ANALYTICAL REPORT

Job Number: 180-14654-1

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 5:16 PM

Jill L Colussy
Project Manager I
jill.colussy@testamericainc.com
10/12/2012

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TestAmerica Laboratories, Inc.
TestAmerica Pittsburgh 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238
Tel (412) 963-7058 Fax (412) 963-2468 www.testamericainc.com

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CASE NARRATIVE

Client: Science Applications International Corp

Project: QDI Institute, WV

Report Number: 180-14654-1

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 9/21/2012 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 0.3º C and 2.0º C.

The laboratory received sample MW-103 that was not listed on the chain of custody. This sample was logged in.

VOLATILE ORGANIC COMPOUNDS

1,4-Dioxane was detected in the method blank for batch 180-50213 at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

The laboratory control standard for batch 180-50213 recovered outside of the control limits for chloroethane. All control compounds recovered within the control limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

No difficulties were encountered during the semivolatiles analysis.

METALS

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

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

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

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.: 180-14654-1

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.: 180-14654-1

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.: 180-14654-1

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.: 180-14654-1

SDG No.:

Instrument ID: HP6 Analysis Batch Number: 50213

Lab Sample ID: CCV 180-50213/3 Client Sample ID:

Date Analyzed: 09/29/12 14:31 Lab File ID: 6092909.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	lipayj	09/29/12 14:55
1,4-Dioxane	8.09	Peak Integrated Incorrectly	lipayj	09/29/12 14:54

Lab Sample ID: 180-14654-4 Client Sample ID: MW-111

Date Analyzed: 09/29/12 22:47 Lab File ID: 6092929.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 10:19

Lab Sample ID: 180-14654-2 Client Sample ID: TMP-2

Date Analyzed: 09/29/12 23:36 Lab File ID: 6092931.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 10:23

Lab Sample ID: 180-14654-6 Client Sample ID: MW-103

Date Analyzed: 09/30/12 00:24 Lab File ID: 6092933.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	3.51	Unspecified	fergusond	10/01/12 10:27

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

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.: 180-14654-1

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	piccolino v	09/12/12 11:53
N-Nitrosodimethylamine	1.99	Poor Chromatography	piccolino v	09/12/12 11:53
Pyridine	2.10	Poor Chromatography	piccolino v	09/12/12 11:53
Benzoic acid	5.34	Poor Chromatography	piccolino v	09/12/12 11:55
Benzidine	9.11	Peak Not Found	piccolino v	09/12/12 11:55
Di-n-octyl phthalate	10.69	Peak Not Found	piccolino v	09/12/12 11:56
Dibenz(a,h)anthracene	13.10	Poor Chromatography	piccolino v	09/12/12 11:56
Indeno[1,2,3-cd]pyrene	13.10	Poor Chromatography	piccolino v	09/12/12 11:56

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

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	piccolinov	09/12/12 12:14
Pyridine	2.03	Poor Chromatography	piccolinov	09/12/12 12:14
Benzoic acid	5.34	Poor Chromatography	piccolinov	09/12/12 12:14
Pentachlorophenol	7.92	Poor Chromatography	piccolinov	09/12/12 12:15
Bis(2-ethylhexyl) phthalate	10.14	Poor Chromatography	piccolinov	09/12/12 12:15
Chrysene	10.20	Poor Chromatography	piccolinov	09/12/12 12:15
Benzo[k]fluoranthene	11.23	Poor Chromatography	piccolinov	09/12/12 12:16
Indeno[1,2,3-cd]pyrene	13.10	Poor Chromatography	piccolinov	09/12/12 12:16
Dibenz(a,h)anthracene	13.12	Poor Chromatography	piccolinov	09/12/12 12:16
Benzo[g,h,i]perylene	13.54	Poor Chromatography	piccolinov	09/12/12 12:16

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

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.: 180-14654-1

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.: 180-14654-1

SDG No.:

Instrument ID: 731 Analysis Batch Number: 50568

Lab Sample ID: CCVIS 180-50568/20 Client Sample ID:

Date Analyzed: 10/02/12 08:07 Lab File ID: V10020CC.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	10/02/12 08:30
Benzoic acid	5.36	Poor Chromatography	piccolino v	10/02/12 08:30
Benzidine	9.11	Poor Chromatography	piccolino v	10/02/12 08:30

Lab Sample ID: LCS 180-50052/2-A Client Sample ID:

Date Analyzed: 10/02/12 11:59 Lab File ID: V1002010.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.46	Peak Not Found	piccolino v	10/03/12 05:19
Pyrene	9.19	Peak Not Found	piccolino v	10/03/12 05:20
Terphenyl-d14	9.30	Peak Not Found	piccolino v	10/03/12 05:20

Lab Sample ID: LCSD 180-50052/3-A Client Sample ID:

Date Analyzed: 10/02/12 12:22 Lab File ID: V1002011.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pyrene	9.19	Peak Not Found	piccolino v	10/03/12 05:21
Terphenyl-d14	9.29	Peak Not Found	piccolino v	10/03/12 05:21

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Instrument ID: 731 Analysis Batch Number: 50568

Lab Sample ID: 180-14654-2 Client Sample ID: TMP-2

Date Analyzed: 10/02/12 13:33 Lab File ID: V1002012.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Fluorobiphenyl	6.38	Peak Not Found	piccolino v	10/03/12 05:23
Acenaphthene-d10	6.90	Peak Not Found	piccolino v	10/03/12 05:22
Terphenyl-d14	9.30	Peak Not Found	piccolino v	10/03/12 05:23

Lab Sample ID: 180-14654-3 Client Sample ID: MW-107

Date Analyzed: 10/02/12 13:57 Lab File ID: V1002013.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Phenanthrene	8.07	Poor Chromatography	piccolino v	10/03/12 05:24

Lab Sample ID: 180-14654-6 Client Sample ID: MW-103

Date Analyzed: 10/02/12 14:44 Lab File ID: V1002015.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.46	Poor Chromatography	piccolino v	10/03/12 05:27
Terphenyl-d14	9.29	Peak Not Found	piccolino v	10/03/12 05:28

SAMPLE SUMMARY

Client: Science Applications International Corp

Job Number: 180-14654-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
180-14654-1	TRIP BLANK	Water	09/17/2012 0000	09/21/2012 0900
180-14654-2	TMP-2	Water	09/20/2012 0915	09/21/2012 0900
180-14654-3	MW-107	Water	09/20/2012 0805	09/21/2012 0900
180-14654-4	MW-111	Water	09/20/2012 1000	09/21/2012 0900
180-14654-5	WWT-1	Water	09/20/2012 1050	09/21/2012 0900
180-14654-6	MW-103	Water	09/20/2012 0745	09/21/2012 0900

EXECUTIVE SUMMARY - Detections

Client: Science Applications International Corp

Job Number: 180-14654-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
180-14654-1	**TRIP BLANK**					
Methylene Chloride		2.2		1.0	ug/L	8260B
180-14654-2	**TMP-2**					
Acetone		15		5.0	ug/L	8260B
2-Butanone (MEK)		2.6	J	5.0	ug/L	8260B
Carbon disulfide		0.21	J	1.0	ug/L	8260B
2-Hexanone		0.31	J	5.0	ug/L	8260B
Methylene Chloride		0.19	J	1.0	ug/L	8260B
Bis(2-ethylhexyl) phthalate		1.3	J	1.9	ug/L	8270C LL
Arsenic		3.2		1.0	ug/L	6020A
Barium		200		10	ug/L	6020A
Lead		6.5	B	1.0	ug/L	6020A
Iron		8900	B	50	ug/L	6020A
Manganese		1400	B	5.0	ug/L	6020A
Vanadium		12	B	1.0	ug/L	6020A
Dissolved						
Barium		170		10	ug/L	6020A
Iron		220		50	ug/L	6020A
Lead		0.18	J	1.0	ug/L	6020A
Manganese		1300	B	5.0	ug/L	6020A
Vanadium		2.2		1.0	ug/L	6020A
180-14654-3	**MW-107**					
Acetone		3.1	J	5.0	ug/L	8260B
Bis(2-ethylhexyl) phthalate		3.0		1.9	ug/L	8270C LL
2-Methylnaphthalene		0.041	J	0.19	ug/L	8270C LL
Naphthalene		0.022	J	0.19	ug/L	8270C LL
Pyrene		0.031	J	0.19	ug/L	8270C LL
Phenanthrene		0.058	J	0.19	ug/L	8270C LL
Arsenic		1.6		1.0	ug/L	6020A
Barium		99		10	ug/L	6020A
Lead		4.8	B	1.0	ug/L	6020A
Iron		11000	B	50	ug/L	6020A
Manganese		4700	B	5.0	ug/L	6020A
Vanadium		0.36	J B	1.0	ug/L	6020A
Dissolved						
Barium		53		10	ug/L	6020A
Iron		170		50	ug/L	6020A
Lead		0.060	J	1.0	ug/L	6020A
Manganese		5000	B	5.0	ug/L	6020A
Vanadium		1.6		1.0	ug/L	6020A

EXECUTIVE SUMMARY - Detections

Client: Science Applications International Corp

Job Number: 180-14654-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
180-14654-4	**MW-111**					
Acetone		4.1	J	5.0	ug/L	8260B
Methylene Chloride		0.15	J	1.0	ug/L	8260B
Arsenic		1.0		1.0	ug/L	6020A
Barium		73		10	ug/L	6020A
Lead		2.4	B	1.0	ug/L	6020A
Iron		5000	B	50	ug/L	6020A
Manganese		4900	B	5.0	ug/L	6020A
Dissolved						
Barium		54		10	ug/L	6020A
Iron		170		50	ug/L	6020A
Lead		0.044	J	1.0	ug/L	6020A
Manganese		5200	B	5.0	ug/L	6020A
Vanadium		1.3		1.0	ug/L	6020A
180-14654-5	**WWT-1**					
Acetone		5.8		5.0	ug/L	8260B
Benzene		0.59	J	1.0	ug/L	8260B
Carbon disulfide		0.30	J	1.0	ug/L	8260B
Chlorobenzene		0.22	J	1.0	ug/L	8260B
1,2-Dichloroethane		0.41	J	1.0	ug/L	8260B
1,2-Dichloropropane		0.91	J	1.0	ug/L	8260B
Methylene Chloride		0.38	J	1.0	ug/L	8260B
Tetrachloroethene		0.18	J	1.0	ug/L	8260B
Trichloroethene		5.0		1.0	ug/L	8260B
Trichlorofluoromethane		3.3		1.0	ug/L	8260B
Vinyl chloride		1.9		1.0	ug/L	8260B
cis-1,2-Dichloroethene		3.9		1.0	ug/L	8260B

EXECUTIVE SUMMARY - Detections

Client: Science Applications International Corp

Job Number: 180-14654-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
180-14654-6	**MW-103**					
Acetone		4.9	J	5.0	ug/L	8260B
Methylene Chloride		0.16	J	1.0	ug/L	8260B
Diethyl phthalate		0.14	J	0.96	ug/L	8270C LL
1,4-Dioxane		0.92	J	1.9	ug/L	8270C LL
Arsenic		2.1		1.0	ug/L	6020A
Barium		72		10	ug/L	6020A
Lead		4.3	B	1.0	ug/L	6020A
Iron		8500	B	50	ug/L	6020A
Manganese		130	B	5.0	ug/L	6020A
Vanadium		15	B	1.0	ug/L	6020A
Dissolved						
Arsenic		2.8		1.0	ug/L	6020A
Barium		93		10	ug/L	6020A
Iron		18000		50	ug/L	6020A
Lead		7.2		1.0	ug/L	6020A
Manganese		190	B	5.0	ug/L	6020A
Vanadium		23		1.0	ug/L	6020A

METHOD SUMMARY

Client: Science Applications International Corp

Job Number: 180-14654-1

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: 180-14654-1

Method	Analyst	Analyst ID
SW846 8260B	Lipay, Josh	JL
SW846 8270C LL	Piccolino, Vincent	VP
SW846 6020A	Reinheimer, Bill	BR

Client: Science Applications International Corp

Job Number: 180-14654-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 180-14654-1

Client Matrix: Water

Date Sampled: 09/17/2012 0000

Date Received: 09/21/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50213	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	6092915.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/29/2012 1710			Final Weight/Volume:	5 mL
Prep Date:	09/29/2012 1710				

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	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	2.2		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: 180-14654-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 180-14654-1

Client Matrix: Water

Date Sampled: 09/17/2012 0000

Date Received: 09/21/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50213	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	6092915.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/29/2012 1710			Final Weight/Volume:	5 mL
Prep Date:	09/29/2012 1710				

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)	85		71 - 118
4-Bromofluorobenzene (Surr)	92		70 - 118
Dibromofluoromethane (Surr)	101		70 - 128

Client: Science Applications International Corp

Job Number: 180-14654-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 180-14654-1

Client Matrix: Water

Date Sampled: 09/17/2012 0000

Date Received: 09/21/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50213	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	6092915.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/29/2012 1710			Final Weight/Volume:	5 mL
Prep Date:	09/29/2012 1710				

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: 180-14654-1

Client Sample ID: **TMP-2**

Lab Sample ID: 180-14654-2

Client Matrix: Water

Date Sampled: 09/20/2012 0915

Date Received: 09/21/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50213	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	6092931.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/29/2012 2336			Final Weight/Volume:	5 mL
Prep Date:	09/29/2012 2336				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	15		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)	2.6	J	0.55	5.0
Carbon disulfide	0.21	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	0.31	J	0.16	5.0
Methylene Chloride	0.19	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: 180-14654-1

Client Sample ID: **TMP-2**

Lab Sample ID: 180-14654-2

Client Matrix: Water

Date Sampled: 09/20/2012 0915

Date Received: 09/21/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50213	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	6092931.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/29/2012 2336			Final Weight/Volume:	5 mL
Prep Date:	09/29/2012 2336				

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)	127		64 - 135
Toluene-d8 (Surr)	90		71 - 118
4-Bromofluorobenzene (Surr)	94		70 - 118
Dibromofluoromethane (Surr)	103		70 - 128

Client: Science Applications International Corp

Job Number: 180-14654-1

Client Sample ID: **TMP-2**

Lab Sample ID: 180-14654-2

Client Matrix: Water

Date Sampled: 09/20/2012 0915

Date Received: 09/21/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50213	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	6092931.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/29/2012 2336			Final Weight/Volume:	5 mL
Prep Date:	09/29/2012 2336				

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: 180-14654-1

Client Sample ID: **MW-107**

Lab Sample ID: 180-14654-3

Client Matrix: Water

Date Sampled: 09/20/2012 0805

Date Received: 09/21/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50213	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	6092932.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/30/2012 0000			Final Weight/Volume:	5 mL
Prep Date:	09/30/2012 0000				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	3.1	J	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
1,4-Dichlorobenzene	ND		0.21	1.0

Client: Science Applications International Corp

Job Number: 180-14654-1

Client Sample ID: **MW-107**

Lab Sample ID: 180-14654-3

Client Matrix: Water

Date Sampled: 09/20/2012 0805

Date Received: 09/21/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50213	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	6092932.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/30/2012 0000			Final Weight/Volume:	5 mL
Prep Date:	09/30/2012 0000				

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)	124		64 - 135
Toluene-d8 (Surr)	88		71 - 118
4-Bromofluorobenzene (Surr)	93		70 - 118
Dibromofluoromethane (Surr)	102		70 - 128

Client: Science Applications International Corp

Job Number: 180-14654-1

Client Sample ID: **MW-107**

Lab Sample ID: 180-14654-3

Client Matrix: Water

Date Sampled: 09/20/2012 0805

Date Received: 09/21/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50213	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	6092932.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/30/2012 0000			Final Weight/Volume:	5 mL
Prep Date:	09/30/2012 0000				

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: 180-14654-1

Client Sample ID: **MW-111**

Lab Sample ID: 180-14654-4

Client Matrix: Water

Date Sampled: 09/20/2012 1000

Date Received: 09/21/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50213	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	6092929.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/29/2012 2247			Final Weight/Volume:	5 mL
Prep Date:	09/29/2012 2247				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	4.1	J	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	0.15	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: 180-14654-1

Client Sample ID: **MW-111**

Lab Sample ID: 180-14654-4

Client Matrix: Water

Date Sampled: 09/20/2012 1000

Date Received: 09/21/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50213	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	6092929.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/29/2012 2247			Final Weight/Volume:	5 mL
Prep Date:	09/29/2012 2247				

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)	127		64 - 135
Toluene-d8 (Surr)	86		71 - 118
4-Bromofluorobenzene (Surr)	93		70 - 118
Dibromofluoromethane (Surr)	103		70 - 128

Client: Science Applications International Corp

Job Number: 180-14654-1

Client Sample ID: **MW-111**

Lab Sample ID: 180-14654-4

Client Matrix: Water

Date Sampled: 09/20/2012 1000

Date Received: 09/21/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50213	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	6092929.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/29/2012 2247			Final Weight/Volume:	5 mL
Prep Date:	09/29/2012 2247				

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: 180-14654-1

Client Sample ID: **WWT-1**

Lab Sample ID: 180-14654-5

Client Matrix: Water

Date Sampled: 09/20/2012 1050

Date Received: 09/21/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50213	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	6092930.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/29/2012 2311			Final Weight/Volume:	5 mL
Prep Date:	09/29/2012 2311				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	5.8		2.5	5.0
Benzene	0.59	J	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	0.30	J	0.21	1.0
Carbon tetrachloride	ND		0.14	1.0
Chlorobenzene	0.22	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	0.41	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	0.91	J	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	0.38	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	0.18	J	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	5.0		0.14	1.0
Trichlorofluoromethane	3.3		0.20	1.0
Vinyl chloride	1.9		0.23	1.0
Xylenes, Total	ND		0.49	3.0
Cyclohexane	ND		0.25	1.0
cis-1,2-Dichloroethene	3.9		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: 180-14654-1

Client Sample ID: **WWT-1**

Lab Sample ID: 180-14654-5

Client Matrix: Water

Date Sampled: 09/20/2012 1050

Date Received: 09/21/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50213	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	6092930.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/29/2012 2311			Final Weight/Volume:	5 mL
Prep Date:	09/29/2012 2311				

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)	131		64 - 135
Toluene-d8 (Surr)	88		71 - 118
4-Bromofluorobenzene (Surr)	91		70 - 118
Dibromofluoromethane (Surr)	104		70 - 128

Client: Science Applications International Corp

Job Number: 180-14654-1

Client Sample ID: **WWT-1**

Lab Sample ID: 180-14654-5

Client Matrix: Water

Date Sampled: 09/20/2012 1050

Date Received: 09/21/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50213	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	6092930.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/29/2012 2311			Final Weight/Volume:	5 mL
Prep Date:	09/29/2012 2311				

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown chlorinated hydrocarbon	11.76	1.1	T J

Client: Science Applications International Corp

Job Number: 180-14654-1

Client Sample ID: **MW-103**

Lab Sample ID: 180-14654-6

Client Matrix: Water

Date Sampled: 09/20/2012 0745

Date Received: 09/21/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50213	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	6092933.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/30/2012 0024			Final Weight/Volume:	5 mL
Prep Date:	09/30/2012 0024				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	4.9	J	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	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: 180-14654-1

Client Sample ID: **MW-103**

Lab Sample ID: 180-14654-6

Client Matrix: Water

Date Sampled: 09/20/2012 0745

Date Received: 09/21/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50213	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	6092933.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/30/2012 0024			Final Weight/Volume:	5 mL
Prep Date:	09/30/2012 0024				

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)	124		64 - 135
Toluene-d8 (Surr)	83		71 - 118
4-Bromofluorobenzene (Surr)	92		70 - 118
Dibromofluoromethane (Surr)	103		70 - 128

Client: Science Applications International Corp

Job Number: 180-14654-1

Client Sample ID: **MW-103**

Lab Sample ID: 180-14654-6

Client Matrix: Water

Date Sampled: 09/20/2012 0745

Date Received: 09/21/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-50213	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	6092933.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/30/2012 0024			Final Weight/Volume:	5 mL
Prep Date:	09/30/2012 0024				

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
66-25-1	Hexanal	9.79	1.4	T J N
124-19-6	Nonanal	13.78	4.1	T J N

Client: Science Applications International Corp

Job Number: 180-14654-1

Client Sample ID: **TMP-2**

Lab Sample ID: 180-14654-2

Client Matrix: Water

Date Sampled: 09/20/2012 0915

Date Received: 09/21/2012 0900

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-50568	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-50052	Lab File ID:	V1002012.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	10/02/2012 1333			Final Weight/Volume:	1.0 mL
Prep Date:	09/27/2012 1547			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	1.3	J	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: 180-14654-1

Client Sample ID: **TMP-2**

Lab Sample ID: 180-14654-2

Client Matrix: Water

Date Sampled: 09/20/2012 0915

Date Received: 09/21/2012 0900

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-50568	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-50052	Lab File ID:	V1002012.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	10/02/2012 1333			Final Weight/Volume:	1.0 mL
Prep Date:	09/27/2012 1547			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	70		16 - 122
2-Fluorobiphenyl	60		19 - 107
2-Fluorophenol	57		10 - 111
Nitrobenzene-d5	64		23 - 112
Phenol-d5	61		15 - 112
Terphenyl-d14	95		10 - 132

Client: Science Applications International Corp

Job Number: 180-14654-1

Client Sample ID: **MW-107**

Lab Sample ID: 180-14654-3

Client Matrix: Water

Date Sampled: 09/20/2012 0805

Date Received: 09/21/2012 0900

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-50568	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-50052	Lab File ID:	V1002013.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	10/02/2012 1357			Final Weight/Volume:	1.0 mL
Prep Date:	09/27/2012 1547			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	3.0		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	0.041	J	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: 180-14654-1

Client Sample ID: **MW-107**

Lab Sample ID: 180-14654-3

Client Matrix: Water

Date Sampled: 09/20/2012 0805

Date Received: 09/21/2012 0900

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-50568	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-50052	Lab File ID:	V1002013.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	10/02/2012 1357			Final Weight/Volume:	1.0 mL
Prep Date:	09/27/2012 1547			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	0.022	J	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	0.031	J	0.015	0.19
Phenol	ND		0.056	0.19
Phenanthrene	0.058	J	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	78		16 - 122
2-Fluorobiphenyl	65		19 - 107
2-Fluorophenol	55		10 - 111
Nitrobenzene-d5	66		23 - 112
Phenol-d5	54		15 - 112
Terphenyl-d14	95		10 - 132

Client: Science Applications International Corp

Job Number: 180-14654-1

Client Sample ID: **MW-111**

Lab Sample ID: 180-14654-4

Client Matrix: Water

Date Sampled: 09/20/2012 1000

Date Received: 09/21/2012 0900

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-50568	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-50052	Lab File ID:	V1002014.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	10/02/2012 1420			Final Weight/Volume:	1.0 mL
Prep Date:	09/27/2012 1547			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: 180-14654-1

Client Sample ID: **MW-111**

Lab Sample ID: 180-14654-4

Client Matrix: Water

Date Sampled: 09/20/2012 1000

Date Received: 09/21/2012 0900

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-50568	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-50052	Lab File ID:	V1002014.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	10/02/2012 1420			Final Weight/Volume:	1.0 mL
Prep Date:	09/27/2012 1547			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	81		16 - 122
2-Fluorobiphenyl	69		19 - 107
2-Fluorophenol	66		10 - 111
Nitrobenzene-d5	72		23 - 112
Phenol-d5	71		15 - 112
Terphenyl-d14	99		10 - 132

Client: Science Applications International Corp

Job Number: 180-14654-1

Client Sample ID: **MW-103**

Lab Sample ID: 180-14654-6

Client Matrix: Water

Date Sampled: 09/20/2012 0745

Date Received: 09/21/2012 0900

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-50568	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-50052	Lab File ID:	V1002015.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	10/02/2012 1444			Final Weight/Volume:	1.0 mL
Prep Date:	09/27/2012 1547			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	0.14	J	0.14	0.96
Dimethyl phthalate	ND		0.074	0.96

Client: Science Applications International Corp

Job Number: 180-14654-1

Client Sample ID: **MW-103**

Lab Sample ID: 180-14654-6

Client Matrix: Water

Date Sampled: 09/20/2012 0745

Date Received: 09/21/2012 0900

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-50568	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-50052	Lab File ID:	V1002015.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	10/02/2012 1444			Final Weight/Volume:	1.0 mL
Prep Date:	09/27/2012 1547			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	0.92	J	0.14	1.9

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	87		16 - 122
2-Fluorobiphenyl	75		19 - 107
2-Fluorophenol	75		10 - 111
Nitrobenzene-d5	80		23 - 112
Phenol-d5	79		15 - 112
Terphenyl-d14	98		10 - 132

Client: Science Applications International Corp

Job Number: 180-14654-1

Client Sample ID: **TMP-2**

Lab Sample ID: 180-14654-2

Client Matrix: Water

Date Sampled: 09/20/2012 0915

Date Received: 09/21/2012 0900

6020A Metals (ICP/MS)

Analysis Method:	6020A	Analysis Batch:	180-51613	Instrument ID:	X
Prep Method:	3010A	Prep Batch:	180-50753	Lab File ID:	X21010AA.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	10/10/2012 1558			Final Weight/Volume:	50 mL
Prep Date:	10/04/2012 0820				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	3.2		0.29	1.0
Barium	200		0.098	10
Lead	6.5	B	0.019	1.0
Iron	8900	B	6.1	50
Manganese	1400	B	0.039	5.0
Vanadium	12	B	0.082	1.0

6020A Metals (ICP/MS)-Dissolved

Analysis Method:	6020A	Analysis Batch:	180-51613	Instrument ID:	X
Prep Method:	3005A	Prep Batch:	180-51073	Lab File ID:	X21010AA.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	10/10/2012 1807			Final Weight/Volume:	50 mL
Prep Date:	10/08/2012 0732				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	ND		0.29	1.0
Barium	170		0.098	10
Iron	220		6.1	50
Lead	0.18	J	0.019	1.0
Manganese	1300	B	0.039	5.0
Vanadium	2.2		0.082	1.0

Client: Science Applications International Corp

Job Number: 180-14654-1

Client Sample ID: **MW-107**

Lab Sample ID: 180-14654-3

Client Matrix: Water

Date Sampled: 09/20/2012 0805

Date Received: 09/21/2012 0900

6020A Metals (ICP/MS)

Analysis Method:	6020A	Analysis Batch:	180-51613	Instrument ID:	X
Prep Method:	3010A	Prep Batch:	180-50753	Lab File ID:	X21010AA.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	10/10/2012 1603			Final Weight/Volume:	50 mL
Prep Date:	10/04/2012 0820				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	1.6		0.29	1.0
Barium	99		0.098	10
Lead	4.8	B	0.019	1.0
Iron	11000	B	6.1	50
Manganese	4700	B	0.039	5.0
Vanadium	0.36	J B	0.082	1.0

6020A Metals (ICP/MS)-Dissolved

Analysis Method:	6020A	Analysis Batch:	180-51613	Instrument ID:	X
Prep Method:	3005A	Prep Batch:	180-51073	Lab File ID:	X21010AA.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	10/10/2012 1826			Final Weight/Volume:	50 mL
Prep Date:	10/08/2012 0732				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	ND		0.29	1.0
Barium	53		0.098	10
Iron	170		6.1	50
Lead	0.060	J	0.019	1.0
Manganese	5000	B	0.039	5.0
Vanadium	1.6		0.082	1.0

Client: Science Applications International Corp

Job Number: 180-14654-1

Client Sample ID: **MW-111**

Lab Sample ID: 180-14654-4

Client Matrix: Water

Date Sampled: 09/20/2012 1000

Date Received: 09/21/2012 0900

6020A Metals (ICP/MS)

Analysis Method:	6020A	Analysis Batch:	180-51613	Instrument ID:	X
Prep Method:	3010A	Prep Batch:	180-50753	Lab File ID:	X21010AA.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	10/10/2012 1607			Final Weight/Volume:	50 mL
Prep Date:	10/04/2012 0820				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	1.0		0.29	1.0
Barium	73		0.098	10
Lead	2.4	B	0.019	1.0
Iron	5000	B	6.1	50
Manganese	4900	B	0.039	5.0
Vanadium	ND		0.082	1.0

