:54:04	94.866%	0.239	0.248	79.506%	-0.001	-0.004	0.252	0.166
x		93.700%	0.259	0.285	78.653%	-0.002	-0.005	0.191	0.155
σ		1.317%	0.019	0.036	1.022%	0.002	0.002	0.053	0.013
%RSD		1.406	7.484	12.710	1.299	68.270	31.820	27.840	8.571

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:52:38	86.525%	1.535	0.193	0.195	20.930	20.830	95.989%	94.594%
2	01:53:21	88.500%	1.609	0.204	0.206	21.310	21.380	98.189%	99.024%
3	01:54:04	89.077%	1.612	0.176	0.201	20.670	21.530	98.931%	99.759%
x		88.034%	1.585	0.191	0.201	20.970	21.240	97.703%	97.792%
σ		1.338%	0.043	0.014	0.006	0.322	0.369	1.530%	2.794%
%RSD		1.520	2.740	7.571	2.847	1.536	1.737	1.566	2.857

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:52:38	0.038	0.039	0.150	0.162	0.164	99.648%
2	01:53:21	0.034	0.044	0.127	0.187	0.151	101.719%
3	01:54:04	0.034	0.048	0.139	0.127	0.140	102.804%
x		0.035	0.044	0.139	0.159	0.152	101.390%
σ		0.002	0.004	0.012	0.030	0.012	1.604%
%RSD		5.968	10.250	8.294	18.830	8.089	1.582

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:56:57	111.413%	0.047	5.576	7.103	0.000	2739.000	6202.000	6418.000
2	01:57:40	112.420%	0.006	5.852	6.056	0.000	2735.000	6207.000	6455.000
3	01:58:23	110.924%	0.047	6.495	6.066	0.000	2788.000	6381.000	6544.000
x		111.586%	0.033	5.974	6.409	0.000	2754.000	6263.000	6473.000
σ		0.763%	0.024	0.472	0.602	0.000	29.340	101.700	64.610
%RSD		0.683	72.290	7.893	9.391	0.000	1.065	1.623	0.998

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:56:57	33.650	4887.000	0.000	2512.000	19050.000	20240.000	85.981%	6.140
2	01:57:40	33.540	4933.000	0.000	2520.000	19210.000	20320.000	86.466%	6.597
3	01:58:23	34.790	4955.000	0.000	2541.000	19860.000	20440.000	86.014%	6.821
x		33.990	4925.000	0.000	2524.000	19370.000	20330.000	86.154%	6.519
σ		0.693	34.810	0.000	14.980	427.300	99.500	0.271%	0.347
%RSD		2.037	0.707	0.000	0.593	2.206	0.489	0.314	5.321

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:56:57	1.832	7.336	358.800	406.200	415.000	2.832	0.385	5.464
2	01:57:40	2.093	7.300	362.800	408.700	418.700	2.752	0.320	5.298
3	01:58:23	1.551	7.280	362.400	407.400	445.800	2.912	0.356	5.329
x		1.825	7.305	361.400	407.400	426.500	2.832	0.353	5.364
σ		0.271	0.028	2.214	1.268	16.820	0.080	0.033	0.088
%RSD		14.860	0.385	0.613	0.311	3.944	2.826	9.299	1.641

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:56:57	5.503	80.650	79.930	-0.584	-6.952	-1.963	0.000	52.800
2	01:57:40	5.330	79.300	80.030	-2.693	-6.806	-2.904	0.000	53.340
3	01:58:23	5.686	80.800	78.720	-0.561	-6.784	-3.732	0.000	53.400
x		5.506	80.250	79.560	-1.279	-6.847	-2.866	0.000	53.180
σ		0.178	0.824	0.727	1.225	0.092	0.885	0.000	0.327
%RSD		3.228	1.027	0.913	95.710	1.337	30.890	0.000	0.614

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:56:57	91.466%	0.276	0.329	76.353%	-0.002	-0.002	0.335	0.239
2	01:57:40	92.128%	0.262	0.357	77.433%	-0.002	0.003	0.142	0.178
3	01:58:23	92.698%	0.255	0.283	78.138%	-0.004	-0.003	0.158	0.201
x		92.097%	0.264	0.323	77.308%	-0.003	-0.001	0.212	0.206
σ		0.616%	0.011	0.037	0.899%	0.001	0.003	0.107	0.031
%RSD		0.669	4.062	11.610	1.163	39.050	648.700	50.350	15.030

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:56:57	85.713%	1.394	0.154	0.157	19.830	19.950	96.050%	95.769%
2	01:57:40	87.050%	1.350	0.158	0.145	20.770	20.140	97.107%	96.674%
3	01:58:23	87.098%	1.359	0.144	0.158	21.060	20.710	97.116%	97.605%
x		86.620%	1.368	0.152	0.153	20.550	20.270	96.757%	96.683%
σ		0.786%	0.023	0.007	0.007	0.645	0.397	0.613%	0.918%
%RSD		0.908	1.697	4.456	4.428	3.139	1.956	0.634	0.950

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:56:57	0.033	0.038	0.171	0.161	0.152	99.129%
2	01:57:40	0.032	0.037	0.168	0.125	0.148	99.552%
3	01:58:23	0.016	0.043	0.155	0.172	0.149	99.848%
x		0.027	0.039	0.165	0.153	0.149	99.509%
σ		0.010	0.003	0.009	0.025	0.002	0.361%
%RSD		36.410	8.708	5.340	16.070	1.524	0.363

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:01:17	110.814%	0.027	8.421	8.850	0.000	2793.000	6347.000	6578.000
2	02:02:00	111.851%	0.006	7.665	8.336	0.000	2811.000	6452.000	6651.000
3	02:02:43	111.135%	0.006	8.374	7.484	0.000	2816.000	6502.000	6679.000
x		111.267%	0.013	8.154	8.223	0.000	2807.000	6434.000	6636.000
σ		0.531%	0.012	0.423	0.690	0.000	11.820	79.310	51.980
%RSD		0.477	95.680	5.193	8.387	0.000	0.421	1.233	0.783

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:01:17	28.830	5009.000	0.000	2507.000	19740.000	20850.000	84.780%	6.502
2	02:02:00	30.520	5023.000	0.000	2516.000	20450.000	21020.000	85.803%	6.918
3	02:02:43	29.600	5052.000	0.000	2522.000	20160.000	21160.000	86.467%	7.318
x		29.650	5028.000	0.000	2515.000	20120.000	21010.000	85.683%	6.913
σ		0.847	22.080	0.000	7.606	353.100	156.500	0.850%	0.408
%RSD		2.856	0.439	0.000	0.302	1.755	0.745	0.992	5.903

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:01:17	3.889	7.153	374.400	377.600	411.200	3.009	0.240	5.135
2	02:02:00	1.271	7.004	376.500	381.700	399.600	2.959	0.414	5.114
3	02:02:43	1.158	6.964	376.600	376.800	397.800	2.861	0.181	4.939
x		2.106	7.041	375.800	378.700	402.900	2.943	0.279	5.063
σ		1.545	0.100	1.252	2.604	7.265	0.075	0.121	0.107
%RSD		73.370	1.414	0.333	0.688	1.803	2.559	43.570	2.118

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:01:17	4.983	85.780	83.220	-0.484	-7.133	-3.547	0.000	55.160
2	02:02:00	5.246	87.960	84.500	-1.693	-6.724	-2.161	0.000	55.330
3	02:02:43	5.006	84.610	83.900	1.896	-7.014	-5.322	0.000	54.780
x		5.078	86.120	83.870	-0.094	-6.957	-3.676	0.000	55.090
σ		0.146	1.702	0.642	1.826	0.210	1.585	0.000	0.282
%RSD		2.873	1.977	0.766	1952.000	3.024	43.100	0.000	0.512

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:01:17	90.148%	0.214	0.245	75.966%	-0.010	-0.003	0.056	0.083
2	02:02:00	91.489%	0.232	0.273	77.404%	-0.007	-0.003	0.092	0.052
3	02:02:43	92.193%	0.320	0.246	77.593%	-0.009	-0.007	0.193	0.154
x		91.277%	0.255	0.255	76.988%	-0.009	-0.004	0.114	0.096
σ		1.039%	0.057	0.016	0.890%	0.002	0.002	0.071	0.052
%RSD		1.138	22.200	6.263	1.156	18.670	45.200	62.240	54.470

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:01:17	84.825%	1.411	0.132	0.137	19.870	20.350	95.387%	95.278%
2	02:02:00	85.974%	1.438	0.120	0.187	20.720	21.120	97.361%	97.712%
3	02:02:43	87.328%	1.393	0.154	0.129	21.320	21.430	96.963%	97.768%
x		86.042%	1.414	0.135	0.151	20.640	20.970	96.570%	96.919%
σ		1.253%	0.023	0.017	0.032	0.728	0.554	1.044%	1.422%
%RSD		1.456	1.622	12.680	21.000	3.527	2.641	1.081	1.467

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:01:17	0.034	0.034	0.147	0.136	0.146	97.905%
2	02:02:00	0.024	0.039	0.113	0.156	0.132	100.094%
3	02:02:43	0.028	0.033	0.120	0.144	0.131	100.480%
x		0.029	0.035	0.127	0.145	0.136	99.493%
σ		0.005	0.003	0.018	0.010	0.009	1.389%
%RSD		16.550	8.112	14.120	6.888	6.408	1.396

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:05:37	109.868%	0.048	6.684	7.643	0.000	2818.000	6431.000	6674.000
2	02:06:20	112.242%	-0.015	6.530	6.562	0.000	2797.000	6527.000	6678.000
3	02:07:03	109.732%	-0.015	5.550	7.883	0.000	2863.000	6595.000	6766.000
x		110.614%	0.006	6.255	7.363	0.000	2826.000	6518.000	6706.000
σ		1.411%	0.036	0.616	0.704	0.000	33.670	82.450	52.150
%RSD		1.276	608.400	9.841	9.555	0.000	1.192	1.265	0.778

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:05:37	25.940	4990.000	0.000	2424.000	19990.000	21160.000	84.695%	5.502
2	02:06:20	26.130	4928.000	0.000	2458.000	19580.000	21210.000	85.997%	6.332
3	02:07:03	25.930	5043.000	0.000	2484.000	20440.000	21380.000	85.929%	6.147
x		26.000	4987.000	0.000	2455.000	20000.000	21250.000	85.541%	5.994
σ		0.110	57.730	0.000	30.190	430.700	118.900	0.733%	0.436
%RSD		0.422	1.158	0.000	1.230	2.153	0.559	0.857	7.270

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:05:37	2.232	7.302	394.300	334.200	356.500	3.067	0.468	4.505
2	02:06:20	0.823	7.227	393.300	330.600	358.000	3.138	0.314	4.982
3	02:07:03	3.119	7.142	396.700	336.200	355.200	3.021	0.280	4.652
x		2.058	7.224	394.700	333.700	356.600	3.075	0.354	4.713
σ		1.158	0.080	1.728	2.853	1.362	0.059	0.100	0.245
%RSD		56.270	1.112	0.438	0.855	0.382	1.910	28.270	5.189

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:05:37	4.549	89.270	87.950	-0.137	-7.216	-1.158	0.000	56.490
2	02:06:20	4.653	90.650	86.860	2.286	-6.780	-0.166	0.000	56.210
3	02:07:03	4.820	92.290	90.220	1.878	-6.480	-3.798	0.000	56.590
x		4.674	90.740	88.340	1.342	-6.825	-1.707	0.000	56.430
σ		0.137	1.511	1.712	1.297	0.370	1.878	0.000	0.195
%RSD		2.921	1.665	1.937	96.610	5.423	110.000	0.000	0.345

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:05:37	89.826%	0.312	0.262	76.109%	0.003	-0.002	0.080	0.173
2	02:06:20	90.907%	0.286	0.235	77.028%	-0.004	-0.005	0.135	0.116
3	02:07:03	90.333%	0.277	0.308	77.103%	-0.005	-0.000	0.037	0.053
x		90.355%	0.292	0.268	76.747%	-0.002	-0.002	0.084	0.114
σ		0.541%	0.018	0.037	0.554%	0.005	0.003	0.049	0.060
%RSD		0.598	6.230	13.730	0.721	223.700	118.200	58.370	52.240

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:05:37	85.057%	1.255	0.150	0.182	20.510	20.990	94.331%	95.606%
2	02:06:20	86.857%	1.199	0.145	0.140	20.250	21.300	95.885%	96.572%
3	02:07:03	87.324%	1.076	0.131	0.149	20.660	20.490	96.699%	96.436%
x		86.413%	1.176	0.142	0.157	20.470	20.930	95.639%	96.205%
σ		1.197%	0.092	0.010	0.022	0.210	0.408	1.203%	0.523%
%RSD		1.385	7.793	7.025	13.950	1.027	1.950	1.258	0.544

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:05:37	0.025	0.034	0.131	0.127	0.134	98.352%
2	02:06:20	0.021	0.039	0.130	0.106	0.112	99.309%
3	02:07:03	0.026	0.039	0.096	0.108	0.103	99.088%
x		0.024	0.037	0.119	0.114	0.117	98.916%
σ		0.003	0.003	0.020	0.012	0.016	0.501%
%RSD		10.460	7.482	17.070	10.390	13.890	0.507

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:09:56	105.777%	0.007	7.436	7.622	0.000	2811.000	6522.000	6724.000
2	02:10:39	109.178%	0.027	6.058	6.421	0.000	2797.000	6505.000	6720.000
3	02:11:22	110.107%	0.027	7.353	5.708	0.000	2788.000	6475.000	6707.000
x		108.354%	0.020	6.949	6.584	0.000	2799.000	6501.000	6717.000
σ		2.280%	0.012	0.773	0.967	0.000	11.500	24.040	9.106
%RSD		2.104	57.760	11.120	14.690	0.000	0.411	0.370	0.136

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:09:56	21.310	4950.000	0.000	2440.000	19980.000	21440.000	82.365%	4.031
2	02:10:39	20.420	4918.000	0.000	2432.000	20890.000	21470.000	83.462%	5.431
3	02:11:22	19.740	4884.000	0.000	2434.000	20090.000	21340.000	84.179%	5.030
x		20.490	4917.000	0.000	2435.000	20320.000	21420.000	83.335%	4.831
σ		0.787	33.210	0.000	4.240	495.800	65.320	0.914%	0.721
%RSD		3.840	0.675	0.000	0.174	2.440	0.305	1.096	14.920

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:09:56	2.260	6.538	405.100	252.900	280.200	2.360	0.127	3.521
2	02:10:39	-0.046	6.728	405.800	250.200	280.300	2.130	0.187	3.604
3	02:11:22	2.963	6.516	400.800	249.100	281.600	2.089	0.075	3.721
x		1.725	6.594	403.900	250.700	280.700	2.193	0.130	3.615
σ		1.574	0.117	2.720	1.960	0.757	0.146	0.056	0.101
%RSD		91.240	1.766	0.673	0.782	0.270	6.657	43.100	2.780

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:09:56	3.258	92.090	91.280	2.236	-6.319	-3.952	0.000	57.090
2	02:10:39	3.536	92.270	91.690	0.126	-6.816	-2.186	0.000	57.190
3	02:11:22	3.654	91.340	91.700	-1.235	-6.753	-3.247	0.000	57.360
x		3.483	91.900	91.550	0.376	-6.630	-3.128	0.000	57.220
σ		0.203	0.491	0.238	1.749	0.271	0.889	0.000	0.136
%RSD		5.838	0.535	0.260	465.500	4.083	28.410	0.000	0.238

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:09:56	87.060%	0.271	0.259	74.489%	-0.010	-0.001	0.109	0.094
2	02:10:39	88.181%	0.261	0.234	75.906%	-0.007	0.002	0.218	0.210
3	02:11:22	89.475%	0.264	0.235	76.156%	-0.004	0.000	0.173	0.226
x		88.239%	0.265	0.243	75.517%	-0.007	0.000	0.167	0.177
σ		1.209%	0.005	0.014	0.899%	0.003	0.002	0.055	0.072
%RSD		1.370	1.971	5.755	1.191	47.700	604.800	32.720	40.660

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:09:56	82.941%	1.169	0.194	0.232	20.880	20.810	92.965%	92.756%
2	02:10:39	84.424%	1.121	0.197	0.202	19.890	20.980	95.053%	95.122%
3	02:11:22	85.545%	1.164	0.212	0.237	19.700	20.800	95.808%	95.639%
x		84.303%	1.151	0.201	0.224	20.150	20.860	94.609%	94.506%
σ		1.306%	0.027	0.010	0.019	0.632	0.101	1.472%	1.537%
%RSD		1.549	2.306	4.862	8.539	3.138	0.485	1.556	1.627

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:09:56	0.021	0.025	0.146	0.154	0.139	96.640%
2	02:10:39	0.027	0.026	0.141	0.140	0.125	97.923%
3	02:11:22	0.013	0.029	0.114	0.106	0.117	99.085%
x		0.020	0.027	0.134	0.133	0.127	97.883%
σ		0.007	0.002	0.017	0.025	0.011	1.223%
%RSD		32.800	7.888	12.990	18.430	8.680	1.249

CCV 586960 10/10/2012 2:16:29 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:17:12	81.956%	91.390	91.930	96.200	0.000	46050.000	53420.000	55400.000
2	02:17:55	83.524%	86.290	86.910	92.890	0.000	45700.000	53260.000	55330.000
3	02:18:38	83.850%	83.500	95.270	95.160	0.000	46080.000	53340.000	55330.000
x		83.110%	87.057%	91.373%	94.748%	0.000	91.886%	106.677%	110.708%
σ		1.012%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.218	4.595	4.606	1.790	0.000	0.457	0.148	0.068

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:17:12	514.200	4953.000	0.000	48830.000	47210.000	48350.000	69.395%	101.500
2	02:17:55	521.700	4926.000	0.000	48930.000	47530.000	48680.000	70.059%	99.500
3	02:18:38	518.200	4942.000	0.000	49620.000	47890.000	48990.000	69.974%	103.600
x		103.611%	98.800%	0.000	98.250%	95.088%	97.342%	69.809%	101.562%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.361%	n/a
%RSD		0.724	0.279	0.000	0.874	0.713	0.661	0.518	2.044

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:17:12	99.060	99.360	527.400	27310.000	25250.000	95.660	89.670	90.340
2	02:17:55	100.300	99.920	526.900	27360.000	25320.000	94.510	91.640	91.780
3	02:18:38	100.900	100.400	533.200	27660.000	25810.000	96.720	91.420	92.510
x		100.089%	99.898%	105.835%	109.777%	101.841%	95.632%	90.909%	91.544%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.924	0.530	0.660	0.695	1.182	1.159	1.191	1.208

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:17:12	91.110	101.800	98.740	99.160	93.570	103.200	0.000	101.500
2	02:17:55	89.840	100.000	97.970	97.310	92.460	100.600	0.000	102.800
3	02:18:38	91.350	98.600	101.600	97.910	94.400	99.250	0.000	102.500
x		90.767%	100.133%	99.440%	98.125%	93.476%	101.028%	0.000	102.258%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.892	1.596	1.933	0.962	1.039	1.974	0.000	0.705

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:17:12	72.252%	97.870	99.240	68.404%	98.480	98.530	100.800	100.400
2	02:17:55	72.946%	101.900	101.900	69.503%	99.160	97.930	102.500	99.850
3	02:18:38	72.969%	102.400	103.500	69.715%	100.000	98.600	102.200	99.560
x		72.723%	100.720%	101.546%	69.207%	99.229%	98.354%	101.863%	99.949%
σ		0.407%	n/a	n/a	0.704%	n/a	n/a	n/a	n/a
%RSD		0.560	2.461	2.120	1.018	0.787	0.374	0.894	0.454

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:17:12	73.343%	97.730	102.100	104.500	96.190	98.590	81.793%	82.036%
2	02:17:55	73.943%	101.100	104.700	104.700	98.880	100.300	81.350%	82.962%
3	02:18:38	74.202%	100.700	103.500	105.200	97.770	98.970	83.118%	83.955%
x		73.829%	99.849%	103.462%	104.807%	97.615%	99.294%	82.087%	82.984%
σ		0.441%	n/a	n/a	n/a	n/a	n/a	0.920%	0.960%
%RSD		0.597	1.842	1.244	0.327	1.384	0.916	1.120	1.157

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:17:12	93.730	95.320	95.830	96.510	95.670	86.495%
2	02:17:55	95.390	96.670	97.090	97.420	97.000	86.643%
3	02:18:38	95.500	96.970	96.930	97.200	96.970	87.064%
x		94.871%	96.319%	96.615%	97.044%	96.547%	86.734%
σ		n/a	n/a	n/a	n/a	n/a	0.295%
%RSD		1.047	0.915	0.712	0.493	0.784	0.340

CCB10 10/10/2012 2:23:46 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:24:29	100.194%	0.008	0.463	1.321	0.000	35.620	11.250	13.370
2	02:25:12	102.404%	-0.015	1.040	0.909	0.000	36.310	14.870	15.410
3	02:25:55	103.340%	0.007	0.544	0.495	0.000	32.280	15.800	12.790
x		101.979%	-0.000	0.683	0.909	0.000	34.740	13.970	13.860
σ		1.615%	0.013	0.312	0.413	0.000	2.153	2.404	1.378
%RSD		1.584	110700.000	45.760	45.440	0.000	6.197	17.200	9.946

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:24:29	1.192	-0.034	0.000	-15.760	10.870	10.580	84.188%	-0.039
2	02:25:12	1.536	0.596	0.000	-11.930	14.760	20.040	83.669%	0.041
3	02:25:55	0.930	0.032	0.000	-16.760	10.620	16.390	85.057%	-0.235
x		1.219	0.198	0.000	-14.820	12.080	15.670	84.305%	-0.078
σ		0.303	0.346	0.000	2.550	2.325	4.771	0.701%	0.142
%RSD		24.890	174.700	0.000	17.210	19.240	30.450	0.832	182.800

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:24:29	0.057	-0.010	0.275	18.880	24.430	0.027	-0.830	-0.003
2	02:25:12	0.132	0.029	0.356	14.900	29.740	0.025	-0.763	-0.018
3	02:25:55	-0.048	0.040	0.372	10.010	18.950	0.026	-0.769	-0.028
x		0.047	0.019	0.334	14.590	24.370	0.026	-0.787	-0.016
σ		0.090	0.026	0.052	4.443	5.397	0.001	0.037	0.013
%RSD		192.600	135.700	15.520	30.450	22.140	3.188	4.687	77.690

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:24:29	-0.055	-0.314	-0.189	-0.371	-3.032	-2.276	0.000	0.097
2	02:25:12	-0.068	-0.095	-0.161	-0.454	-3.737	-3.174	0.000	0.102
3	02:25:55	-0.004	-0.177	-0.089	-0.950	-4.764	-3.713	0.000	0.111
x		-0.042	-0.195	-0.146	-0.592	-3.844	-3.054	0.000	0.103
σ		0.034	0.111	0.052	0.313	0.871	0.726	0.000	0.007
%RSD		80.460	56.730	35.290	52.920	22.660	23.780	0.000	7.145

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:24:29	80.425%	0.707	0.655	82.863%	0.027	0.011	-0.037	-0.029
2	02:25:12	80.534%	0.558	0.597	82.691%	0.023	0.024	-0.135	-0.083
3	02:25:55	81.454%	0.551	0.582	81.834%	0.018	0.017	0.035	0.021
x		80.804%	0.605	0.611	82.463%	0.023	0.018	-0.046	-0.030
σ		0.565%	0.088	0.039	0.551%	0.005	0.007	0.086	0.052
%RSD		0.699	14.570	6.320	0.668	20.640	37.240	187.800	173.400

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:24:29	86.306%	0.018	0.107	0.064	0.097	0.077	91.436%	91.502%
2	02:25:12	86.027%	-0.034	0.091	0.096	0.038	0.055	90.603%	91.555%
3	02:25:55	87.655%	-0.136	0.066	0.102	0.026	0.053	92.406%	93.749%
x		86.663%	-0.051	0.088	0.087	0.053	0.062	91.481%	92.269%
σ		0.871%	0.078	0.021	0.021	0.038	0.013	0.902%	1.282%
%RSD		1.005	155.100	23.560	23.550	71.180	21.510	0.986	1.390

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:24:29	0.046	0.052	0.096	0.148	0.152	96.235%
2	02:25:12	0.042	0.053	0.073	0.083	0.064	95.009%
3	02:25:55	0.031	0.038	0.034	0.052	0.044	97.312%
x		0.040	0.048	0.067	0.095	0.087	96.185%
σ		0.008	0.008	0.031	0.049	0.057	1.153%
%RSD		20.510	17.250	46.150	51.810	65.600	1.198

MB 180-50477/1-A 10/10/2012 2:31:48 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:32:31	101.026%	0.008	0.110	1.117	0.000	49.040	1.109	2.186
2	02:33:14	101.541%	-0.015	0.600	0.199	0.000	50.510	2.068	1.786
3	02:33:58	104.721%	-0.015	0.318	1.133	0.000	52.910	2.863	2.270
x		102.430%	-0.007	0.342	0.816	0.000	50.820	2.014	2.081
σ		2.001%	0.013	0.246	0.535	0.000	1.951	0.878	0.259
%RSD		1.954	181.300	71.870	65.510	0.000	3.840	43.620	12.450

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:32:31	0.042	2.467	0.000	10.040	-11.710	9.830	71.262%	-0.090
2	02:33:14	-0.009	2.885	0.000	9.886	19.100	12.260	71.464%	-0.045
3	02:33:58	-0.410	3.248	0.000	8.508	5.661	14.360	72.382%	-0.184
x		-0.126	2.867	0.000	9.478	4.351	12.150	71.703%	-0.106
σ		0.247	0.391	0.000	0.844	15.450	2.267	0.597%	0.071
%RSD		197.000	13.640	0.000	8.899	355.200	18.660	0.833	66.550

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:32:31	0.008	0.613	0.130	5.642	14.510	0.004	-0.626	-0.014
2	02:33:14	-0.352	0.643	0.088	3.472	9.236	0.006	-0.566	0.017
3	02:33:58	0.905	0.604	0.117	1.401	12.290	0.002	-0.700	0.031
x		0.187	0.620	0.112	3.505	12.010	0.004	-0.631	0.011
σ		0.648	0.020	0.022	2.121	2.648	0.002	0.067	0.023
%RSD		346.500	3.268	19.360	60.510	22.050	50.200	10.640	204.400

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:32:31	0.110	-0.026	-0.156	0.174	-4.364	-0.560	0.000	0.015
2	02:33:14	-0.048	0.071	-0.023	-0.205	-3.990	-2.549	0.000	0.021
3	02:33:58	0.038	-0.091	0.025	1.071	-4.675	0.400	0.000	0.026
x		0.033	-0.015	-0.051	0.347	-4.343	-0.903	0.000	0.021
σ		0.079	0.082	0.094	0.655	0.343	1.504	0.000	0.005
%RSD		236.100	534.900	184.400	189.000	7.897	166.500	0.000	24.730

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:32:31	78.420%	0.265	0.205	71.174%	-0.005	0.007	-0.027	-0.020
2	02:33:14	79.474%	0.180	0.211	71.189%	0.001	-0.003	0.025	0.007
3	02:33:58	80.371%	0.196	0.159	71.609%	-0.006	0.009	-0.023	-0.029
x		79.422%	0.214	0.192	71.324%	-0.003	0.004	-0.009	-0.014
σ		0.977%	0.045	0.028	0.247%	0.004	0.006	0.029	0.019
%RSD		1.230	21.290	14.840	0.346	113.100	140.400	336.800	135.800

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:32:31	74.893%	-0.058	0.017	0.033	-0.019	-0.039	82.684%	83.192%
2	02:33:14	76.011%	-0.139	0.062	0.026	0.014	-0.033	82.622%	84.001%
3	02:33:58	76.159%	-0.181	0.024	0.040	-0.020	0.023	84.536%	85.298%
x		75.688%	-0.126	0.034	0.033	-0.008	-0.016	83.281%	84.164%
σ		0.692%	0.063	0.024	0.007	0.019	0.034	1.088%	1.062%
%RSD		0.915	49.740	69.940	21.360	242.000	208.900	1.306	1.262

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:32:31	0.083	0.069	0.064	0.062	0.066	89.030%
2	02:33:14	0.058	0.055	0.044	0.041	0.041	78.163%
3	02:33:58	0.049	0.050	0.006	0.009	0.014	88.027%
x		0.063	0.058	0.038	0.037	0.041	85.073%
σ		0.018	0.010	0.029	0.027	0.026	6.005%
%RSD		27.660	17.330	77.120	71.130	64.220	7.059

LCS 180-50477/2-A 10/10/2012 2:36:09 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:36:52	112.454%	38.610	902.000	957.700	0.000	42680.000	56250.000	58470.000
2	02:37:35	115.610%	38.750	891.900	985.800	0.000	42630.000	56850.000	58780.000
3	02:38:18	119.184%	39.800	913.100	982.000	0.000	42490.000	56950.000	58920.000
x		115.749%	39.060	902.300	975.200	0.000	42600.000	56680.000	58730.000
σ		3.367%	0.651	10.580	15.240	0.000	97.820	373.900	229.800
%RSD		2.909	1.668	1.173	1.563	0.000	0.230	0.660	0.391

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:36:52	2127.000	9547.000	0.000	45650.000	47840.000	49960.000	83.245%	996.900
2	02:37:35	2112.000	9468.000	0.000	44780.000	47530.000	49310.000	88.443%	985.700
3	02:38:18	2133.000	9446.000	0.000	44690.000	46200.000	49010.000	90.758%	995.200
x		2124.000	9487.000	0.000	45040.000	47190.000	49420.000	87.482%	992.600
σ		10.460	53.080	0.000	532.700	872.600	485.000	3.847%	6.009
%RSD		0.492	0.560	0.000	1.183	1.849	0.981	4.398	0.605

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:36:52	492.900	203.200	524.500	1022.000	1123.000	433.600	413.300	208.200
2	02:37:35	484.800	196.900	509.900	991.900	1084.000	420.600	397.200	200.400
3	02:38:18	482.600	198.600	512.700	995.100	1086.000	417.400	398.000	203.300
x		486.800	199.600	515.700	1003.000	1098.000	423.900	402.800	204.000
σ		5.456	3.257	7.721	16.320	22.500	8.559	9.081	3.906
%RSD		1.121	1.632	1.497	1.627	2.050	2.019	2.254	1.915

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:36:52	206.200	462.100	454.800	35.520	3.366	9.122	0.000	1042.000
2	02:37:35	202.600	452.400	444.000	39.540	3.716	10.710	0.000	1033.000
3	02:38:18	202.200	450.400	450.900	35.200	3.670	10.890	0.000	1041.000
x		203.700	454.900	449.900	36.760	3.584	10.240	0.000	1039.000
σ		2.168	6.235	5.441	2.420	0.190	0.975	0.000	4.451
%RSD		1.065	1.370	1.209	6.585	5.301	9.516	0.000	0.428

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:36:52	80.558%	1021.000	1027.000	74.235%	48.770	47.510	50.710	44.720
2	02:37:35	85.005%	1020.000	1029.000	76.964%	48.370	47.220	51.490	46.320
3	02:38:18	86.524%	1025.000	1035.000	78.329%	49.190	47.240	50.100	45.220
x		84.029%	1022.000	1031.000	76.510%	48.780	47.320	50.770	45.420
σ		3.100%	2.688	4.167	2.085%	0.415	0.162	0.700	0.818
%RSD		3.689	0.263	0.404	2.725	0.851	0.343	1.378	1.800

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:36:52	81.937%	1956.000	510.300	520.000	1922.000	1972.000	92.114%	92.797%
2	02:37:35	85.636%	1921.000	502.200	511.300	1920.000	1964.000	94.952%	95.506%
3	02:38:18	87.482%	1949.000	508.400	517.500	1926.000	1977.000	97.917%	98.559%
x		85.018%	1942.000	507.000	516.300	1923.000	1971.000	94.994%	95.621%
σ		2.824%	18.320	4.229	4.508	2.890	6.890	2.901%	2.883%
%RSD		3.321	0.943	0.834	0.873	0.150	0.349	3.054	3.015

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:36:52	46.140	47.450	19.070	19.160	18.950	94.464%
2	02:37:35	45.500	46.520	18.140	18.690	18.400	100.358%
3	02:38:18	45.070	46.190	18.270	18.690	18.440	103.008%
x		45.570	46.720	18.490	18.850	18.600	99.277%
σ		0.536	0.657	0.503	0.273	0.310	4.374%
%RSD		1.175	1.405	2.718	1.446	1.669	4.406

180-14672-B-91-D 10/10/2012 2:40:30 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:41:13	114.536%	-0.015	17.900	19.820	0.000	2903.000	6785.000	7034.000
2	02:41:56	117.868%	-0.015	10.430	12.460	0.000	2903.000	6726.000	6975.000
3	02:42:39	117.877%	-0.015	10.110	9.331	0.000	2893.000	6827.000	7032.000
x		116.760%	-0.015	12.810	13.870	0.000	2900.000	6779.000	7014.000
σ		1.926%	0.000	4.407	5.385	0.000	5.901	50.890	33.410
%RSD		1.650	0.000	34.390	38.820	0.000	0.203	0.751	0.476

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:41:13	22.630	5058.000	0.000	2520.000	20930.000	22220.000	87.012%	6.299
2	02:41:56	21.800	5011.000	0.000	2510.000	21170.000	22300.000	87.850%	7.918
3	02:42:39	21.720	5005.000	0.000	2499.000	20730.000	22420.000	88.192%	7.590
x		22.050	5025.000	0.000	2510.000	20940.000	22310.000	87.685%	7.269
σ		0.505	28.880	0.000	10.270	219.000	98.170	0.607%	0.856
%RSD		2.289	0.575	0.000	0.409	1.046	0.440	0.692	11.780

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:41:13	3.105	9.087	430.100	230.500	256.100	3.384	0.456	3.778
2	02:41:56	-0.617	8.948	429.700	223.300	262.300	3.360	0.533	3.768
3	02:42:39	-2.787	8.763	422.000	220.800	244.800	3.399	0.372	3.853
x		-0.100	8.932	427.300	224.900	254.400	3.381	0.454	3.800
σ		2.980	0.163	4.579	5.012	8.873	0.020	0.080	0.046
%RSD		2992.000	1.820	1.072	2.229	3.488	0.586	17.700	1.218

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:41:13	3.832	98.700	98.350	0.906	-6.630	-1.637	0.000	58.590
2	02:41:56	3.983	97.760	95.080	2.242	-6.958	-1.670	0.000	58.710
3	02:42:39	4.068	97.210	99.380	1.845	-6.698	-1.522	0.000	59.670
x		3.961	97.890	97.600	1.664	-6.762	-1.610	0.000	58.990
σ		0.119	0.756	2.249	0.686	0.173	0.078	0.000	0.591
%RSD		3.013	0.772	2.304	41.240	2.557	4.823	0.000	1.002

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:41:13	89.898%	5.314	5.572	77.535%	0.011	-0.003	0.161	0.102
2	02:41:56	91.185%	3.405	3.563	76.679%	-0.000	0.003	0.087	0.112
3	02:42:39	91.140%	2.186	2.424	78.006%	0.003	0.005	0.216	0.128
x		90.741%	3.635	3.853	77.407%	0.004	0.002	0.155	0.114
σ		0.731%	1.576	1.594	0.673%	0.006	0.004	0.065	0.013
%RSD		0.805	43.360	41.370	0.869	133.300	263.900	41.800	11.590

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:41:13	86.490%	7.885	0.367	0.458	20.120	21.870	94.690%	95.408%
2	02:41:56	86.823%	4.916	0.304	0.344	21.710	21.350	96.682%	96.415%
3	02:42:39	87.482%	3.939	0.272	0.259	21.180	21.550	97.041%	97.145%
x		86.932%	5.580	0.314	0.354	21.000	21.590	96.138%	96.323%
σ		0.505%	2.055	0.048	0.100	0.806	0.263	1.266%	0.872%
%RSD		0.581	36.830	15.320	28.260	3.839	1.217	1.317	0.906

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:41:13	0.387	0.447	0.126	0.134	0.113	101.078%
2	02:41:56	0.295	0.334	0.073	0.098	0.083	101.463%
3	02:42:39	0.250	0.259	0.073	0.101	0.080	102.023%
x		0.311	0.347	0.090	0.111	0.092	101.521%
σ		0.070	0.095	0.030	0.020	0.018	0.475%
%RSD		22.520	27.430	33.690	18.290	19.520	0.468

180-14672-B-91-D SD@5 10/10/2012 2:44:51 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:45:35	88.842%	0.011	3.425	3.719	0.000	628.800	1307.000	1321.000
2	02:46:18	90.899%	-0.015	3.056	2.621	0.000	621.300	1269.000	1340.000
3	02:47:01	92.180%	-0.015	2.472	2.551	0.000	636.900	1255.000	1313.000
x		90.640%	-0.006	2.984	2.963	0.000	629.000	1277.000	1325.000
σ		1.684%	0.015	0.481	0.655	0.000	7.815	26.940	13.570
%RSD		1.858	233.500	16.110	22.110	0.000	1.242	2.110	1.024

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:45:35	6.379	1028.000	0.000	541.600	4483.000	4384.000	71.139%	0.464
2	02:46:18	6.846	1008.000	0.000	522.600	4043.000	4347.000	72.763%	0.674
3	02:47:01	6.285	1005.000	0.000	521.900	4244.000	4315.000	72.634%	0.630
x		6.503	1014.000	0.000	528.700	4257.000	4349.000	72.178%	0.589
σ		0.300	12.450	0.000	11.220	220.000	34.190	0.903%	0.111
%RSD		4.619	1.228	0.000	2.123	5.169	0.786	1.251	18.750

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:45:35	-1.285	2.205	88.570	61.150	63.060	0.767	-0.498	0.845
2	02:46:18	-0.794	2.165	88.440	59.200	62.800	0.705	-0.555	0.816
3	02:47:01	-0.745	2.016	87.770	56.140	62.700	0.773	-0.362	0.819
x		-0.941	2.129	88.260	58.830	62.860	0.748	-0.471	0.827
σ		0.298	0.099	0.429	2.527	0.187	0.037	0.099	0.016
%RSD		31.700	4.671	0.486	4.296	0.297	4.992	20.960	1.911

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:45:35	0.781	21.780	21.810	0.585	-4.262	-0.006	0.000	11.790
2	02:46:18	1.044	21.300	21.480	0.737	-5.512	3.151	0.000	11.920
3	02:47:01	0.772	21.390	20.510	0.379	-5.018	0.022	0.000	11.970
x		0.866	21.490	21.270	0.567	-4.931	1.056	0.000	11.890
σ		0.155	0.252	0.675	0.180	0.629	1.814	0.000	0.096
%RSD		17.840	1.172	3.173	31.730	12.760	171.900	0.000	0.808

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:45:35	75.393%	0.798	0.885	70.064%	0.005	-0.004	0.094	0.057
2	02:46:18	76.571%	0.812	0.790	70.776%	0.016	0.003	0.063	0.039
3	02:47:01	76.273%	0.704	0.625	70.749%	0.005	-0.003	-0.058	-0.049
x		76.079%	0.771	0.767	70.530%	0.008	-0.001	0.033	0.016
σ		0.612%	0.059	0.132	0.404%	0.006	0.004	0.081	0.057
%RSD		0.805	7.620	17.170	0.572	75.680	293.600	244.100	362.200

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:45:35	75.461%	0.694	0.051	0.103	3.944	4.426	83.059%	83.983%
2	02:46:18	76.297%	0.553	0.108	0.125	4.252	4.287	85.111%	85.912%
3	02:47:01	76.551%	0.507	0.044	0.089	4.146	4.250	84.552%	85.700%
x		76.103%	0.585	0.068	0.106	4.114	4.321	84.241%	85.198%
σ		0.570%	0.097	0.035	0.018	0.157	0.093	1.061%	1.058%
%RSD		0.749	16.670	51.650	17.110	3.814	2.154	1.260	1.241

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:45:35	0.079	0.084	0.100	0.105	0.095	77.790%
2	02:46:18	0.060	0.069	0.042	0.047	0.052	89.221%
3	02:47:01	0.051	0.063	0.044	0.028	0.040	89.093%
x		0.063	0.072	0.062	0.060	0.062	85.368%
σ		0.014	0.011	0.033	0.040	0.029	6.563%
%RSD		22.630	14.720	53.300	66.870	46.610	7.688

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:49:56	114.218%	37.180	887.600	966.600	0.000	44700.000	62550.000	65490.000
2	02:50:39	119.444%	39.160	871.300	964.500	0.000	44780.000	64070.000	65920.000
3	02:51:22	120.401%	38.400	905.000	966.400	0.000	45200.000	64410.000	66400.000
x		118.021%	38.240	888.000	965.800	0.000	44890.000	63680.000	65940.000
σ		3.328%	0.998	16.830	1.137	0.000	269.500	990.500	454.000
%RSD		2.820	2.608	1.896	0.118	0.000	0.600	1.555	0.689