6020A Metals (ICP/MS)-Dissolved

Analysis Method:	6020A	Analysis Batch:	180-51613	Instrument ID:	X
Prep Method:	3005A	Prep Batch:	180-51073	Lab File ID:	X21010AA.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	10/10/2012 1831			Final Weight/Volume:	50 mL
Prep Date:	10/08/2012 0732				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	ND		0.29	1.0
Barium	54		0.098	10
Iron	170		6.1	50
Lead	0.044	J	0.019	1.0
Manganese	5200	B	0.039	5.0
Vanadium	1.3		0.082	1.0

Client: Science Applications International Corp

Job Number: 180-14654-1

Client Sample ID: **MW-103**

Lab Sample ID: 180-14654-6

Client Matrix: Water

Date Sampled: 09/20/2012 0745

Date Received: 09/21/2012 0900

6020A Metals (ICP/MS)

Analysis Method:	6020A	Analysis Batch:	180-51613	Instrument ID:	X
Prep Method:	3010A	Prep Batch:	180-50753	Lab File ID:	X21010AA.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	10/10/2012 1611			Final Weight/Volume:	50 mL
Prep Date:	10/04/2012 0820				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	2.1		0.29	1.0
Barium	72		0.098	10
Lead	4.3	B	0.019	1.0
Iron	8500	B	6.1	50
Manganese	130	B	0.039	5.0
Vanadium	15	B	0.082	1.0

6020A Metals (ICP/MS)-Dissolved

Analysis Method:	6020A	Analysis Batch:	180-51613	Instrument ID:	X
Prep Method:	3005A	Prep Batch:	180-51073	Lab File ID:	X21010AA.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	10/10/2012 1849			Final Weight/Volume:	50 mL
Prep Date:	10/08/2012 0732				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	2.8		0.29	1.0
Barium	93		0.098	10
Iron	18000		6.1	50
Lead	7.2		0.019	1.0
Manganese	190	B	0.039	5.0
Vanadium	23		0.082	1.0

Client: Science Applications International Corp

Job Number: 180-14654-1

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
180-14654-1	TRIP BLANK	101	119	85	92
180-14654-2	TMP-2	103	127	90	94
180-14654-3	MW-107	102	124	88	93
180-14654-4	MW-111	103	127	86	93
180-14654-5	WWT-1	104	131	88	91
180-14654-6	MW-103	103	124	83	92
MB 180-50213/4		102	124	84	91
LCS 180-50213/5		110	121	98	101
LCSD 180-50213/6		97	110	90	95

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: 180-14654-1

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
180-14654-2	TMP-2	57	61	64	60	70	95
180-14654-3	MW-107	55	54	66	65	78	95
180-14654-4	MW-111	66	71	72	69	81	99
180-14654-6	MW-103	75	79	80	75	87	98
MB 180-50052/1-A		74	77	74	71	74	91
LCS 180-50052/2-A		71	74	71	70	80	88
LCSD 180-50052/3-A		69	72	70	70	79	87

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: 180-14654-1

Method Blank - Batch: 180-50213

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 180-50213/4	Analysis Batch:	180-50213	Instrument ID:	HP6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	6092910.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/29/2012 1456	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/29/2012 1456				
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: 180-14654-1

Method Blank - Batch: 180-50213

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 180-50213/4	Analysis Batch:	180-50213	Instrument ID:	HP6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	6092910.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/29/2012 1456	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/29/2012 1456				
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	53.1	J	34	200

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	124	64 - 135
Toluene-d8 (Surr)	84	71 - 118
4-Bromofluorobenzene (Surr)	91	70 - 118
Dibromofluoromethane (Surr)	102	70 - 128

Method Blank TICs- Batch: 180-50213

Cas Number	Analyte	RT	Est. Result	Qual
109-99-9	Tetrahydrofuran	6.34	0.778	J
	Tentatively Identified Compound		None	

Client: Science Applications International Corp

Job Number: 180-14654-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 180-50213

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 180-50213/5	Analysis Batch:	180-50213	Instrument ID:	HP6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	6092911.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/29/2012 1533	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/29/2012 1533				5 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 180-50213/6	Analysis Batch:	180-50213	Instrument ID:	HP6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	6092912.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/29/2012 1558	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/29/2012 1558				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acetone	149	142	22 - 150	5	35		
Benzene	112	95	80 - 120	17	32		
Bromodichloromethane	107	94	66 - 130	13	35		
Bromoform	105	99	46 - 150	6	35		
Bromomethane	141	114	33 - 150	21	35		
2-Butanone (MEK)	117	103	39 - 138	13	35		
Carbon disulfide	90	73	54 - 132	21	35		
Carbon tetrachloride	97	82	55 - 150	17	35		
Chlorobenzene	110	100	80 - 120	10	29		
Chloroethane	143	123	36 - 142	15	35	*	
Chloroform	116	100	72 - 127	15	35		
Dibromochloromethane	108	100	60 - 140	8	35		
1,2-Dibromo-3-Chloropropane	92	82	37 - 133	12	35		
1,2-Dibromoethane (EDB)	105	99	74 - 123	6	35		
1,1-Dichloroethane	116	100	73 - 126	15	35		
1,2-Dichloroethane	128	110	68 - 132	15	32		
1,1-Dichloroethene	113	94	65 - 136	19	35		
trans-1,2-Dichloroethene	115	92	73 - 126	22	35		
1,2-Dichloropropane	121	101	76 - 124	18	34		
cis-1,3-Dichloropropene	89	79	66 - 120	12	35		
trans-1,3-Dichloropropene	78	73	65 - 125	6	35		
Ethylbenzene	107	95	72 - 126	12	33		
2-Hexanone	95	81	25 - 132	15	35		
Methylene Chloride	109	91	63 - 129	18	35		
4-Methyl-2-pentanone (MIBK)	88	79	45 - 145	11	35		
Styrene	103	92	71 - 127	12	34		
1,1,2,2-Tetrachloroethane	101	91	62 - 125	11	35		
Tetrachloroethene	121	109	70 - 135	10	35		
Toluene	107	95	80 - 123	12	35		
1,1,1-Trichloroethane	102	85	63 - 133	17	35		
1,1,2-Trichloroethane	105	96	77 - 127	9	35		
Trichloroethene	110	95	73 - 120	15	35		
Trichlorofluoromethane	123	100	44 - 150	21	35		
Vinyl chloride	106	92	53 - 138	15	35		
Xylenes, Total	105	94	76 - 128	11	32		
Cyclohexane	103	87	45 - 142	17	35		

Client: Science Applications International Corp

Job Number: 180-14654-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 180-50213

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 180-50213/5	Analysis Batch:	180-50213	Instrument ID:	HP6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	6092911.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/29/2012 1533	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/29/2012 1533				5 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 180-50213/6	Analysis Batch:	180-50213	Instrument ID:	HP6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	6092912.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/29/2012 1558	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	09/29/2012 1558				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
cis-1,2-Dichloroethene	110	92	70 - 120	18	35		
Dichlorodifluoromethane	126	107	13 - 150	17	35		
Isopropylbenzene	107	94	58 - 130	13	35		
Methyl acetate	109	87	47 - 142	22	35		
Methylcyclohexane	101	86	45 - 145	16	35		
Methyl tert-butyl ether	90	80	64 - 123	11	35		
1,1,2-Trichloro-1,2,2-trifluoroethane	110	95	46 - 148	15	35		
1,2-Dichlorobenzene	111	101	77 - 120	9	24		
1,3-Dichlorobenzene	106	95	76 - 120	11	24		
1,4-Dichlorobenzene	105	97	77 - 120	8	24		
1,2,4-Trichlorobenzene	118	111	60 - 127	6	35		
Chloromethane	109	92	50 - 139	18	35		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	121	110	64 - 135
Toluene-d8 (Surr)	98	90	71 - 118
4-Bromofluorobenzene (Surr)	101	95	70 - 118
Dibromofluoromethane (Surr)	110	97	70 - 128

Client: Science Applications International Corp

Job Number: 180-14654-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 180-50213

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 180-50213/5	Units:	ug/L	LCSD Lab Sample ID:	LCSD 180-50213/6
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/29/2012 1533			Analysis Date:	09/29/2012 1558
Prep Date:	09/29/2012 1533			Prep Date:	09/29/2012 1558
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	14.9		14.2
Benzene	10.0	10.0	11.2		9.53
Bromodichloromethane	10.0	10.0	10.7		9.37
Bromoform	10.0	10.0	10.5		9.93
Bromomethane	10.0	10.0	14.1		11.4
2-Butanone (MEK)	10.0	10.0	11.7		10.3
Carbon disulfide	10.0	10.0	9.02		7.33
Carbon tetrachloride	10.0	10.0	9.74		8.21
Chlorobenzene	10.0	10.0	11.0		9.96
Chloroethane	10.0	10.0	14.3	*	12.3
Chloroform	10.0	10.0	11.6		9.99
Dibromochloromethane	10.0	10.0	10.8		9.99
1,2-Dibromo-3-Chloropropane	10.0	10.0	9.24		8.18
1,2-Dibromoethane (EDB)	10.0	10.0	10.5		9.94
1,1-Dichloroethane	10.0	10.0	11.6		10.0
1,2-Dichloroethane	10.0	10.0	12.8		11.0
1,1-Dichloroethene	10.0	10.0	11.3		9.41
trans-1,2-Dichloroethene	10.0	10.0	11.5		9.16
1,2-Dichloropropane	10.0	10.0	12.1		10.1
cis-1,3-Dichloropropene	10.0	10.0	8.90		7.93
trans-1,3-Dichloropropene	10.0	10.0	7.75		7.33
Ethylbenzene	10.0	10.0	10.7		9.46
2-Hexanone	10.0	10.0	9.47		8.14
Methylene Chloride	10.0	10.0	10.9		9.10
4-Methyl-2-pentanone (MIBK)	10.0	10.0	8.77		7.86
Styrene	10.0	10.0	10.3		9.18
1,1,2,2-Tetrachloroethane	10.0	10.0	10.1		9.09
Tetrachloroethene	10.0	10.0	12.1		10.9
Toluene	10.0	10.0	10.7		9.46
1,1,1-Trichloroethane	10.0	10.0	10.2		8.52
1,1,2-Trichloroethane	10.0	10.0	10.5		9.59
Trichloroethene	10.0	10.0	11.0		9.47
Trichlorofluoromethane	10.0	10.0	12.3		9.98
Vinyl chloride	10.0	10.0	10.6		9.16
Xylenes, Total	30.0	30.0	31.4		28.1
Cyclohexane	10.0	10.0	10.3		8.71
cis-1,2-Dichloroethene	10.0	10.0	11.0		9.20
Dichlorodifluoromethane	10.0	10.0	12.6		10.7
Isopropylbenzene	10.0	10.0	10.7		9.43

Client: Science Applications International Corp

Job Number: 180-14654-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 180-50213

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 180-50213/5	Units:	ug/L	LCSD Lab Sample ID:	LCSD 180-50213/6
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/29/2012 1533			Analysis Date:	09/29/2012 1558
Prep Date:	09/29/2012 1533			Prep Date:	09/29/2012 1558
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	10.9	8.74
Methylcyclohexane	10.0	10.0	10.1	8.60
Methyl tert-butyl ether	10.0	10.0	8.97	8.01
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.0	11.0	9.47
1,2-Dichlorobenzene	10.0	10.0	11.1	10.1
1,3-Dichlorobenzene	10.0	10.0	10.6	9.47
1,4-Dichlorobenzene	10.0	10.0	10.5	9.65
1,2,4-Trichlorobenzene	10.0	10.0	11.8	11.1
Chloromethane	10.0	10.0	10.9	9.17

Client: Science Applications International Corp

Job Number: 180-14654-1

Method Blank - Batch: 180-50052

Method: 8270C LL
Preparation: 3520C

Lab Sample ID:	MB 180-50052/1-A	Analysis Batch:	180-50568	Instrument ID:	731
Client Matrix:	Water	Prep Batch:	180-50052	Lab File ID:	V1002009.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	10/02/2012 1025	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	09/27/2012 1547			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: 180-14654-1

Method Blank - Batch: 180-50052

Method: 8270C LL
Preparation: 3520C

Lab Sample ID:	MB 180-50052/1-A	Analysis Batch:	180-50568	Instrument ID:	731
Client Matrix:	Water	Prep Batch:	180-50052	Lab File ID:	V1002009.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	10/02/2012 1025	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	09/27/2012 1547			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	74	16 - 122
2-Fluorobiphenyl	71	19 - 107
2-Fluorophenol	74	10 - 111
Nitrobenzene-d5	74	23 - 112
Phenol-d5	77	15 - 112
Terphenyl-d14	91	10 - 132

Client: Science Applications International Corp

Job Number: 180-14654-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 180-50052

Method: 8270C LL
Preparation: 3520C

LCS Lab Sample ID:	LCS 180-50052/2-A	Analysis Batch:	180-50568	Instrument ID:	731
Client Matrix:	Water	Prep Batch:	180-50052	Lab File ID:	V1002010.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	10/02/2012 1159	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	09/27/2012 1547			Injection Volume:	2 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 180-50052/3-A	Analysis Batch:	180-50568	Instrument ID:	731
Client Matrix:	Water	Prep Batch:	180-50052	Lab File ID:	V1002011.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	10/02/2012 1222	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	09/27/2012 1547			Injection Volume:	2 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acenaphthene	72	70	35 - 99	3	41		
Acenaphthylene	78	76	37 - 107	3	40		
Acetophenone	74	71	30 - 150	4	35		
Anthracene	69	71	35 - 105	3	37		
Atrazine	118	117	30 - 150	1	35		
Benzaldehyde	50	49	30 - 150	1	35		
Benzo[a]anthracene	77	73	38 - 101	5	36		
Benzo[b]fluoranthene	79	70	29 - 98	12	46		
Benzo[k]fluoranthene	68	76	28 - 107	11	31		
Benzo[g,h,i]perylene	75	74	20 - 115	2	44		
Benzo[a]pyrene	80	77	26 - 108	3	40		
Bis(2-chloroethoxy)methane	74	69	33 - 98	6	46		
Bis(2-chloroethyl)ether	69	67	33 - 95	2	38		
Bis(2-ethylhexyl) phthalate	78	75	20 - 116	4	40		
Butyl benzyl phthalate	80	75	36 - 108	6	40		
1,1'-Biphenyl	70	68	30 - 150	2	35		
Caprolactam	76	77	30 - 150	1	35		
Carbazole	65	66	29 - 112	1	35		
Chrysene	80	79	37 - 99	1	42		
2-Chloronaphthalene	69	69	34 - 96	0	39		
2-Chlorophenol	72	69	31 - 99	4	39		
2,4-Dichlorophenol	74	70	34 - 104	6	41		
2,4-Dimethylphenol	74	69	33 - 97	7	40		
2,4-Dinitrophenol	68	62	10 - 130	9	53		
2,4-Dinitrotoluene	70	69	37 - 115	1	39		
2,6-Dinitrotoluene	72	72	39 - 113	1	40		
2-Methylnaphthalene	72	68	34 - 98	6	42		
2-Methylphenol	69	67	33 - 98	3	38		
2-Nitroaniline	70	68	29 - 112	3	65		
2-Nitrophenol	76	72	34 - 107	5	41		
2,2'-oxybis[1-chloropropane]	67	65	30 - 99	2	42		
2,4,5-Trichlorophenol	67	60	34 - 104	11	39		
2,4,6-Trichlorophenol	73	70	36 - 103	5	39		
4-Nitroaniline	69	68	20 - 124	1	45		
4-Nitrophenol	68	62	29 - 115	9	42		
4-Chlorophenyl phenyl ether	74	73	34 - 103	2	38		

Client: Science Applications International Corp

Job Number: 180-14654-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 180-50052

Method: 8270C LL
Preparation: 3520C

LCS Lab Sample ID:	LCS 180-50052/2-A	Analysis Batch:	180-50568	Instrument ID:	731
Client Matrix:	Water	Prep Batch:	180-50052	Lab File ID:	V1002010.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	10/02/2012 1159	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	09/27/2012 1547			Injection Volume:	2 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 180-50052/3-A	Analysis Batch:	180-50568	Instrument ID:	731
Client Matrix:	Water	Prep Batch:	180-50052	Lab File ID:	V1002011.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	10/02/2012 1222	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	09/27/2012 1547			Injection Volume:	2 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Methylphenol, 3 & 4	75	71	32 - 100	5	41		
4,6-Dinitro-2-methylphenol	69	68	24 - 124	0	41		
4-Chloroaniline	77	72	10 - 99	6	39		
4-Chloro-3-methylphenol	71	65	35 - 104	9	42		
4-Bromophenyl phenyl ether	72	71	37 - 104	2	40		
Dibenz(a,h)anthracene	65	64	19 - 118	1	44		
Dibenzofuran	70	68	34 - 101	3	39		
Di-n-butyl phthalate	68	67	37 - 111	1	38		
Diethyl phthalate	70	71	36 - 109	1	39		
Dimethyl phthalate	69	68	37 - 106	2	42		
Di-n-octyl phthalate	79	76	11 - 127	3	44		
3,3'-Dichlorobenzidine	80	77	10 - 89	4	56		
3-Nitroaniline	70	69	11 - 104	2	48		
Fluoranthene	68	68	32 - 112	1	39		
Fluorene	73	70	34 - 104	5	40		
Hexachlorobenzene	77	80	35 - 102	4	35		
Hexachlorobutadiene	72	69	35 - 100	4	41		
Hexachlorocyclopentadiene	83	80	36 - 115	4	47		
Hexachloroethane	66	66	32 - 94	1	39		
Indeno[1,2,3-cd]pyrene	69	69	22 - 115	0	54		
Isophorone	76	73	38 - 102	4	43		
Naphthalene	72	68	35 - 97	5	43		
Nitrobenzene	70	68	37 - 100	4	42		
N-Nitrosodiphenylamine	73	74	32 - 102	2	36		
N-Nitrosodi-n-propylamine	72	70	34 - 101	3	43		
Pyrene	84	82	35 - 106	2	42		
Phenol	69	65	32 - 95	6	39		
Phenanthrene	73	72	32 - 104	1	36		
Pentachlorophenol	63	60	15 - 111	5	42		
1,4-Dioxane	70	67	23 - 88	4	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4,6-Tribromophenol	80	79	16 - 122
2-Fluorobiphenyl	70	70	19 - 107
2-Fluorophenol	71	69	10 - 111
Nitrobenzene-d5	71	70	23 - 112

Client: Science Applications International Corp

Job Number: 180-14654-1

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Phenol-d5	74	72	15 - 112
Terphenyl-d14	88	87	10 - 132

Client: Science Applications International Corp

Job Number: 180-14654-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 180-50052

Method: 8270C LL
Preparation: 3520C

LCS Lab Sample ID:	LCS 180-50052/2-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 180-50052/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	10/02/2012 1159			Analysis Date:	10/02/2012 1222
Prep Date:	09/27/2012 1547			Prep Date:	09/27/2012 1547
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	14.0
Acenaphthylene	20.0	20.0	15.7	15.3
Acetophenone	20.0	20.0	14.8	14.2
Anthracene	20.0	20.0	13.8	14.2
Atrazine	20.0	20.0	23.5	23.3
Benzaldehyde	20.0	20.0	9.91	9.86
Benzo[a]anthracene	20.0	20.0	15.5	14.7
Benzo[b]fluoranthene	20.0	20.0	15.9	14.1
Benzo[k]fluoranthene	20.0	20.0	13.6	15.2
Benzo[g,h,i]perylene	20.0	20.0	15.0	14.8
Benzo[a]pyrene	20.0	20.0	15.9	15.4
Bis(2-chloroethoxy)methane	20.0	20.0	14.8	13.9
Bis(2-chloroethyl)ether	20.0	20.0	13.8	13.4
Bis(2-ethylhexyl) phthalate	20.0	20.0	15.7	15.1
Butyl benzyl phthalate	20.0	20.0	16.0	15.0
1,1'-Biphenyl	20.0	20.0	13.9	13.7
Caprolactam	20.0	20.0	15.2	15.4
Carbazole	20.0	20.0	13.0	13.2
Chrysene	20.0	20.0	15.9	15.7
2-Chloronaphthalene	20.0	20.0	13.8	13.8
2-Chlorophenol	20.0	20.0	14.3	13.8
2,4-Dichlorophenol	20.0	20.0	14.9	14.1
2,4-Dimethylphenol	20.0	20.0	14.7	13.8
2,4-Dinitrophenol	20.0	20.0	13.7	12.5
2,4-Dinitrotoluene	20.0	20.0	14.0	13.8
2,6-Dinitrotoluene	20.0	20.0	14.5	14.4
2-Methylnaphthalene	20.0	20.0	14.4	13.6
2-Methylphenol	20.0	20.0	13.7	13.3
2-Nitroaniline	20.0	20.0	14.0	13.5
2-Nitrophenol	20.0	20.0	15.1	14.4
2,2'-oxybis[1-chloropropane]	20.0	20.0	13.3	13.1
2,4,5-Trichlorophenol	20.0	20.0	13.4	12.0
2,4,6-Trichlorophenol	20.0	20.0	14.7	14.0
4-Nitroaniline	20.0	20.0	13.9	13.7
4-Nitrophenol	20.0	20.0	13.7	12.5
4-Chlorophenyl phenyl ether	20.0	20.0	14.8	14.5
Methylphenol, 3 & 4	40.0	40.0	29.9	28.3
4,6-Dinitro-2-methylphenol	20.0	20.0	13.7	13.7
4-Chloroaniline	20.0	20.0	15.3	14.5

Client: Science Applications International Corp

Job Number: 180-14654-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 180-50052

Method: 8270C LL
Preparation: 3520C

LCS Lab Sample ID:	LCS 180-50052/2-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 180-50052/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	10/02/2012 1159			Analysis Date:	10/02/2012 1222
Prep Date:	09/27/2012 1547			Prep Date:	09/27/2012 1547
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	14.2	12.9
4-Bromophenyl phenyl ether	20.0	20.0	14.5	14.1
Dibenz(a,h)anthracene	20.0	20.0	12.9	12.8
Dibenzofuran	20.0	20.0	14.0	13.5
Di-n-butyl phthalate	20.0	20.0	13.5	13.4
Diethyl phthalate	20.0	20.0	14.1	14.2
Dimethyl phthalate	20.0	20.0	13.8	13.6
Di-n-octyl phthalate	20.0	20.0	15.7	15.3
3,3'-Dichlorobenzidine	20.0	20.0	15.9	15.4
3-Nitroaniline	20.0	20.0	14.0	13.7
Fluoranthene	20.0	20.0	13.5	13.6
Fluorene	20.0	20.0	14.6	13.9
Hexachlorobenzene	20.0	20.0	15.4	15.9
Hexachlorobutadiene	20.0	20.0	14.4	13.8
Hexachlorocyclopentadiene	20.0	20.0	16.6	16.0
Hexachloroethane	20.0	20.0	13.2	13.1
Indeno[1,2,3-cd]pyrene	20.0	20.0	13.9	13.8
Isophorone	20.0	20.0	15.2	14.5
Naphthalene	20.0	20.0	14.3	13.6
Nitrobenzene	20.0	20.0	14.1	13.6
N-Nitrosodiphenylamine	20.0	20.0	14.5	14.7
N-Nitrosodi-n-propylamine	20.0	20.0	14.3	13.9
Pyrene	20.0	20.0	16.9	16.5
Phenol	20.0	20.0	13.7	13.0
Phenanthrene	20.0	20.0	14.6	14.5
Pentachlorophenol	20.0	20.0	12.6	12.0
1,4-Dioxane	20.0	20.0	13.9	13.3

Client: Science Applications International Corp

Job Number: 180-14654-1

Method Blank - Batch: 180-50753

Method: 6020A
Preparation: 3010A

Lab Sample ID:	MB 180-50753/1-A	Analysis Batch:	180-51613	Instrument ID:	X
Client Matrix:	Water	Prep Batch:	180-50753	Lab File ID:	X21010AA.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	10/10/2012 1547	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	10/04/2012 0820				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Arsenic	ND		0.29	1.0
Barium	ND		0.098	10
Iron	13.5	J	6.1	50
Lead	0.0190	J	0.019	1.0
Manganese	0.232	J	0.039	5.0
Vanadium	0.122	J	0.082	1.0

Lab Control Sample - Batch: 180-50753

Method: 6020A
Preparation: 3010A

Lab Sample ID:	LCS 180-50753/2-A	Analysis Batch:	180-51613	Instrument ID:	X
Client Matrix:	Water	Prep Batch:	180-50753	Lab File ID:	X21010AA.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	10/10/2012 1551	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	10/04/2012 0820				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	40.0	37.5	94	80 - 120	
Barium	2000	1880	94	80 - 120	
Iron	1000	1050	105	80 - 120	
Lead	20.0	20.2	101	80 - 120	
Manganese	500	488	98	80 - 120	
Vanadium	500	490	98	80 - 120	

Client: Science Applications International Corp

Job Number: 180-14654-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 180-50753

Method: 6020A
Preparation: 3010A

MS Lab Sample ID:	180-14677-C-11-B MS	Analysis Batch:	180-51613	Instrument ID:	X
Client Matrix:	Water	Prep Batch:	180-50753	Lab File ID:	X21010AA.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	10/10/2012 1720			Final Weight/Volume:	50 mL
Prep Date:	10/04/2012 0820				
Leach Date:	N/A				

MSD Lab Sample ID:	180-14677-C-11-C MSD	Analysis Batch:	180-51613	Instrument ID:	X
Client Matrix:	Water	Prep Batch:	180-50753	Lab File ID:	X21010AA.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	10/10/2012 1725			Final Weight/Volume:	50 mL
Prep Date:	10/04/2012 0820				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Arsenic	94	93	75 - 125	1	20		
Barium	94	94	75 - 125	0	20		
Iron	108	111	75 - 125	2	20		
Lead	109	106	75 - 125	3	20		
Manganese	101	100	75 - 125	1	20		
Vanadium	100	100	75 - 125	0	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 180-50753

Method: 6020A
Preparation: 3010A

MS Lab Sample ID:	180-14677-C-11-B MS	Units:	ug/L
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	10/10/2012 1720		
Prep Date:	10/04/2012 0820		
Leach Date:	N/A		

MSD Lab Sample ID:	180-14677-C-11-C MSD
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	10/10/2012 1725
Prep Date:	10/04/2012 0820
Leach Date:	N/A

	Sample		MS Spike	MSD Spike	MS	MSD
Analyte	Result/Qual		Amount	Amount	Result/Qual	Result/Qual
Arsenic	ND		40.0	40.0	37.6	37.1
Barium	7.4	J	2000	2000	1890	1880
Iron	260		1000	1000	1340	1370
Lead	0.34	J	20.0	20.0	22.2	21.6
Manganese	38		500	500	541	537
Vanadium	5.1		500	500	504	503

Client: Science Applications International Corp

Job Number: 180-14654-1

Serial Dilution - Batch: 180-50753

Method: 6020A
Preparation: 3010A

Lab Sample ID:	180-14677-C-11-A SD ^5	Analysis Batch:	180-51613	Instrument ID:	X
Client Matrix:	Water	Prep Batch:	180-50753	Lab File ID:	X21010AA.xml
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	10/10/2012 1716	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	10/04/2012 0820				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Arsenic	ND		ND	NC	10	
Barium	7.4	J	7.73	4.1	10	J
Iron	260		257	NC	10	
Lead	0.34	J	0.340	NC	10	J
Manganese	38		49.5	31	10	V
Vanadium	5.1		7.36	45	10	V

Client: Science Applications International Corp

Job Number: 180-14654-1

Method Blank - Batch: 180-51073

Method: 6020A
Preparation: 3005A
Total Recoverable

Lab Sample ID:	MB 180-51073/1-A	Analysis Batch:	180-51613	Instrument ID:	X
Client Matrix:	Water	Prep Batch:	180-51073	Lab File ID:	X21010AA.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	10/10/2012 1755	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	10/08/2012 0732				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Arsenic	ND		0.29	1.0
Barium	ND		0.098	10
Iron	ND		6.1	50
Lead	ND		0.019	1.0
Manganese	1.14	J	0.039	5.0
Vanadium	ND		0.082	1.0