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:49:56	2120.000	13750.000	0.000	46570.000	65870.000	69850.000	87.906%	974.400
2	02:50:39	2135.000	13870.000	0.000	46590.000	66600.000	70070.000	90.943%	964.900
3	02:51:22	2161.000	14060.000	0.000	47180.000	66760.000	70610.000	91.293%	977.700
x		2139.000	13890.000	0.000	46780.000	66410.000	70180.000	90.047%	972.300
σ		20.600	158.300	0.000	346.700	472.500	392.600	1.863%	6.644
%RSD		0.963	1.139	0.000	0.741	0.712	0.559	2.069	0.683

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:49:56	473.400	193.200	916.000	1174.000	1303.000	410.700	384.100	197.300
2	02:50:39	467.900	194.500	909.900	1172.000	1322.000	408.000	385.500	197.800
3	02:51:22	470.800	195.500	911.100	1180.000	1327.000	409.100	382.100	197.400
x		470.700	194.400	912.300	1176.000	1317.000	409.300	383.900	197.500
σ		2.742	1.144	3.237	4.196	12.870	1.340	1.696	0.283
%RSD		0.582	0.588	0.355	0.357	0.977	0.327	0.442	0.143

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:49:56	197.000	529.200	525.500	38.120	3.318	10.600	0.000	1057.000
2	02:50:39	195.700	531.200	526.900	33.690	3.207	7.499	0.000	1064.000
3	02:51:22	197.600	538.800	525.800	38.760	3.098	9.903	0.000	1062.000
x		196.700	533.100	526.100	36.860	3.208	9.333	0.000	1061.000
σ		0.987	5.066	0.750	2.765	0.110	1.626	0.000	3.673
%RSD		0.502	0.950	0.143	7.503	3.432	17.420	0.000	0.346

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:49:56	86.615%	993.600	1016.000	75.760%	48.870	47.220	50.390	44.870
2	02:50:39	89.606%	999.100	1018.000	77.581%	47.940	47.190	51.850	44.650
3	02:51:22	89.991%	1004.000	1026.000	78.292%	48.530	47.450	51.970	44.870
x		88.737%	999.000	1020.000	77.211%	48.450	47.290	51.400	44.790
σ		1.848%	5.439	5.214	1.306%	0.469	0.144	0.883	0.125
%RSD		2.083	0.544	0.511	1.691	0.967	0.304	1.717	0.280

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:49:56	85.846%	1940.000	503.500	512.600	1922.000	1972.000	96.381%	96.848%
2	02:50:39	86.651%	1972.000	513.500	523.200	1942.000	1992.000	99.110%	99.433%
3	02:51:22	88.483%	1957.000	509.500	516.500	1949.000	1991.000	99.408%	99.167%
x		86.993%	1956.000	508.800	517.400	1937.000	1985.000	98.300%	98.483%
σ		1.351%	16.170	5.072	5.399	13.840	11.410	1.668%	1.422%
%RSD		1.553	0.827	0.997	1.043	0.714	0.575	1.697	1.444

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:49:56	45.010	45.200	18.380	18.390	18.450	101.540%
2	02:50:39	45.230	45.850	17.890	18.250	18.130	103.557%
3	02:51:22	45.160	46.380	18.340	18.920	18.470	103.708%
x		45.140	45.810	18.200	18.520	18.350	102.935%
σ		0.113	0.591	0.271	0.354	0.193	1.210%
%RSD		0.250	1.290	1.489	1.914	1.051	1.176

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:54:18	116.142%	39.090	864.400	960.000	0.000	44960.000	63670.000	65860.000
2	02:55:01	117.402%	37.280	901.400	976.800	0.000	45390.000	64640.000	66350.000
3	02:55:44	119.524%	36.580	898.400	978.400	0.000	45080.000	63850.000	66130.000
x		117.689%	37.650	888.100	971.800	0.000	45140.000	64060.000	66110.000
σ		1.709%	1.294	20.530	10.170	0.000	222.500	515.700	247.300
%RSD		1.452	3.436	2.312	1.047	0.000	0.493	0.805	0.374

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:54:18	2110.000	14060.000	0.000	46790.000	66400.000	70780.000	87.220%	982.200
2	02:55:01	2146.000	14270.000	0.000	47020.000	67580.000	71350.000	89.170%	980.400
3	02:55:44	2132.000	13880.000	0.000	46660.000	67730.000	70780.000	90.357%	982.400
x		2129.000	14070.000	0.000	46820.000	67240.000	70970.000	88.916%	981.700
σ		17.940	191.700	0.000	183.400	726.800	329.300	1.584%	1.132
%RSD		0.842	1.362	0.000	0.392	1.081	0.464	1.782	0.115

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:54:18	476.400	196.800	939.000	1201.000	1351.000	409.100	388.500	200.800
2	02:55:01	477.800	196.100	915.200	1187.000	1324.000	411.800	383.300	198.600
3	02:55:44	472.100	196.700	929.900	1186.000	1334.000	407.500	383.800	198.200
x		475.400	196.500	928.100	1191.000	1336.000	409.500	385.200	199.200
σ		2.961	0.349	11.970	8.669	13.790	2.188	2.903	1.374
%RSD		0.623	0.178	1.290	0.728	1.032	0.534	0.754	0.690

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:54:18	199.200	540.400	534.300	36.980	2.654	10.670	0.000	1072.000
2	02:55:01	195.900	542.600	534.200	34.480	3.331	7.744	0.000	1060.000
3	02:55:44	198.100	535.500	529.600	35.630	3.394	10.160	0.000	1065.000
x		197.700	539.500	532.700	35.700	3.126	9.524	0.000	1066.000
σ		1.701	3.649	2.661	1.248	0.410	1.562	0.000	5.689
%RSD		0.860	0.676	0.500	3.496	13.120	16.400	0.000	0.534

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:54:18	85.814%	1003.000	1024.000	75.484%	48.880	47.330	51.690	44.790
2	02:55:01	88.213%	1005.000	1024.000	76.700%	48.800	46.700	51.440	44.970
3	02:55:44	88.980%	994.500	1019.000	77.353%	48.230	46.950	50.560	45.390
x		87.669%	1001.000	1023.000	76.512%	48.640	46.990	51.230	45.050
σ		1.652%	5.628	3.023	0.949%	0.353	0.316	0.594	0.307
%RSD		1.884	0.562	0.296	1.240	0.726	0.673	1.159	0.682

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:54:18	84.413%	1976.000	512.000	515.800	1924.000	1969.000	95.710%	95.359%
2	02:55:01	85.918%	1969.000	509.100	518.800	1941.000	1987.000	97.391%	98.013%
3	02:55:44	87.912%	1955.000	507.700	514.300	1923.000	1967.000	98.118%	98.373%
x		86.081%	1967.000	509.600	516.300	1929.000	1974.000	97.073%	97.248%
σ		1.755%	10.860	2.230	2.274	10.310	11.110	1.235%	1.646%
%RSD		2.039	0.552	0.438	0.440	0.534	0.563	1.273	1.693

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:54:18	45.730	46.640	18.860	18.880	18.710	98.676%
2	02:55:01	45.730	46.670	18.480	18.870	18.610	101.001%
3	02:55:44	45.820	46.710	18.520	18.800	18.650	101.580%
x		45.760	46.670	18.620	18.850	18.660	100.419%
σ		0.053	0.034	0.204	0.043	0.047	1.537%
%RSD		0.115	0.074	1.098	0.231	0.254	1.530

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:58:40	114.876%	0.005	20.270	22.030	0.000	2877.000	6735.000	6946.000
2	02:59:23	117.549%	0.024	13.350	13.940	0.000	2847.000	6672.000	6914.000
3	03:00:06	113.886%	0.046	10.040	12.480	0.000	2887.000	6794.000	7023.000
x		115.437%	0.025	14.550	16.150	0.000	2870.000	6734.000	6961.000
σ		1.895%	0.020	5.222	5.146	0.000	20.790	60.990	55.670
%RSD		1.641	81.070	35.880	31.860	0.000	0.724	0.906	0.800

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:58:40	20.120	4915.000	0.000	2437.000	20840.000	22090.000	85.775%	4.441
2	02:59:23	18.960	4891.000	0.000	2435.000	20510.000	22450.000	86.508%	4.669
3	03:00:06	17.890	4940.000	0.000	2438.000	20700.000	22230.000	86.279%	5.174
x		18.990	4915.000	0.000	2436.000	20680.000	22250.000	86.188%	4.761
σ		1.116	24.390	0.000	1.815	162.100	180.300	0.375%	0.375
%RSD		5.876	0.496	0.000	0.074	0.784	0.810	0.435	7.877

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:58:40	-2.268	9.935	434.700	191.300	227.500	3.170	0.565	4.437
2	02:59:23	1.372	9.962	435.200	188.900	218.600	3.300	0.331	4.449
3	03:00:06	6.270	9.552	434.900	188.800	220.400	3.320	0.706	4.322
x		1.791	9.816	434.900	189.700	222.200	3.263	0.534	4.402
σ		4.285	0.229	0.260	1.423	4.680	0.081	0.189	0.070
%RSD		239.200	2.334	0.060	0.750	2.107	2.481	35.420	1.593

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:58:40	4.400	100.700	99.310	4.734	-7.094	-3.388	0.000	58.460
2	02:59:23	4.482	98.340	99.990	-0.307	-6.636	-2.974	0.000	60.070
3	03:00:06	4.364	97.630	98.470	0.350	-6.935	-0.819	0.000	59.030
x		4.415	98.880	99.260	1.592	-6.888	-2.394	0.000	59.190
σ		0.060	1.603	0.761	2.740	0.233	1.379	0.000	0.816
%RSD		1.364	1.621	0.767	172.100	3.377	57.610	0.000	1.379

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:58:40	87.977%	5.802	5.743	75.594%	0.002	0.002	0.192	0.175
2	02:59:23	87.906%	3.623	4.058	76.060%	0.025	0.015	0.135	0.145
3	03:00:06	89.163%	2.737	2.766	76.146%	0.005	0.009	0.041	0.116
x		88.348%	4.054	4.189	75.933%	0.010	0.009	0.123	0.146
σ		0.706%	1.577	1.493	0.297%	0.013	0.007	0.076	0.030
%RSD		0.799	38.910	35.640	0.391	122.100	77.760	62.060	20.310

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:58:40	84.800%	9.632	0.395	0.436	21.030	21.740	95.425%	94.623%
2	02:59:23	85.898%	6.722	0.350	0.354	20.920	22.280	95.923%	96.506%
3	03:00:06	86.206%	5.674	0.331	0.382	20.130	21.470	96.117%	96.332%
x		85.635%	7.342	0.359	0.391	20.690	21.830	95.822%	95.820%
σ		0.739%	2.051	0.033	0.041	0.491	0.415	0.357%	1.040%
%RSD		0.863	27.930	9.174	10.550	2.373	1.901	0.373	1.086

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:58:40	0.432	0.445	0.224	0.203	0.203	99.753%
2	02:59:23	0.343	0.335	0.183	0.188	0.182	99.995%
3	03:00:06	0.293	0.306	0.162	0.216	0.178	100.200%
x		0.356	0.362	0.190	0.202	0.188	99.983%
σ		0.070	0.073	0.031	0.014	0.013	0.224%
%RSD		19.780	20.230	16.520	6.688	7.060	0.224

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:03:01	113.556%	0.557	5.921	6.629	0.000	2564.000	7413.000	7710.000
2	03:03:44	113.557%	0.455	6.027	6.064	0.000	2570.000	7489.000	7677.000
3	03:04:27	114.874%	0.530	6.161	5.402	0.000	2570.000	7460.000	7709.000
x		113.996%	0.514	6.036	6.032	0.000	2568.000	7454.000	7699.000
σ		0.761%	0.053	0.120	0.614	0.000	3.340	38.510	18.950
%RSD		0.667	10.320	1.994	10.180	0.000	0.130	0.517	0.246

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:03:01	474.000	4516.000	0.000	2467.000	27710.000	29290.000	84.767%	5.734
2	03:03:44	473.200	4519.000	0.000	2473.000	28100.000	29330.000	85.126%	6.796
3	03:04:27	473.200	4504.000	0.000	2453.000	27910.000	29430.000	86.426%	6.804
x		473.500	4513.000	0.000	2465.000	27910.000	29350.000	85.439%	6.445
σ		0.477	8.081	0.000	10.560	196.200	72.850	0.873%	0.616
%RSD		0.101	0.179	0.000	0.429	0.703	0.248	1.022	9.554

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:03:01	1.292	9.859	1799.000	38.430	97.950	29.920	6.765	20.060
2	03:03:44	1.097	9.367	1809.000	36.590	104.300	29.780	7.178	20.460
3	03:04:27	2.207	9.559	1794.000	35.200	98.700	29.880	6.959	19.740
x		1.532	9.595	1801.000	36.740	100.300	29.860	6.967	20.090
σ		0.593	0.248	7.321	1.616	3.474	0.069	0.207	0.362
%RSD		38.710	2.585	0.407	4.399	3.463	0.233	2.965	1.800

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:03:01	20.300	359.000	356.500	3.973	-5.867	4.468	0.000	73.360
2	03:03:44	19.620	359.200	363.600	2.314	-6.483	1.204	0.000	74.230
3	03:04:27	20.070	356.400	355.200	4.437	-6.267	6.187	0.000	73.540
x		19.990	358.200	358.500	3.575	-6.205	3.953	0.000	73.710
σ		0.349	1.522	4.499	1.116	0.313	2.531	0.000	0.462
%RSD		1.748	0.425	1.255	31.220	5.036	64.030	0.000	0.627

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:03:01	0.000	1.453	1.745	74.773%	0.002	-0.001	1.512	1.289
2	03:03:44	0.000	1.198	1.070	75.129%	0.007	0.004	1.543	1.397
3	03:04:27	0.000	1.173	1.156	76.341%	-0.002	-0.005	1.560	1.296
x		0.000	1.275	1.324	75.414%	0.002	-0.001	1.538	1.327
σ		0.000	0.155	0.367	0.822%	0.004	0.004	0.024	0.061
%RSD		0.000	12.140	27.750	1.090	205.100	490.500	1.564	4.576

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:03:01	83.583%	4.979	0.212	0.253	35.780	36.970	100.818%	104.035%
2	03:03:44	85.447%	4.698	0.209	0.189	35.560	37.100	102.231%	106.127%
3	03:04:27	86.183%	4.296	0.182	0.193	36.660	37.100	103.652%	107.982%
x		85.071%	4.658	0.201	0.211	36.000	37.060	102.234%	106.048%
σ		1.340%	0.343	0.016	0.036	0.582	0.075	1.417%	1.975%
%RSD		1.575	7.370	8.199	17.040	1.617	0.202	1.386	1.862

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	03:03:01	0.214	0.219	0.112	0.102	0.098	99.190%
2	03:03:44	0.219	0.241	0.084	0.103	0.084	99.801%
3	03:04:27	0.182	0.209	0.066	0.071	0.064	100.555%
x		0.205	0.223	0.087	0.092	0.082	99.848%
σ		0.020	0.016	0.023	0.018	0.017	0.684%
%RSD		9.859	7.227	26.050	19.700	21.230	0.685

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:07:21	111.086%	0.549	6.079	5.410	0.000	2858.000	8790.000	9041.000
2	03:08:04	112.230%	0.563	3.773	5.203	0.000	2861.000	8720.000	9056.000
3	03:08:47	112.336%	0.274	4.875	5.392	0.000	2895.000	8897.000	9129.000
x		111.884%	0.462	4.909	5.335	0.000	2871.000	8802.000	9075.000
σ		0.693%	0.163	1.154	0.115	0.000	20.360	88.780	46.840
%RSD		0.620	35.330	23.500	2.149	0.000	0.709	1.009	0.516

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:07:21	695.300	4870.000	0.000	2524.000	34500.000	36200.000	82.265%	5.469
2	03:08:04	686.600	4780.000	0.000	2492.000	33400.000	36000.000	84.708%	4.799
3	03:08:47	695.100	4853.000	0.000	2484.000	34090.000	36100.000	84.947%	5.096
x		692.300	4834.000	0.000	2500.000	34000.000	36100.000	83.973%	5.121
σ		4.943	47.440	0.000	21.380	554.700	103.700	1.484%	0.336
%RSD		0.714	0.981	0.000	0.855	1.632	0.287	1.767	6.558

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:07:21	1.356	7.985	2105.000	35.910	128.700	30.640	8.640	28.070
2	03:08:04	4.193	7.951	2075.000	35.600	114.300	30.450	8.491	27.520
3	03:08:47	0.955	7.975	2085.000	35.670	111.100	30.720	8.843	28.140
x		2.168	7.970	2088.000	35.720	118.000	30.600	8.658	27.910
σ		1.765	0.017	14.890	0.161	9.351	0.142	0.177	0.343
%RSD		81.420	0.219	0.713	0.451	7.923	0.464	2.040	1.230

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:07:21	28.110	475.300	474.300	3.721	-5.712	6.489	0.000	86.010
2	03:08:04	28.290	477.400	476.000	5.619	-6.481	6.695	0.000	85.780
3	03:08:47	28.060	483.800	477.200	3.034	-5.117	5.093	0.000	86.810
x		28.150	478.800	475.900	4.125	-5.770	6.092	0.000	86.200
σ		0.124	4.433	1.449	1.339	0.684	0.872	0.000	0.541
%RSD		0.439	0.926	0.304	32.470	11.860	14.310	0.000	0.628

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:07:21	0.000	0.859	0.710	74.121%	-0.009	0.002	2.077	1.638
2	03:08:04	0.000	0.619	0.676	75.344%	-0.000	0.004	2.058	1.837
3	03:08:47	0.000	0.557	0.658	75.785%	-0.004	-0.005	2.085	1.775
x		0.000	0.678	0.682	75.084%	-0.004	0.000	2.074	1.750
σ		0.000	0.159	0.026	0.862%	0.004	0.005	0.014	0.102
%RSD		0.000	23.480	3.856	1.148	102.100	1614.000	0.667	5.832

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:07:21	83.704%	3.155	0.131	0.147	35.120	36.930	104.309%	109.561%
2	03:08:04	85.769%	2.952	0.152	0.143	34.740	35.960	105.750%	110.659%
3	03:08:47	85.900%	2.944	0.131	0.190	36.350	35.880	107.197%	112.250%
x		85.124%	3.017	0.138	0.160	35.400	36.260	105.752%	110.823%
σ		1.232%	0.120	0.012	0.026	0.839	0.580	1.444%	1.352%
%RSD		1.447	3.969	8.591	16.290	2.370	1.598	1.366	1.220

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	03:07:21	0.150	0.143	0.093	0.075	0.084	98.731%
2	03:08:04	0.194	0.194	0.084	0.086	0.088	99.183%
3	03:08:47	0.161	0.176	0.076	0.077	0.078	100.580%
x		0.168	0.171	0.084	0.079	0.083	99.498%
σ		0.023	0.026	0.009	0.006	0.005	0.964%
%RSD		13.470	14.960	10.230	7.289	6.066	0.969

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:11:41	110.187%	0.826	4.423	5.114	0.000	2889.000	8732.000	9040.000
2	03:12:24	110.990%	0.423	4.598	4.758	0.000	2898.000	8764.000	9074.000
3	03:13:07	112.814%	0.458	4.194	5.103	0.000	2898.000	8898.000	9154.000
x		111.330%	0.569	4.405	4.991	0.000	2895.000	8798.000	9089.000
σ		1.346%	0.223	0.203	0.203	0.000	5.013	88.440	58.560
%RSD		1.209	39.290	4.602	4.057	0.000	0.173	1.005	0.644

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:11:41	633.400	4917.000	0.000	2403.000	33440.000	35920.000	83.316%	5.717
2	03:12:24	630.800	4891.000	0.000	2426.000	33730.000	36050.000	85.190%	5.624
3	03:13:07	639.000	4923.000	0.000	2457.000	34130.000	36630.000	84.695%	6.554
x		634.400	4911.000	0.000	2429.000	33770.000	36200.000	84.400%	5.965
σ		4.193	16.910	0.000	27.410	347.700	376.000	0.971%	0.512
%RSD		0.661	0.344	0.000	1.129	1.030	1.039	1.151	8.582

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:11:41	-0.271	8.589	2007.000	36.200	123.200	27.660	8.736	26.790
2	03:12:24	-1.146	8.197	2013.000	36.070	117.300	27.350	8.423	26.650
3	03:13:07	-1.006	8.536	2047.000	36.120	111.200	27.310	8.340	26.720
x		-0.808	8.441	2022.000	36.130	117.200	27.440	8.500	26.720
σ		0.470	0.213	21.590	0.065	6.032	0.191	0.209	0.071
%RSD		58.220	2.522	1.068	0.179	5.145	0.695	2.456	0.267

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:11:41	27.120	485.200	482.800	3.885	-5.955	5.547	0.000	84.390
2	03:12:24	27.520	474.100	482.400	4.064	-6.329	1.919	0.000	85.020
3	03:13:07	27.090	488.000	477.200	1.418	-6.281	7.214	0.000	85.800
x		27.240	482.400	480.800	3.123	-6.188	4.893	0.000	85.070
σ		0.238	7.351	3.115	1.479	0.203	2.707	0.000	0.708
%RSD		0.872	1.524	0.648	47.360	3.289	55.330	0.000	0.833

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:11:41	0.000	0.581	0.598	74.247%	0.003	0.002	2.144	1.801
2	03:12:24	0.000	0.569	0.560	75.771%	-0.005	-0.002	2.000	1.733
3	03:13:07	0.000	0.473	0.491	76.197%	-0.000	-0.003	2.266	1.921
x		0.000	0.541	0.550	75.405%	-0.001	-0.001	2.136	1.818
σ		0.000	0.059	0.054	1.025%	0.004	0.003	0.133	0.095
%RSD		0.000	10.950	9.795	1.360	631.800	317.000	6.224	5.211

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:11:41	83.646%	3.155	0.160	0.158	34.560	35.570	102.933%	109.032%
2	03:12:24	85.431%	3.160	0.147	0.144	33.840	35.020	105.268%	111.101%
3	03:13:07	86.049%	3.142	0.128	0.174	34.750	35.030	105.735%	111.703%
x		85.042%	3.153	0.145	0.159	34.380	35.210	104.645%	110.612%
σ		1.248%	0.009	0.016	0.015	0.482	0.319	1.501%	1.401%
%RSD		1.467	0.299	10.920	9.429	1.401	0.906	1.435	1.267

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	03:11:41	0.153	0.172	0.099	0.097	0.095	97.490%
2	03:12:24	0.137	0.181	0.109	0.073	0.083	98.631%
3	03:13:07	0.175	0.164	0.061	0.079	0.070	100.068%
x		0.155	0.172	0.090	0.083	0.082	98.730%
σ		0.019	0.009	0.025	0.013	0.012	1.292%
%RSD		12.400	5.081	27.750	15.280	15.090	1.309

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:18:57	80.152%	86.560	85.700	96.670	0.000	45610.000	53430.000	55380.000
2	03:19:39	81.389%	88.940	84.620	92.510	0.000	45460.000	53570.000	55880.000
3	03:20:22	80.688%	88.690	94.350	99.840	0.000	45750.000	53940.000	55910.000
x		80.743%	88.065%	88.222%	96.339%	0.000	91.220%	107.285%	111.451%
σ		0.620%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.768	1.485	6.047	3.818	0.000	0.318	0.493	0.535

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:18:57	521.800	4895.000	0.000	48180.000	46320.000	47970.000	69.294%	96.190
2	03:19:39	518.900	4891.000	0.000	48320.000	46610.000	48440.000	69.760%	98.650
3	03:20:22	522.000	4917.000	0.000	48630.000	47970.000	48440.000	69.920%	97.860
x		104.180%	98.026%	0.000	96.757%	93.934%	96.568%	69.658%	97.569%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.325%	n/a
%RSD		0.326	0.286	0.000	0.476	1.875	0.558	0.467	1.290

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:18:57	97.920	99.520	526.100	27340.000	25280.000	93.210	90.790	89.700
2	03:19:39	98.730	99.760	530.200	27440.000	25240.000	92.720	90.350	89.130
3	03:20:22	100.400	100.400	526.400	27490.000	25430.000	93.380	90.610	90.470
x		99.030%	99.885%	105.513%	109.698%	101.264%	93.103%	90.583%	89.764%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.297	0.441	0.433	0.283	0.412	0.369	0.241	0.750

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:18:57	89.980	101.300	96.920	101.100	96.270	106.500	0.000	105.900
2	03:19:39	89.650	100.600	99.140	98.130	93.810	103.200	0.000	104.300
3	03:20:22	91.240	100.500	100.600	99.510	94.170	101.000	0.000	103.400
x		90.291%	100.781%	98.873%	99.573%	94.750%	103.599%	0.000	104.531%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.927	0.417	1.860	1.485	1.399	2.662	0.000	1.201

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:18:57	69.011%	99.160	99.870	66.320%	100.400	98.000	103.900	100.100
2	03:19:39	71.052%	102.300	101.200	68.142%	99.380	97.750	102.500	100.900
3	03:20:22	71.197%	104.100	103.300	68.574%	98.360	98.110	102.000	101.000
x		70.420%	101.834%	101.451%	67.679%	99.371%	97.955%	102.811%	100.629%
σ		1.222%	n/a	n/a	1.196%	n/a	n/a	n/a	n/a
%RSD		1.735	2.440	1.717	1.767	1.013	0.191	0.989	0.473

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:18:57	72.287%	98.970	103.200	104.200	96.800	100.500	80.531%	81.543%
2	03:19:39	73.604%	100.500	103.700	105.000	96.540	100.900	82.696%	83.269%
3	03:20:22	73.943%	101.200	104.200	104.900	98.780	99.770	82.245%	82.564%
x		73.278%	100.226%	103.679%	104.696%	97.376%	100.386%	81.824%	82.459%
σ		0.875%	n/a	n/a	n/a	n/a	n/a	1.142%	0.868%
%RSD		1.194	1.156	0.507	0.424	1.260	0.580	1.396	1.052

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	03:18:57	93.420	94.710	95.490	95.550	95.240	87.371%
2	03:19:39	105.100	107.000	107.700	108.200	107.800	78.163%
3	03:20:22	95.490	96.500	96.620	97.550	97.120	86.803%
x		97.997%	99.395%	99.938%	100.444%	100.055%	84.112%
σ		n/a	n/a	n/a	n/a	n/a	5.160%
%RSD		6.349	6.663	6.747	6.788	6.780	6.135

CCB11 10/10/2012 3:25:31 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:26:14	104.700%	0.007	0.642	1.360	0.000	26.200	15.020	14.600
2	03:26:57	102.721%	0.030	1.262	0.759	0.000	35.260	18.470	19.910
3	03:27:40	101.768%	0.007	1.163	0.643	0.000	33.520	17.660	17.370
x		103.063%	0.015	1.022	0.921	0.000	31.660	17.050	17.290
σ		1.495%	0.013	0.333	0.385	0.000	4.810	1.804	2.655
%RSD		1.451	88.310	32.560	41.800	0.000	15.190	10.580	15.360

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:26:14	1.159	-0.378	0.000	-14.610	32.130	21.080	86.663%	0.259
2	03:26:57	1.894	-0.603	0.000	-17.620	13.530	24.440	87.921%	-0.124
3	03:27:40	1.703	-2.245	0.000	-18.620	21.210	19.260	86.665%	-0.160
x		1.585	-1.076	0.000	-16.950	22.290	21.590	87.083%	-0.008
σ		0.382	1.019	0.000	2.088	9.347	2.624	0.726%	0.232
%RSD		24.070	94.750	0.000	12.320	41.930	12.150	0.834	2778.000

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:26:14	-0.025	0.054	0.400	17.260	25.320	0.026	-0.823	-0.037
2	03:26:57	0.327	0.031	0.556	13.810	19.880	0.040	-0.828	-0.043
3	03:27:40	0.258	0.010	0.526	10.940	18.240	0.039	-0.863	-0.044
x		0.186	0.032	0.494	14.000	21.150	0.035	-0.838	-0.041
σ		0.187	0.022	0.083	3.165	3.706	0.008	0.022	0.004
%RSD		100.100	70.590	16.750	22.600	17.520	23.550	2.626	8.761

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:26:14	0.007	-0.067	-0.226	-1.049	-4.188	-5.769	0.000	0.143
2	03:26:57	-0.041	-0.098	-0.166	-1.691	-4.795	-5.519	0.000	0.156
3	03:27:40	0.020	-0.166	-0.200	-1.036	-4.965	-4.434	0.000	0.121
x		-0.005	-0.110	-0.197	-1.259	-4.649	-5.241	0.000	0.140
σ		0.032	0.051	0.030	0.375	0.408	0.710	0.000	0.018
%RSD		662.600	46.070	15.270	29.760	8.785	13.550	0.000	12.940

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:26:14	81.886%	0.778	0.766	83.700%	0.018	0.017	-0.003	0.026
2	03:26:57	82.699%	0.720	1.736	84.908%	0.024	0.020	0.123	0.114
3	03:27:40	82.222%	0.665	0.625	84.477%	0.041	0.030	-0.044	-0.053
x		82.269%	0.721	1.042	84.362%	0.027	0.023	0.025	0.029
σ		0.409%	0.057	0.605	0.612%	0.012	0.007	0.087	0.084
%RSD		0.497	7.863	58.040	0.726	44.120	29.580	347.500	291.500

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:26:14	85.442%	0.023	0.100	0.086	0.139	0.072	90.752%	91.378%
2	03:26:57	85.580%	0.058	0.113	0.090	0.017	0.134	91.447%	92.489%
3	03:27:40	84.971%	0.060	0.099	0.093	0.109	0.055	91.095%	91.215%
x		85.331%	0.047	0.104	0.090	0.088	0.087	91.098%	91.694%
σ		0.319%	0.021	0.008	0.003	0.063	0.041	0.347%	0.693%
%RSD		0.374	43.660	7.552	3.847	71.590	47.310	0.381	0.756

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	03:26:14	0.064	0.066	0.105	0.131	0.114	99.717%
2	03:26:57	0.056	0.065	0.059	0.074	0.073	100.413%
3	03:27:40	0.040	0.051	0.047	0.060	0.048	99.012%
x		0.053	0.061	0.070	0.088	0.078	99.714%
σ		0.012	0.008	0.031	0.037	0.033	0.700%
%RSD		22.920	13.530	43.410	42.450	42.170	0.702

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:30:35	107.969%	-0.015	6.857	7.927	0.000	1934.000	3609.000	3747.000
2	03:31:18	111.880%	0.026	5.028	7.052	0.000	1894.000	3638.000	3744.000
3	03:32:01	113.253%	0.005	5.275	6.498	0.000	1898.000	3619.000	3760.000
x		111.034%	0.006	5.720	7.159	0.000	1909.000	3622.000	3751.000
σ		2.742%	0.021	0.993	0.720	0.000	21.710	14.940	8.294
%RSD		2.469	370.200	17.350	10.060	0.000	1.137	0.413	0.221

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:30:35	74.570	4012.000	0.000	2406.000	9811.000	10570.000	80.031%	11.090
2	03:31:18	73.380	3991.000	0.000	2389.000	10070.000	10750.000	82.693%	12.670
3	03:32:01	71.740	3988.000	0.000	2353.000	9807.000	10650.000	84.888%	13.620
x		73.230	3997.000	0.000	2383.000	9895.000	10660.000	82.538%	12.460
σ		1.423	13.340	0.000	27.020	148.300	86.880	2.432%	1.277
%RSD		1.943	0.334	0.000	1.134	1.499	0.815	2.947	10.250

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:30:35	-1.282	7.241	162.800	309.400	328.300	2.046	0.197	5.355
2	03:31:18	1.097	7.331	161.300	307.200	313.000	1.923	0.081	5.315
3	03:32:01	2.897	7.753	160.400	302.800	309.400	1.806	0.055	5.318
x		0.904	7.442	161.500	306.500	316.900	1.925	0.111	5.329
σ		2.096	0.273	1.225	3.385	10.040	0.120	0.075	0.022
%RSD		231.800	3.673	0.758	1.104	3.169	6.243	68.140	0.419

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:30:35	5.475	63.970	63.930	-1.607	-6.315	-3.204	0.000	30.960
2	03:31:18	5.185	62.800	62.130	3.163	-7.079	-2.259	0.000	30.710
3	03:32:01	5.906	62.710	61.360	0.206	-7.172	-2.576	0.000	30.970
x		5.522	63.160	62.470	0.587	-6.855	-2.680	0.000	30.880
σ		0.363	0.702	1.319	2.408	0.470	0.481	0.000	0.144
%RSD		6.572	1.111	2.112	409.900	6.857	17.940	0.000	0.466

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:30:35	84.763%	0.968	0.899	72.657%	-0.001	0.018	0.151	0.168
2	03:31:18	87.933%	0.649	0.650	74.756%	0.012	0.004	0.202	0.160
3	03:32:01	88.807%	0.598	0.505	75.676%	0.008	-0.007	0.211	0.127
x		87.168%	0.738	0.685	74.363%	0.006	0.005	0.188	0.152
σ		2.128%	0.200	0.199	1.547%	0.007	0.013	0.033	0.022
%RSD		2.441	27.140	29.090	2.081	110.200	240.900	17.360	14.290

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:30:35	81.914%	3.769	0.360	0.386	19.440	19.350	91.629%	91.208%
2	03:31:18	83.422%	3.196	0.302	0.327	19.300	20.220	93.295%	93.414%
3	03:32:01	85.379%	3.125	0.229	0.275	19.480	19.890	93.224%	93.862%
x		83.572%	3.363	0.297	0.329	19.410	19.820	92.716%	92.828%
σ		1.737%	0.353	0.066	0.056	0.094	0.438	0.942%	1.421%
%RSD		2.079	10.500	22.210	16.860	0.486	2.212	1.016	1.530

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	03:30:35	0.254	0.267	0.289	0.321	0.267	95.161%
2	03:31:18	0.193	0.178	0.234	0.253	0.235	98.145%
3	03:32:01	0.146	0.132	0.224	0.234	0.229	98.098%
x		0.198	0.192	0.249	0.269	0.244	97.135%
σ		0.054	0.069	0.035	0.046	0.021	1.709%
%RSD		27.430	35.680	14.010	17.050	8.425	1.760

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:34:55	109.196%	-0.015	8.102	8.311	0.000	1921.000	3813.000	3953.000
2	03:35:38	111.163%	0.068	7.934	7.393	0.000	1868.000	3827.000	3976.000
3	03:36:21	115.788%	0.065	5.364	6.324	0.000	1931.000	3802.000	3935.000
x		112.049%	0.039	7.133	7.342	0.000	1907.000	3814.000	3955.000
σ		3.384%	0.047	1.535	0.994	0.000	33.610	12.830	20.460
%RSD		3.020	119.800	21.520	13.540	0.000	1.763	0.336	0.517

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:34:55	76.350	4023.000	0.000	2478.000	10270.000	11350.000	83.649%	11.150
2	03:35:38	74.310	4012.000	0.000	2470.000	10400.000	11450.000	85.851%	9.789
3	03:36:21	73.610	4006.000	0.000	2490.000	10710.000	11560.000	85.936%	11.530
x		74.760	4013.000	0.000	2479.000	10460.000	11450.000	85.145%	10.830
σ		1.426	8.728	0.000	10.080	225.700	103.400	1.296%	0.917
%RSD		1.907	0.218	0.000	0.406	2.158	0.903	1.523	8.473

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:34:55	-1.778	7.092	170.800	294.700	292.500	1.968	-0.106	5.743
2	03:35:38	-1.933	7.430	170.400	292.900	292.400	1.936	-0.043	5.606
3	03:36:21	1.088	7.560	169.600	295.500	293.200	1.859	-0.004	5.970
x		-0.875	7.361	170.200	294.300	292.700	1.921	-0.051	5.773
σ		1.701	0.242	0.608	1.326	0.419	0.056	0.051	0.184
%RSD		194.500	3.282	0.357	0.451	0.143	2.907	100.900	3.187

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:34:55	5.911	67.990	69.420	2.814	-6.773	-2.372	0.000	32.920
2	03:35:38	5.752	67.570	66.500	2.396	-6.739	-3.386	0.000	32.770
3	03:36:21	5.563	67.610	68.360	0.669	-6.714	-3.459	0.000	33.180
x		5.742	67.720	68.090	1.960	-6.742	-3.073	0.000	32.950
σ		0.174	0.235	1.478	1.137	0.030	0.608	0.000	0.207
%RSD		3.034	0.347	2.170	58.010	0.440	19.780	0.000	0.629

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:34:55	87.772%	0.378	0.344	75.277%	0.008	0.000	0.191	0.126
2	03:35:38	89.925%	0.425	0.418	76.159%	0.008	0.002	0.095	0.122
3	03:36:21	90.719%	0.341	0.332	76.808%	0.001	-0.003	0.209	0.157
x		89.472%	0.381	0.364	76.081%	0.006	-0.000	0.165	0.135
σ		1.525%	0.042	0.047	0.769%	0.004	0.003	0.061	0.019
%RSD		1.704	11.060	12.800	1.010	68.250	708.200	36.940	14.130

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:34:55	83.746%	2.548	0.237	0.180	20.510	20.990	94.504%	93.611%
2	03:35:38	85.734%	2.325	0.175	0.214	21.220	21.330	95.655%	96.610%
3	03:36:21	86.499%	2.346	0.195	0.193	20.820	20.800	94.762%	96.152%
x		85.327%	2.406	0.203	0.196	20.850	21.040	94.974%	95.458%
σ		1.421%	0.123	0.032	0.017	0.356	0.270	0.604%	1.615%
%RSD		1.666	5.109	15.660	8.644	1.710	1.285	0.636	1.692

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	03:34:55	0.082	0.091	0.299	0.303	0.278	97.749%
2	03:35:38	0.066	0.072	0.268	0.267	0.249	99.583%
3	03:36:21	0.041	0.059	0.251	0.216	0.225	100.447%
x		0.063	0.074	0.273	0.262	0.250	99.260%
σ		0.021	0.016	0.024	0.043	0.026	1.378%
%RSD		33.190	21.730	8.965	16.580	10.510	1.388

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:39:15	110.396%	-0.015	6.008	6.752	0.000	1905.000	3842.000	3953.000
2	03:39:58	112.460%	0.006	5.438	5.848	0.000	2168.000	3833.000	3936.000
3	03:40:41	109.600%	0.048	7.156	7.162	0.000	2224.000	3880.000	4013.000
x		110.818%	0.013	6.201	6.587	0.000	2099.000	3852.000	3967.000
σ		1.476%	0.032	0.875	0.672	0.000	170.200	24.660	40.590
%RSD		1.332	249.800	14.110	10.210	0.000	8.110	0.640	1.023

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:39:15	119.600	4011.000	0.000	2594.000	10730.000	11670.000	81.933%	9.102
2	03:39:58	120.900	4009.000	0.000	2593.000	10820.000	11650.000	83.446%	10.190
3	03:40:41	118.800	4069.000	0.000	2593.000	10770.000	11610.000	84.475%	9.639
x		119.800	4030.000	0.000	2593.000	10780.000	11640.000	83.284%	9.645
σ		1.076	34.070	0.000	0.491	42.440	30.900	1.279%	0.546
%RSD		0.898	0.846	0.000	0.019	0.394	0.265	1.535	5.659

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:39:15	3.660	6.969	160.700	296.100	307.900	2.045	0.201	5.935
2	03:39:58	-1.037	7.252	159.700	294.300	301.000	1.835	0.144	5.899
3	03:40:41	-1.941	6.938	159.100	293.000	301.600	2.024	0.034	5.843
x		0.227	7.053	159.800	294.500	303.500	1.968	0.126	5.892
σ		3.007	0.173	0.823	1.549	3.833	0.116	0.085	0.046
%RSD		1322.000	2.456	0.515	0.526	1.263	5.884	67.200	0.784

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:39:15	5.863	72.530	72.460	4.284	-7.009	-3.977	0.000	33.700
2	03:39:58	6.150	72.670	70.540	1.555	-6.839	-2.710	0.000	33.800
3	03:40:41	5.894	70.880	71.190	8.489	-7.216	-3.022	0.000	34.230
x		5.969	72.020	71.400	4.776	-7.021	-3.237	0.000	33.910
σ		0.157	0.998	0.978	3.493	0.189	0.660	0.000	0.278
%RSD		2.632	1.386	1.370	73.140	2.692	20.400	0.000	0.821