Lab Control Sample - Batch: 180-51073

Method: 6020A
Preparation: 3005A
Total Recoverable

Lab Sample ID:	LCS 180-51073/2-A	Analysis Batch:	180-51613	Instrument ID:	X
Client Matrix:	Water	Prep Batch:	180-51073	Lab File ID:	X21010AA.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	10/10/2012 1759	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	10/08/2012 0732				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	40.0	38.4	96	80 - 120	
Barium	2000	1860	93	80 - 120	
Iron	1000	1080	108	80 - 120	
Lead	20.0	20.0	100	80 - 120	
Manganese	500	506	101	80 - 120	
Vanadium	500	507	101	80 - 120	

Client: Science Applications International Corp

Job Number: 180-14654-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 180-51073

Method: 6020A
Preparation: 3005A
Dissolved

MS Lab Sample ID:	180-14654-2	Analysis Batch:	180-51613	Instrument ID:	X
Client Matrix:	Water	Prep Batch:	180-51073	Lab File ID:	X21010AA.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	10/10/2012 1815			Final Weight/Volume:	50 mL
Prep Date:	10/08/2012 0732				
Leach Date:	N/A				

MSD Lab Sample ID:	180-14654-2	Analysis Batch:	180-51613	Instrument ID:	X
Client Matrix:	Water	Prep Batch:	180-51073	Lab File ID:	X21010AA.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	10/10/2012 1819			Final Weight/Volume:	50 mL
Prep Date:	10/08/2012 0732				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Arsenic	96	95	75 - 125	1	20		
Barium	93	92	75 - 125	1	20		
Iron	107	108	75 - 125	0	20		
Lead	100	100	75 - 125	0	20		
Manganese	88	93	75 - 125	2	20		
Vanadium	99	99	75 - 125	0	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 180-51073

Method: 6020A
Preparation: 3005A
Dissolved

MS Lab Sample ID:	180-14654-2	Units:	ug/L
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	10/10/2012 1815		
Prep Date:	10/08/2012 0732		
Leach Date:	N/A		

MSD Lab Sample ID:	180-14654-2
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	10/10/2012 1819
Prep Date:	10/08/2012 0732
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Arsenic	ND		40.0	40.0	38.4	38.1
Barium	170		2000	2000	2020	2010
Iron	220		1000	1000	1290	1290
Lead	0.18	J	20.0	20.0	20.1	20.2
Manganese	1300		500	500	1690	1720
Vanadium	2.2		500	500	497	498

Client: Science Applications International Corp

Job Number: 180-14654-1

Serial Dilution - Batch: 180-51073

Method: 6020A
Preparation: 3005A
Dissolved

Lab Sample ID:	180-14654-2	Analysis Batch:	180-51613	Instrument ID:	X
Client Matrix:	Water	Prep Batch:	180-51073	Lab File ID:	X21010AA.xml
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	10/10/2012 1811	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	10/08/2012 0732				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Arsenic	ND		ND	NC	10	
Barium	170		167	0.91	10	
Iron	220		223	NC	10	J
Lead	0.18	J	0.240	NC	10	J
Manganese	1300		1230	1.7	10	
Vanadium	2.2		3.51	NC	10	J

DATA REPORTING QUALIFIERS

Client: Science Applications International Corp

Job Number: 180-14654-1

Lab Section	Qualifier	Description
GC/MS VOA		
	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		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
Metals		
	B	Compound was found in the blank and sample.
	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: 180-14654-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:180-50213					
LCS 180-50213/5	Lab Control Sample	T	Water	8260B	
LCSD 180-50213/6	Lab Control Sample Duplicate	T	Water	8260B	
MB 180-50213/4	Method Blank	T	Water	8260B	
180-14654-1	TRIP BLANK	T	Water	8260B	
180-14654-2	TMP-2	T	Water	8260B	
180-14654-3	MW-107	T	Water	8260B	
180-14654-4	MW-111	T	Water	8260B	
180-14654-5	WWT-1	T	Water	8260B	
180-14654-6	MW-103	T	Water	8260B	

Report Basis
T = Total

GC/MS Semi VOA					
Prep Batch: 180-50052					
LCS 180-50052/2-A	Lab Control Sample	T	Water	3520C	
LCSD 180-50052/3-A	Lab Control Sample Duplicate	T	Water	3520C	
MB 180-50052/1-A	Method Blank	T	Water	3520C	
180-14654-2	TMP-2	T	Water	3520C	
180-14654-3	MW-107	T	Water	3520C	
180-14654-4	MW-111	T	Water	3520C	
180-14654-6	MW-103	T	Water	3520C	
Analysis Batch:180-50568					
LCS 180-50052/2-A	Lab Control Sample	T	Water	8270C LL	180-50052
LCSD 180-50052/3-A	Lab Control Sample Duplicate	T	Water	8270C LL	180-50052
MB 180-50052/1-A	Method Blank	T	Water	8270C LL	180-50052
180-14654-2	TMP-2	T	Water	8270C LL	180-50052
180-14654-3	MW-107	T	Water	8270C LL	180-50052
180-14654-4	MW-111	T	Water	8270C LL	180-50052
180-14654-6	MW-103	T	Water	8270C LL	180-50052

Report Basis
T = Total

Client: Science Applications International Corp

Job Number: 180-14654-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 180-50753					
LCS 180-50753/2-A	Lab Control Sample	T	Water	3010A	
MB 180-50753/1-A	Method Blank	T	Water	3010A	
180-14654-2	TMP-2	T	Water	3010A	
180-14654-3	MW-107	T	Water	3010A	
180-14654-4	MW-111	T	Water	3010A	
180-14654-6	MW-103	T	Water	3010A	
180-14677-C-11-B MS	Matrix Spike	T	Water	3010A	
180-14677-C-11-C MSD	Matrix Spike Duplicate	T	Water	3010A	
Prep Batch: 180-51073					
LCS 180-51073/2-A	Lab Control Sample	R	Water	3005A	
MB 180-51073/1-A	Method Blank	R	Water	3005A	
180-14654-2	TMP-2	D	Water	3005A	
180-14654-2MS	Matrix Spike	D	Water	3005A	
180-14654-2MSD	Matrix Spike Duplicate	D	Water	3005A	
180-14654-3	MW-107	D	Water	3005A	
180-14654-4	MW-111	D	Water	3005A	
180-14654-6	MW-103	D	Water	3005A	
Analysis Batch:180-51613					
LCS 180-50753/2-A	Lab Control Sample	T	Water	6020A	180-50753
MB 180-50753/1-A	Method Blank	T	Water	6020A	180-50753
LCS 180-51073/2-A	Lab Control Sample	R	Water	6020A	180-51073
MB 180-51073/1-A	Method Blank	R	Water	6020A	180-51073
180-14654-2	TMP-2	T	Water	6020A	180-50753
180-14654-2	TMP-2	D	Water	6020A	180-51073
180-14654-2MS	Matrix Spike	D	Water	6020A	180-51073
180-14654-2MSD	Matrix Spike Duplicate	D	Water	6020A	180-51073
180-14654-3	MW-107	T	Water	6020A	180-50753
180-14654-3	MW-107	D	Water	6020A	180-51073
180-14654-4	MW-111	T	Water	6020A	180-50753
180-14654-4	MW-111	D	Water	6020A	180-51073
180-14654-6	MW-103	T	Water	6020A	180-50753
180-14654-6	MW-103	D	Water	6020A	180-51073
180-14677-C-11-B MS	Matrix Spike	T	Water	6020A	180-50753
180-14677-C-11-C MSD	Matrix Spike Duplicate	T	Water	6020A	180-50753

Report Basis

D = Dissolved

R = Total Recoverable

T = Total

Client: Science Applications International Corp

Job Number: 180-14654-1

Laboratory Chronicle

Lab ID: 180-14654-1 **Client ID:** TRIP BLANK

Sample Date/Time: 09/17/2012 00:00 Received Date/Time: 09/21/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	180-14654-A-1		180-50213		09/29/2012 17:10	1	TAL PIT	JL
A:8260B	180-14654-A-1		180-50213		09/29/2012 17:10	1	TAL PIT	JL

Lab ID: 180-14654-2 **Client ID:** TMP-2

Sample Date/Time: 09/20/2012 09:15 Received Date/Time: 09/21/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	180-14654-E-2		180-50213		09/29/2012 23:36	1	TAL PIT	JL
A:8260B	180-14654-E-2		180-50213		09/29/2012 23:36	1	TAL PIT	JL
P:3520C	180-14654-B-2-A		180-50568	180-50052	09/27/2012 15:47	1	TAL PIT	BT
A:8270C LL	180-14654-B-2-A		180-50568	180-50052	10/02/2012 13:33	1	TAL PIT	VP
P:3010A	180-14654-C-2-A		180-51613	180-50753	10/04/2012 08:20	1	TAL PIT	CH
A:6020A	180-14654-C-2-A		180-51613	180-50753	10/10/2012 15:58	1	TAL PIT	BR
P:3005A	180-14654-D-2-A		180-51613	180-51073	10/08/2012 07:32	1	TAL PIT	CH
A:6020A	180-14654-D-2-A		180-51613	180-51073	10/10/2012 18:07	1	TAL PIT	BR

Lab ID: 180-14654-2 MS **Client ID:** TMP-2

Sample Date/Time: 09/20/2012 09:15 Received Date/Time: 09/21/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	180-14654-D-2-B MS		180-51613	180-51073	10/08/2012 07:32	1	TAL PIT	CH
A:6020A	180-14654-D-2-B MS		180-51613	180-51073	10/10/2012 18:15	1	TAL PIT	BR

Lab ID: 180-14654-2 MSD **Client ID:** TMP-2

Sample Date/Time: 09/20/2012 09:15 Received Date/Time: 09/21/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	180-14654-D-2-C MSD		180-51613	180-51073	10/08/2012 07:32	1	TAL PIT	CH
A:6020A	180-14654-D-2-C MSD		180-51613	180-51073	10/10/2012 18:19	1	TAL PIT	BR

Lab ID: 180-14654-2 SD **Client ID:** TMP-2

Sample Date/Time: 09/20/2012 09:15 Received Date/Time: 09/21/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	180-14654-D-2-A SD ^5		180-51613	180-51073	10/08/2012 07:32	5	TAL PIT	CH
A:6020A	180-14654-D-2-A SD ^5		180-51613	180-51073	10/10/2012 18:11	5	TAL PIT	BR

Client: Science Applications International Corp

Job Number: 180-14654-1

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Lab ID: 180-14654-3 **Client ID:** MW-107

Sample Date/Time: 09/20/2012 08:05 Received Date/Time: 09/21/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	180-14654-E-3		180-50213		09/30/2012 00:00	1	TAL PIT	JL
A:8260B	180-14654-E-3		180-50213		09/30/2012 00:00	1	TAL PIT	JL
P:3520C	180-14654-B-3-A		180-50568	180-50052	09/27/2012 15:47	1	TAL PIT	BT
A:8270C LL	180-14654-B-3-A		180-50568	180-50052	10/02/2012 13:57	1	TAL PIT	VP
P:3010A	180-14654-C-3-A		180-51613	180-50753	10/04/2012 08:20	1	TAL PIT	CH
A:6020A	180-14654-C-3-A		180-51613	180-50753	10/10/2012 16:03	1	TAL PIT	BR
P:3005A	180-14654-D-3-A		180-51613	180-51073	10/08/2012 07:32	1	TAL PIT	CH
A:6020A	180-14654-D-3-A		180-51613	180-51073	10/10/2012 18:26	1	TAL PIT	BR

Lab ID: 180-14654-4 **Client ID:** MW-111

Sample Date/Time: 09/20/2012 10:00 Received Date/Time: 09/21/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	180-14654-E-4		180-50213		09/29/2012 22:47	1	TAL PIT	JL
A:8260B	180-14654-E-4		180-50213		09/29/2012 22:47	1	TAL PIT	JL
P:3520C	180-14654-B-4-A		180-50568	180-50052	09/27/2012 15:47	1	TAL PIT	BT
A:8270C LL	180-14654-B-4-A		180-50568	180-50052	10/02/2012 14:20	1	TAL PIT	VP
P:3010A	180-14654-C-4-A		180-51613	180-50753	10/04/2012 08:20	1	TAL PIT	CH
A:6020A	180-14654-C-4-A		180-51613	180-50753	10/10/2012 16:07	1	TAL PIT	BR
P:3005A	180-14654-D-4-A		180-51613	180-51073	10/08/2012 07:32	1	TAL PIT	CH
A:6020A	180-14654-D-4-A		180-51613	180-51073	10/10/2012 18:31	1	TAL PIT	BR

Lab ID: 180-14654-5 **Client ID:** WWT-1

Sample Date/Time: 09/20/2012 10:50 Received Date/Time: 09/21/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	180-14654-A-5		180-50213		09/29/2012 23:11	1	TAL PIT	JL
A:8260B	180-14654-A-5		180-50213		09/29/2012 23:11	1	TAL PIT	JL

Lab ID: 180-14654-6 **Client ID:** MW-103

Sample Date/Time: 09/20/2012 07:45 Received Date/Time: 09/21/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	180-14654-G-6		180-50213		09/30/2012 00:24	1	TAL PIT	JL
A:8260B	180-14654-G-6		180-50213		09/30/2012 00:24	1	TAL PIT	JL
P:3520C	180-14654-B-6-A		180-50568	180-50052	09/27/2012 15:47	1	TAL PIT	BT
A:8270C LL	180-14654-B-6-A		180-50568	180-50052	10/02/2012 14:44	1	TAL PIT	VP
P:3010A	180-14654-C-6-A		180-51613	180-50753	10/04/2012 08:20	1	TAL PIT	CH
A:6020A	180-14654-C-6-A		180-51613	180-50753	10/10/2012 16:11	1	TAL PIT	BR
P:3005A	180-14654-D-6-A		180-51613	180-51073	10/08/2012 07:32	1	TAL PIT	CH
A:6020A	180-14654-D-6-A		180-51613	180-51073	10/10/2012 18:49	1	TAL PIT	BR

Client: Science Applications International Corp

Job Number: 180-14654-1

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 180-50213/4		180-50213		09/29/2012 14:56	1	TAL PIT	JL
A:8260B	MB 180-50213/4		180-50213		09/29/2012 14:56	1	TAL PIT	JL
P:3520C	MB 180-50052/1-A		180-50568	180-50052	09/27/2012 15:47	1	TAL PIT	BT
A:8270C LL	MB 180-50052/1-A		180-50568	180-50052	10/02/2012 10:25	1	TAL PIT	VP
P:3010A	MB 180-50753/1-A		180-51613	180-50753	10/04/2012 08:20	1	TAL PIT	CH
A:6020A	MB 180-50753/1-A		180-51613	180-50753	10/10/2012 15:47	1	TAL PIT	BR
P:3005A	MB 180-51073/1-A		180-51613	180-51073	10/08/2012 07:32	1	TAL PIT	CH
A:6020A	MB 180-51073/1-A		180-51613	180-51073	10/10/2012 17:55	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 180-50213/5		180-50213		09/29/2012 15:33	1	TAL PIT	JL
A:8260B	LCS 180-50213/5		180-50213		09/29/2012 15:33	1	TAL PIT	JL
P:3520C	LCS 180-50052/2-A		180-50568	180-50052	09/27/2012 15:47	1	TAL PIT	BT
A:8270C LL	LCS 180-50052/2-A		180-50568	180-50052	10/02/2012 11:59	1	TAL PIT	VP
P:3010A	LCS 180-50753/2-A		180-51613	180-50753	10/04/2012 08:20	1	TAL PIT	CH
A:6020A	LCS 180-50753/2-A		180-51613	180-50753	10/10/2012 15:51	1	TAL PIT	BR
P:3005A	LCS 180-51073/2-A		180-51613	180-51073	10/08/2012 07:32	1	TAL PIT	CH
A:6020A	LCS 180-51073/2-A		180-51613	180-51073	10/10/2012 17:59	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 180-50213/6		180-50213		09/29/2012 15:58	1	TAL PIT	JL
A:8260B	LCSD 180-50213/6		180-50213		09/29/2012 15:58	1	TAL PIT	JL
P:3520C	LCSD 180-50052/3-A		180-50568	180-50052	09/27/2012 15:47	1	TAL PIT	BT
A:8270C LL	LCSD 180-50052/3-A		180-50568	180-50052	10/02/2012 12:22	1	TAL PIT	VP

Lab ID: MS **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:3010A	180-14677-C-11-B MS		180-51613	180-50753	10/04/2012 08:20	1	TAL PIT	CH
A:6020A	180-14677-C-11-B MS		180-51613	180-50753	10/10/2012 17:20	1	TAL PIT	BR

Client: Science Applications International Corp

Job Number: 180-14654-1

Laboratory Chronicle

Lab ID: **MSD** **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:3010A	180-14677-C-11-C MSD		180-51613	180-50753	10/04/2012 08:20	1	TAL PIT	CH
A:6020A	180-14677-C-11-C MSD		180-51613	180-50753	10/10/2012 17:25	1	TAL PIT	BR

Lab ID: **SD** **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:3010A	180-14677-C-11-A SD ^5		180-51613	180-50753	10/04/2012 08:20	5	TAL PIT	CH
A:6020A	180-14677-C-11-A SD ^5		180-51613	180-50753	10/10/2012 17:16	5	TAL PIT	BR

Lab References:

TAL PIT = TestAmerica Pittsburgh

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

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.: 180-14654-1

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.: 180-14654-1

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	Arsenic	0.08 mg/L
							Barium	0.08 mg/L
							Iron	20 mg/L
							Lead	0.08 mg/L
							Manganese	0.4 mg/L
							Vanadium	0.08 mg/L
.MICPMSICV_00005	12/30/12	SPEX CertiPrep, Lot 26-2090B			(Purchased Reagent)		Arsenic	2 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Barium	2 ppm
							Iron	500 ppm
							Lead	2 ppm
							Manganese	10 ppm
							Vanadium	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,6-Dichlorophenol	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]pyrene	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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 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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

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]	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methylphenol, 3 & 4	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
					SVPENTACHLPHi_00005	0.05 mL	Pentachlorophenol	10 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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Di-n-butyl phthalate	40 ug/mL
							Di-n-octyl phthalate	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

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	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
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..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
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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
					[illegible]BENZs_00001	0.4 mL	1,2,4,5-Tetrachlorobenzene	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]pyrene	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 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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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 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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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 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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							N-Nitrosodi-n-propylamine	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..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_00084	10/06/12	09/30/12	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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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	SV4NITPHOHs_00001	0.1 mL	4-Nitrophenol	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..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
					SVCLPSVMIXs_00005	0.4 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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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		[illegible]PENTAPHENs_00001	0.1 mL	Pentachlorophenol	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

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.: 180-14654-1

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 090[illegible]			(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

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.: 180-14654-1

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
.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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							4-Chlorophenyl phenyl ether	40 ug/mL
							4-Nitroaniline	40 ug/mL
							4-Nitrophenol	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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 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-5[illegible]			(Purchased Reagent)		2,4,6-Tribromophenol	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
.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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]anthracene	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 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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

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	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
.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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
.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-trifluoroethane	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-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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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-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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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-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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
VOA8260ULTRA_00019	09/29/12	09/24/12	Methanol, Lot DG596	8 mL	VOA8260VOAULT_00052	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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-trifluoroethane	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
VOAA&AACCU_00001	10/11/12	09/11/12	Methanol, Lot DG596	4 mL	VOAAcroleinAC_00027	1 mL	Acrolein	25 ug/mL
					VOAacryloACC_00017	1 mL	Acrylonitrile	25 ug/mL
.VOAAcroleinAC_00027	10/14/12	Accustandard, Lot 212061177			(Purchased Reagent)		Acrolein	100 ug/mL
.VOAacryloACC_00017	08/08/21	AccuStandard, Lot 211081060			(Purchased Reagent)		Acrylonitrile	100 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
VoaAcetoABS_00034	10/25/12	09/25/12	Methanol, Lot DG596	1 mL	VOAAcetoABS_00025	1 mL	Acetonitrile	1000 ug/mL
.VOAAcetoABS_00025	08/09/16	Absolute Standards, Inc., Lot 080911			(Purchased Reagent)		Acetonitrile	1000 ug/mL
VOAINDACCU_00001	10/11/12	09/11/12	Methanol, Lot DG596	4 mL	VOAindiACC_00017	1 mL	n-Butanol	1000 ug/mL
							Tetrahydrofuran	25 ug/mL
.VOAindiACC_00017	03/23/13	AccuStandard, Lot B9030304			(Purchased Reagent)		n-Butanol	4000 ug/mL
							Tetrahydrofuran	100 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 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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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: 180-14654-1

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.: 180-14654-1

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	180-14654-1	101	119	85	92
TMP-2	180-14654-2	103	127	90	94
MW-107	180-14654-3	102	124	88	93
MW-111	180-14654-4	103	127	86	93
WWT-1	180-14654-5	104	131	88	91
MW-103	180-14654-6	103	124	83	92
	MB 180-50213/4	102	124	84	91
	LCS 180-50213/5	110	121	98	101
	LCSD 180-50213/6	97	110	90	95

	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.: 180-14654-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 6092911.D

Lab ID: LCS 180-50213/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acetone	10.0	14.9	149	22-150	
Benzene	10.0	11.2	112	80-120	
Bromodichloromethane	10.0	10.7	107	66-130	
Bromoform	10.0	10.5	105	46-150	
Bromomethane	10.0	14.1	141	33-150	
2-Butanone (MEK)	10.0	11.7	117	39-138	
Carbon disulfide	10.0	9.02	90	54-132	
Carbon tetrachloride	10.0	9.74	97	55-150	
Chlorobenzene	10.0	11.0	110	80-120	
Chloroethane	10.0	14.3	143	36-142	*
Chloroform	10.0	11.6	116	72-127	
Dibromochloromethane	10.0	10.8	108	60-140	
1,2-Dibromo-3-Chloropropane	10.0	9.24	92	37-133	
1,2-Dibromoethane (EDB)	10.0	10.5	105	74-123	
1,1-Dichloroethane	10.0	11.6	116	73-126	
1,2-Dichloroethane	10.0	12.8	128	68-132	
1,1-Dichloroethene	10.0	11.3	113	65-136	
trans-1,2-Dichloroethene	10.0	11.5	115	73-126	
1,2-Dichloropropane	10.0	12.1	121	76-124	
cis-1,3-Dichloropropene	10.0	8.90	89	66-120	
trans-1,3-Dichloropropene	10.0	7.75	78	65-125	
Ethylbenzene	10.0	10.7	107	72-126	
2-Hexanone	10.0	9.47	95	25-132	
Methylene Chloride	10.0	10.9	109	63-129	
4-Methyl-2-pentanone (MIBK)	10.0	8.77	88	45-145	
Styrene	10.0	10.3	103	71-127	
1,1,2,2-Tetrachloroethane	10.0	10.1	101	62-125	
Tetrachloroethene	10.0	12.1	121	70-135	
Toluene	10.0	10.7	107	80-123	
1,1,1-Trichloroethane	10.0	10.2	102	63-133	
1,1,2-Trichloroethane	10.0	10.5	105	77-127	
Trichloroethene	10.0	11.0	110	73-120	
Trichlorofluoromethane	10.0	12.3	123	44-150	
Vinyl chloride	10.0	10.6	106	53-138	
Xylenes, Total	30.0	31.4	105	76-128	
Cyclohexane	10.0	10.3	103	45-142	
cis-1,2-Dichloroethene	10.0	11.0	110	70-120	
Dichlorodifluoromethane	10.0	12.6	126	13-150	
Isopropylbenzene	10.0	10.7	107	58-130	
Methyl acetate	10.0	10.9	109	47-142	
Methylcyclohexane	10.0	10.1	101	45-145	
Methyl tert-butyl ether	10.0	8.97	90	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.: 180-14654-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 6092911.D

Lab ID: LCS 180-50213/5 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	11.0	110	46-148	
1,2-Dichlorobenzene	10.0	11.1	111	77-120	
1,3-Dichlorobenzene	10.0	10.6	106	76-120	
1,4-Dichlorobenzene	10.0	10.5	105	77-120	
1,2,4-Trichlorobenzene	10.0	11.8	118	60-127	
Chloromethane	10.0	10.9	109	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.: 180-14654-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 6092912.D

Lab ID: LCSD 180-50213/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acetone	10.0	14.2	142	5	35	22-150	
Benzene	10.0	9.53	95	17	32	80-120	
Bromodichloromethane	10.0	9.37	94	13	35	66-130	
Bromoform	10.0	9.93	99	6	35	46-150	
Bromomethane	10.0	11.4	114	21	35	33-150	
2-Butanone (MEK)	10.0	10.3	103	13	35	39-138	
Carbon disulfide	10.0	7.33	73	21	35	54-132	
Carbon tetrachloride	10.0	8.21	82	17	35	55-150	
Chlorobenzene	10.0	9.96	100	10	29	80-120	
Chloroethane	10.0	12.3	123	15	35	36-142	
Chloroform	10.0	9.99	100	15	35	72-127	
Dibromochloromethane	10.0	9.99	100	8	35	60-140	
1,2-Dibromo-3-Chloropropane	10.0	8.18	82	12	35	37-133	
1,2-Dibromoethane (EDB)	10.0	9.94	99	6	35	74-123	
1,1-Dichloroethane	10.0	10.0	100	15	35	73-126	
1,2-Dichloroethane	10.0	11.0	110	15	32	68-132	
1,1-Dichloroethene	10.0	9.41	94	19	35	65-136	
trans-1,2-Dichloroethene	10.0	9.16	92	22	35	73-126	
1,2-Dichloropropane	10.0	10.1	101	18	34	76-124	
cis-1,3-Dichloropropene	10.0	7.93	79	12	35	66-120	
trans-1,3-Dichloropropene	10.0	7.33	73	6	35	65-125	
Ethylbenzene	10.0	9.46	95	12	33	72-126	
2-Hexanone	10.0	8.14	81	15	35	25-132	
Methylene Chloride	10.0	9.10	91	18	35	63-129	
4-Methyl-2-pentanone (MIBK)	10.0	7.86	79	11	35	45-145	
Styrene	10.0	9.18	92	12	34	71-127	
1,1,2,2-Tetrachloroethane	10.0	9.09	91	11	35	62-125	
Tetrachloroethene	10.0	10.9	109	10	35	70-135	
Toluene	10.0	9.46	95	12	35	80-123	
1,1,1-Trichloroethane	10.0	8.52	85	17	35	63-133	
1,1,2-Trichloroethane	10.0	9.59	96	9	35	77-127	
Trichloroethene	10.0	9.47	95	15	35	73-120	
Trichlorofluoromethane	10.0	9.98	100	21	35	44-150	
Vinyl chloride	10.0	9.16	92	15	35	53-138	
Xylenes, Total	30.0	28.1	94	11	32	76-128	
Cyclohexane	10.0	8.71	87	17	35	45-142	
cis-1,2-Dichloroethene	10.0	9.20	92	18	35	70-120	
Dichlorodifluoromethane	10.0	10.7	107	17	35	13-150	
Isopropylbenzene	10.0	9.43	94	13	35	58-130	
Methyl acetate	10.0	8.74	87	22	35	47-142	
Methylcyclohexane	10.0	8.60	86	16	35	45-145	
Methyl tert-butyl ether	10.0	8.01	80	11	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.: 180-14654-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 6092912.D

Lab ID: LCSD 180-50213/6 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	9.47	95	15	35	46-148	
1,2-Dichlorobenzene	10.0	10.1	101	9	24	77-120	
1,3-Dichlorobenzene	10.0	9.47	95	11	24	76-120	
1,4-Dichlorobenzene	10.0	9.65	97	8	24	77-120	
1,2,4-Trichlorobenzene	10.0	11.1	111	6	35	60-127	
Chloromethane	10.0	9.17	92	18	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.: 180-14654-1