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:39:15	87.156%	0.376	0.378	74.600%	-0.002	-0.005	0.225	0.226
2	03:39:58	88.252%	0.316	0.351	75.798%	0.003	-0.005	0.129	0.134
3	03:40:41	89.111%	0.249	0.304	75.727%	-0.005	-0.003	0.146	0.146
x		88.173%	0.313	0.344	75.375%	-0.001	-0.004	0.167	0.169
σ		0.980%	0.064	0.037	0.672%	0.004	0.001	0.051	0.050
%RSD		1.111	20.290	10.890	0.891	335.100	22.530	30.520	29.530

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:39:15	83.102%	2.039	0.165	0.182	21.530	22.090	92.903%	92.647%
2	03:39:58	85.202%	2.076	0.204	0.188	21.190	22.250	94.166%	94.351%
3	03:40:41	84.731%	2.147	0.184	0.233	21.310	22.960	95.498%	95.427%
x		84.345%	2.087	0.184	0.201	21.340	22.430	94.189%	94.142%
σ		1.102%	0.055	0.019	0.028	0.172	0.462	1.298%	1.402%
%RSD		1.306	2.625	10.560	13.930	0.806	2.060	1.378	1.489

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	03:39:15	0.046	0.059	0.234	0.271	0.249	96.459%
2	03:39:58	0.052	0.052	0.267	0.262	0.241	97.622%
3	03:40:41	0.037	0.053	0.215	0.233	0.228	99.241%
x		0.045	0.055	0.238	0.255	0.239	97.774%
σ		0.008	0.004	0.026	0.020	0.011	1.397%
%RSD		17.490	6.916	11.040	7.724	4.529	1.429

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:43:36	111.675%	0.006	7.608	7.115	0.000	2264.000	3273.000	3365.000
2	03:44:19	109.675%	0.006	6.804	7.147	0.000	2291.000	3326.000	3418.000
3	03:45:02	112.138%	0.006	6.098	6.920	0.000	2289.000	3330.000	3431.000
x		111.162%	0.006	6.837	7.061	0.000	2281.000	3310.000	3405.000
σ		1.308%	0.000	0.755	0.123	0.000	15.210	31.770	34.790
%RSD		1.177	3.749	11.050	1.745	0.000	0.666	0.960	1.022

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:43:36	86.160	3830.000	0.000	2796.000	9741.000	10290.000	82.640%	10.890
2	03:44:19	88.160	3841.000	0.000	2762.000	9837.000	10260.000	85.133%	10.340
3	03:45:02	87.210	3843.000	0.000	2778.000	10060.000	10340.000	85.506%	11.450
x		87.180	3838.000	0.000	2779.000	9879.000	10300.000	84.427%	10.890
σ		0.998	6.698	0.000	17.040	163.900	36.600	1.558%	0.554
%RSD		1.144	0.174	0.000	0.613	1.659	0.355	1.845	5.083

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:43:36	4.022	7.612	131.100	286.700	289.100	1.629	-0.075	6.498
2	03:44:19	1.889	7.585	130.300	281.900	283.200	1.656	-0.064	6.385
3	03:45:02	3.355	7.683	130.000	280.800	280.400	1.736	-0.134	6.427
x		3.089	7.627	130.500	283.100	284.300	1.674	-0.091	6.437
σ		1.091	0.051	0.571	3.171	4.446	0.055	0.037	0.057
%RSD		35.330	0.667	0.438	1.120	1.564	3.311	41.090	0.889

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:43:36	6.920	52.370	52.340	0.198	-6.979	-1.840	0.000	30.000
2	03:44:19	6.162	53.860	53.310	2.688	-6.794	-2.658	0.000	30.680
3	03:45:02	6.277	54.470	54.270	3.348	-6.715	-3.215	0.000	29.640
x		6.453	53.570	53.300	2.078	-6.829	-2.571	0.000	30.110
σ		0.408	1.080	0.964	1.661	0.136	0.691	0.000	0.529
%RSD		6.330	2.016	1.809	79.930	1.986	26.890	0.000	1.758

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:43:36	87.647%	0.269	0.376	74.804%	0.010	-0.003	0.077	0.150
2	03:44:19	88.467%	0.243	0.259	76.409%	-0.002	0.004	0.200	0.161
3	03:45:02	88.752%	0.215	0.304	76.771%	-0.007	0.002	0.115	0.106
x		88.289%	0.243	0.313	75.995%	0.000	0.001	0.131	0.139
σ		0.574%	0.027	0.059	1.047%	0.009	0.003	0.063	0.029
%RSD		0.650	11.190	18.840	1.378	2224.000	471.600	48.090	20.860

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:43:36	83.972%	2.019	0.200	0.173	19.470	21.650	93.443%	93.808%
2	03:44:19	85.360%	2.046	0.209	0.193	20.230	20.700	95.455%	95.769%
3	03:45:02	86.503%	1.980	0.225	0.218	20.010	20.660	94.900%	95.915%
x		85.278%	2.015	0.211	0.195	19.910	21.000	94.599%	95.164%
σ		1.268%	0.033	0.013	0.023	0.394	0.560	1.039%	1.177%
%RSD		1.486	1.658	5.956	11.550	1.982	2.667	1.098	1.236

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	03:43:36	0.026	0.047	0.238	0.253	0.256	98.692%
2	03:44:19	0.035	0.039	0.185	0.251	0.216	100.018%
3	03:45:02	0.025	0.036	0.206	0.227	0.217	101.059%
x		0.029	0.040	0.210	0.243	0.230	99.923%
σ		0.006	0.006	0.027	0.014	0.023	1.186%
%RSD		19.520	13.640	12.870	5.857	10.020	1.187

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:47:57	110.767%	0.006	6.310	8.208	0.000	1835.000	3061.000	3139.000
2	03:48:41	111.180%	0.006	6.047	6.962	0.000	1876.000	2966.000	3150.000
3	03:49:23	111.162%	0.006	4.817	6.813	0.000	1881.000	3055.000	3145.000
x		111.036%	0.006	5.725	7.328	0.000	1864.000	3028.000	3144.000
σ		0.233%	0.000	0.797	0.766	0.000	25.590	53.300	5.334
%RSD		0.210	1.054	13.920	10.450	0.000	1.373	1.761	0.170

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:47:57	108.000	3799.000	0.000	2737.000	8729.000	9516.000	83.272%	11.680
2	03:48:41	104.600	3773.000	0.000	2725.000	8875.000	9415.000	84.758%	11.200
3	03:49:23	108.000	3799.000	0.000	2717.000	8615.000	9397.000	84.826%	12.350
x		106.900	3790.000	0.000	2726.000	8740.000	9443.000	84.286%	11.740
σ		1.971	15.480	0.000	10.340	130.300	64.300	0.878%	0.577
%RSD		1.845	0.408	0.000	0.379	1.491	0.681	1.042	4.916

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:47:57	1.334	8.119	132.200	331.000	328.600	1.953	0.104	5.876
2	03:48:41	-0.063	7.596	131.000	326.300	319.900	1.908	-0.039	5.497
3	03:49:23	-0.578	8.012	132.700	327.400	325.900	1.964	0.015	5.503
x		0.231	7.909	132.000	328.200	324.800	1.941	0.027	5.626
σ		0.989	0.276	0.886	2.498	4.484	0.030	0.072	0.217
%RSD		428.300	3.492	0.671	0.761	1.381	1.533	269.500	3.860

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:47:57	5.512	45.770	46.000	2.934	-7.092	-2.233	0.000	27.780
2	03:48:41	5.627	44.900	46.700	2.068	-6.595	-2.735	0.000	28.100
3	03:49:23	5.867	46.430	45.800	1.277	-6.516	-2.297	0.000	28.200
x		5.668	45.700	46.170	2.093	-6.734	-2.422	0.000	28.030
σ		0.181	0.769	0.472	0.829	0.312	0.273	0.000	0.224
%RSD		3.198	1.682	1.023	39.600	4.639	11.280	0.000	0.798

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:47:57	87.544%	0.236	0.362	74.999%	0.002	0.005	0.078	0.031
2	03:48:41	88.928%	0.336	0.307	75.795%	-0.005	0.000	0.033	0.048
3	03:49:23	89.551%	0.269	0.235	76.349%	-0.009	-0.001	-0.035	0.001
x		88.675%	0.280	0.301	75.715%	-0.004	0.001	0.025	0.027
σ		1.027%	0.051	0.064	0.679%	0.005	0.004	0.057	0.024
%RSD		1.158	18.180	21.160	0.897	127.200	259.800	223.700	88.170

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:47:57	84.857%	1.885	0.218	0.144	18.900	19.510	93.328%	93.291%
2	03:48:41	85.092%	1.819	0.162	0.209	20.190	19.520	95.017%	95.117%
3	03:49:23	84.282%	1.720	0.158	0.202	20.110	20.130	95.204%	95.377%
x		84.744%	1.808	0.179	0.185	19.730	19.720	94.516%	94.595%
σ		0.417%	0.083	0.034	0.036	0.721	0.355	1.033%	1.136%
%RSD		0.492	4.588	18.690	19.320	3.656	1.799	1.093	1.201

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	03:47:57	0.022	0.041	0.220	0.246	0.233	98.441%
2	03:48:41	0.042	0.036	0.234	0.210	0.223	100.023%
3	03:49:23	0.027	0.028	0.208	0.224	0.201	99.424%
x		0.030	0.035	0.221	0.226	0.219	99.296%
σ		0.010	0.007	0.013	0.018	0.016	0.799%
%RSD		34.360	19.330	5.953	7.980	7.391	0.805

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:52:19	108.510%	-0.015	5.429	8.019	0.000	1830.000	2908.000	2990.000
2	03:53:02	109.334%	-0.015	5.943	7.560	0.000	1842.000	2936.000	3028.000
3	03:53:45	109.978%	0.006	6.799	6.118	0.000	1841.000	2951.000	3057.000
x		109.274%	-0.008	6.057	7.232	0.000	1837.000	2932.000	3025.000
σ		0.736%	0.012	0.692	0.992	0.000	6.576	21.780	33.700
%RSD		0.673	151.100	11.420	13.720	0.000	0.358	0.743	1.114

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:52:19	84.320	3881.000	0.000	2719.000	8880.000	8970.000	81.353%	8.000
2	03:53:02	83.520	3864.000	0.000	2723.000	8454.000	8956.000	82.716%	9.409
3	03:53:45	86.250	3866.000	0.000	2712.000	8706.000	8986.000	84.018%	9.578
x		84.700	3870.000	0.000	2718.000	8680.000	8971.000	82.696%	8.996
σ		1.406	9.204	0.000	5.710	214.100	15.140	1.333%	0.866
%RSD		1.660	0.238	0.000	0.210	2.466	0.169	1.612	9.631

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:52:19	0.731	7.119	145.800	325.600	319.900	0.812	-0.056	5.463
2	03:53:02	-0.169	7.145	143.200	319.400	317.000	0.731	-0.090	5.134
3	03:53:45	-2.084	6.760	142.900	317.900	316.800	0.729	-0.161	5.122
x		-0.507	7.008	144.000	321.000	317.900	0.758	-0.102	5.240
σ		1.437	0.215	1.623	4.086	1.728	0.047	0.054	0.193
%RSD		283.300	3.071	1.127	1.273	0.543	6.264	52.530	3.689

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:52:19	5.524	45.710	43.250	-0.152	-6.768	-1.756	0.000	26.640
2	03:53:02	4.967	45.830	45.700	3.387	-6.790	-1.863	0.000	26.820
3	03:53:45	5.476	44.400	45.650	-0.793	-6.886	0.223	0.000	26.980
x		5.322	45.310	44.870	0.814	-6.814	-1.132	0.000	26.810
σ		0.309	0.796	1.399	2.251	0.063	1.174	0.000	0.169
%RSD		5.802	1.756	3.117	276.600	0.922	103.700	0.000	0.631

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:52:19	86.080%	0.262	0.242	74.584%	-0.009	-0.005	0.001	0.042
2	03:53:02	88.044%	0.295	0.266	75.256%	-0.005	-0.001	0.166	0.148
3	03:53:45	88.248%	0.179	0.291	75.894%	-0.002	-0.005	0.107	0.121
x		87.457%	0.245	0.266	75.245%	-0.005	-0.004	0.091	0.103
σ		1.197%	0.060	0.024	0.655%	0.003	0.002	0.084	0.055
%RSD		1.368	24.410	9.074	0.871	63.650	53.690	91.650	53.390

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:52:19	82.581%	1.605	0.298	0.343	18.900	19.440	92.801%	93.245%
2	03:53:02	83.993%	1.320	0.287	0.300	19.550	19.350	94.645%	94.437%
3	03:53:45	84.987%	1.524	0.331	0.362	19.340	19.610	95.292%	95.736%
x		83.853%	1.483	0.305	0.335	19.260	19.470	94.246%	94.472%
σ		1.209%	0.147	0.023	0.032	0.331	0.131	1.293%	1.246%
%RSD		1.442	9.889	7.379	9.531	1.719	0.672	1.372	1.319

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	03:52:19	0.022	0.021	0.255	0.233	0.225	96.634%
2	03:53:02	0.007	0.021	0.224	0.210	0.226	98.801%
3	03:53:45	0.015	0.039	0.201	0.233	0.206	99.147%
x		0.015	0.027	0.227	0.225	0.219	98.194%
σ		0.007	0.010	0.027	0.013	0.011	1.362%
%RSD		49.930	38.700	11.860	5.803	5.119	1.387

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:56:41	110.374%	-0.015	7.470	8.097	0.000	1840.000	2996.000	3124.000
2	03:57:24	108.608%	-0.015	6.665	7.246	0.000	1825.000	3063.000	3179.000
3	03:58:07	111.608%	0.027	5.370	7.133	0.000	1803.000	3020.000	3099.000
x		110.197%	-0.001	6.502	7.492	0.000	1823.000	3027.000	3134.000
σ		1.508%	0.024	1.060	0.527	0.000	18.940	34.060	40.870
%RSD		1.368	2003.000	16.300	7.037	0.000	1.039	1.126	1.304

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:56:41	100.800	4046.000	0.000	2745.000	8738.000	9141.000	82.555%	9.985
2	03:57:24	104.500	4097.000	0.000	2717.000	8656.000	9147.000	83.082%	10.820
3	03:58:07	104.000	4027.000	0.000	2684.000	8376.000	9119.000	83.288%	9.463
x		103.100	4057.000	0.000	2715.000	8590.000	9135.000	82.975%	10.090
σ		1.962	36.290	0.000	30.660	189.700	14.760	0.378%	0.686
%RSD		1.903	0.894	0.000	1.129	2.208	0.162	0.455	6.803

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:56:41	4.183	7.385	153.600	364.400	360.500	1.917	-0.059	5.391
2	03:57:24	0.643	7.423	154.800	363.300	357.000	2.039	-0.045	5.599
3	03:58:07	2.949	7.376	154.200	364.500	358.500	2.060	0.238	5.639
x		2.592	7.395	154.200	364.000	358.700	2.005	0.045	5.543
σ		1.797	0.025	0.596	0.667	1.738	0.077	0.168	0.133
%RSD		69.340	0.332	0.386	0.183	0.485	3.859	374.900	2.407

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:56:41	6.042	49.320	49.820	1.466	-6.449	-0.256	0.000	27.150
2	03:57:24	5.428	49.170	46.950	0.911	-6.636	-3.104	0.000	26.990
3	03:58:07	5.853	48.200	48.640	-0.337	-6.582	-2.130	0.000	27.300
x		5.774	48.900	48.470	0.680	-6.556	-1.830	0.000	27.150
σ		0.314	0.608	1.443	0.923	0.096	1.448	0.000	0.156
%RSD		5.445	1.243	2.977	135.700	1.468	79.120	0.000	0.575

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:56:41	87.923%	0.341	0.265	74.504%	-0.002	0.000	0.170	0.128
2	03:57:24	89.384%	0.293	0.184	75.252%	-0.000	0.002	0.103	0.043
3	03:58:07	88.251%	0.235	0.259	75.195%	0.003	-0.003	0.101	0.084
x		88.519%	0.289	0.236	74.984%	0.001	-0.000	0.125	0.085
σ		0.767%	0.053	0.045	0.416%	0.003	0.003	0.040	0.043
%RSD		0.866	18.420	19.120	0.555	496.500	1151.000	31.710	50.250

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:56:41	83.452%	1.586	0.171	0.162	19.810	20.080	92.859%	92.960%
2	03:57:24	84.026%	1.433	0.183	0.193	20.480	19.770	94.018%	94.918%
3	03:58:07	84.052%	1.553	0.174	0.178	19.760	19.390	93.498%	94.258%
x		83.844%	1.524	0.176	0.177	20.020	19.750	93.458%	94.045%
σ		0.339%	0.081	0.006	0.015	0.401	0.347	0.581%	0.997%
%RSD		0.405	5.306	3.501	8.698	2.003	1.758	0.621	1.060

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	03:56:41	0.041	0.036	0.324	0.309	0.298	97.922%
2	03:57:24	0.022	0.022	0.345	0.304	0.327	99.030%
3	03:58:07	0.016	0.027	0.297	0.312	0.288	99.209%
x		0.026	0.028	0.322	0.308	0.304	98.720%
σ		0.013	0.007	0.024	0.004	0.020	0.697%
%RSD		49.230	24.220	7.562	1.155	6.617	0.706

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:01:03	107.577%	-0.015	6.863	7.439	0.000	1801.000	3065.000	3202.000
2	04:01:46	106.032%	0.050	5.668	7.585	0.000	1794.000	3094.000	3221.000
3	04:02:29	107.715%	-0.015	4.073	7.156	0.000	1769.000	3114.000	3222.000
x		107.108%	0.007	5.535	7.393	0.000	1788.000	3091.000	3215.000
σ		0.934%	0.038	1.400	0.218	0.000	17.130	25.130	11.310
%RSD		0.872	559.700	25.290	2.953	0.000	0.958	0.813	0.352

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:01:03	100.100	4005.000	0.000	2826.000	8524.000	9131.000	81.532%	9.751
2	04:01:46	99.540	4030.000	0.000	2841.000	8974.000	9267.000	81.971%	8.896
3	04:02:29	102.600	4017.000	0.000	2845.000	8776.000	9288.000	82.647%	8.461
x		100.800	4017.000	0.000	2837.000	8758.000	9229.000	82.050%	9.036
σ		1.636	12.370	0.000	10.010	225.700	85.290	0.561%	0.657
%RSD		1.624	0.308	0.000	0.353	2.578	0.924	0.684	7.267

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:01:03	2.503	6.795	154.500	356.500	359.200	2.116	0.170	5.476
2	04:01:46	0.998	6.630	155.300	358.200	355.300	2.247	0.125	5.424
3	04:02:29	3.551	6.809	154.500	357.100	360.500	2.228	0.208	5.549
x		2.350	6.745	154.800	357.300	358.300	2.197	0.168	5.483
σ		1.283	0.100	0.447	0.854	2.689	0.071	0.042	0.063
%RSD		54.600	1.477	0.289	0.239	0.750	3.214	24.820	1.144

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:01:03	5.569	50.400	49.230	-0.290	-6.501	-3.265	0.000	27.270
2	04:01:46	5.526	49.740	52.100	-0.571	-6.439	-2.660	0.000	27.370
3	04:02:29	5.300	50.650	50.570	-1.193	-6.828	-2.561	0.000	26.990
x		5.465	50.260	50.630	-0.685	-6.589	-2.829	0.000	27.210
σ		0.144	0.468	1.437	0.462	0.209	0.381	0.000	0.196
%RSD		2.644	0.930	2.839	67.510	3.174	13.470	0.000	0.719

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:01:03	86.768%	0.222	0.226	74.252%	-0.005	0.000	0.008	0.027
2	04:01:46	87.452%	0.226	0.197	74.544%	-0.007	-0.001	0.089	0.019
3	04:02:29	88.775%	0.218	0.172	74.818%	0.002	-0.005	0.197	0.110
x		87.665%	0.222	0.198	74.538%	-0.003	-0.002	0.098	0.052
σ		1.021%	0.004	0.027	0.283%	0.004	0.003	0.095	0.050
%RSD		1.164	1.787	13.600	0.380	131.600	142.300	96.690	96.560

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:01:03	82.286%	1.334	0.168	0.173	20.290	19.420	92.766%	92.721%
2	04:01:46	83.899%	1.148	0.160	0.135	19.610	20.300	93.504%	94.147%
3	04:02:29	84.073%	1.319	0.137	0.167	20.330	19.660	94.081%	94.347%
x		83.419%	1.267	0.155	0.158	20.080	19.790	93.450%	93.738%
σ		0.986%	0.103	0.016	0.020	0.402	0.459	0.659%	0.887%
%RSD		1.182	8.168	10.360	12.900	2.002	2.317	0.705	0.946

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	04:01:03	0.029	0.016	0.297	0.274	0.270	96.769%
2	04:01:46	0.016	0.024	0.255	0.226	0.231	98.275%
3	04:02:29	0.020	0.024	0.224	0.250	0.229	98.984%
x		0.022	0.021	0.259	0.250	0.243	98.009%
σ		0.007	0.005	0.037	0.024	0.023	1.131%
%RSD		30.260	22.050	14.110	9.623	9.428	1.154

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:05:26	111.233%	-0.015	7.749	7.016	0.000	1851.000	3316.000	3420.000
2	04:06:09	110.953%	0.069	5.518	7.803	0.000	1858.000	3362.000	3472.000
3	04:06:52	111.487%	0.047	5.153	7.017	0.000	1774.000	3347.000	3477.000
x		111.224%	0.034	6.140	7.279	0.000	1828.000	3342.000	3456.000
σ		0.267%	0.043	1.405	0.454	0.000	46.530	23.500	31.290
%RSD		0.240	129.300	22.890	6.239	0.000	2.546	0.703	0.905

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:05:26	110.300	4021.000	0.000	2968.000	9624.000	9808.000	82.679%	9.691
2	04:06:09	109.700	4074.000	0.000	3030.000	9270.000	9957.000	82.852%	10.340
3	04:06:52	109.500	4061.000	0.000	3035.000	9141.000	9923.000	83.221%	9.347
x		109.800	4052.000	0.000	3011.000	9345.000	9896.000	82.917%	9.793
σ		0.426	27.510	0.000	37.350	249.600	78.030	0.277%	0.506
%RSD		0.388	0.679	0.000	1.240	2.671	0.788	0.334	5.164

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:05:26	2.994	8.086	158.700	377.100	373.800	2.142	0.019	5.795
2	04:06:09	-0.393	7.880	159.600	377.500	372.100	2.088	0.195	5.916
3	04:06:52	-0.149	8.030	159.100	376.700	373.400	2.082	-0.004	5.808
x		0.817	7.999	159.100	377.100	373.100	2.104	0.070	5.840
σ		1.889	0.107	0.458	0.383	0.909	0.033	0.108	0.067
%RSD		231.100	1.331	0.288	0.102	0.244	1.579	154.700	1.142

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:05:26	5.982	54.050	54.500	0.001	-7.188	-4.328	0.000	28.620
2	04:06:09	6.261	54.610	56.240	-0.659	-7.048	-2.295	0.000	28.940
3	04:06:52	6.128	55.270	54.750	1.283	-6.815	-2.756	0.000	29.400
x		6.123	54.640	55.170	0.208	-7.017	-3.127	0.000	28.990
σ		0.140	0.607	0.940	0.988	0.189	1.066	0.000	0.392
%RSD		2.280	1.111	1.704	473.800	2.686	34.090	0.000	1.351

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:05:26	88.240%	0.203	0.245	74.116%	0.002	0.000	0.176	0.204
2	04:06:09	88.608%	0.274	0.234	74.333%	-0.010	0.006	0.136	0.113
3	04:06:52	89.463%	0.194	0.271	75.473%	-0.005	0.002	0.064	0.075
x		88.770%	0.224	0.250	74.641%	-0.005	0.003	0.125	0.131
σ		0.627%	0.044	0.019	0.729%	0.006	0.003	0.057	0.066
%RSD		0.707	19.510	7.541	0.976	133.300	98.440	45.660	50.670

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:05:26	83.098%	1.663	0.238	0.202	20.100	21.050	93.050%	93.429%
2	04:06:09	83.980%	1.756	0.193	0.186	20.840	20.510	93.577%	95.036%
3	04:06:52	84.444%	1.485	0.167	0.178	21.080	21.110	95.028%	93.672%
x		83.841%	1.635	0.199	0.189	20.670	20.890	93.885%	94.046%
σ		0.684%	0.138	0.036	0.012	0.511	0.331	1.025%	0.867%
%RSD		0.816	8.438	18.180	6.216	2.471	1.583	1.091	0.921

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	04:05:26	0.020	0.030	0.271	0.303	0.268	98.071%
2	04:06:09	0.012	0.020	0.268	0.252	0.258	97.591%
3	04:06:52	0.010	0.022	0.261	0.279	0.265	99.508%
x		0.014	0.024	0.267	0.278	0.264	98.390%
σ		0.006	0.006	0.005	0.026	0.005	0.997%
%RSD		39.560	23.650	2.054	9.219	1.819	1.014

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:09:48	111.172%	0.027	5.621	6.745	0.000	1839.000	3418.000	3535.000
2	04:10:31	110.902%	0.069	7.870	7.170	0.000	1869.000	3454.000	3588.000
3	04:11:14	112.971%	0.047	6.836	7.301	0.000	1844.000	3470.000	3578.000
x		111.682%	0.047	6.776	7.072	0.000	1851.000	3447.000	3567.000
σ		1.125%	0.021	1.126	0.291	0.000	16.080	26.620	27.910
%RSD		1.007	44.290	16.620	4.113	0.000	0.869	0.772	0.782

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:09:48	102.700	4059.000	0.000	2952.000	9431.000	10170.000	82.729%	9.131
2	04:10:31	104.000	4067.000	0.000	3054.000	9840.000	10180.000	83.631%	10.520
3	04:11:14	101.100	4027.000	0.000	3019.000	9428.000	10180.000	84.578%	10.940
x		102.600	4051.000	0.000	3008.000	9567.000	10180.000	83.646%	10.200
σ		1.473	21.300	0.000	52.130	236.800	6.778	0.924%	0.947
%RSD		1.435	0.526	0.000	1.733	2.475	0.067	1.105	9.285

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:09:48	2.897	7.642	160.700	374.500	371.000	2.186	0.222	6.103
2	04:10:31	-0.357	7.578	159.900	373.800	369.400	2.224	-0.087	5.889
3	04:11:14	2.989	7.496	160.000	370.400	370.200	2.134	0.023	5.944
x		1.843	7.572	160.200	372.900	370.200	2.181	0.053	5.979
σ		1.906	0.073	0.396	2.199	0.815	0.045	0.157	0.111
%RSD		103.400	0.968	0.247	0.590	0.220	2.060	296.100	1.857

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:09:48	6.075	55.680	57.750	3.820	-6.892	-2.010	0.000	29.150
2	04:10:31	5.894	58.710	55.390	0.642	-7.086	-3.603	0.000	29.600
3	04:11:14	5.422	57.160	56.790	3.381	-6.813	-3.755	0.000	29.600
x		5.797	57.180	56.640	2.614	-6.930	-3.123	0.000	29.450
σ		0.337	1.519	1.186	1.722	0.140	0.967	0.000	0.258
%RSD		5.817	2.657	2.093	65.880	2.026	30.970	0.000	0.875

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:09:48	87.896%	0.293	0.247	73.603%	-0.005	0.006	0.139	0.153
2	04:10:31	89.827%	0.188	0.220	75.609%	-0.000	-0.005	-0.025	0.056
3	04:11:14	90.357%	0.230	0.195	75.869%	-0.000	0.000	0.095	0.076
x		89.360%	0.237	0.221	75.027%	-0.002	0.000	0.069	0.095
σ		1.295%	0.053	0.026	1.240%	0.003	0.005	0.085	0.051
%RSD		1.450	22.320	11.620	1.652	152.400	1555.000	122.200	54.110

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:09:48	83.061%	1.595	0.156	0.180	20.310	21.570	93.599%	93.269%
2	04:10:31	85.125%	1.480	0.180	0.236	19.970	21.440	95.481%	96.202%
3	04:11:14	85.712%	1.468	0.203	0.138	20.750	21.620	96.214%	96.193%
x		84.632%	1.514	0.180	0.185	20.340	21.540	95.098%	95.221%
σ		1.392%	0.070	0.024	0.050	0.390	0.093	1.349%	1.691%
%RSD		1.645	4.618	13.170	26.900	1.916	0.432	1.419	1.775

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	04:09:48	0.018	0.024	0.279	0.270	0.263	98.940%
2	04:10:31	0.023	0.022	0.261	0.235	0.243	98.394%
3	04:11:14	0.024	0.019	0.230	0.261	0.235	101.315%
x		0.022	0.021	0.257	0.255	0.247	99.550%
σ		0.003	0.002	0.025	0.018	0.015	1.553%
%RSD		14.530	11.190	9.768	7.009	5.899	1.560

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:17:04	82.596%	87.340	91.320	94.640	0.000	45630.000	52780.000	54770.000
2	04:17:47	84.111%	85.830	84.710	93.150	0.000	45210.000	52700.000	55030.000
3	04:18:30	83.313%	87.130	95.780	98.240	0.000	45910.000	52790.000	54800.000
x		83.340%	86.768%	90.602%	95.345%	0.000	91.158%	105.517%	109.740%
σ		0.758%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.909	0.945	6.150	2.746	0.000	0.773	0.100	0.261

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:17:04	512.800	4850.000	0.000	48450.000	47490.000	47320.000	70.218%	97.840
2	04:17:47	510.400	4834.000	0.000	48410.000	47340.000	47900.000	70.466%	97.760
3	04:18:30	514.800	4877.000	0.000	49130.000	46750.000	48010.000	70.204%	96.920
x		102.530%	97.074%	0.000	97.328%	94.388%	95.485%	70.296%	97.508%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.147%	n/a
%RSD		0.432	0.456	0.000	0.837	0.825	0.770	0.210	0.522

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:17:04	97.910	99.440	518.600	27310.000	25230.000	94.120	89.490	91.530
2	04:17:47	97.320	99.780	527.900	27480.000	25330.000	93.980	89.160	90.180
3	04:18:30	100.400	100.300	523.400	27590.000	25430.000	95.220	90.900	92.470
x		98.554%	99.836%	104.656%	109.839%	101.332%	94.439%	89.849%	91.394%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.677	0.431	0.888	0.512	0.401	0.718	1.026	1.264

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:17:04	90.950	101.800	100.100	99.980	96.200	109.400	0.000	106.000
2	04:17:47	90.110	98.090	99.780	99.910	94.480	107.400	0.000	106.100
3	04:18:30	89.120	99.930	98.600	100.600	96.400	105.900	0.000	105.100
x		90.061%	99.942%	99.500%	100.156%	95.694%	107.580%	0.000	105.696%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.018	1.854	0.805	0.366	1.101	1.670	0.000	0.521

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:17:04	69.024%	99.440	99.830	67.900%	98.230	96.920	101.300	98.910
2	04:17:47	70.170%	103.800	102.500	68.613%	98.010	97.610	101.000	99.420
3	04:18:30	69.709%	103.800	104.900	68.542%	98.660	97.740	99.720	100.500
x		69.634%	102.357%	102.399%	68.352%	98.300%	97.427%	100.676%	99.596%
σ		0.577%	n/a	n/a	0.393%	n/a	n/a	n/a	n/a
%RSD		0.828	2.469	2.475	0.575	0.337	0.453	0.835	0.788

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:17:04	72.827%	99.700	101.600	103.300	99.290	98.280	80.714%	81.770%
2	04:17:47	73.628%	100.800	103.100	103.200	98.400	99.040	81.567%	82.782%
3	04:18:30	73.281%	101.500	102.300	103.300	97.930	98.880	81.553%	81.665%
x		73.245%	100.670%	102.311%	103.256%	98.540%	98.731%	81.278%	82.072%
σ		0.402%	n/a	n/a	n/a	n/a	n/a	0.489%	0.617%
%RSD		0.549	0.896	0.746	0.060	0.704	0.404	0.601	0.751

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	04:17:04	93.610	94.480	94.440	95.430	94.320	86.686%
2	04:17:47	104.900	106.600	106.900	107.800	107.200	77.715%
3	04:18:30	104.900	107.100	108.000	110.000	108.200	76.391%
x		101.143%	102.709%	103.117%	104.407%	103.247%	80.264%
σ		n/a	n/a	n/a	n/a	n/a	5.601%
%RSD		6.448	6.939	7.307	7.520	7.503	6.978

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:24:23	96.630%	-0.015	1.769	1.220	0.000	22.520	12.200	13.130
2	04:25:06	94.778%	0.105	1.300	1.766	0.000	36.620	20.110	21.420
3	04:25:49	98.597%	-0.015	1.101	1.129	0.000	23.500	16.790	18.960
x		96.668%	0.025	1.390	1.372	0.000	27.540	16.370	17.840
σ		1.910%	0.069	0.343	0.345	0.000	7.871	3.972	4.260
%RSD		1.976	277.300	24.660	25.140	0.000	28.580	24.270	23.890

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:24:23	1.615	-0.015	0.000	-15.540	36.810	16.210	85.060%	-0.119
2	04:25:06	2.326	1.132	0.000	-3.529	40.560	25.360	85.123%	-0.119
3	04:25:49	1.716	-0.184	0.000	-18.380	18.100	21.340	85.112%	-0.158
x		1.886	0.311	0.000	-12.490	31.820	20.970	85.098%	-0.132
σ		0.385	0.716	0.000	7.885	12.030	4.590	0.034%	0.022
%RSD		20.410	230.100	0.000	63.160	37.800	21.890	0.039	17.060

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:24:23	0.171	0.084	0.322	20.140	25.510	0.036	-0.780	0.005
2	04:25:06	0.285	0.052	0.502	16.620	20.990	0.043	-0.730	-0.063
3	04:25:49	0.001	0.011	0.399	10.960	16.980	0.042	-0.790	0.003
x		0.152	0.049	0.408	15.910	21.160	0.040	-0.767	-0.018
σ		0.143	0.037	0.091	4.627	4.267	0.004	0.032	0.039
%RSD		93.700	75.130	22.220	29.090	20.170	10.010	4.181	211.600

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:24:23	-0.068	-0.203	-0.102	-0.311	-4.107	-2.846	0.000	0.109
2	04:25:06	-0.020	-0.092	-0.029	-0.175	-4.304	-2.921	0.000	0.161
3	04:25:49	-0.002	-0.172	-0.213	-0.928	-4.853	-2.288	0.000	0.161
x		-0.030	-0.155	-0.115	-0.471	-4.421	-2.685	0.000	0.144
σ		0.034	0.057	0.092	0.402	0.387	0.346	0.000	0.030
%RSD		114.400	36.810	80.600	85.200	8.745	12.880	0.000	20.950

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:24:23	78.418%	0.741	0.775	84.212%	0.037	0.011	0.009	0.029
2	04:25:06	78.048%	0.603	0.596	84.395%	0.024	0.053	-0.093	-0.021
3	04:25:49	79.587%	0.489	0.559	85.051%	0.020	0.024	0.014	-0.009
x		78.684%	0.611	0.644	84.553%	0.027	0.029	-0.024	-0.000
σ		0.803%	0.126	0.116	0.441%	0.008	0.022	0.060	0.026
%RSD		1.021	20.660	17.950	0.522	31.460	73.790	256.500	7507.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:24:23	84.581%	-0.008	0.059	0.139	0.079	0.033	89.983%	91.407%
2	04:25:06	84.833%	-0.007	0.101	0.083	0.160	0.084	90.609%	91.096%
3	04:25:49	86.058%	-0.086	0.059	0.227	0.057	0.071	91.450%	92.297%
x		85.157%	-0.033	0.073	0.150	0.099	0.063	90.680%	91.600%
σ		0.790%	0.045	0.024	0.073	0.054	0.026	0.736%	0.624%
%RSD		0.927	136.000	32.870	48.790	54.640	41.870	0.812	0.681

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	04:24:23	0.038	0.053	0.103	0.117	0.108	97.615%
2	04:25:06	0.057	0.066	0.082	0.159	0.093	97.168%
3	04:25:49	0.038	0.056	0.065	0.034	0.046	99.921%
x		0.044	0.058	0.084	0.103	0.082	98.235%
σ		0.011	0.006	0.019	0.064	0.032	1.477%
%RSD		24.890	11.110	22.970	61.900	39.030	1.504

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:28:44	105.069%	0.051	8.002	7.699	0.000	1825.000	3416.000	3569.000
2	04:29:27	107.640%	0.006	5.243	6.950	0.000	1857.000	3468.000	3596.000
3	04:30:10	111.436%	0.027	6.060	7.308	0.000	1833.000	3494.000	3609.000
x		108.048%	0.028	6.435	7.319	0.000	1838.000	3459.000	3591.000
σ		3.203%	0.022	1.417	0.374	0.000	16.680	39.630	20.220
%RSD		2.965	79.660	22.030	5.114	0.000	0.908	1.146	0.563

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:28:44	100.300	4071.000	0.000	2984.000	9458.000	10060.000	79.171%	9.265
2	04:29:27	102.100	4065.000	0.000	2996.000	9702.000	10250.000	81.345%	10.220
3	04:30:10	102.100	4066.000	0.000	3015.000	9557.000	10330.000	82.345%	10.250
x		101.500	4067.000	0.000	2998.000	9572.000	10210.000	80.954%	9.911
σ		1.065	3.270	0.000	15.500	123.000	141.000	1.623%	0.560
%RSD		1.049	0.080	0.000	0.517	1.285	1.380	2.005	5.647

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:28:44	2.176	6.237	160.900	393.700	406.700	2.022	0.157	5.978
2	04:29:27	0.548	6.643	159.500	374.900	385.800	2.065	0.115	5.694
3	04:30:10	2.775	7.338	160.600	382.000	376.700	1.992	-0.023	6.022
x		1.833	6.739	160.400	383.500	389.700	2.026	0.083	5.898
σ		1.153	0.557	0.769	9.509	15.410	0.037	0.094	0.177
%RSD		62.900	8.264	0.479	2.479	3.955	1.826	113.700	3.010

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:28:44	5.681	60.510	61.730	2.188	-6.460	-1.328	0.000	30.120
2	04:29:27	6.233	60.120	58.000	2.044	-6.355	-2.729	0.000	29.730
3	04:30:10	5.517	58.540	59.550	0.580	-6.956	-3.666	0.000	29.540
x		5.810	59.720	59.760	1.604	-6.590	-2.574	0.000	29.800
σ		0.375	1.043	1.873	0.890	0.321	1.177	0.000	0.297
%RSD		6.456	1.746	3.134	55.460	4.872	45.710	0.000	0.998

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:28:44	83.789%	0.621	0.727	72.165%	0.011	0.006	0.094	0.131
2	04:29:27	86.470%	0.536	0.591	73.848%	0.002	0.011	0.145	0.102
3	04:30:10	87.929%	0.429	0.390	74.575%	-0.005	0.002	0.098	0.140
x		86.063%	0.529	0.569	73.529%	0.003	0.006	0.113	0.124
σ		2.100%	0.096	0.170	1.236%	0.008	0.004	0.029	0.020
%RSD		2.440	18.160	29.780	1.681	308.300	69.070	25.530	16.280

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:28:44	79.747%	2.481	0.300	0.343	20.320	20.500	88.812%	89.704%
2	04:29:27	82.585%	1.667	0.297	0.286	20.160	20.640	92.021%	92.319%
3	04:30:10	83.697%	1.741	0.240	0.265	20.550	21.310	93.149%	93.491%
x		82.010%	1.963	0.279	0.298	20.340	20.820	91.327%	91.838%
σ		2.037%	0.450	0.034	0.040	0.195	0.434	2.250%	1.939%
%RSD		2.484	22.930	12.090	13.520	0.956	2.085	2.464	2.111

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	04:28:44	0.228	0.232	0.306	0.303	0.290	95.008%
2	04:29:27	0.135	0.172	0.270	0.247	0.252	97.505%
3	04:30:10	0.103	0.114	0.244	0.230	0.233	98.996%
x		0.156	0.173	0.273	0.260	0.258	97.170%
σ		0.065	0.059	0.031	0.038	0.029	2.015%
%RSD		41.720	33.960	11.450	14.740	11.220	2.074

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:33:04	110.263%	0.006	6.920	7.864	0.000	1805.000	3554.000	3688.000
2	04:33:47	111.190%	0.027	6.505	6.728	0.000	1813.000	3583.000	3658.000
3	04:34:30	112.179%	0.088	6.223	7.137	0.000	1847.000	3570.000	3710.000
x		111.210%	0.040	6.549	7.243	0.000	1822.000	3569.000	3685.000
σ		0.958%	0.043	0.350	0.575	0.000	22.600	14.220	26.330
%RSD		0.862	106.200	5.348	7.944	0.000	1.240	0.398	0.714