SDG No.:

Lab File ID: 6092910.D Lab Sample ID: MB 180-50213/4

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

Instrument ID: HP6 Date Analyzed: 09/29/2012 14:56

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 180-50213/5	6092911.D	09/29/2012 15:33
	LCSD 180-50213/6	6092912.D	09/29/2012 15:58
TRIP BLANK	180-14654-1	6092915.D	09/29/2012 17:10
MW-111	180-14654-4	6092929.D	09/29/2012 22:47
WWT-1	180-14654-5	6092930.D	09/29/2012 23:11
TMP-2	180-14654-2	6092931.D	09/29/2012 23:36
MW-107	180-14654-3	6092932.D	09/30/2012 00:00
MW-103	180-14654-6	6092933.D	09/30/2012 00:24

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

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

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.: 180-14654-1

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.: 180-14654-1

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.: 180-14654-1

SDG No.:

Lab File ID: 6092907.D BFB Injection Date: 09/29/2012

Instrument ID: HP6 BFB Injection Time: 13:34

Analysis Batch No.: 50213

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.9	
75	30.0 - 60.0 % of mass 95	47.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	5.6	
173	Less than 2.0 % of mass 174	1.2	(1.4)1
174	50.0 - 120.00 % of mass 95	80.9	
175	5.0 - 9.0 % of mass 174	5.4	(6.7)1
176	95.0 - 101.0 % of mass 174	80.2	(99.2)1
177	5.0 - 9.0 % of mass 176	4.7	(5.8)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 180-50213/2	6092908.D	09/29/2012	14:07
	CCV 180-50213/3	6092909.D	09/29/2012	14:31
	MB 180-50213/4	6092910.D	09/29/2012	14:56
	LCS 180-50213/5	6092911.D	09/29/2012	15:33
	LCSD 180-50213/6	6092912.D	09/29/2012	15:58
TRIP BLANK	180-14654-1	6092915.D	09/29/2012	17:10
MW-111	180-14654-4	6092929.D	09/29/2012	22:47
WWT-1	180-14654-5	6092930.D	09/29/2012	23:11
TMP-2	180-14654-2	6092931.D	09/29/2012	23:36
MW-107	180-14654-3	6092932.D	09/30/2012	00:00
MW-103	180-14654-6	6092933.D	09/30/2012	00:24

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

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Sample No.: CCVIS 180-50213/2 Date Analyzed: 09/29/2012 14:07

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

Lab File ID (Standard): 6092908.D Heated Purge: (Y/N) N

Calibration ID: 6698

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		434758	7.31	97010	10.40	131748	12.73
UPPER LIMIT		869516	7.81	194020	10.90	263496	13.23
LOWER LIMIT		217379	6.81	48505	9.90	65874	12.23
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 180-50213/3		442659	7.30	92178	10.40	115815	12.73
MB 180-50213/4		496147	7.30	118558	10.41	170614	12.73
LCS 180-50213/5		398283	7.30	92667	10.40	124435	12.73
LCSD 180-50213/6		465338	7.30	102809	10.41	138925	12.73
180-14654-1	TRIP BLANK	505413	7.31	118530	10.40	166293	12.73
180-14654-4	MW-111	483732	7.31	114765	10.40	170344	12.73
180-14654-5	WWT-1	499292	7.31	118197	10.40	177307	12.73
180-14654-2	TMP-2	502972	7.31	115240	10.40	171133	12.73
180-14654-3	MW-107	496251	7.31	116082	10.40	173104	12.73
180-14654-6	MW-103	484750	7.31	116967	10.41	170536	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.: 180-14654-1

SDG No.:

Client Sample ID: TRIP BLANK | Lab Sample ID: 180-14654-1

Matrix: Water | Lab File ID: 6092915.D

Analysis Method: 8260B | Date Collected: 09/17/2012 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/29/2012 17:10

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.: 50213 | 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	2.2		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.: 180-14654-1

SDG No.:

Client Sample ID: TRIP BLANK | Lab Sample ID: 180-14654-1

Matrix: Water | Lab File ID: 6092915.D

Analysis Method: 8260B | Date Collected: 09/17/2012 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/29/2012 17:10

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.: 50213 | 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)	85		71-118
460-00-4	4-Bromofluorobenzene (Surr)	92		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.: 180-14654-1

SDG No.:

Client Sample ID: TRIP BLANK Lab Sample ID: 180-14654-1

Matrix: Water Lab File ID: 6092915.D

Analysis Method: 8260B Date Collected: 09/17/2012 00:00

Sample wt/vol: 5(mL) Date Analyzed: 09/29/2012 17:10

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.: 50213 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\T6092912d.b\6092915.D
Lab Smp Id: 180-14654-A-1 Client Smp ID: TRIP BLANK
Inj Date : 29-SEP-2012 17:10
Operator : 403808 Inst ID: hp6.i
Smp Info : 180-14654-A-1
Misc Info : 180-14654-A-1
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6092912d.b\T8260bllw.m
Meth Date : 29-Sep-2012 17:47 lipayj Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-tic.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)	505413	50.0000	
* 69 Chlorobenzene-d5	119	10.404	10.401	(1.000)	118530	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.728	12.731	(1.000)	166293	50.0000	
$ 39 Dibromofluoromethane (Surr)	113	6.559	6.556	(0.898)	103021	50.5580	50.56
$ 43 1,2-Dichloroethane-d4	65	6.930	6.927	(0.948)	135584	59.7043	59.70
$ 59 Toluene-d8	98	8.956	8.959	(0.861)	457627	42.6052	42.60
$ 80 Bromofluorobenzene (Surr)	95	11.572	11.569	(1.112)	158480	46.1975	46.20
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-trifloro	101	Compound Not Detected.					
12 1,1-Dichloroethene	96	Compound Not Detected.					
13 Acetone	43	Compound Not Detected.					
15 Carbon Disulfide	76	Compound Not Detected.					
18 Methylene Chloride	84	4.169	4.166	(0.570)	36124	10.8275	10.83
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.					
41 Carbon Tetrachloride	117	Compound Not Detected.					
42 Benzene	78	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ng)
	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.					
	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\T6092912d.b\6092915.D
Lab Smp Id: 180-14654-A-1 Client Smp ID: TRIP BLANK
Inj Date : 29-SEP-2012 17:10
Operator : 403808 Inst ID: hp6.i
Smp Info : 180-14654-A-1
Misc Info : 180-14654-A-1
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6092912d.b\T8260bllw.m
Meth Date : 29-Sep-2012 17:47 lipayj Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-tic.sub
Target Version: 4.14
Processing Host: PITPC-530

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: 6092915.D

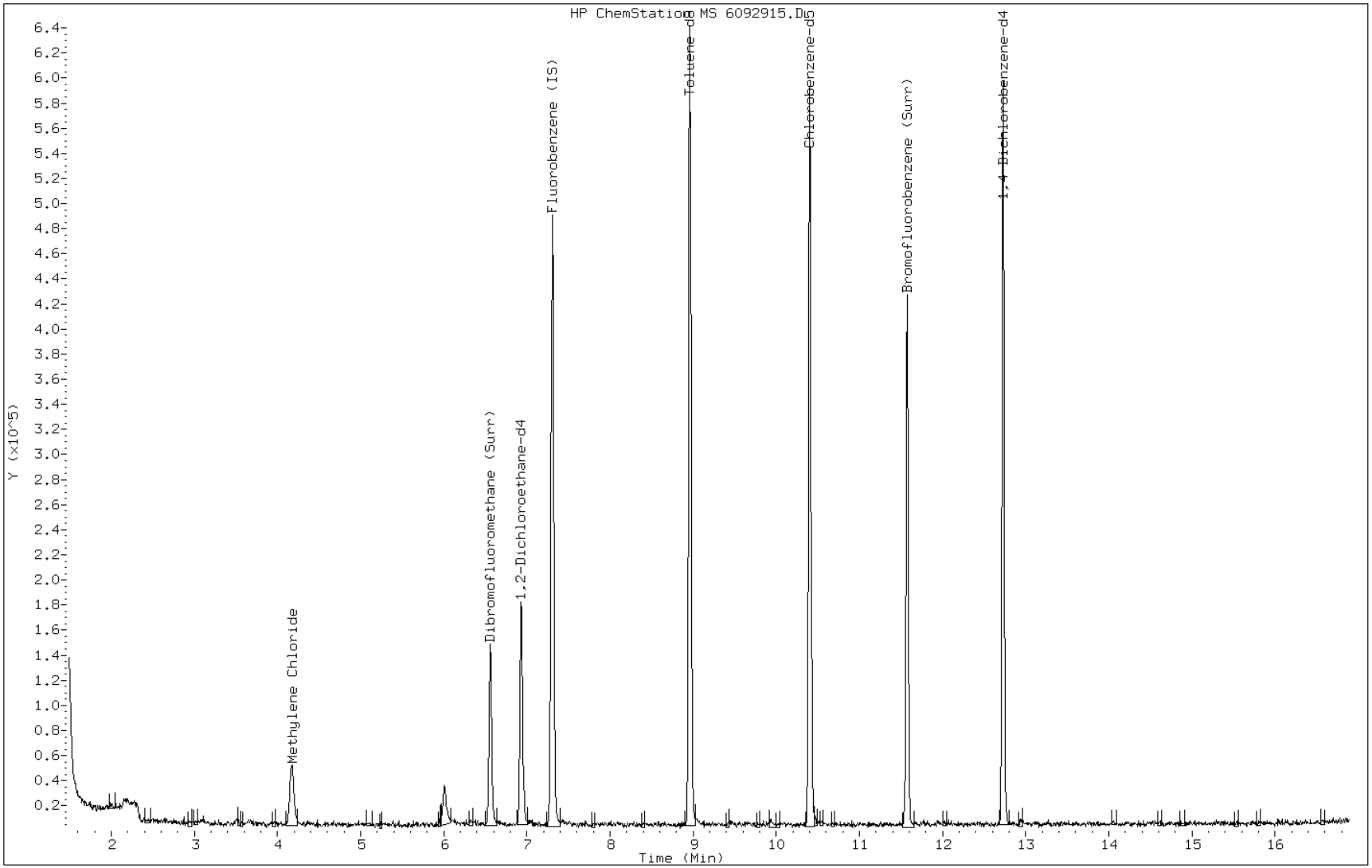
Date: 29-SEP-2012 17:10

Client ID: TRIP BLANK

Instrument: hp6.i

Sample Info: 180-14654-A-1

Operator: 403808



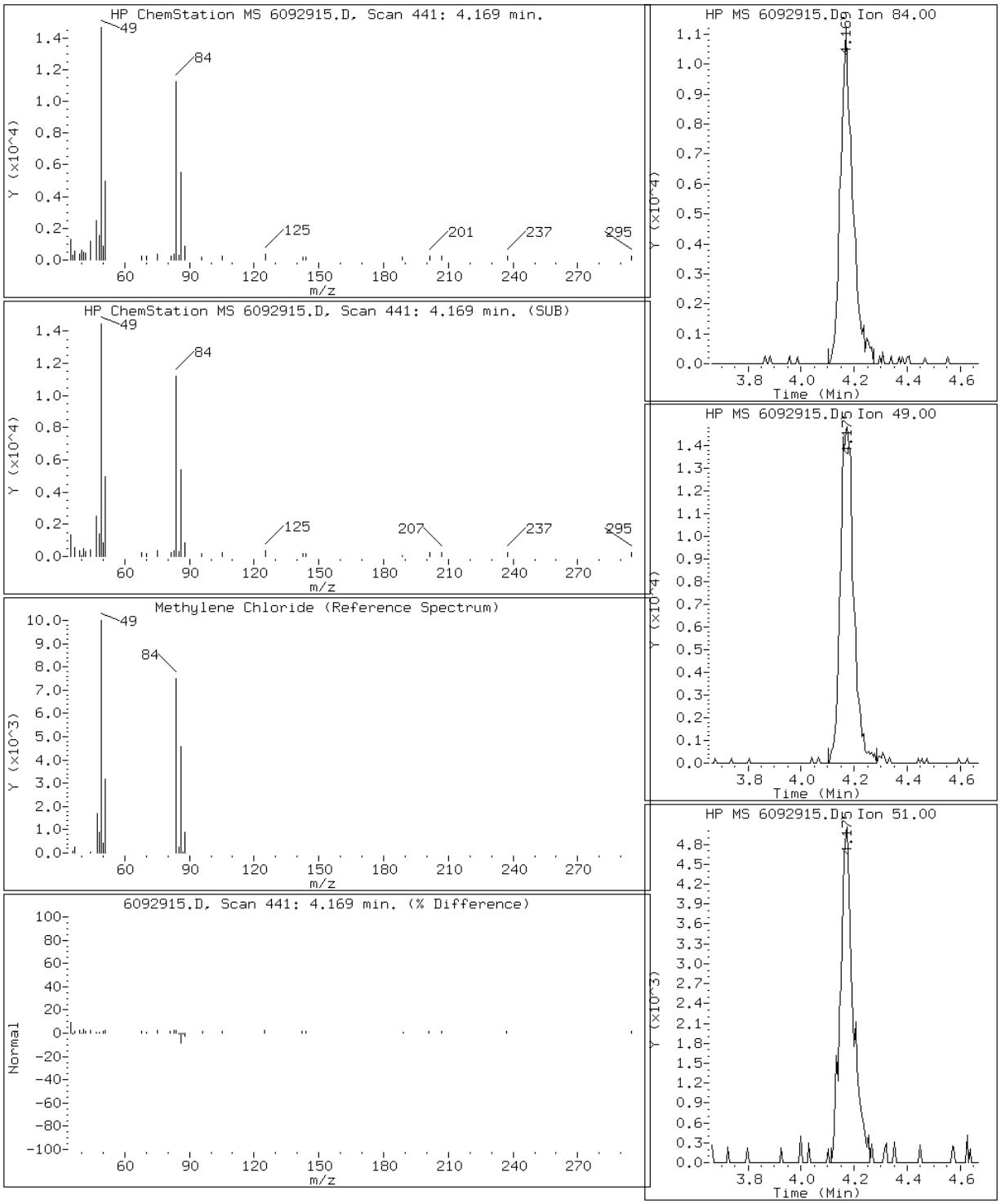
Data File: 6092915.D

Date: 29-SEP-2012 17:10

Client ID: TRIP BLANK Instrument: hp6.i

Sample Info: 180-14654-A-1 Operator: 403808

18 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14654-1

SDG No.:

Client Sample ID: TMP-2 | Lab Sample ID: 180-14654-2

Matrix: Water | Lab File ID: 6092931.D

Analysis Method: 8260B | Date Collected: 09/20/2012 09:15

Sample wt/vol: 5(mL) | Date Analyzed: 09/29/2012 23:36

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.: 50213 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	15		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)	2.6	J	5.0	0.55
75-15-0	Carbon disulfide	0.21	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	0.31	J	5.0	0.16
75-09-2	Methylene Chloride	0.19	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.: 180-14654-1

SDG No.:

Client Sample ID: TMP-2 | Lab Sample ID: 180-14654-2

Matrix: Water | Lab File ID: 6092931.D

Analysis Method: 8260B | Date Collected: 09/20/2012 09:15

Sample wt/vol: 5(mL) | Date Analyzed: 09/29/2012 23:36

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.: 50213 | 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)	127		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)	103		70-128

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

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Client Sample ID: TMP-2 Lab Sample ID: 180-14654-2

Matrix: Water Lab File ID: 6092931.D

Analysis Method: 8260B Date Collected: 09/20/2012 09:15

Sample wt/vol: 5(mL) Date Analyzed: 09/29/2012 23:36

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.: 50213 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\T6092912d.b\6092931.D
Lab Smp Id: 180-14654-E-2 Client Smp ID: TMP-2
Inj Date : 29-SEP-2012 23:36
Operator : 403808 Inst ID: hp6.i
Smp Info : 180-14654-E-2
Misc Info : 180-14654-E-2
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6092912d.b\T8260bllw.m
Meth Date : 01-Oct-2012 08:25 fergusond Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-tic.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)	502972	50.0000	
* 69 Chlorobenzene-d5	119	10.399	10.401	(1.000)	115240	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.729	12.731	(1.000)	171133	50.0000	(Q)
$ 39 Dibromofluoromethane (Surr)	113	6.560	6.556	(0.898)	104411	51.4889	51.49
$ 43 1,2-Dichloroethane-d4	65	6.931	6.927	(0.948)	143019	63.2840	63.28
$ 59 Toluene-d8	98	8.963	8.959	(0.862)	471433	45.1436	45.14
$ 80 Bromofluorobenzene (Surr)	95	11.573	11.569	(1.113)	157567	47.2426	47.24
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-trifloro	101	Compound Not Detected.					
12 1,1-Dichloroethene	96	Compound Not Detected.					
13 Acetone	43	3.512	3.509	(0.481)	48853	74.2869	74.29(M)
15 Carbon Disulfide	76	3.664	3.673	(0.501)	6627	1.05805	1.058
18 Methylene Chloride	84	4.175	4.166	(0.571)	9700	0.96552	0.9655
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	6.025	6.015	(0.824)	15252	12.8428	12.84
37 Chloroform	83	Compound Not Detected.					
38 1,1,1-Trichloroethane	97	Compound Not Detected.					
41 Carbon Tetrachloride	117	Compound Not Detected.					
42 Benzene	78	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
	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.					
	64 1,1,2-Trichloroethane	97	Compound Not Detected.					
	65 Tetrachloroethene	164	Compound Not Detected.					
	66 2-Hexanone	43	9.699	9.689	(0.933)	3113	1.53474	1.535(Q)
	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\T6092912d.b\6092931.D
Lab Smp Id: 180-14654-E-2 Client Smp ID: TMP-2
Inj Date : 29-SEP-2012 23:36
Operator : 403808 Inst ID: hp6.i
Smp Info : 180-14654-E-2
Misc Info : 180-14654-E-2
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6092912d.b\T8260bllw.m
Meth Date : 01-Oct-2012 08:25 fergusond Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-tic.sub
Target Version: 4.14
Processing Host: PITPC-002

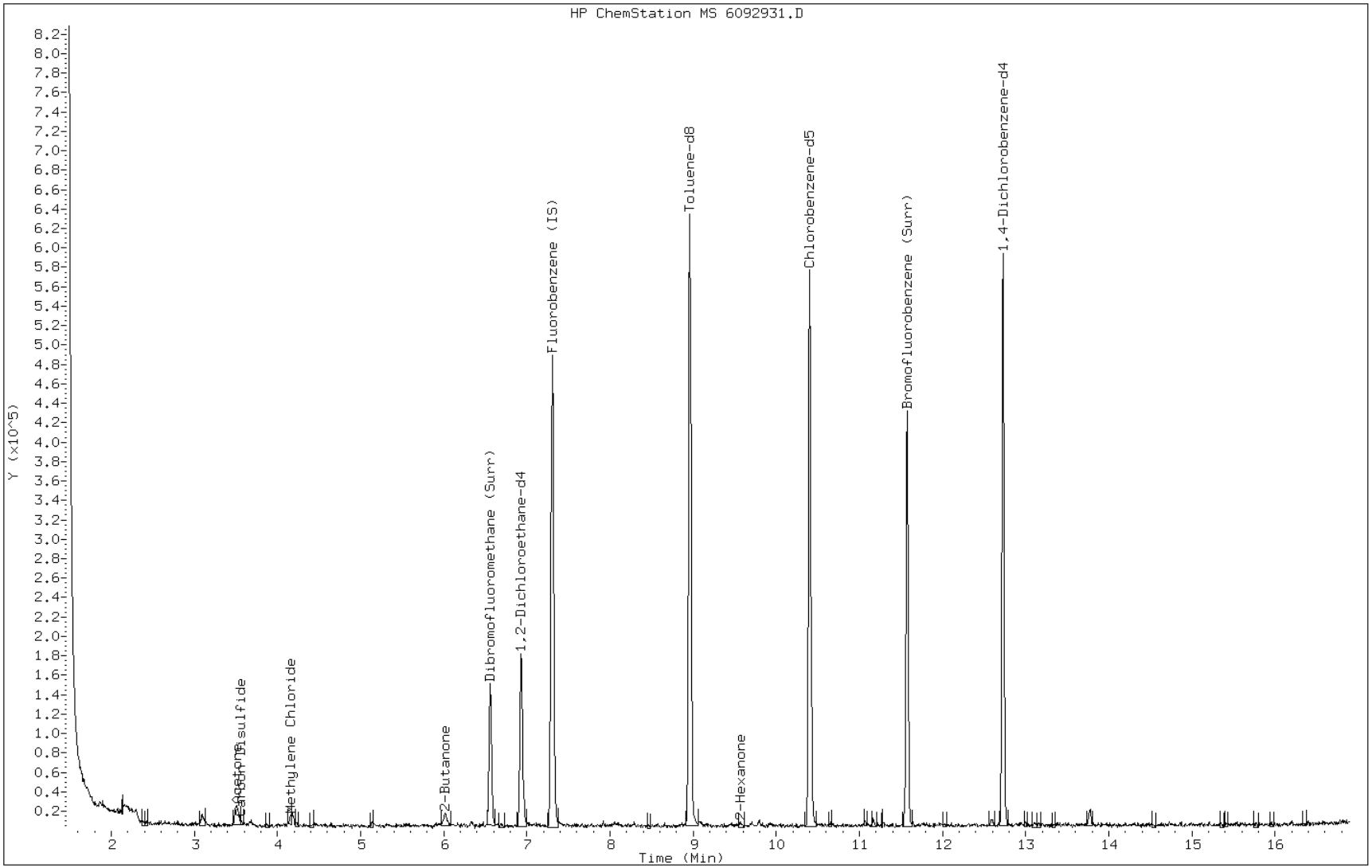
- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: 6092931.D

Date: 29-SEP-2012 23:36

Client ID: TMP-2 Instrument: hp6.i

Sample Info: 180-14654-E-2 Operator: 403808



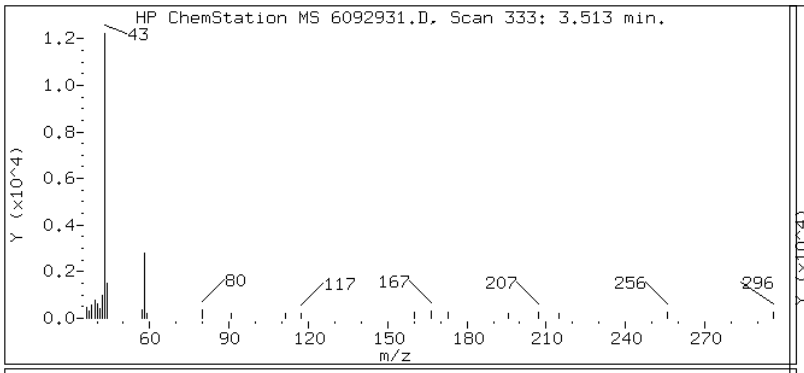
Data File: 6092931.D

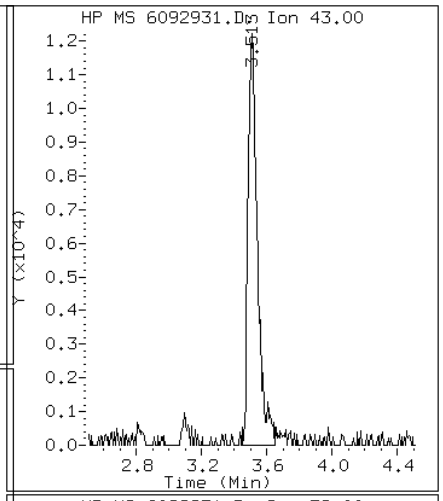
Date: 29-SEP-2012 23:36

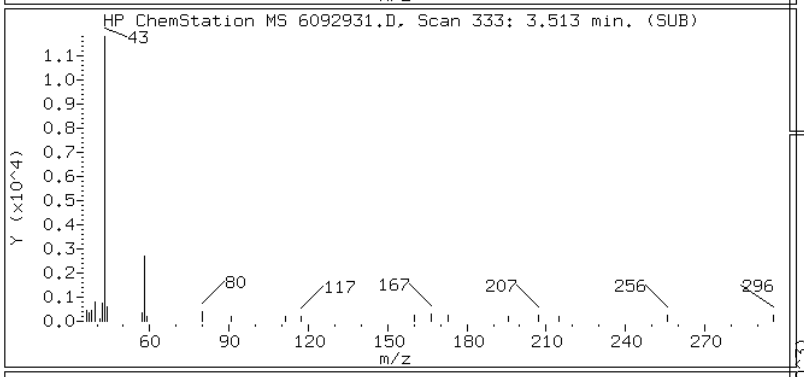
Client ID: TMP-2 Instrument: hp6.i

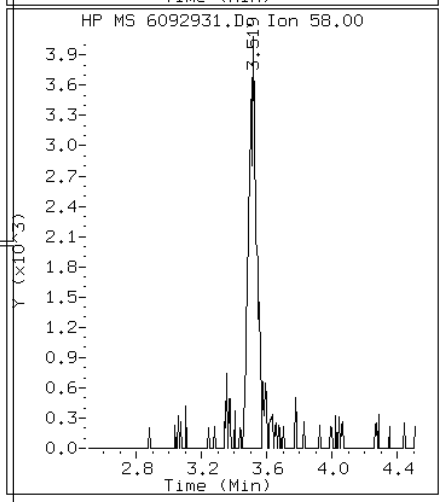
Sample Info: 180-14654-E-2 Operator: 403808