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:33:04	89.780	4093.000	0.000	2911.000	9677.000	10460.000	81.965%	9.780
2	04:33:47	90.510	4081.000	0.000	2918.000	9539.000	10480.000	83.752%	9.098
3	04:34:30	90.550	4096.000	0.000	2915.000	10070.000	10540.000	84.018%	10.280
x		90.280	4090.000	0.000	2915.000	9761.000	10490.000	83.245%	9.719
σ		0.438	8.030	0.000	3.525	273.500	42.060	1.116%	0.593
%RSD		0.485	0.196	0.000	0.121	2.802	0.401	1.341	6.102

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:33:04	1.697	7.672	163.400	376.200	366.600	2.182	0.114	5.874
2	04:33:47	0.988	7.768	160.600	373.300	371.600	2.211	0.143	5.789
3	04:34:30	1.160	7.706	162.500	374.400	366.700	2.095	0.197	5.957
x		1.282	7.715	162.200	374.600	368.300	2.163	0.152	5.873
σ		0.370	0.049	1.401	1.498	2.842	0.060	0.042	0.084
%RSD		28.870	0.632	0.864	0.400	0.772	2.796	27.840	1.433

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:33:04	5.392	62.430	62.310	-0.329	-6.750	-0.460	0.000	30.710
2	04:33:47	5.667	62.490	62.140	0.624	-6.804	-3.440	0.000	30.100
3	04:34:30	5.734	63.280	62.580	3.521	-6.970	-1.605	0.000	29.750
x		5.597	62.740	62.340	1.272	-6.841	-1.835	0.000	30.180
σ		0.181	0.475	0.221	2.005	0.114	1.503	0.000	0.484
%RSD		3.243	0.758	0.355	157.600	1.672	81.910	0.000	1.605

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:33:04	86.872%	0.363	0.355	73.444%	0.007	0.002	0.063	0.093
2	04:33:47	88.243%	0.284	0.313	75.098%	-0.000	0.004	0.098	0.060
3	04:34:30	88.647%	0.235	0.264	74.310%	0.002	0.007	0.022	0.074
x		87.920%	0.294	0.311	74.284%	0.003	0.004	0.061	0.075
σ		0.930%	0.064	0.045	0.827%	0.004	0.003	0.038	0.016
%RSD		1.058	21.840	14.560	1.114	128.300	57.460	61.880	21.780

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:33:04	81.957%	1.504	0.230	0.247	20.420	21.460	91.485%	92.058%
2	04:33:47	84.275%	1.339	0.206	0.287	21.400	20.890	93.820%	94.400%
3	04:34:30	83.972%	1.273	0.181	0.222	20.860	20.840	95.217%	94.433%
x		83.401%	1.372	0.206	0.252	20.890	21.060	93.508%	93.630%
σ		1.260%	0.119	0.024	0.032	0.486	0.343	1.885%	1.362%
%RSD		1.510	8.665	11.910	12.890	2.327	1.630	2.016	1.455

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	04:33:04	0.075	0.081	0.235	0.235	0.246	97.059%
2	04:33:47	0.073	0.069	0.236	0.258	0.236	99.513%
3	04:34:30	0.047	0.062	0.210	0.270	0.211	98.901%
x		0.065	0.071	0.227	0.254	0.231	98.491%
σ		0.016	0.010	0.015	0.017	0.018	1.278%
%RSD		24.080	13.600	6.611	6.785	7.706	1.297

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:37:24	107.115%	0.028	6.773	8.057	0.000	1866.000	3589.000	3715.000
2	04:38:07	108.634%	0.006	7.572	7.768	0.000	1879.000	3659.000	3769.000
3	04:38:50	111.000%	0.027	6.514	8.081	0.000	1852.000	3618.000	3770.000
x		108.916%	0.020	6.953	7.968	0.000	1866.000	3622.000	3751.000
σ		1.958%	0.012	0.551	0.174	0.000	13.250	35.060	31.480
%RSD		1.798	60.200	7.929	2.187	0.000	0.710	0.968	0.839

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:37:24	79.870	4151.000	0.000	2827.000	9901.000	10540.000	81.789%	8.717
2	04:38:07	79.380	4119.000	0.000	2779.000	9825.000	10630.000	83.632%	9.775
3	04:38:50	78.990	4107.000	0.000	2829.000	9643.000	10640.000	83.904%	7.824
x		79.410	4126.000	0.000	2812.000	9790.000	10610.000	83.108%	8.772
σ		0.439	22.870	0.000	28.280	132.400	54.700	1.151%	0.977
%RSD		0.552	0.554	0.000	1.006	1.352	0.516	1.385	11.130

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:37:24	1.148	7.284	158.100	351.600	351.300	2.061	0.252	6.053
2	04:38:07	2.824	7.339	159.400	349.700	350.600	2.121	0.235	5.823
3	04:38:50	-0.287	7.683	158.200	347.600	352.000	2.073	0.238	5.612
x		1.228	7.435	158.500	349.600	351.300	2.085	0.242	5.829
σ		1.557	0.216	0.699	1.978	0.681	0.032	0.009	0.220
%RSD		126.700	2.909	0.441	0.566	0.194	1.528	3.662	3.779

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:37:24	5.705	62.810	64.710	1.046	-6.840	-2.778	0.000	29.810
2	04:38:07	6.021	64.350	62.350	-0.605	-6.892	-4.142	0.000	30.790
3	04:38:50	5.821	63.050	61.630	-0.556	-6.879	-4.307	0.000	30.170
x		5.849	63.400	62.900	-0.038	-6.871	-3.742	0.000	30.260
σ		0.160	0.833	1.613	0.939	0.027	0.839	0.000	0.496
%RSD		2.740	1.313	2.565	2465.000	0.394	22.430	0.000	1.640

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:37:24	86.959%	0.200	0.294	74.028%	-0.002	0.006	0.167	0.162
2	04:38:07	88.803%	0.190	0.245	75.219%	0.019	0.004	0.089	0.164
3	04:38:50	89.351%	0.168	0.315	75.236%	-0.000	0.000	0.122	0.170
x		88.371%	0.186	0.285	74.828%	0.006	0.003	0.126	0.165
σ		1.253%	0.017	0.036	0.692%	0.011	0.003	0.039	0.004
%RSD		1.418	8.893	12.630	0.925	199.200	84.940	30.990	2.447

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:37:24	81.818%	1.130	0.194	0.143	19.350	20.910	92.119%	92.314%
2	04:38:07	84.098%	1.109	0.198	0.184	20.450	20.420	94.549%	94.496%
3	04:38:50	84.475%	1.097	0.146	0.144	19.910	20.200	94.655%	95.077%
x		83.464%	1.112	0.179	0.157	19.900	20.510	93.774%	93.963%
σ		1.438%	0.017	0.029	0.023	0.552	0.362	1.435%	1.457%
%RSD		1.722	1.506	15.930	14.710	2.771	1.768	1.530	1.550

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	04:37:24	0.041	0.041	0.251	0.229	0.235	96.601%
2	04:38:07	0.038	0.046	0.208	0.218	0.220	99.299%
3	04:38:50	0.033	0.040	0.244	0.242	0.222	99.627%
x		0.037	0.043	0.234	0.230	0.226	98.509%
σ		0.004	0.003	0.023	0.012	0.008	1.661%
%RSD		11.220	8.161	9.914	5.282	3.563	1.686

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:41:45	106.510%	0.050	8.216	10.210	0.000	1924.000	3692.000	3860.000
2	04:42:28	110.977%	0.027	6.871	8.759	0.000	1910.000	3694.000	3873.000
3	04:43:11	109.785%	0.027	6.596	9.136	0.000	1884.000	3753.000	3862.000
x		109.091%	0.035	7.228	9.367	0.000	1906.000	3713.000	3865.000
σ		2.313%	0.013	0.867	0.750	0.000	20.490	34.710	7.044
%RSD		2.120	38.580	12.000	8.009	0.000	1.075	0.935	0.182

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:41:45	75.530	4245.000	0.000	2798.000	10290.000	11020.000	81.319%	8.484
2	04:42:28	75.200	4229.000	0.000	2795.000	10240.000	10920.000	82.362%	8.932
3	04:43:11	75.190	4197.000	0.000	2745.000	10340.000	10860.000	83.013%	8.779
x		75.310	4224.000	0.000	2780.000	10290.000	10930.000	82.231%	8.732
σ		0.192	24.430	0.000	29.640	49.110	81.980	0.855%	0.228
%RSD		0.256	0.579	0.000	1.066	0.477	0.750	1.039	2.607

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:41:45	0.188	7.182	164.300	359.800	367.900	2.120	-0.014	5.589
2	04:42:28	1.839	7.523	164.900	359.200	371.600	2.138	-0.005	5.919
3	04:43:11	0.406	7.623	163.700	355.200	347.200	2.137	0.071	6.136
x		0.811	7.443	164.300	358.100	362.200	2.132	0.017	5.881
σ		0.897	0.232	0.568	2.467	13.170	0.010	0.046	0.276
%RSD		110.600	3.110	0.346	0.689	3.636	0.458	272.100	4.689

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:41:45	6.105	65.550	65.290	1.500	-6.913	-2.694	0.000	30.840
2	04:42:28	5.848	67.190	67.170	-0.614	-6.947	-3.700	0.000	30.460
3	04:43:11	5.876	65.980	65.690	0.061	-7.286	-3.435	0.000	31.420
x		5.943	66.240	66.050	0.315	-7.049	-3.276	0.000	30.910
σ		0.141	0.848	0.994	1.080	0.206	0.521	0.000	0.487
%RSD		2.378	1.281	1.505	342.300	2.924	15.910	0.000	1.576

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:41:45	86.981%	0.233	0.205	74.181%	0.012	-0.005	0.242	0.223
2	04:42:28	87.949%	0.214	0.230	74.780%	-0.009	0.006	0.190	0.120
3	04:43:11	88.924%	0.240	0.226	74.855%	-0.002	0.000	0.063	0.103
x		87.951%	0.229	0.220	74.605%	0.001	0.000	0.165	0.149
σ		0.972%	0.013	0.013	0.370%	0.011	0.005	0.092	0.065
%RSD		1.105	5.855	6.066	0.496	1610.000	1323.000	56.050	43.570

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:41:45	81.763%	1.048	0.168	0.179	20.550	21.220	91.668%	91.651%
2	04:42:28	83.720%	1.017	0.122	0.182	20.730	20.900	94.196%	93.716%
3	04:43:11	83.849%	1.151	0.122	0.128	20.520	21.480	94.247%	94.462%
x		83.111%	1.072	0.137	0.163	20.600	21.200	93.370%	93.276%
σ		1.169%	0.070	0.026	0.030	0.111	0.287	1.474%	1.456%
%RSD		1.406	6.535	19.130	18.570	0.540	1.355	1.579	1.561

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	04:41:45	0.031	0.027	0.268	0.253	0.238	95.812%
2	04:42:28	0.025	0.035	0.198	0.188	0.210	98.278%
3	04:43:11	0.027	0.035	0.204	0.221	0.189	97.996%
x		0.027	0.032	0.223	0.221	0.212	97.362%
σ		0.003	0.005	0.038	0.033	0.024	1.350%
%RSD		11.190	15.610	17.180	14.930	11.500	1.386

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:46:06	108.965%	0.006	10.090	9.151	0.000	1765.000	3654.000	3798.000
2	04:46:49	107.482%	0.006	9.165	9.912	0.000	1876.000	3704.000	3834.000
3	04:47:32	109.968%	0.027	7.264	8.494	0.000	1818.000	3701.000	3857.000
x		108.805%	0.013	8.840	9.186	0.000	1820.000	3686.000	3830.000
σ		1.251%	0.012	1.442	0.710	0.000	55.270	28.050	29.490
%RSD		1.149	90.330	16.310	7.725	0.000	3.037	0.761	0.770

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:46:06	66.090	4116.000	0.000	2639.000	9915.000	10570.000	81.606%	6.806
2	04:46:49	68.140	4120.000	0.000	2634.000	10240.000	10750.000	82.685%	8.578
3	04:47:32	69.080	4114.000	0.000	2638.000	10050.000	10770.000	83.010%	7.080
x		67.770	4117.000	0.000	2637.000	10070.000	10690.000	82.434%	7.488
σ		1.526	2.775	0.000	2.821	162.700	109.500	0.735%	0.954
%RSD		2.252	0.067	0.000	0.107	1.616	1.024	0.892	12.740

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:46:06	-0.536	7.246	162.500	347.000	348.200	2.179	0.059	5.787
2	04:46:49	6.344	7.470	163.000	345.500	338.000	2.268	0.182	5.769
3	04:47:32	1.360	7.379	163.700	347.600	345.400	2.210	0.050	5.818
x		2.389	7.365	163.100	346.700	343.900	2.219	0.097	5.791
σ		3.554	0.113	0.594	1.053	5.290	0.045	0.074	0.025
%RSD		148.800	1.529	0.364	0.304	1.538	2.035	76.090	0.433

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:46:06	5.957	66.310	66.570	0.941	-6.458	-1.062	0.000	30.780
2	04:46:49	6.340	66.870	63.290	1.300	-6.901	-3.873	0.000	30.370
3	04:47:32	6.157	66.000	66.310	2.498	-7.127	-2.172	0.000	30.640
x		6.151	66.390	65.390	1.580	-6.829	-2.369	0.000	30.590
σ		0.192	0.440	1.825	0.815	0.340	1.416	0.000	0.209
%RSD		3.114	0.662	2.791	51.600	4.981	59.770	0.000	0.683

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:46:06	86.906%	0.155	0.202	74.025%	0.007	-0.001	0.213	0.151
2	04:46:49	88.383%	0.258	0.197	74.054%	-0.002	-0.003	0.051	0.117
3	04:47:32	88.822%	0.201	0.188	75.236%	-0.009	0.002	0.211	0.113
x		88.037%	0.205	0.196	74.438%	-0.001	-0.001	0.159	0.127
σ		1.004%	0.052	0.007	0.691%	0.008	0.003	0.093	0.021
%RSD		1.140	25.240	3.697	0.929	736.200	338.900	58.550	16.710

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:46:06	82.786%	0.928	0.143	0.196	21.020	19.770	92.670%	93.373%
2	04:46:49	83.583%	1.140	0.162	0.170	20.460	20.190	93.816%	94.253%
3	04:47:32	84.029%	0.903	0.130	0.154	19.880	20.400	94.870%	95.241%
x		83.466%	0.991	0.145	0.173	20.450	20.120	93.785%	94.289%
σ		0.630%	0.130	0.016	0.021	0.568	0.322	1.100%	0.934%
%RSD		0.754	13.140	10.940	12.330	2.775	1.601	1.173	0.991

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	04:46:06	0.027	0.027	0.227	0.221	0.228	97.613%
2	04:46:49	0.033	0.032	0.233	0.258	0.226	98.998%
3	04:47:32	0.023	0.022	0.232	0.236	0.226	99.901%
x		0.028	0.027	0.231	0.238	0.227	98.837%
σ		0.005	0.005	0.003	0.019	0.001	1.153%
%RSD		19.030	18.370	1.339	7.762	0.358	1.166

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:53:23	82.830%	86.010	87.420	93.860	0.000	45770.000	52870.000	55020.000
2	04:54:06	82.647%	89.010	87.820	93.290	0.000	45460.000	53350.000	55430.000
3	04:54:49	82.044%	89.230	91.720	95.890	0.000	45720.000	53400.000	55510.000
x		82.507%	88.084%	88.988%	94.348%	0.000	91.300%	106.413%	110.636%
σ		0.412%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.499	2.042	2.671	1.447	0.000	0.358	0.552	0.474

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:53:23	513.100	4846.000	0.000	47950.000	45940.000	47080.000	70.996%	99.190
2	04:54:06	514.300	4839.000	0.000	48190.000	46310.000	47690.000	71.463%	99.280
3	04:54:49	513.200	4868.000	0.000	48660.000	46680.000	47350.000	71.157%	102.200
x		102.707%	97.018%	0.000	96.538%	92.618%	94.745%	71.205%	100.228%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.237%	n/a
%RSD		0.136	0.320	0.000	0.750	0.792	0.650	0.333	1.717

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:53:23	97.610	99.270	523.600	27430.000	25260.000	93.730	90.560	91.050
2	04:54:06	97.760	98.840	524.600	27390.000	25180.000	92.780	87.780	90.350
3	04:54:49	99.570	99.790	525.900	27670.000	25460.000	94.680	90.460	92.320
x		98.311%	99.300%	104.937%	109.982%	101.196%	93.729%	89.602%	91.239%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.109	0.475	0.219	0.550	0.572	1.013	1.759	1.093

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:53:23	89.640	101.000	101.200	102.100	95.310	105.700	0.000	108.800
2	04:54:06	90.110	99.170	99.630	99.840	94.440	110.300	0.000	108.300
3	04:54:49	90.160	101.900	102.000	101.000	95.300	109.200	0.000	108.400
x		89.966%	100.685%	100.941%	100.979%	95.019%	108.402%	0.000	108.511%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.319	1.375	1.208	1.122	0.527	2.251	0.000	0.244

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:53:23	67.551%	99.310	99.520	67.810%	98.590	98.130	100.400	101.900
2	04:54:06	68.653%	103.400	103.100	68.672%	99.060	98.250	100.500	98.660
3	04:54:49	68.296%	105.800	106.300	68.942%	98.210	97.230	101.400	101.000
x		68.167%	102.853%	102.963%	68.475%	98.621%	97.869%	100.783%	100.546%
σ		0.562%	n/a	n/a	0.591%	n/a	n/a	n/a	n/a
%RSD		0.824	3.200	3.282	0.863	0.431	0.571	0.548	1.679

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:53:23	72.347%	99.740	103.500	104.200	96.730	99.360	80.818%	81.999%
2	04:54:06	73.555%	100.600	103.600	104.500	98.930	100.200	82.209%	83.629%
3	04:54:49	73.558%	100.500	103.200	104.100	98.890	97.520	82.061%	83.219%
x		73.153%	100.268%	103.435%	104.251%	98.181%	99.022%	81.696%	82.949%
σ		0.699%	n/a	n/a	n/a	n/a	n/a	0.764%	0.848%
%RSD		0.955	0.461	0.241	0.195	1.284	1.382	0.935	1.022

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	04:53:23	103.700	105.400	105.600	106.500	105.900	77.649%
2	04:54:06	94.200	95.660	96.110	95.590	95.590	88.023%
3	04:54:49	104.900	106.700	107.300	108.900	108.200	77.649%
x		100.946%	102.607%	102.995%	103.632%	103.222%	81.107%
σ		n/a	n/a	n/a	n/a	n/a	5.990%
%RSD		5.816	5.897	5.845	6.822	6.497	7.385

CCB13 10/10/2012 4:59:59 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:00:42	99.078%	-0.015	2.210	1.124	0.000	21.540	15.070	13.990
2	05:01:24	96.795%	0.009	1.387	0.939	0.000	26.880	15.090	17.900
3	05:02:07	97.251%	0.008	1.376	0.846	0.000	24.480	15.160	18.960
x		97.708%	0.001	1.658	0.970	0.000	24.300	15.110	16.950
σ		1.208%	0.014	0.478	0.141	0.000	2.676	0.047	2.617
%RSD		1.236	2108.000	28.850	14.590	0.000	11.010	0.312	15.440

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:00:42	1.491	-0.315	0.000	-8.953	25.990	16.800	84.085%	-0.157
2	05:01:24	1.913	0.524	0.000	-13.030	10.750	19.850	84.780%	-0.119
3	05:02:07	1.868	-0.809	0.000	-12.540	6.848	15.560	85.523%	-0.120
x		1.757	-0.200	0.000	-11.510	14.530	17.400	84.796%	-0.132
σ		0.232	0.674	0.000	2.226	10.110	2.208	0.719%	0.022
%RSD		13.200	337.000	0.000	19.350	69.600	12.690	0.848	16.340

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:00:42	0.087	0.141	0.342	21.270	24.070	0.023	-0.733	-0.004
2	05:01:24	-0.166	0.076	0.426	12.680	17.990	0.045	-0.696	-0.050
3	05:02:07	0.171	0.087	0.397	10.240	11.000	0.038	-0.756	0.037
x		0.031	0.101	0.388	14.730	17.690	0.035	-0.729	-0.006
σ		0.175	0.034	0.043	5.792	6.543	0.011	0.030	0.044
%RSD		574.100	34.040	11.060	39.320	36.990	32.280	4.165	774.600