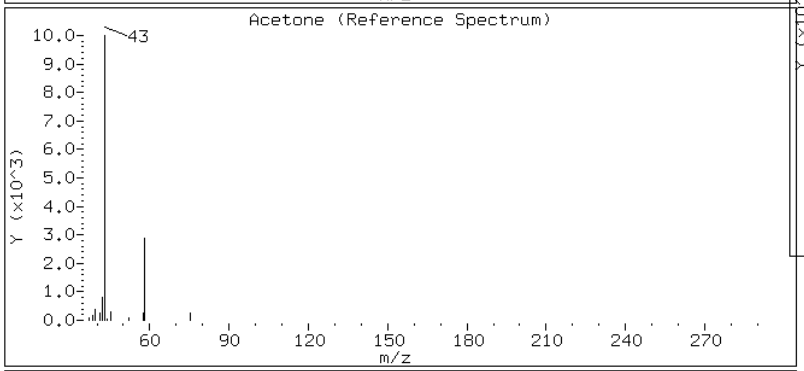
13 Acetone

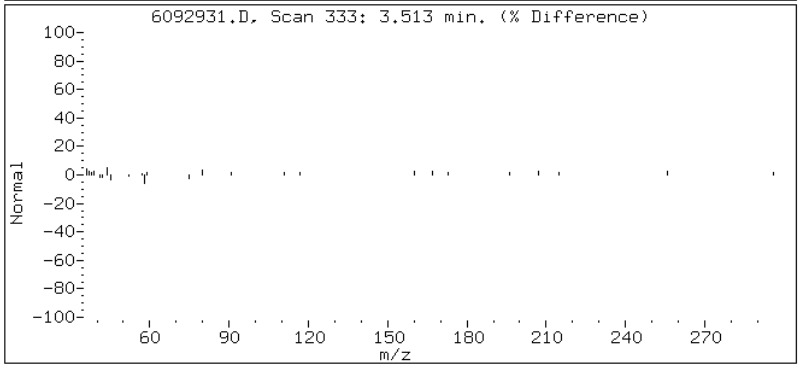












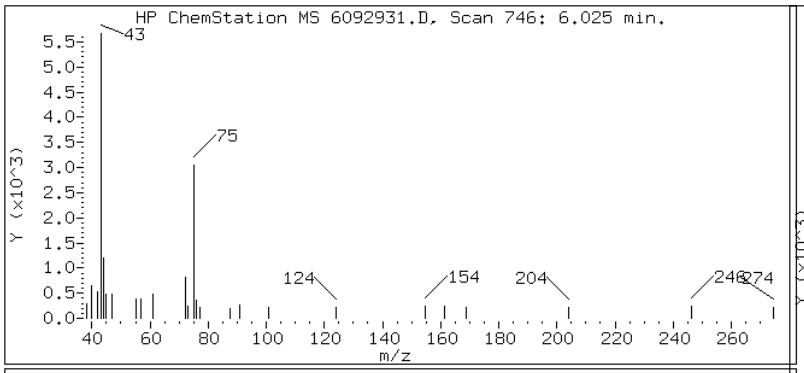
Data File: 6092931.D

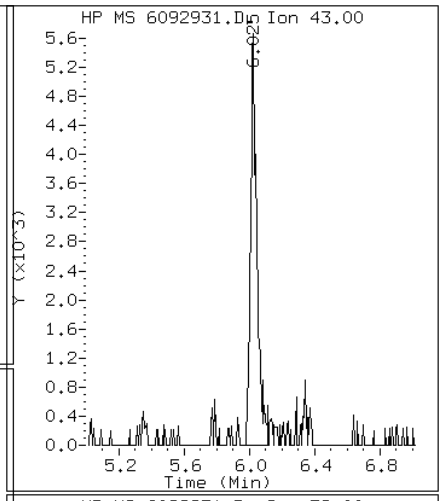
Date: 29-SEP-2012 23:36

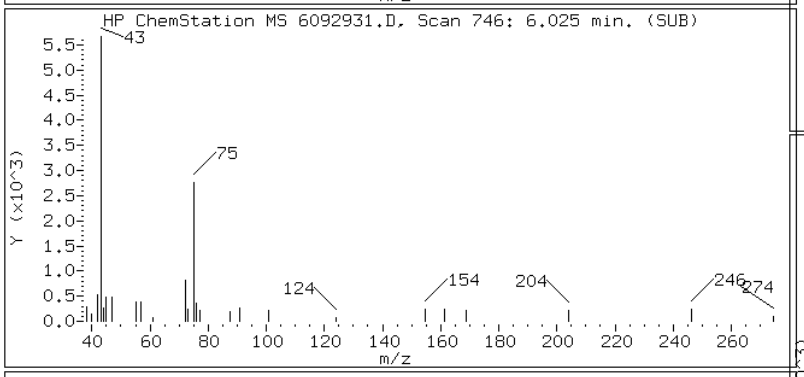
Client ID: TMP-2 Instrument: hp6.i

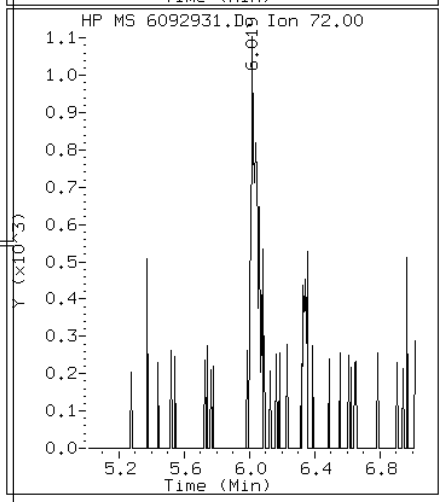
Sample Info: 180-14654-E-2 Operator: 403808

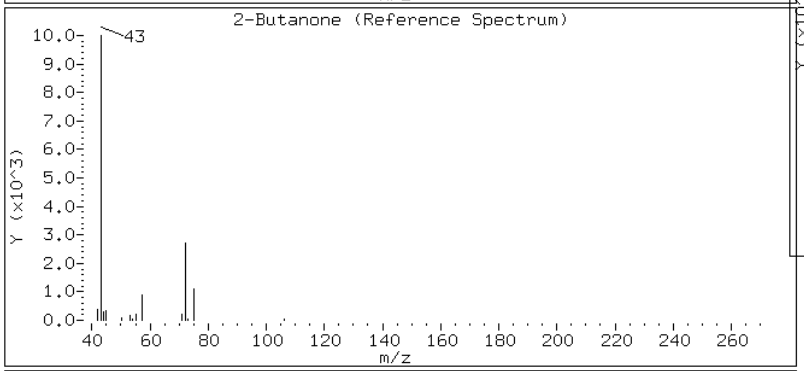
31 2-Butanone

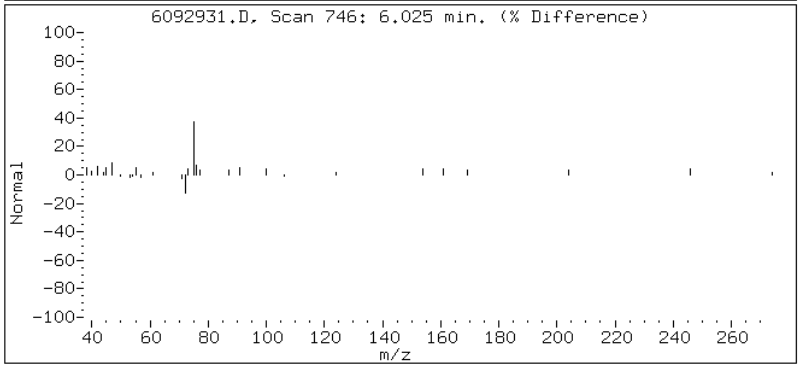












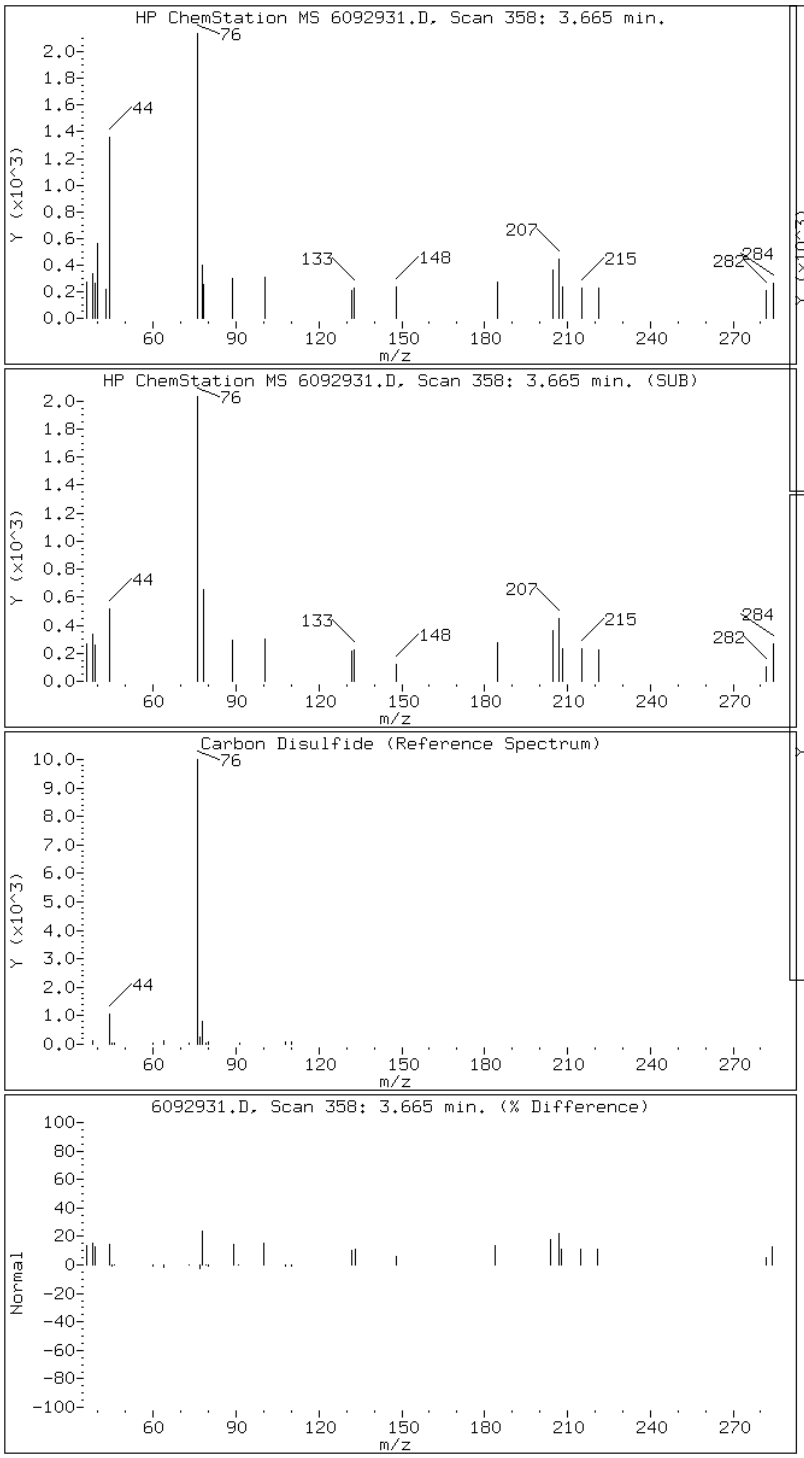
Data File: 6092931.D

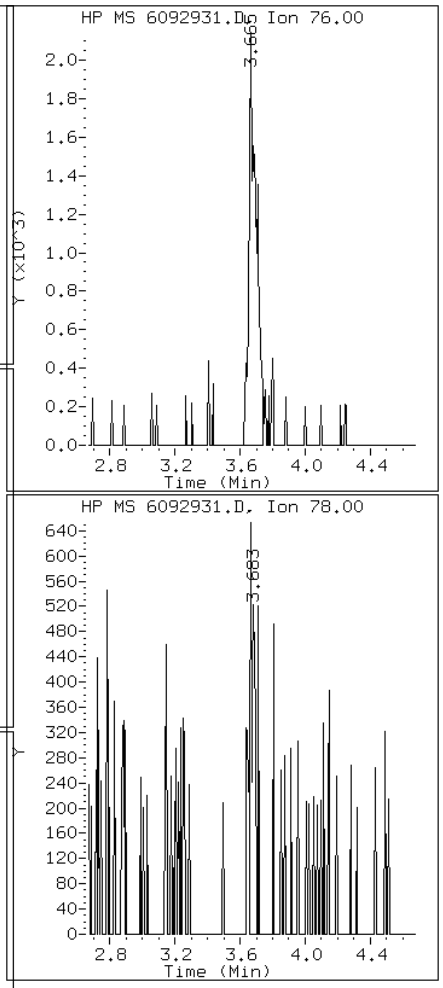
Date: 29-SEP-2012 23:36

Client ID: TMP-2 Instrument: hp6.i

Sample Info: 180-14654-E-2 Operator: 403808

15 Carbon Disulfide





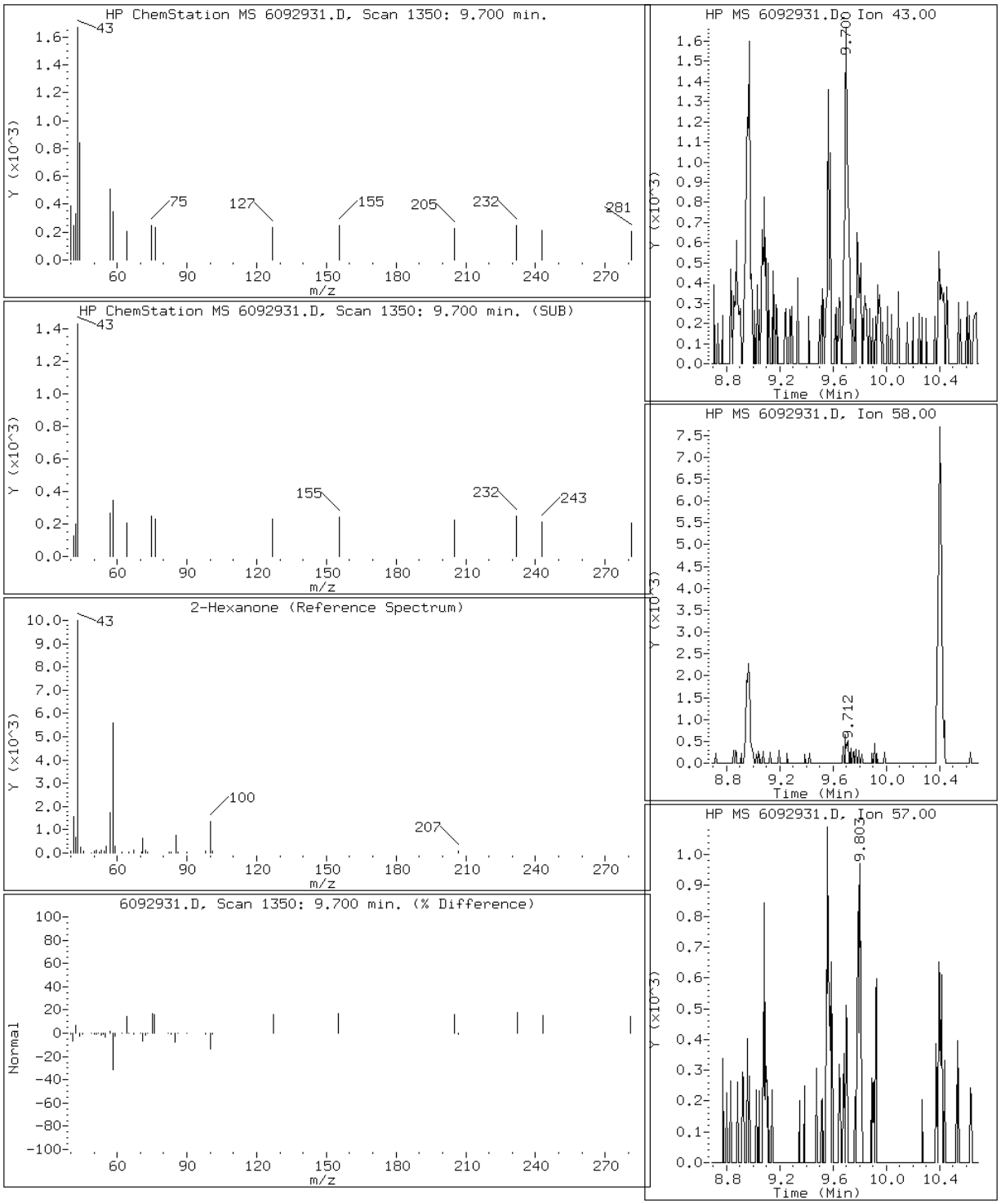
Data File: 6092931.D

Date: 29-SEP-2012 23:36

Client ID: TMP-2 Instrument: hp6.i

Sample Info: 180-14654-E-2 Operator: 403808

66 2-Hexanone



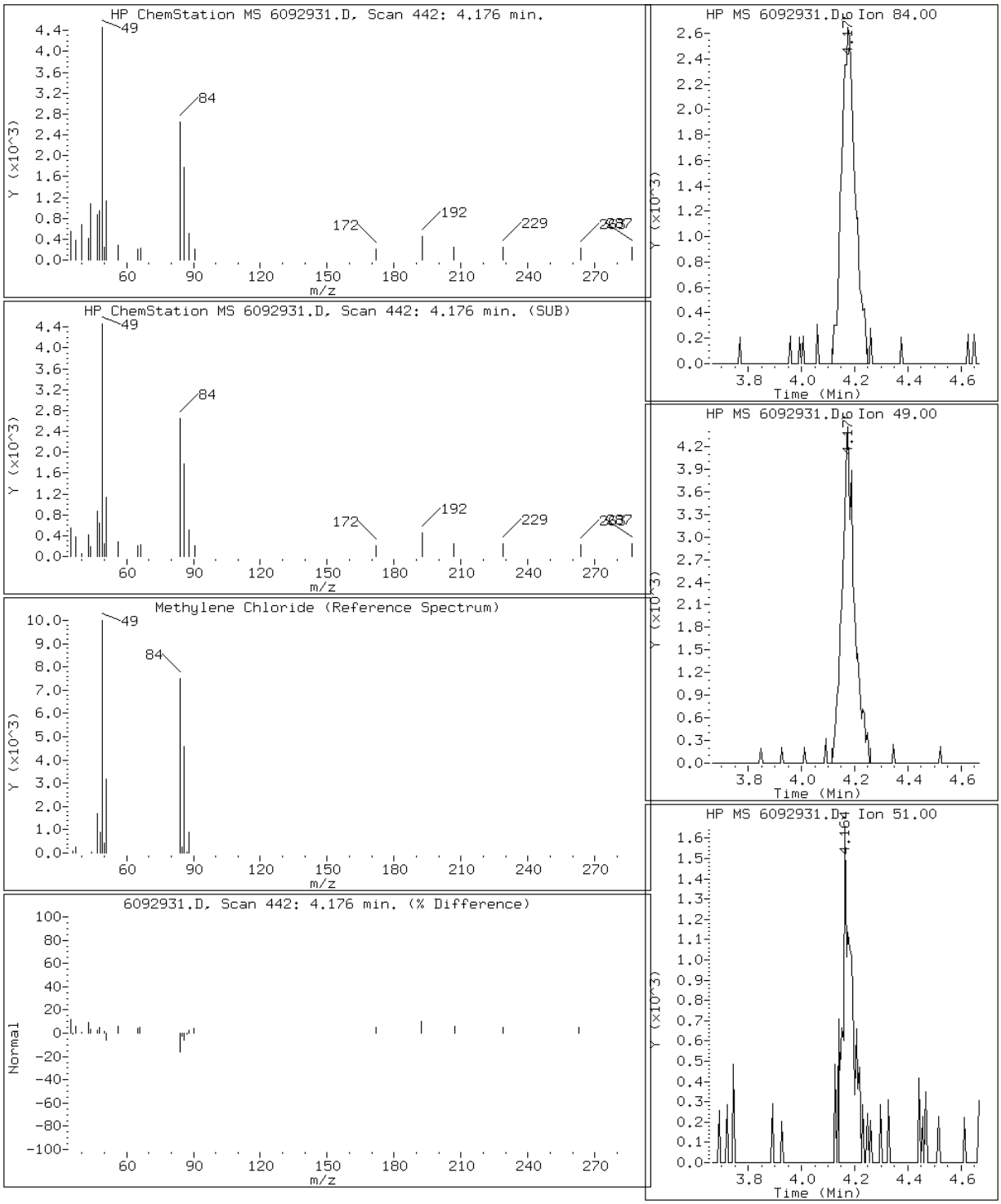
Data File: 6092931.D

Date: 29-SEP-2012 23:36

Client ID: TMP-2 Instrument: hp6.i

Sample Info: 180-14654-E-2 Operator: 403808

18 Methylene Chloride



Manual Integration Report

Data File: 6092931.D
Inj. Date and Time: 29-SEP-2012 23:36
Instrument ID: hp6.i
Client ID: TMP-2
Compound: 13 Acetone
CAS #: 67-64-1
Report Date: 10/01/2012

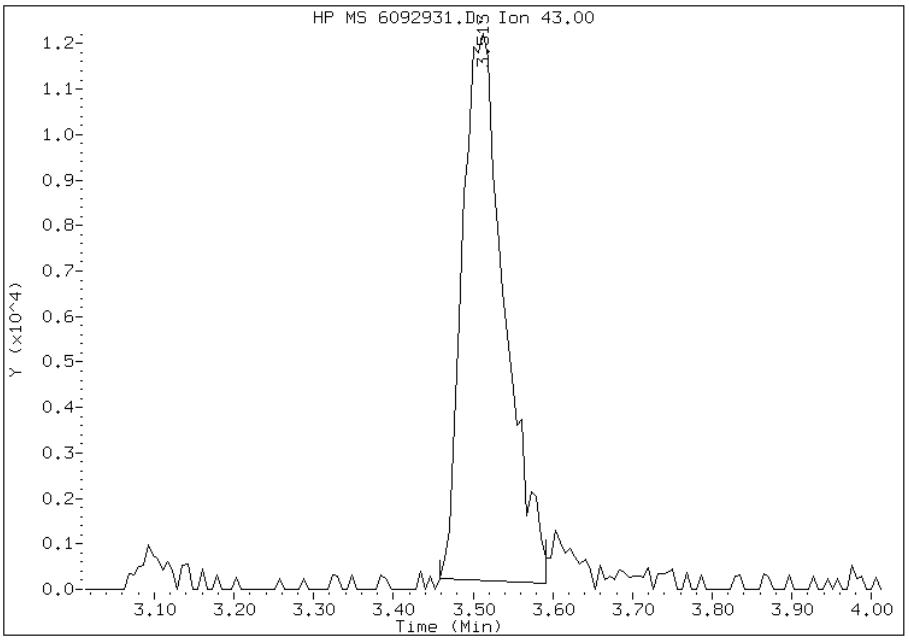
Processing Integration Results

RT: 3.51

Response: 44646

Amount: 68

Conc: 68



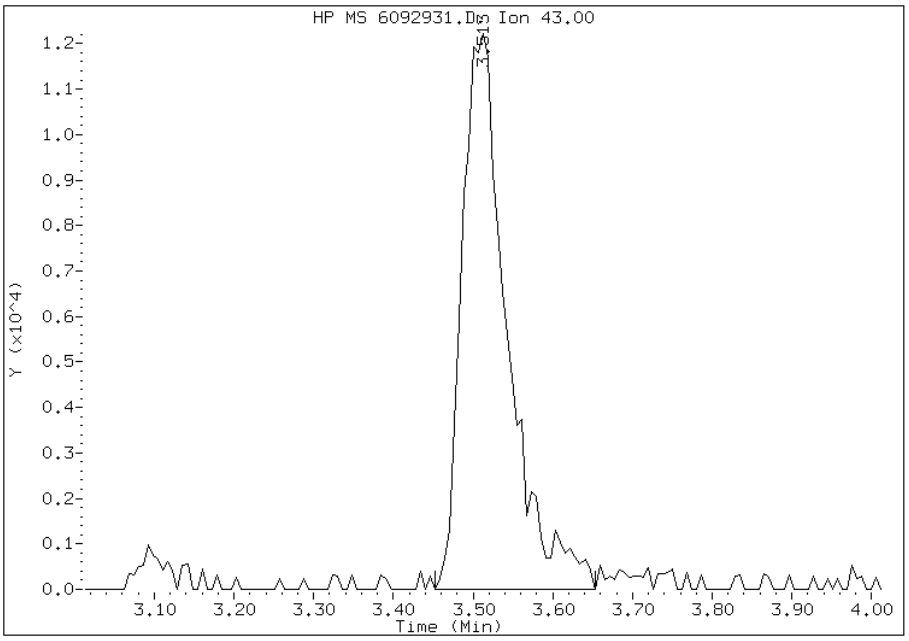
Manual Integration Results

RT: 3.51

Response: 48853

Amount: 74

Conc: 74



Manually Integrated By: fergusond
Modification Date: 01-Oct-2012 10:23
Manual Integration Reason: Peak Integrated Incorrectly

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14654-1

SDG No.:

Client Sample ID: MW-107 | Lab Sample ID: 180-14654-3

Matrix: Water | Lab File ID: 6092932.D

Analysis Method: 8260B | Date Collected: 09/20/2012 08:05

Sample wt/vol: 5(mL) | Date Analyzed: 09/30/2012 00:00

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.: 50213 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	3.1	J	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.: 180-14654-1

SDG No.:

Client Sample ID: MW-107 | Lab Sample ID: 180-14654-3

Matrix: Water | Lab File ID: 6092932.D

Analysis Method: 8260B | Date Collected: 09/20/2012 08:05

Sample wt/vol: 5(mL) | Date Analyzed: 09/30/2012 00:00

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.: 50213 | 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)	124		64-135
2037-26-5	Toluene-d8 (Surr)	88		71-118
460-00-4	4-Bromofluorobenzene (Surr)	93		70-118
1868-53-7	Dibromofluoromethane (Surr)	102		70-128

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

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Client Sample ID: MW-107 Lab Sample ID: 180-14654-3

Matrix: Water Lab File ID: 6092932.D

Analysis Method: 8260B Date Collected: 09/20/2012 08:05

Sample wt/vol: 5(mL) Date Analyzed: 09/30/2012 00:00

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.: 50213 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\T6092912d.b\6092932.D
Lab Smp Id: 180-14654-E-3 Client Smp ID: MW-107
Inj Date : 30-SEP-2012 00:00
Operator : 403808 Inst ID: hp6.i
Smp Info : 180-14654-E-3
Misc Info : 180-14654-E-3
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6092912d.b\T8260bllw.m
Meth Date : 01-Oct-2012 08:25 fergusond Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-tic.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)	496251	50.0000	
* 69 Chlorobenzene-d5	119	10.400	10.401	(1.000)	116082	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.730	12.731	(1.000)	173104	50.0000	(Q)
$ 39 Dibromofluoromethane (Surr)	113	6.555	6.556	(0.897)	101919	50.9407	50.94
$ 43 1,2-Dichloroethane-d4	65	6.932	6.927	(0.948)	138772	62.2364	62.24
$ 59 Toluene-d8	98	8.958	8.959	(0.861)	464544	44.1613	44.16
$ 80 Bromofluorobenzene (Surr)	95	11.568	11.569	(1.112)	156507	46.5844	46.58
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-trifloro	101	Compound Not Detected.					
12 1,1-Dichloroethene	96	Compound Not Detected.					
13 Acetone	43	3.519	3.509	(0.482)	10182	15.6927	15.69
15 Carbon Disulfide	76	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	5.971	5.966	(0.817)	1546	0.52306	0.5230
M 29 1,2-Dichloroethene (total)	96				1546	0.52306	0.5230
31 2-Butanone	43	Compound Not Detected.					
37 Chloroform	83	Compound Not Detected.					
38 1,1,1-Trichloroethane	97	Compound Not Detected.					
41 Carbon Tetrachloride	117	Compound Not Detected.					
42 Benzene	78	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ng)
	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.					
	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.

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6092912d.b\6092932.D
Lab Smp Id: 180-14654-E-3 Client Smp ID: MW-107
Inj Date : 30-SEP-2012 00:00
Operator : 403808 Inst ID: hp6.i
Smp Info : 180-14654-E-3
Misc Info : 180-14654-E-3
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6092912d.b\T8260bllw.m
Meth Date : 01-Oct-2012 08:25 fergusond Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-tic.sub
Target Version: 4.14
Processing Host: PITPC-002

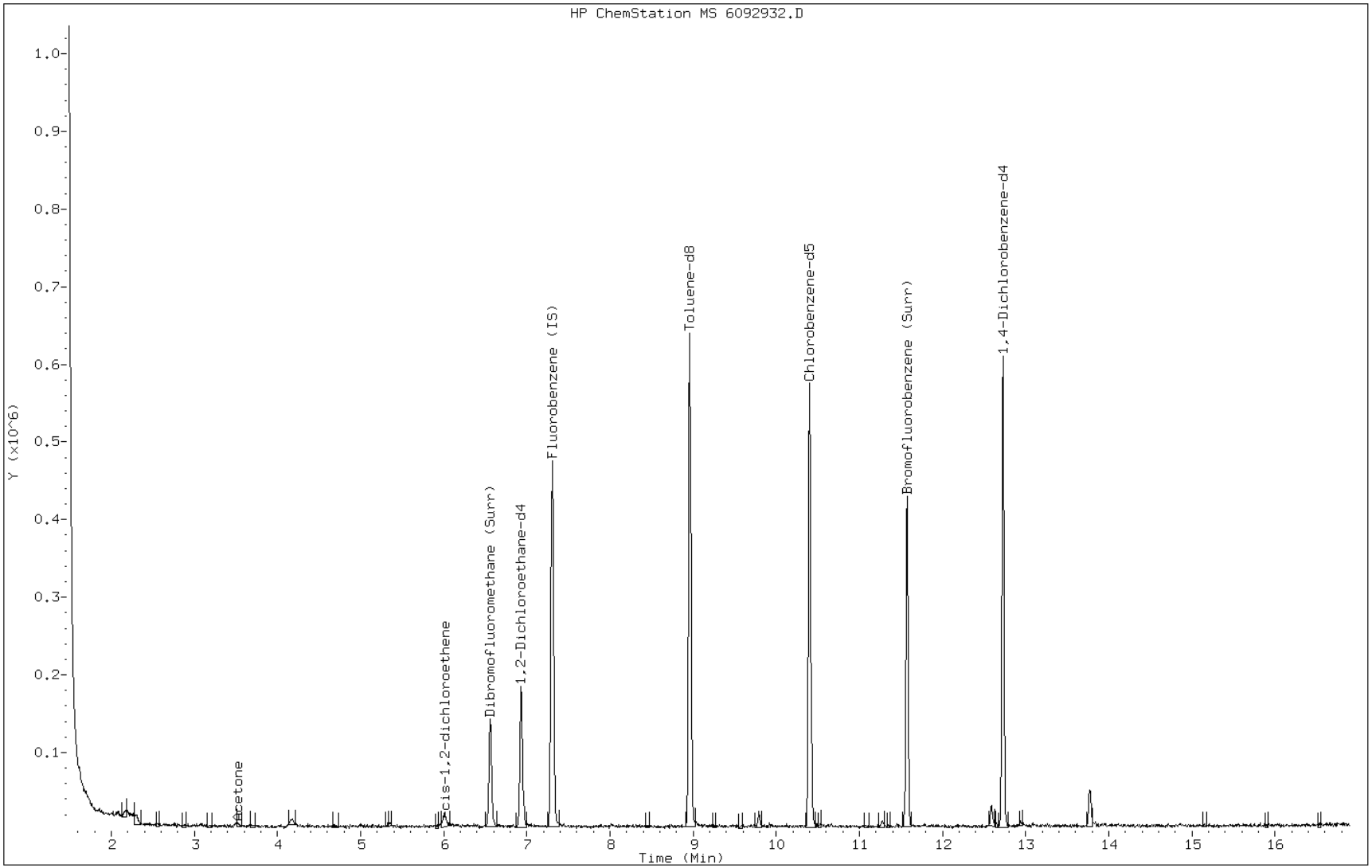
- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: 6092932.D

Date: 30-SEP-2012 00:00

Client ID: MW-107 Instrument: hp6.i

Sample Info: 180-14654-E-3 Operator: 403808



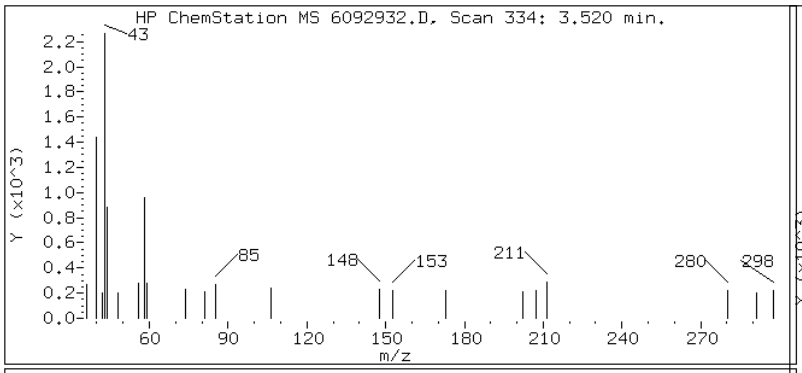
Data File: 6092932.D

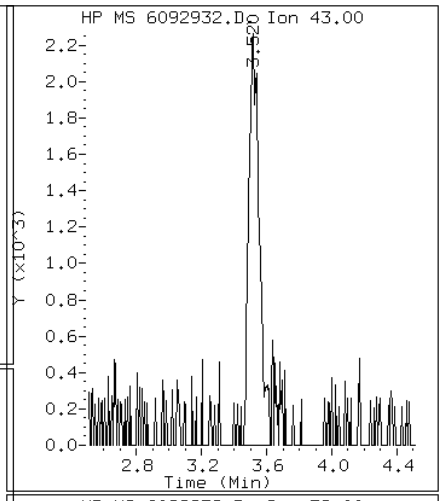
Date: 30-SEP-2012 00:00

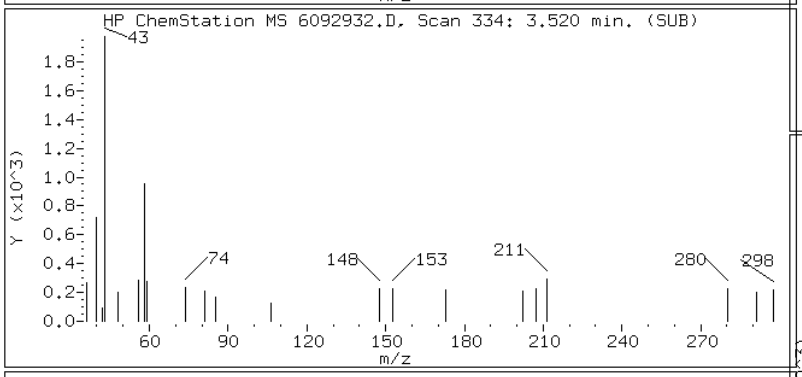
Client ID: MW-107 Instrument: hp6.i

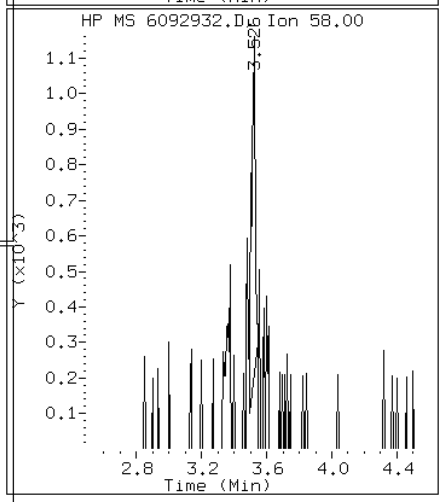
Sample Info: 180-14654-E-3 Operator: 403808

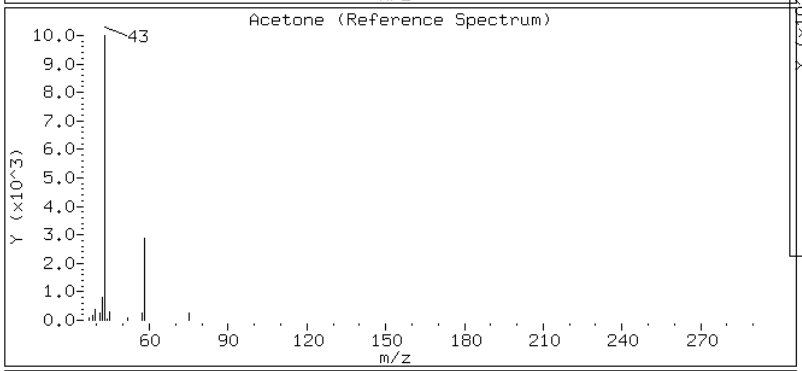
13 Acetone

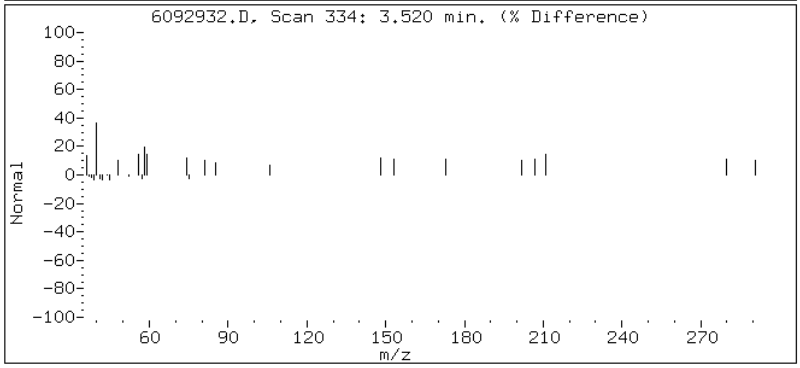












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14654-1

SDG No.:

Client Sample ID: MW-111 | Lab Sample ID: 180-14654-4

Matrix: Water | Lab File ID: 6092929.D

Analysis Method: 8260B | Date Collected: 09/20/2012 10:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/29/2012 22:47

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.: 50213 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	4.1	J	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	0.15	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.: 180-14654-1

SDG No.:

Client Sample ID: MW-111 | Lab Sample ID: 180-14654-4

Matrix: Water | Lab File ID: 6092929.D

Analysis Method: 8260B | Date Collected: 09/20/2012 10:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/29/2012 22:47

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.: 50213 | 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)	127		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)	103		70-128

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

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Client Sample ID: MW-111 Lab Sample ID: 180-14654-4

Matrix: Water Lab File ID: 6092929.D

Analysis Method: 8260B Date Collected: 09/20/2012 10:00

Sample wt/vol: 5(mL) Date Analyzed: 09/29/2012 22:47

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.: 50213 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\T6092912d.b\6092929.D
Lab Smp Id: 180-14654-E-4 Client Smp ID: MW-111
Inj Date : 29-SEP-2012 22:47
Operator : 403808 Inst ID: hp6.i
Smp Info : 180-14654-E-4
Misc Info : 180-14654-E-4
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6092912d.b\T8260bllw.m
Meth Date : 01-Oct-2012 08:25 fergusond Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-tic.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)	483732	50.0000	
* 69 Chlorobenzene-d5	119	10.399	10.401	(1.000)	114765	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.729	12.731	(1.000)	170344	50.0000	(Q)
$ 39 Dibromofluoromethane (Surr)	113	6.561	6.556	(0.898)	100741	51.6550	51.65
$ 43 1,2-Dichloroethane-d4	65	6.932	6.927	(0.948)	138032	63.5066	63.51
$ 59 Toluene-d8	98	8.957	8.959	(0.861)	448617	43.1366	43.14
$ 80 Bromofluorobenzene (Surr)	95	11.567	11.569	(1.112)	154451	46.5000	46.50
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-trifloro	101	Compound Not Detected.					
12 1,1-Dichloroethene	96	Compound Not Detected.					
13 Acetone	43	3.513	3.509	(0.481)	12831	20.2871	20.29(M)
15 Carbon Disulfide	76	Compound Not Detected.					
18 Methylene Chloride	84	4.170	4.166	(0.571)	8839	0.77375	0.7737
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	5.977	5.966	(0.818)	1828	0.63447	0.6345(Q)
M 29 1,2-Dichloroethene (total)	96				1828	0.63447	0.6345
31 2-Butanone	43	Compound Not Detected.					
37 Chloroform	83	Compound Not Detected.					
38 1,1,1-Trichloroethane	97	Compound Not Detected.					
41 Carbon Tetrachloride	117	Compound Not Detected.					
42 Benzene	78	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ng)
	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.					
	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\T6092912d.b\6092929.D
Lab Smp Id: 180-14654-E-4 Client Smp ID: MW-111
Inj Date : 29-SEP-2012 22:47
Operator : 403808 Inst ID: hp6.i
Smp Info : 180-14654-E-4
Misc Info : 180-14654-E-4
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6092912d.b\T8260bllw.m
Meth Date : 01-Oct-2012 08:25 fergusond Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-tic.sub
Target Version: 4.14
Processing Host: PITPC-002

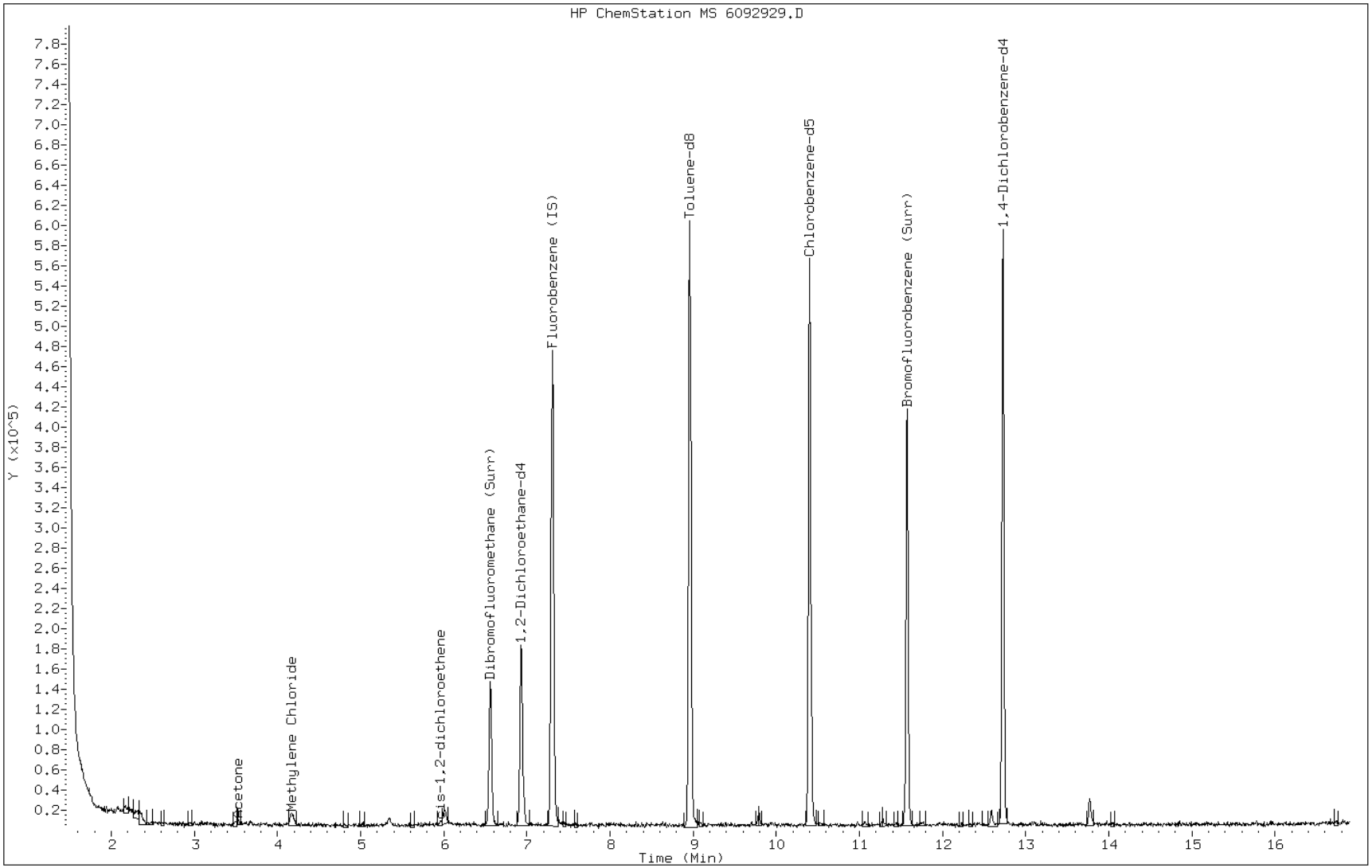
- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: 6092929.D

Date: 29-SEP-2012 22:47

Client ID: MW-111 Instrument: hp6.i

Sample Info: 180-14654-E-4 Operator: 403808



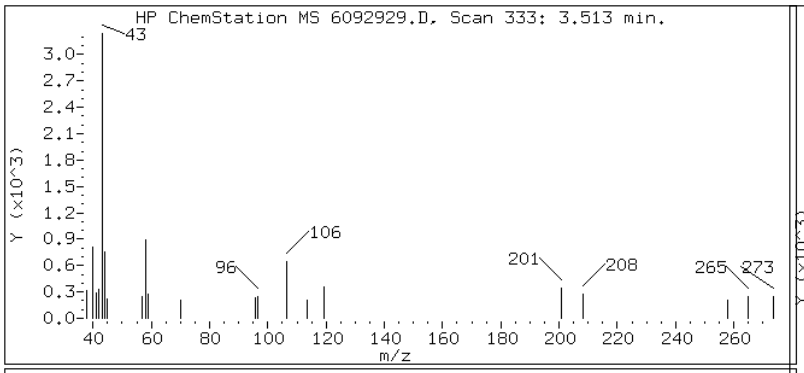
Data File: 6092929.D

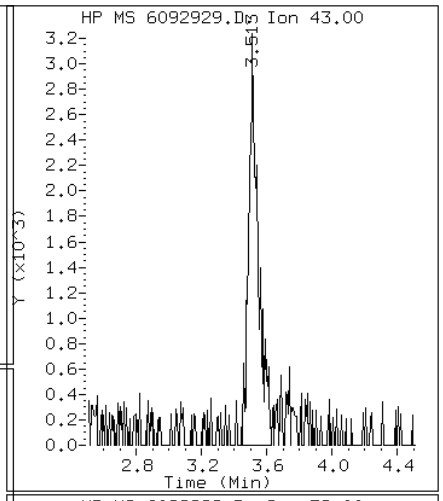
Date: 29-SEP-2012 22:47

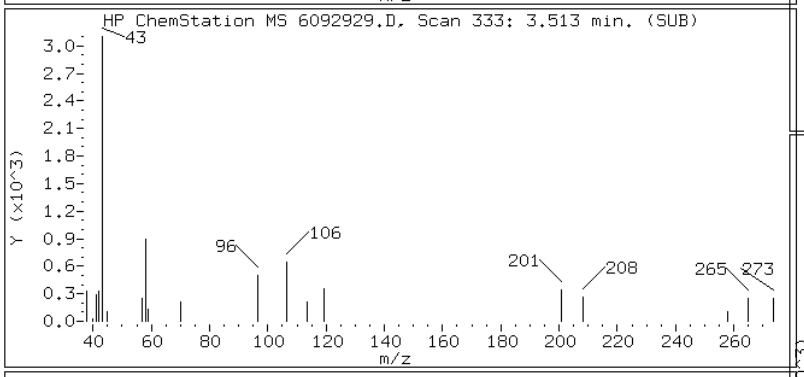
Client ID: MW-111 Instrument: hp6.i

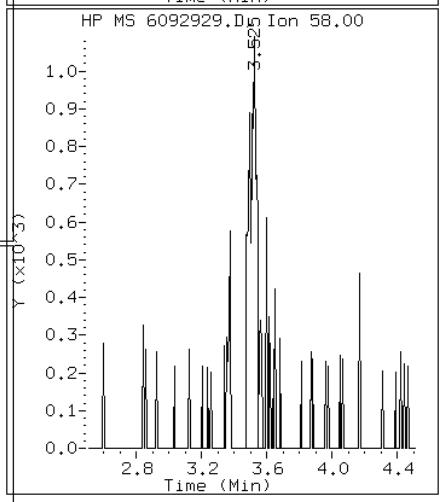
Sample Info: 180-14654-E-4 Operator: 403808

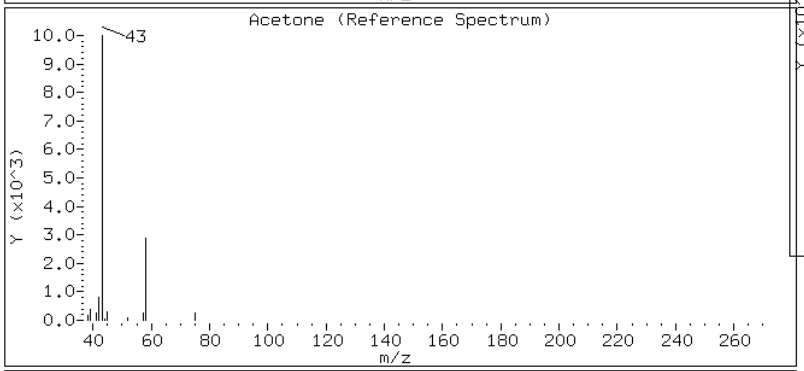
13 Acetone

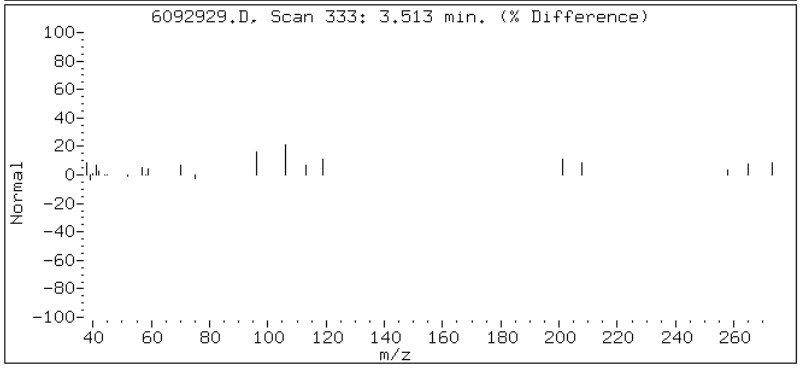












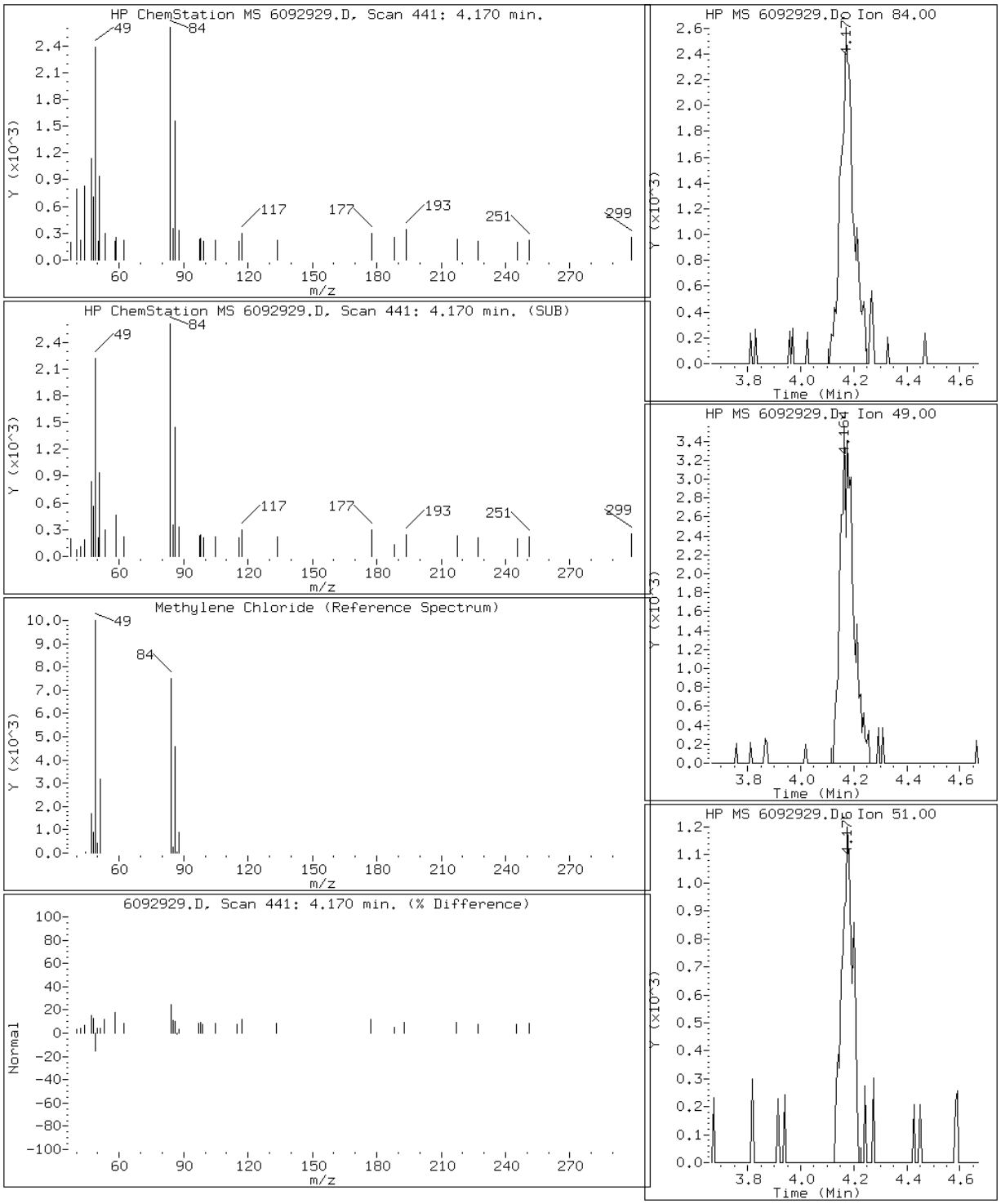
Data File: 6092929.D

Date: 29-SEP-2012 22:47

Client ID: MW-111 Instrument: hp6.i

Sample Info: 180-14654-E-4 Operator: 403808

18 Methylene Chloride



Manual Integration Report

Data File: 6092929.D
Inj. Date and Time: 29-SEP-2012 22:47
Instrument ID: hp6.i
Client ID: MW-111
Compound: 13 Acetone
CAS #: 67-64-1
Report Date: 10/01/2012

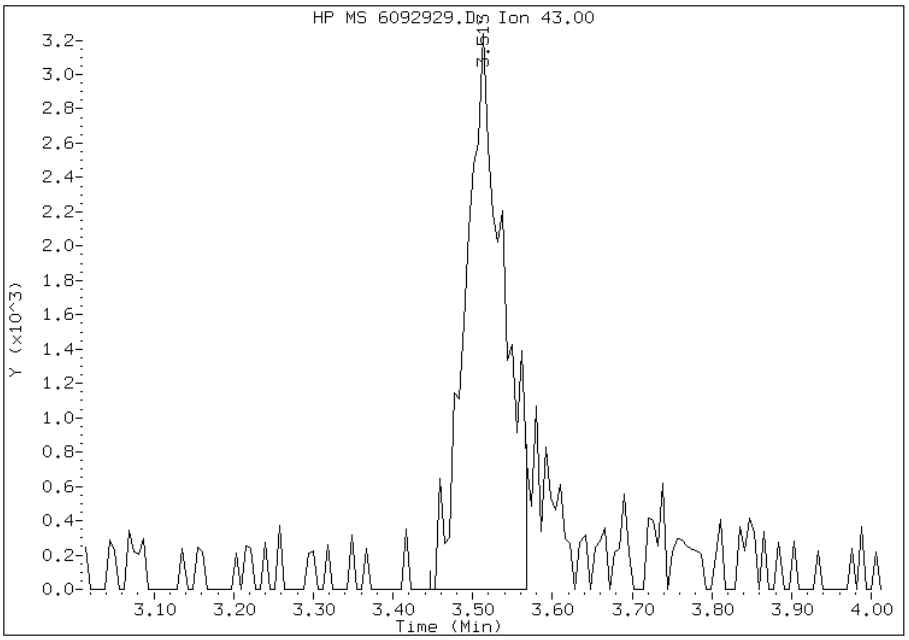
Processing Integration Results

RT: 3.51

Response: 11041

Amount: 17

Conc: 17



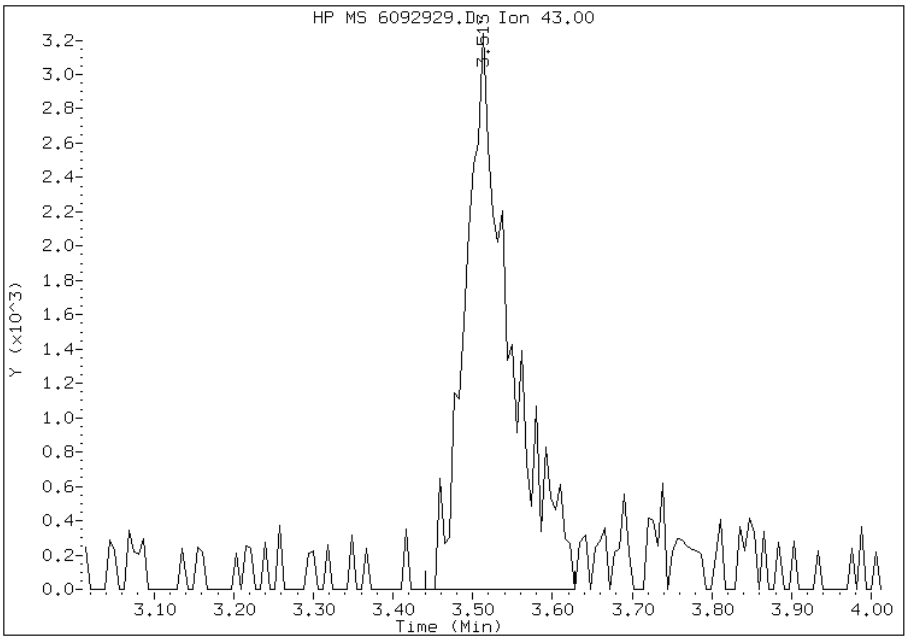
Manual Integration Results

RT: 3.51

Response: 12831

Amount: 20

Conc: 20



Manually Integrated By: fergusond
Modification Date: 01-Oct-2012 10:19
Manual Integration Reason: Peak Integrated Incorrectly