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:00:42	-0.002	-0.190	-0.227	-0.279	-4.569	-2.324	0.000	0.115
2	05:01:24	0.003	-0.052	-0.078	-1.088	-4.633	-4.031	0.000	0.150
3	05:02:07	-0.018	-0.081	-0.001	-1.027	-4.572	-4.163	0.000	0.124
x		-0.006	-0.108	-0.102	-0.798	-4.591	-3.506	0.000	0.130
σ		0.011	0.073	0.115	0.451	0.036	1.026	0.000	0.018
%RSD		187.000	67.490	113.100	56.490	0.786	29.260	0.000	13.970

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:00:42	81.301%	0.622	0.625	83.882%	0.019	0.034	-0.119	-0.079
2	05:01:24	81.748%	0.581	0.595	84.324%	0.038	0.024	-0.024	-0.010
3	05:02:07	82.318%	0.507	0.413	84.727%	0.017	0.029	-0.038	-0.001
x		81.789%	0.570	0.544	84.311%	0.025	0.029	-0.060	-0.030
σ		0.510%	0.059	0.115	0.423%	0.011	0.005	0.051	0.043
%RSD		0.623	10.270	21.050	0.501	45.450	17.250	84.820	142.200

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:00:42	84.780%	0.054	0.068	0.066	0.141	0.057	89.195%	90.640%
2	05:01:24	85.190%	-0.089	0.069	0.082	0.048	0.045	89.871%	91.839%
3	05:02:07	85.676%	-0.153	0.067	0.069	0.048	0.111	91.171%	92.024%
x		85.215%	-0.063	0.068	0.072	0.079	0.071	90.079%	91.501%
σ		0.449%	0.106	0.001	0.009	0.054	0.036	1.005%	0.751%
%RSD		0.527	169.300	1.730	12.270	67.890	50.160	1.115	0.821

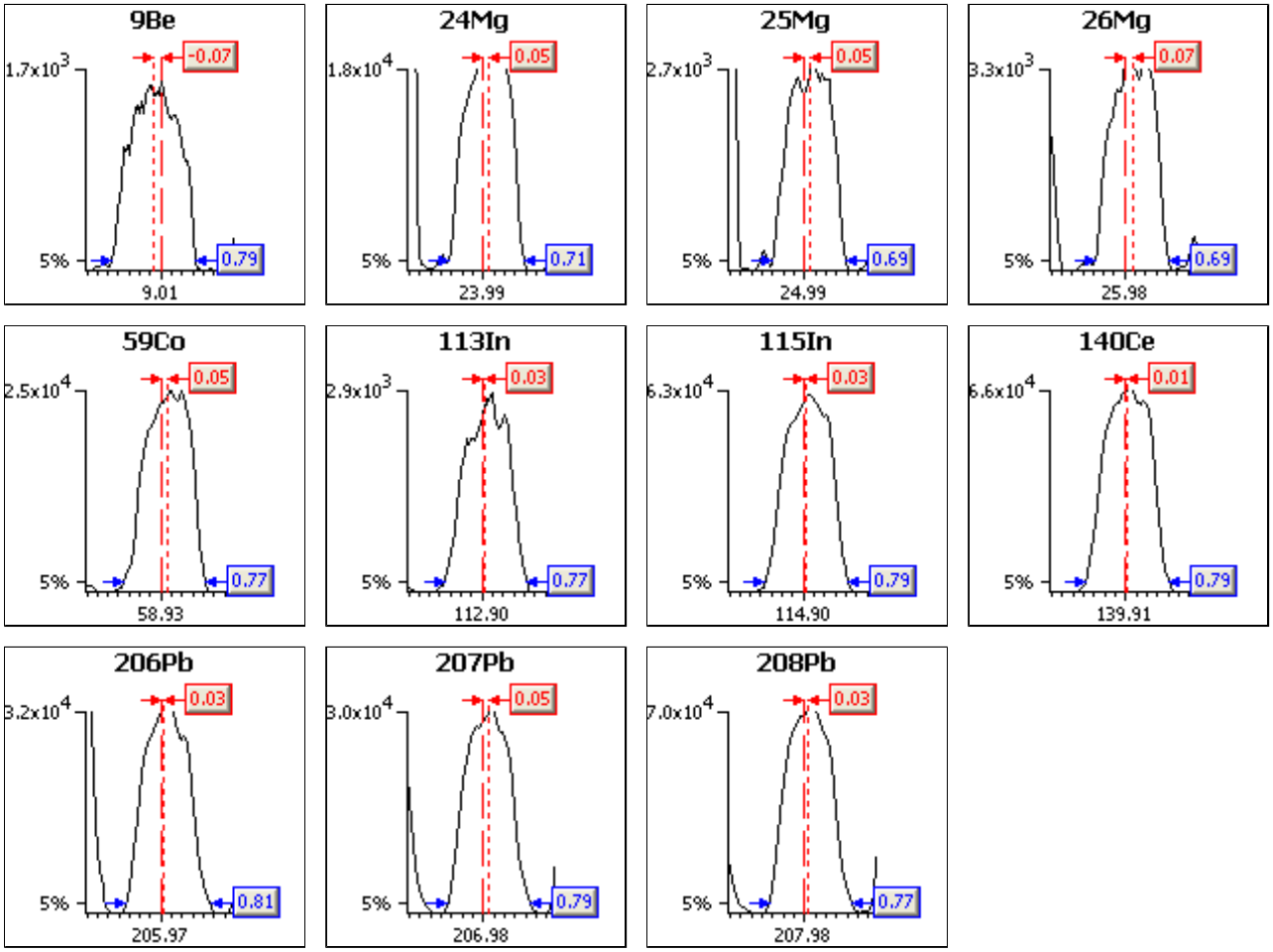
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	05:00:42	0.039	0.046	0.102	0.116	0.105	98.440%
2	05:01:24	0.054	0.061	0.067	0.063	0.061	99.283%
3	05:02:07	0.026	0.051	0.049	0.053	0.041	100.285%
x		0.040	0.053	0.073	0.078	0.069	99.336%
σ		0.014	0.008	0.027	0.034	0.033	0.924%
%RSD		36.230	15.140	37.450	43.630	48.270	0.930

Performance Report

Sample details
Sample name : ITUNE
Acquired at : 10/9/2012 3:39:23 PM
Report name : EPA ILMO5.2/6020A 2.1 [8/5/2011 12:59:56 PM]

Mass Calibration verification

Acquisition parameters
Sweeps : 25
Dwell : 2.0 mSecs
Point spacing : 0.02 amu
Peak width measured at 5% of the peak maximum



Analyte	Limits			Results	
	Max. width	Min. width	Max. error	Peak width	Peak error
9Be	0.90	0.45	0.10	0.79	-0.07
24Mg	0.90	0.45	0.10	0.71	0.05
25Mg	0.90	0.45	0.10	0.69	0.05
26Mg	0.90	0.45	0.10	0.69	0.07
59Co	0.90	0.45	0.10	0.77	0.05
113In	0.90	0.45	0.10	0.77	0.03
115In	0.90	0.45	0.10	0.79	0.03
140Ce	0.90	0.45	0.10	0.79	0.01
206Pb	0.90	0.45	0.10	0.81	0.03
207Pb	0.90	0.45	0.10	0.79	0.05
208Pb	0.90	0.45	0.10	0.77	0.03

Sample details
Sample name : ITUNE
Acquired at : 10/9/2012 3:39:23 PM
Report name : EPA ILMO5.2/6020A 2.1 [8/5/2011 12:59:56 PM]

Tune conditions

Major	
Extraction	-184
Lens 1	2.9
Focus	23.1
D1	-31.4
Pole Bias	-1.0
Hexapole Bias	-4.0
Nebuliser	0.79
Sampling Depth	150

Minor	
Lens 2	-28.2
Lens 3	-200.0
Forward power	1302
Horizontal	91
Vertical	248
D2	-141
DA	-58.0
Cool	13.0
Auxiliary	0.70

Global	
Standard resolution	n/a
High resolution	n/a
Analogue Detector	n/a
PC Detector	n/a

Add. Gases	
He/H2	0.00
He/NH3	0.00

Sensitivity and stability results

Acquisition parameters
Sweeps : 150

Run	Time	5Bkg	9Be	24Mg	25Mg	26Mg	56Ar O	59Co	137Ba++
Dwell (mSecs)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Limits	%RSD	-	5.0%	5.0%	5.0%	5.0%	-	5.0%	-
	Countrate	-	>500	>500	>500	>500	-	>10000	-
1	3:40:11 PM	0	1613	21820	2831	3546	83741	25511	3
2	3:41:36 PM	0	1667	22336	2936	3524	77074	26096	1
3	3:43:01 PM	0	1582	22488	2811	3615	73995	26309	3
4	3:44:27 PM	0	1697	23165	2943	3739	72771	26709	1
5	3:45:52 PM	0	1662	22874	3016	3872	73106	26956	3
x		0	1644	22537	2907	3659	76137	26316	2
σ		0.12	46.21	515.71	85.04	145.44	4577.06	561.39	1.10
%RSD		63.888	2.810	2.288	2.925	3.975	6.012	2.133	51.349

Run	Time	138Ba++	101Bkg	113In	115In	138Ba	140Ce	156Ce O	206Pb
Dwell (mSecs)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Limits	%RSD	-	-	5.0%	5.0%	-	5.0%	-	5.0%
	Countrate	-	-	>200	>5000	-	>10000	-	>500
1	3:40:11 PM	19	0	2759	64009	1193	70899	1178	34075
2	3:41:36 PM	14	0	2848	66721	1202	73579	1281	35673
3	3:43:01 PM	18	0	2922	67675	1154	74368	1261	36432
4	3:44:27 PM	17	0	2870	68093	1229	75873	1249	37172
5	3:45:52 PM	15	0	2948	69218	1275	76305	1274	37378
x		17	0	2869	67143	1210	74205	1249	36146
σ		2.05	0.07	73.61	1967.80	44.81	2152.87	41.11	1338.17
%RSD		12.249	60.858	2.565	2.931	3.702	2.901	3.293	3.702

Run	Time	207Pb	208Pb	220Bkg
Dwell (mSecs)		0.0	0.0	0.0
Limits	%RSD	5.0%	5.0%	-
	Countrate	>500	>500	<2500
1	3:40:11 PM	30792	74305	0
2	3:41:36 PM	32174	77663	0
3	3:43:01 PM	32840	78595	0
4	3:44:27 PM	33206	80171	0
5	3:45:52 PM	33558	80898	0
x		32514	78326	0
σ		1090.19	2583.69	0.17
%RSD		3.353	3.299	156.874

Ratio results

Run	Time	156Ce O/140Ce
Ratio limits		<0.0500
1	3:40:11 PM	0
2	3:41:36 PM	0

3	3:43:01 PM	0
4	3:44:27 PM	0
5	3:45:52 PM	0
x		0.0168
σ		0.00
%RSD		2.2005

Result : The performance report passed.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Batch Number: 50436 Batch Start Date: 10/02/12 08:30 Batch Analyst: Haluck, Caitlyn

Batch Method: 3010A Batch End Date: 10/02/12 12:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAPITTICPMS 00009	MTAPITTMSA 00009	MTAPITTMSC 00014	
MB 180-50436/1		3010A, 6020A		50 mL	50 mL				
LCS 180-50436/2		3010A, 6020A		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
180-14634-D-2	MW-104	3010A, 6020A	T	50 mL	50 mL				
180-14634-D-3	MW-105	3010A, 6020A	T	50 mL	50 mL				
180-14634-D-4	MW-109	3010A, 6020A	T	50 mL	50 mL				
180-14634-D-5	MW-114	3010A, 6020A	T	50 mL	50 mL				
180-14634-C-6	MW-101	3010A, 6020A	T	50 mL	50 mL				
180-14634-C-7	MW-102	3010A, 6020A	T	50 mL	50 mL				
180-14634-C-8	MW-106	3010A, 6020A	T	50 mL	50 mL				
180-14634-C-9	MW-110	3010A, 6020A	T	50 mL	50 mL				
180-14634-C-11	TMP-5	3010A, 6020A	T	50 mL	50 mL				
180-14634-C-11 MS	TMP-5	3010A, 6020A	T	50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
180-14634-C-11 MSD	TMP-5	3010A, 6020A	T	50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
180-14634-C-12	FB-2	3010A, 6020A	T	50 mL	50 mL				
180-14634-C-13	TMP-3	3010A, 6020A	T	50 mL	50 mL				

Batch Notes	
Batch Comment	METALS C1
First End time	1230
Lot # of hydrochloric acid	5ml 521385
Lot # of Nitric Acid	3ml 580748
Hot Block ID number	#3
Oven, Bath or Block Temperature 1	94 Degrees C
Pipette ID	03F95602
Person who witnessed spiking	CH
First Start time	0830
ID number of the thermometer	IP07 (-1.0)
Digestion Tube/Cup Lot #	1202=5258
Uncorrected Temperature	95 Degrees C
Vendor of Reagent used	Macron

METALS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Batch Number: 50436 Batch Start Date: 10/02/12 08:30 Batch Analyst: Haluck, Caitlyn

Batch Method: 3010A Batch End Date: 10/02/12 12:30

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Batch Number: 50670 Batch Start Date: 10/03/12 14:00 Batch Analyst: Shook, Caitlin N

Batch Method: 3005A Batch End Date: 10/03/12 18:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAPITTICPMS 00009	MTAPITTMSA 00009	MTAPITTMSC 00014	
MB 180-50670/1		3005A, 6020A		50 mL	50 mL				
LCS 180-50670/2		3005A, 6020A		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
180-14634-C-2	MW-104	3005A, 6020A	D	50 mL	50 mL				
180-14634-C-2 MS	MW-104	3005A, 6020A	D	50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
180-14634-C-2 MSD	MW-104	3005A, 6020A	D	50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
180-14634-C-3	MW-105	3005A, 6020A	D	50 mL	50 mL				
180-14634-C-4	MW-109	3005A, 6020A	D	50 mL	50 mL				
180-14634-C-5	MW-114	3005A, 6020A	D	50 mL	50 mL				
180-14634-D-6	MW-101	3005A, 6020A	D	50 mL	50 mL				
180-14634-D-7	MW-102	3005A, 6020A	D	50 mL	50 mL				
180-14634-D-8	MW-106	3005A, 6020A	D	50 mL	50 mL				
180-14634-D-9	MW-110	3005A, 6020A	D	50 mL	50 mL				
180-14634-D-11	TMP-5	3005A, 6020A	D	50 mL	50 mL				
180-14634-D-12	FB-2	3005A, 6020A	D	50 mL	50 mL				
180-14634-D-13	TMP-3	3005A, 6020A	D	50 mL	50 mL				

Batch Notes	
Batch Comment	METALS A2
First End time	18:00
Lot # of hydrochloric acid	2.5mL 574079
Lot # of Nitric Acid	1.0mL 580750
Hot Block ID number	#3
Oven, Bath or Block Temperature 1	96
Pipette ID	03F95602
Person who witnessed spiking	CS
First Start time	14:00
ID number of the thermometer	IP03 (-1.0)
Digestion Tube/Cup Lot #	1205258
Uncorrected Temperature	97 Celsius

METALS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 180-14634-1

SDG No.:

Batch Number: 50670 Batch Start Date: 10/03/12 14:00 Batch Analyst: Shook, Caitlin N

Batch Method: 3005A Batch End Date: 10/03/12 18:00

Basis	Basis Description
D	Dissolved

Shipping and Receiving Documents

fedex.com 1.800.GoFedEx 1.800.463.3339

FedEx Express **NEW** Package **US Airbill**

FedEx Tracking Number 8011 1698 8323

Form ID No. 0200

1 From

Date 9/19/12 [redacted]

Sender's Name Bart Sattler Phone 610 608 5907

Company SAIC

Address 300 Wharton Circle Ste 176

Dept./Floor/Suite/Room

City Triadelphia State WV ZIP 26059

2 Your Internal Billing Reference 4501020069 / 7000

3 To

Recipient's Name Test America Pitt Phone 412 963 7058

Company

Address 301 Alpha Drive RIDC Park

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City Pittsburgh State PA ZIP 15238

☐ HOLD Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight.

☐ HOLD Saturday FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

4 Express Package Service * To most locations.

NOTE: Service order has changed. Please select carefully.

Next Business Day

☐ FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☒ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Busines

☐ FedEx 2Day A — Second business m Saturday Delivery N

☐ FedEx 2Day — Second business aft will be delivered on Delivery is selected.

☐ FedEx Express — Third business day.* Saturday Delivery N

5 Packaging * Declared value limit $500.

☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box

6 Special Handling and Delivery Signature Options

☐ SATURDAY Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

☐ No Signature Required — Package may be left without obtaining a signature for delivery.

☐ Direct Signature — Someone at recipient's address may sign for delivery. Fee applies.

Does this shipment contain dangerous goods?

One box must be checked.

☒ No ☐ Yes — As per attached Shipper's Declaration. ☐ Yes — Shipper's Declaration not required. ☐ Dry Ice — Dry ice, 9, U

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below.

☒ Sender — Acct. No. in Section 1 will be billed. ☐ Recipient ☐ Third Party ☐ Cr

[redacted]

Total Packages 7 Total Weight _____ lbs. [redacted] Credit Car

14034

1.8 0.9 2.6 1.3 #3

~~TestAmerica~~ Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client information	Sampler: Bart Saffler / Brad Hoffer	Lab PM: Colussy, Jill L	Carrier Tracking No(s):	COC No: 180-7133-2096.2
Client Contact: Accounts Payable	Phone: 610 608 5907	E-Mail: jill.colussy@testamericainc.com		Page: Page 2 of 4
Company: Quality Distribution Inc				Job #:
Address: 211 Welsh Pool Road Suite 100	Due Date Requested:			
City: Exton	TAT Requested (days):			
State, Zip: PA, 19341				
Phone:	PO #: Purchase Order not required			
Email:	WO #:			
Project Name: QDI Institute, WV	Project #: 18010348			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B_LL - (MOD) TCL 4.2 GC/MS Volatiles List LL	6020A, 7470A	8270C_LL - (MOD) TCL 4.2 GC/MS Semivolatiles LL	6020A - 6020 Dissolved Special List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	D	N	D		
Trip Blank	9/17/12	—	G	Water			X					
MW-104	9/19/12	0830	G	Water			X	X	X	X		
MW-105	9/19/12	0920	G	Water			X	X	X	X		
MW-109	9/19/12	1030	G	Water			X	X	X	X		
MW-114	9/19/12	1200	G	Water			X	X	X	X		
MW-101	9/19/12	0820	G	Water			X	X	X	X		
MW-102	9/19/12	1045	G	Water			X	X	X	X		
MW-106	9/19/12	1225	G	Water			X	X	X	X		
MW-110	9/19/12	1300	G	Water			X	X	X	X		
TMP-1	9/19/12	1205	G	Water			X					
TMP-5	9/19/12	1230	G	Water			X	X	X	X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	9/19/12 1730	SAIC	Fedex	9/19/12 1730	—
			[signature]	9-20-12 0900	TAPITT

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

TestAmerica Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Bart Sattler / Brad Hoffer	Lab PM: Colussy, Jill L	Carrier Tracking No(s):	COC No: 180-7133-2096.3
Client Contact: Accounts Payable	Phone: 610 608 5907	E-Mail: jill.colussy@testamericainc.com		Page: Page 3 of 4
Company: Quality Distribution Inc				Job #:
Address: 211 Welsh Pool Road Suite 100	Due Date Requested:			
City: Exton	TAT Requested (days):			
State, Zip: PA, 19341				
Phone:	PO #: Purchase Order not required			
Email:	WO #:			
Project Name: QDI Institute, WV	Project #: 18010348			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B_LL - (MOD) TCL 4.2 GC/MS Volatiles List LL	6020A, 7470A	8270C_LL - (MOD) TCL 4.2 GC/MS Semivolatiles LL	6020A - 6020 Dissolved Special List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	D	N	D		
FB-2	9/19/12	1130	G	Water			X	X	X	X		
TMP-3	9/19/12	1420	G	Water			X	X	X	X		
				Water								
				Water								
				Water								
				Water								
				Water								
				Water								
				Water								
				Water								
				Water								

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

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Relinquished by: [signature]	Date/Time: 9/19/12 1730	Company: SAIL	Received by: Fedex		Date/Time: 9/19/12 1730	Company: —
Relinquished by:	Date/Time:	Company	Received by: [signature]		Date/Time: 9-19-12 0900	Company: TA PITT
Relinquished by:	Date/Time:	Company	Received by:		Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: Science Applications International Corp

Job Number: 180-14634-1

Login Number: 14634

List Source: TestAmerica Pittsburgh

List Number: 1

Creator: Ras, Erin F

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	False	Headspace larger than 1/4".
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	