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14654-1

SDG No.:

Client Sample ID: WWT-1 | Lab Sample ID: 180-14654-5

Matrix: Water | Lab File ID: 6092930.D

Analysis Method: 8260B | Date Collected: 09/20/2012 10:50

Sample wt/vol: 5(mL) | Date Analyzed: 09/29/2012 23:11

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.: 50213 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	5.8		5.0	2.5
71-43-2	Benzene	0.59	J	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	0.30	J	1.0	0.21
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	0.22	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	0.41	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	0.91	J	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	0.38	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	0.18	J	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	5.0		1.0	0.14
75-69-4	Trichlorofluoromethane	3.3		1.0	0.20
75-01-4	Vinyl chloride	1.9		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.: 180-14654-1

SDG No.:

Client Sample ID: WWT-1 | Lab Sample ID: 180-14654-5

Matrix: Water | Lab File ID: 6092930.D

Analysis Method: 8260B | Date Collected: 09/20/2012 10:50

Sample wt/vol: 5(mL) | Date Analyzed: 09/29/2012 23:11

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.: 50213 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	3.9		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)	131		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)	104		70-128

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

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Client Sample ID: WWT-1 Lab Sample ID: 180-14654-5

Matrix: Water Lab File ID: 6092930.D

Analysis Method: 8260B Date Collected: 09/20/2012 10:50

Sample wt/vol: 5(mL) Date Analyzed: 09/29/2012 23:11

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.: 50213 Units: ug/L

Number TICs Found: 1 TIC Result Total: 1.1

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown chlorinated hydrocarbon	11.76	1.1	T J

FORM I-TIC 8260B

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6092912d.b\6092930.D
Lab Smp Id: 180-14654-A-5 Client Smp ID: WWT-1
Inj Date : 29-SEP-2012 23:11
Operator : 403808 Inst ID: hp6.i
Smp Info : 180-14654-A-5
Misc Info : 180-14654-A-5
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6092912d.b\T8260bllw.m
Meth Date : 01-Oct-2012 08:25 fergusond Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-tic.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	7.305	(1.000)	499292	50.0000	
* 69 Chlorobenzene-d5	119	10.401	10.401	(1.000)	118197	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.731	12.731	(1.000)	177307	50.0000	(Q)
$ 39 Dibromofluoromethane (Surr)	113	6.562	6.556	(0.898)	104882	52.1023	52.10
$ 43 1,2-Dichloroethane-d4	65	6.933	6.927	(0.948)	147061	65.5521	65.55
$ 59 Toluene-d8	98	8.959	8.959	(0.861)	468888	43.7766	43.78
$ 80 Bromofluorobenzene (Surr)	95	11.569	11.569	(1.112)	155614	45.4898	45.49
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	1.890	1.890	(0.259)	29652	9.70064	9.701
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	2.717	2.712	(0.372)	49908	16.3445	16.34
10 1,1,2-trichloro-1,2,2-trifloro	101	Compound Not Detected.					
12 1,1-Dichloroethene	96	Compound Not Detected.					
13 Acetone	43	3.508	3.509	(0.480)	19055	29.1890	29.19
15 Carbon Disulfide	76	3.679	3.673	(0.503)	9232	1.48482	1.485
18 Methylene Chloride	84	4.171	4.166	(0.571)	12148	1.92053	1.920
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	5.966	5.966	(0.816)	57983	19.4978	19.50
M 29 1,2-Dichloroethene (total)	96				57983	19.4978	19.50
31 2-Butanone	43	Compound Not Detected.					
37 Chloroform	83	Compound Not Detected.					
38 1,1,1-Trichloroethane	97	Compound Not Detected.					
41 Carbon Tetrachloride	117	Compound Not Detected.					
42 Benzene	78	6.994	6.988	(0.957)	33098	2.94182	2.942

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
	45 1,2-Dichloroethane	62	7.024	7.019	(0.961)	6127	2.05143	2.051
	47 Trichloroethene	130	7.700	7.694	(1.053)	70059	25.2331	25.23
	49 1,2-Dichloropropane	63	7.937	7.937	(1.086)	12073	4.53984	4.540
	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.					
	64 1,1,2-Trichloroethane	97	Compound Not Detected.					
	65 Tetrachloroethene	164	9.573	9.574	(0.920)	1925	0.91815	0.9182(Q)
	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	(1.003)	8387	1.10812	1.108(Q)
	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.

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6092912d.b\6092930.D
Lab Smp Id: 180-14654-A-5 Client Smp ID: WWT-1
Inj Date : 29-SEP-2012 23:11
Operator : 403808 Inst ID: hp6.i
Smp Info : 180-14654-A-5
Misc Info : 180-14654-A-5
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6092912d.b\T8260bllw.m
Meth Date : 01-Oct-2012 08:25 fergusond Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-tic.sub
Target Version: 4.14
Processing Host: PITPC-002

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

ISTD	RT	AREA	AMOUNT
* 92 1,4-Dichlorobenzene-d4	12.731	1128041	50.000

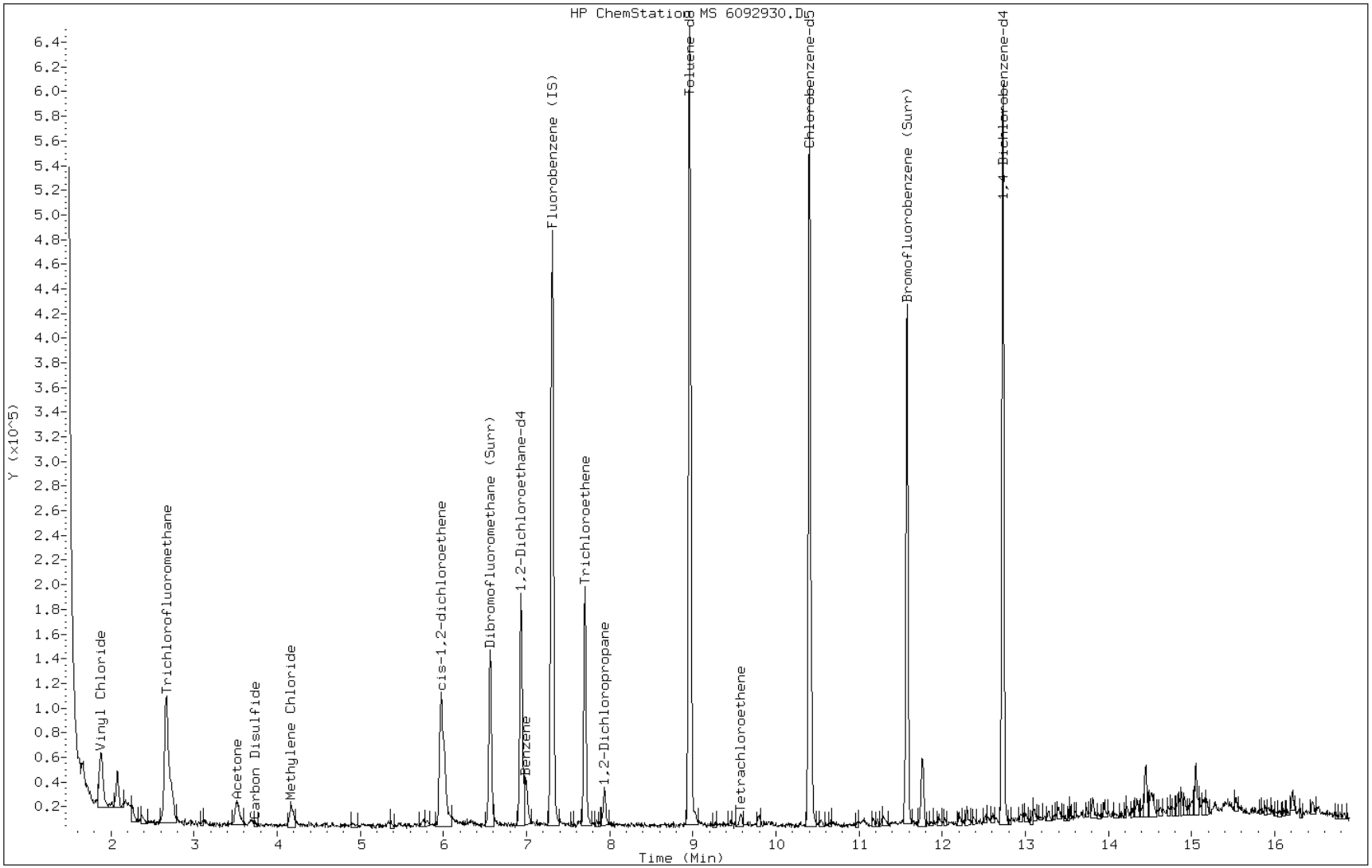
	CONCENTRATIONS			QUANT			
RT	AREA	ON-COL(ng)	FINAL(ng)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown chlorinated hydrocarbon					CAS #:		
11.758	120787	5.35384938	5.354	0		0	92

Data File: 6092930.D

Date: 29-SEP-2012 23:11

Client ID: WWT-1 Instrument: hp6.i

Sample Info: 180-14654-A-5 Operator: 403808



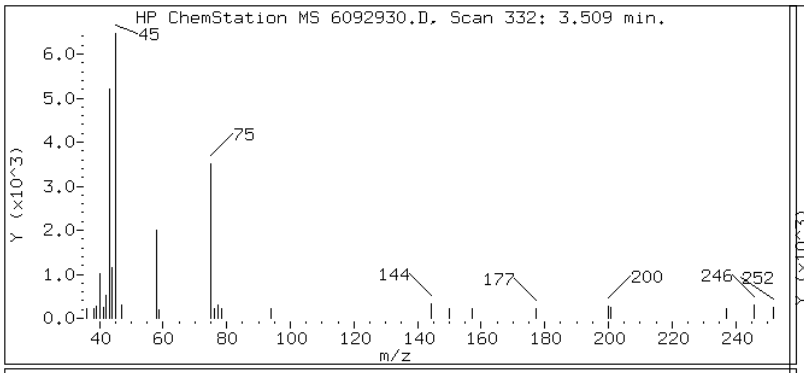
Data File: 6092930.D

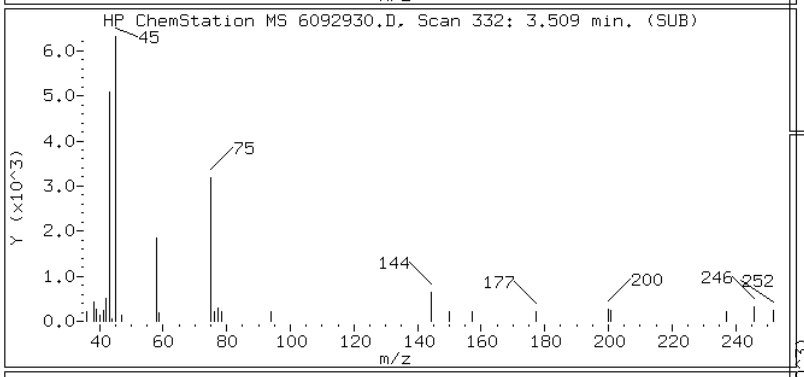
Date: 29-SEP-2012 23:11

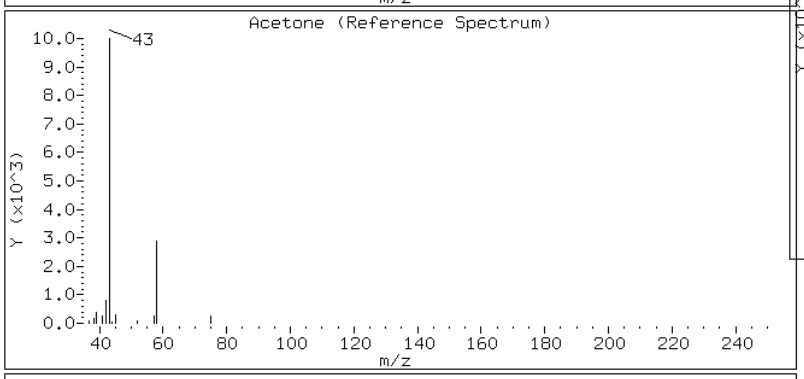
Client ID: WWT-1 Instrument: hp6.i

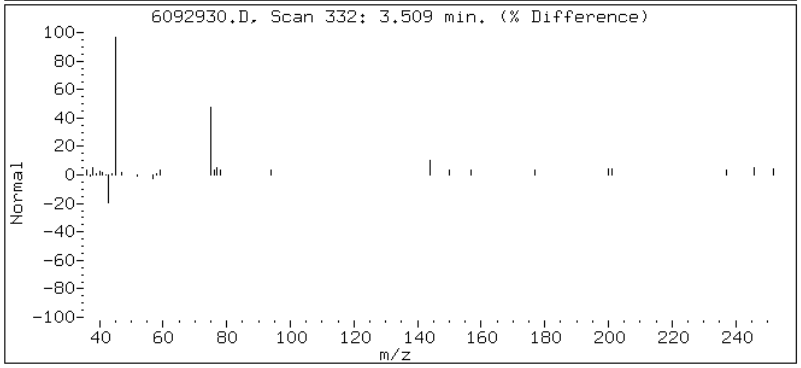
Sample Info: 180-14654-A-5 Operator: 403808

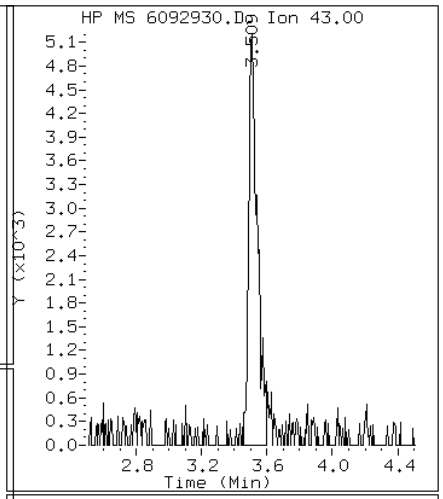
13 Acetone

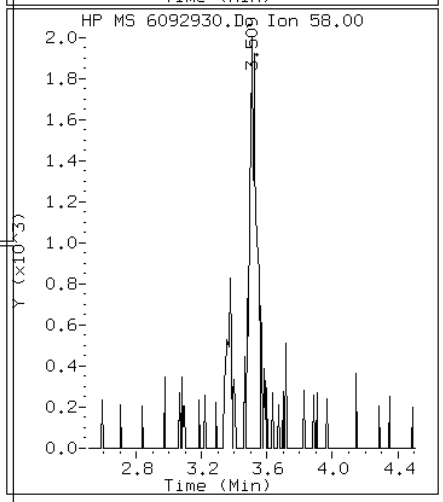












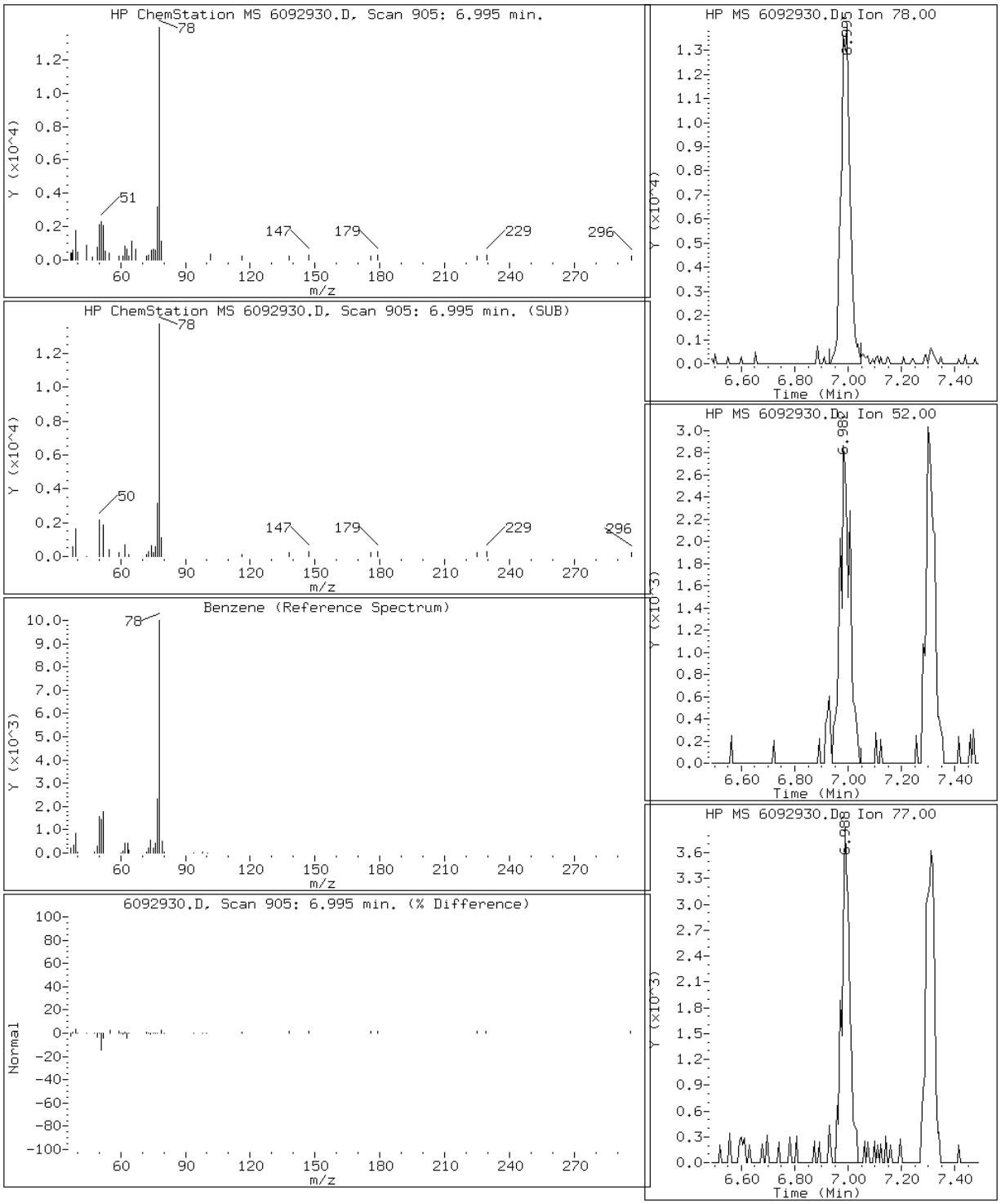
Data File: 6092930.D

Date: 29-SEP-2012 23:11

Client ID: WWT-1 Instrument: hp6.i

Sample Info: 180-14654-A-5 Operator: 403808

42 Benzene



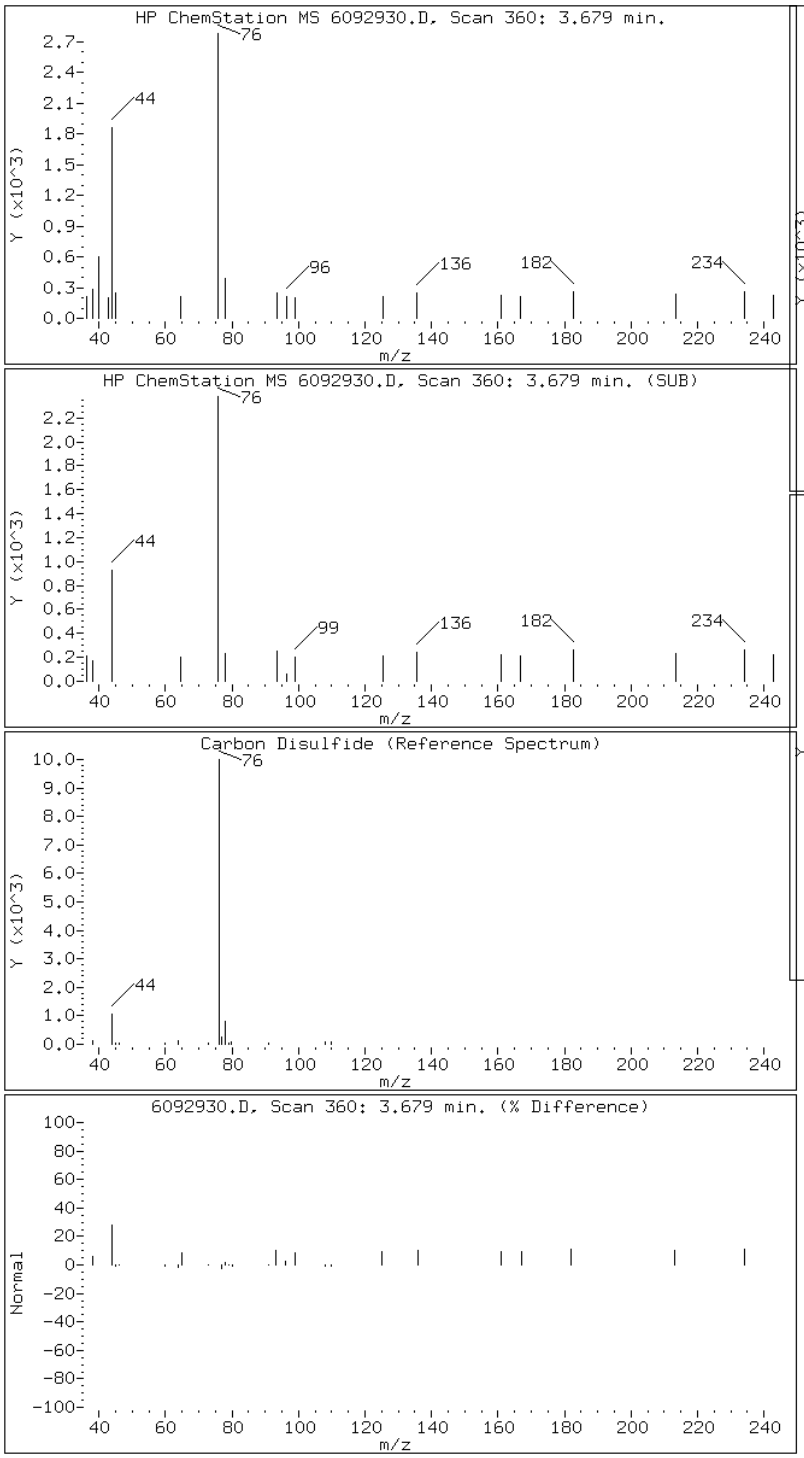
Data File: 6092930.D

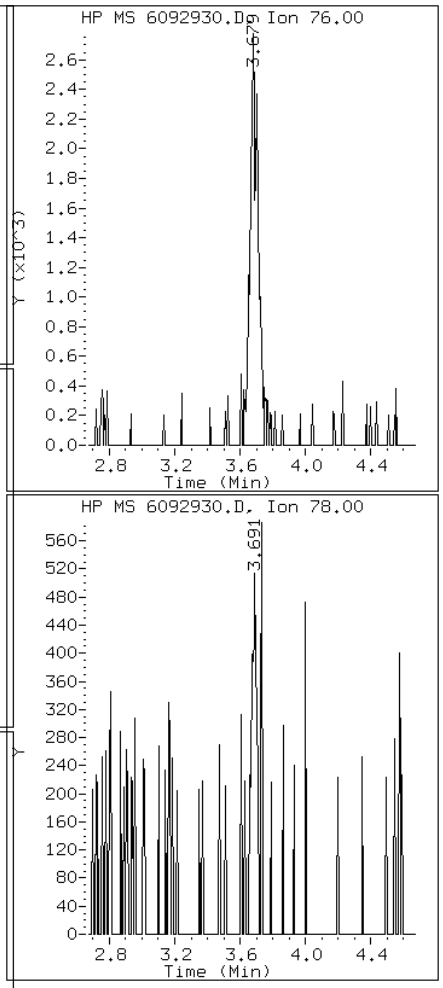
Date: 29-SEP-2012 23:11

Client ID: WWT-1 Instrument: hp6.i

Sample Info: 180-14654-A-5 Operator: 403808

15 Carbon Disulfide





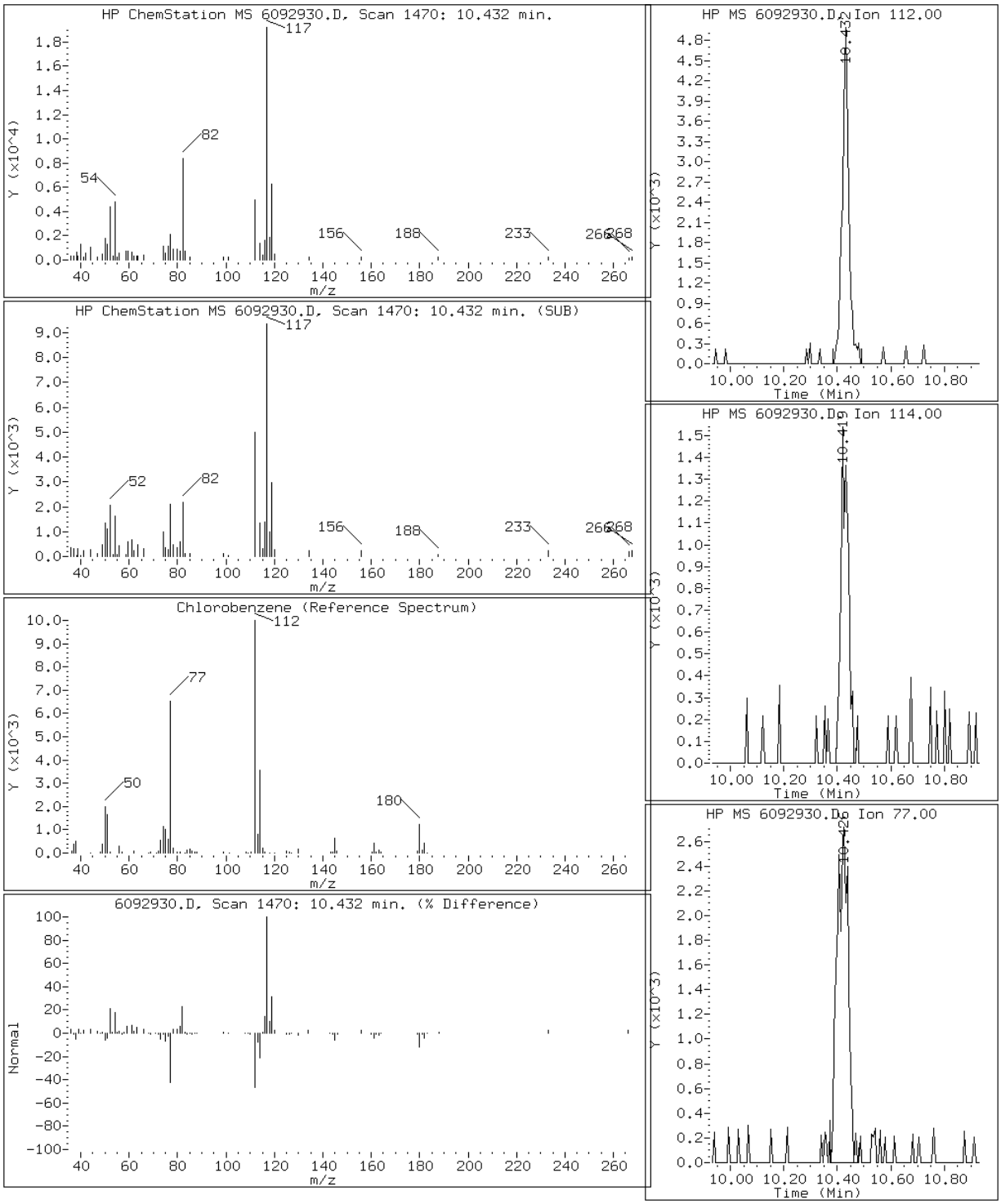
Data File: 6092930.D

Date: 29-SEP-2012 23:11

Client ID: WWT-1 Instrument: hp6.i

Sample Info: 180-14654-A-5 Operator: 403808

70 Chlorobenzene



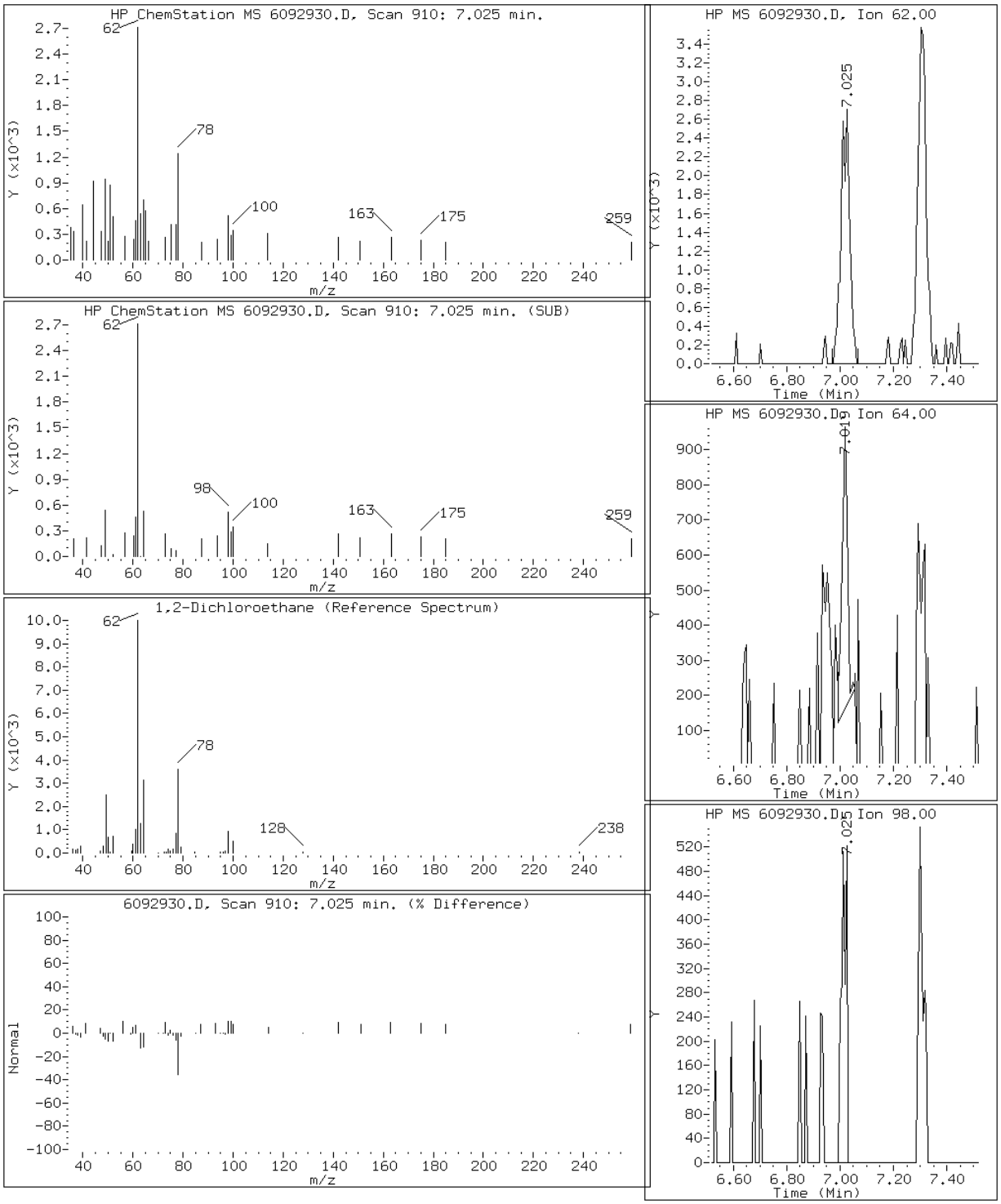
Data File: 6092930.D

Date: 29-SEP-2012 23:11

Client ID: WWT-1 Instrument: hp6.i

Sample Info: 180-14654-A-5 Operator: 403808

45 1,2-Dichloroethane



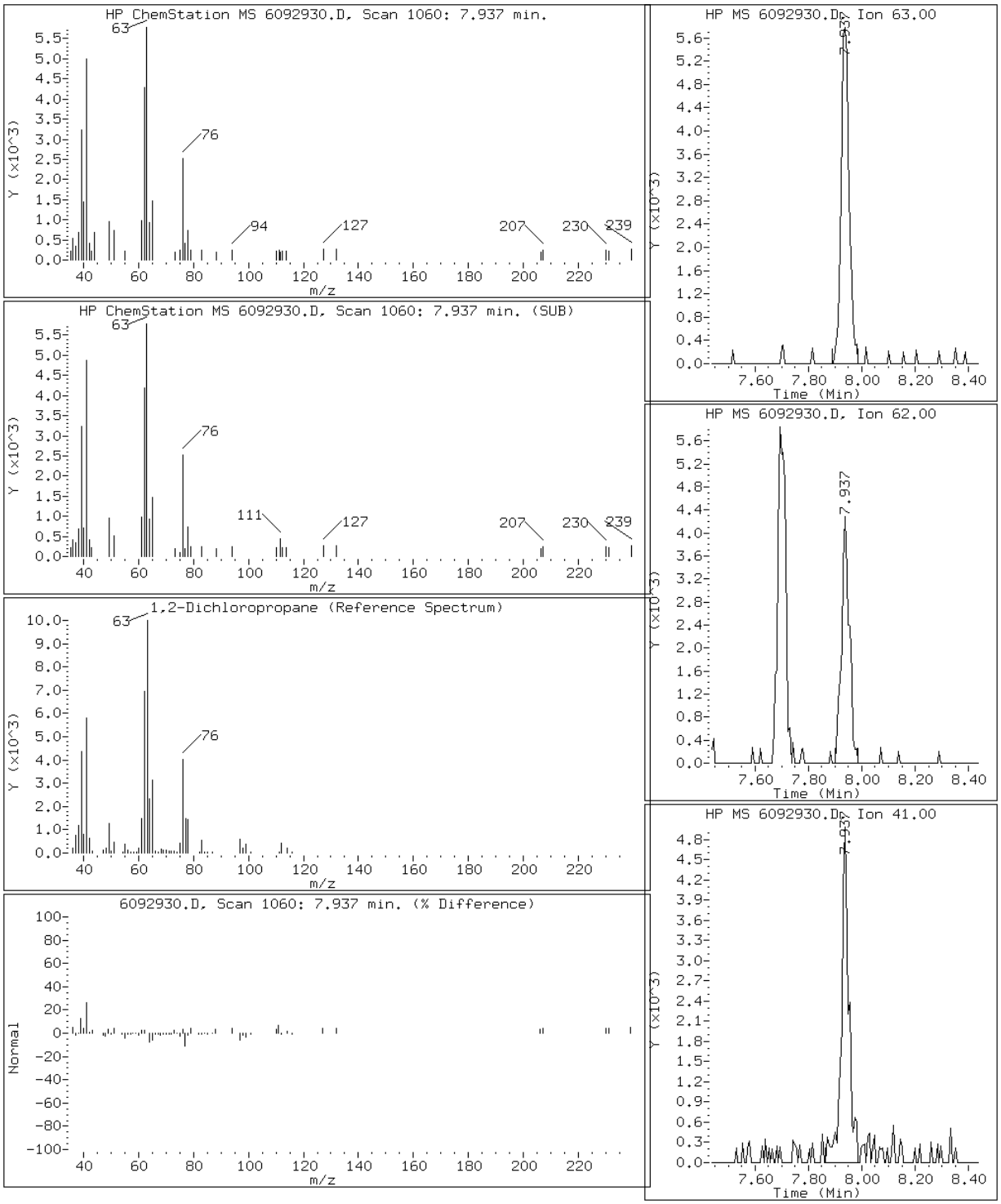
Data File: 6092930.D

Date: 29-SEP-2012 23:11

Client ID: WWT-1 Instrument: hp6.i

Sample Info: 180-14654-A-5 Operator: 403808

49 1,2-Dichloropropane



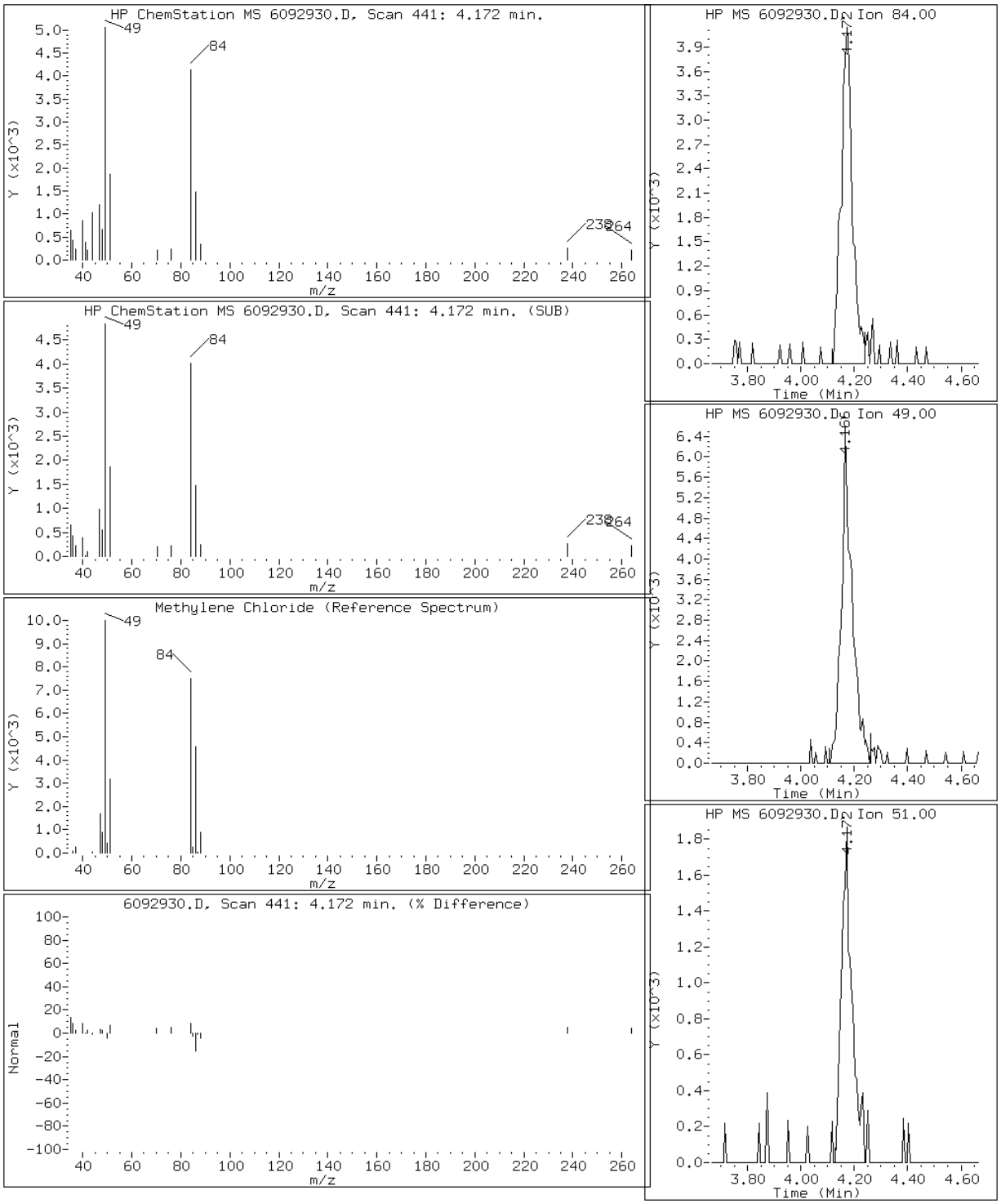
Data File: 6092930.D

Date: 29-SEP-2012 23:11

Client ID: WWT-1 Instrument: hp6.i

Sample Info: 180-14654-A-5 Operator: 403808

18 Methylene Chloride



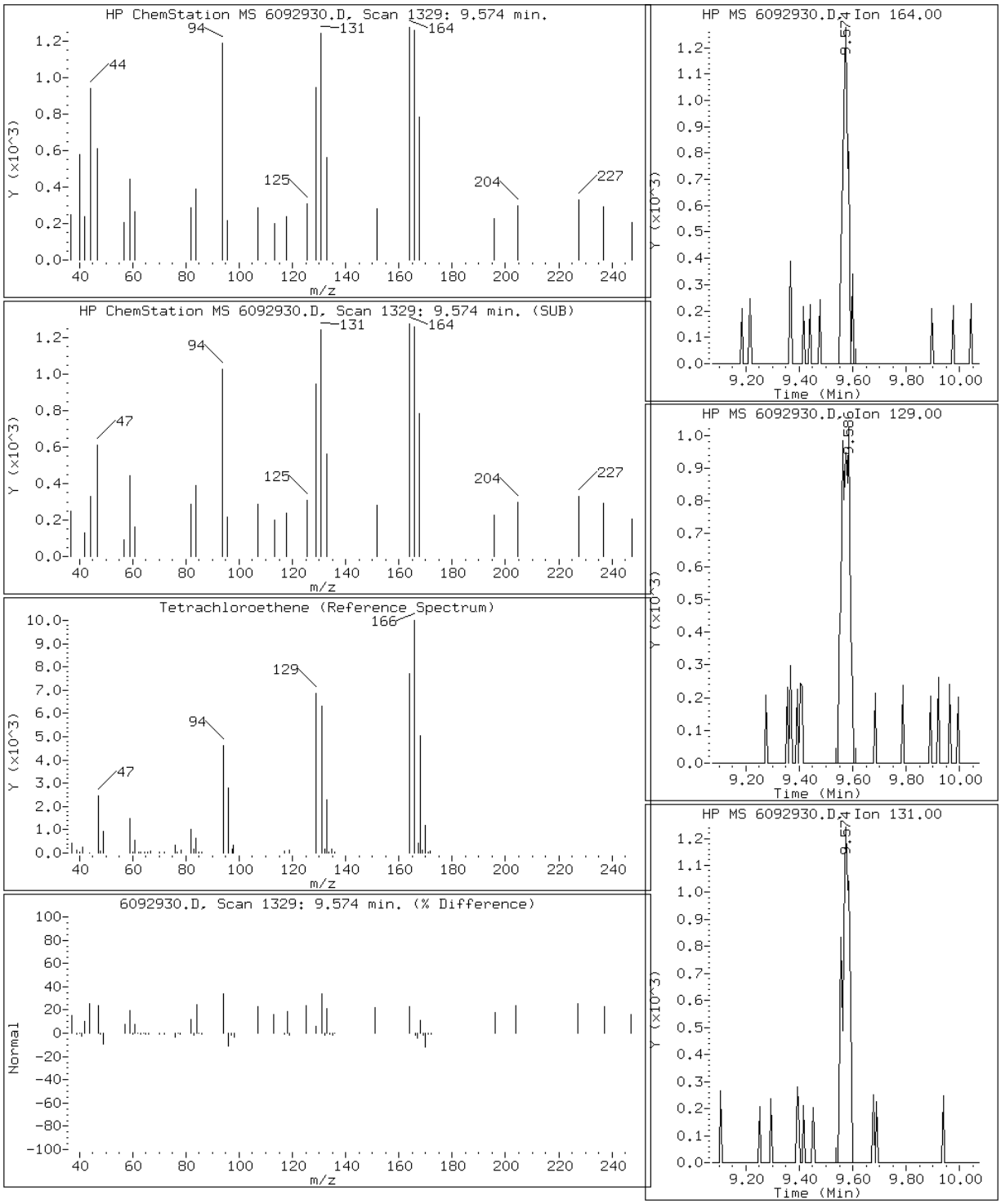
Data File: 6092930.D

Date: 29-SEP-2012 23:11

Client ID: WWT-1 Instrument: hp6.i

Sample Info: 180-14654-A-5 Operator: 403808

65 Tetrachloroethene



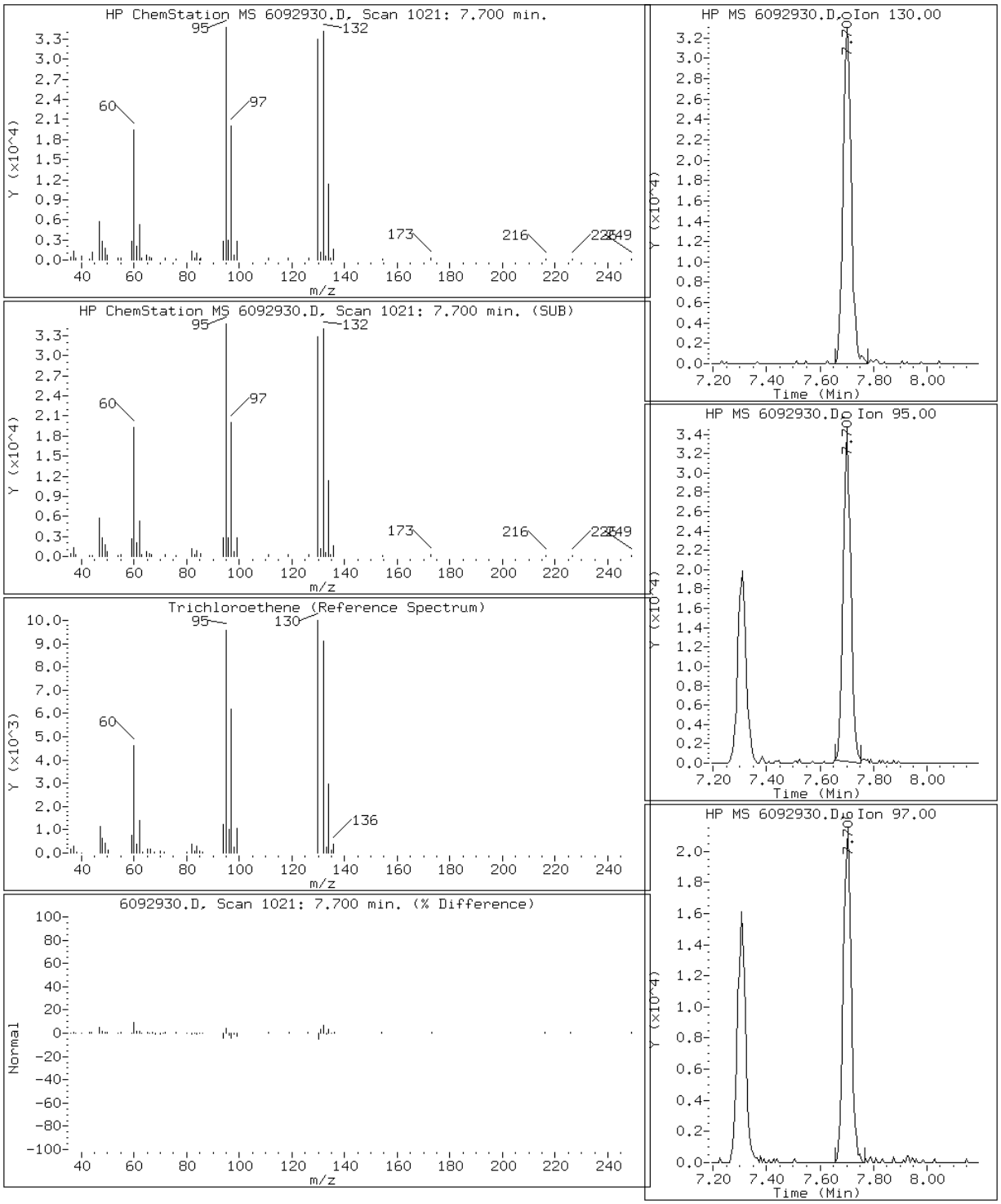
Data File: 6092930.D

Date: 29-SEP-2012 23:11

Client ID: WWT-1 Instrument: hp6.i

Sample Info: 180-14654-A-5 Operator: 403808

47 Trichloroethene



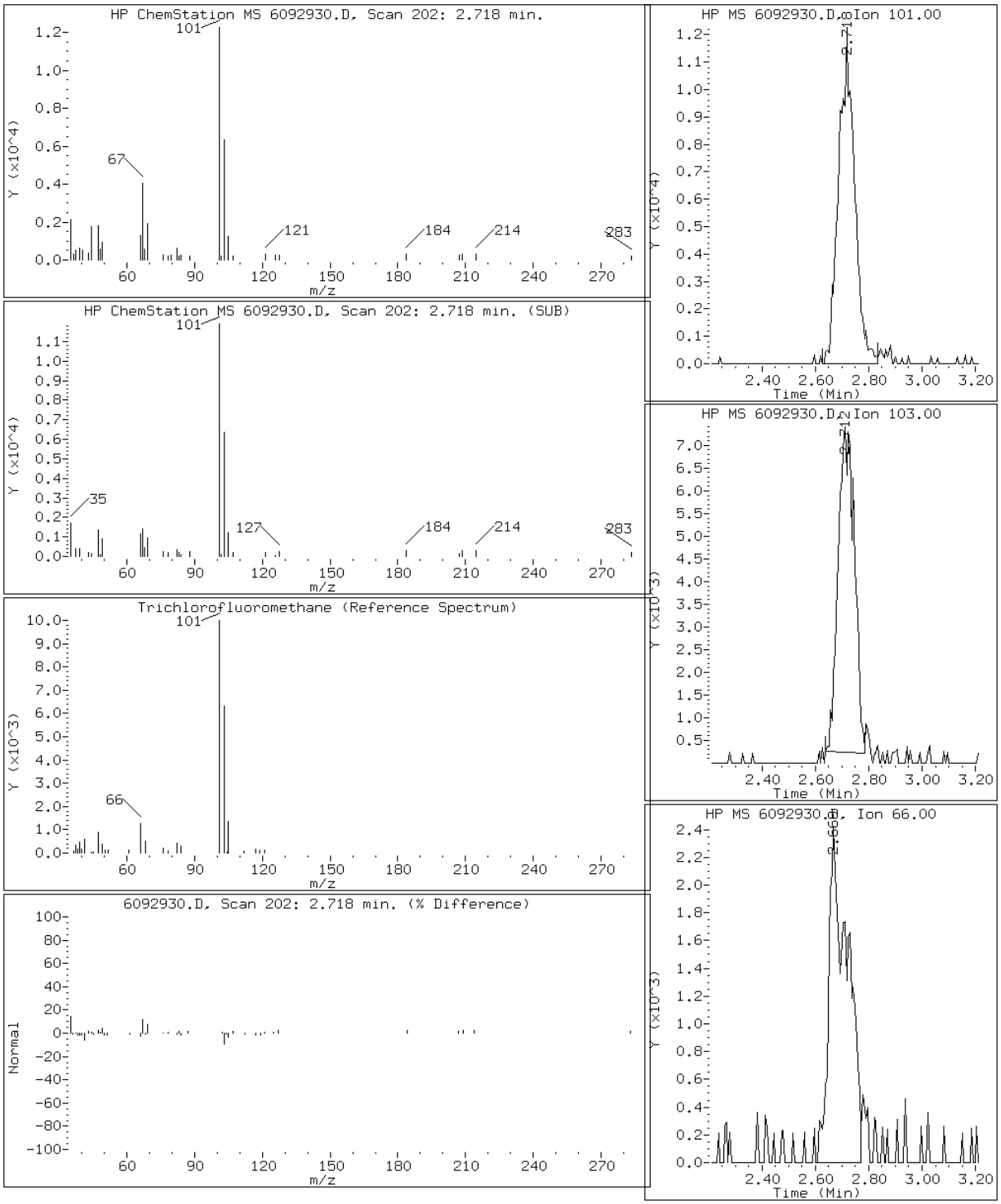
Data File: 6092930.D

Date: 29-SEP-2012 23:11

Client ID: WWT-1 Instrument: hp6.i

Sample Info: 180-14654-A-5 Operator: 403808

6 Trichlorofluoromethane



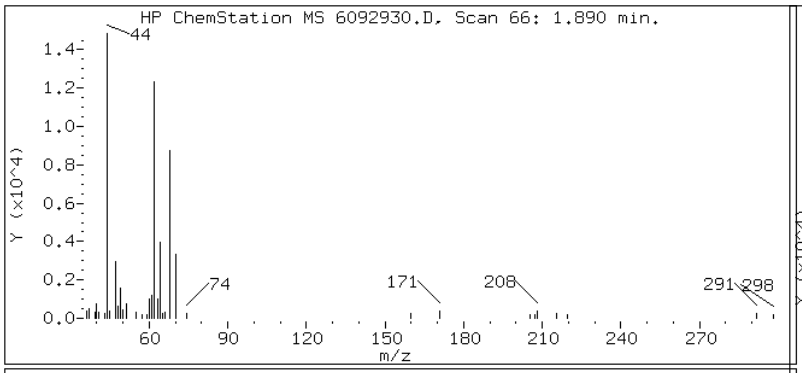
Data File: 6092930.D

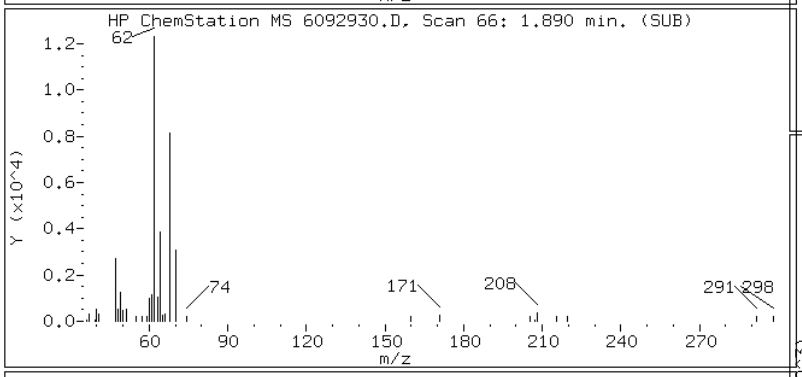
Date: 29-SEP-2012 23:11

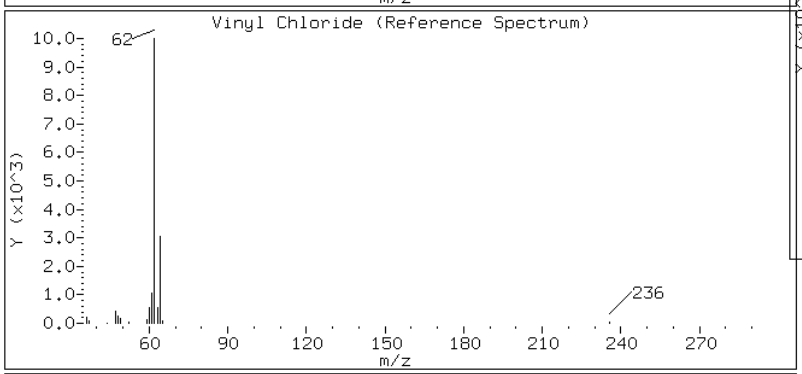
Client ID: WWT-1 Instrument: hp6.i

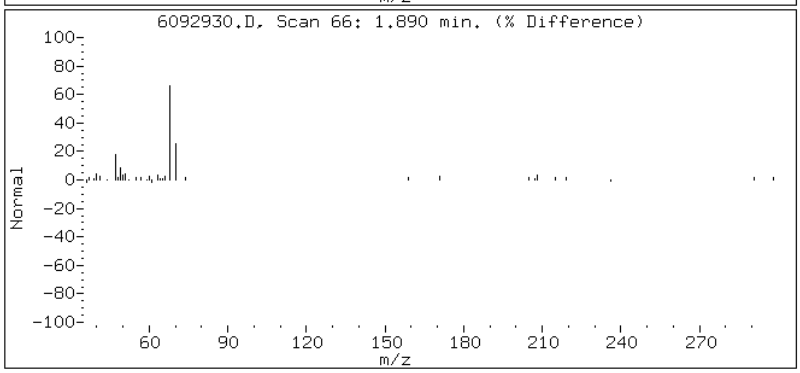
Sample Info: 180-14654-A-5 Operator: 403808

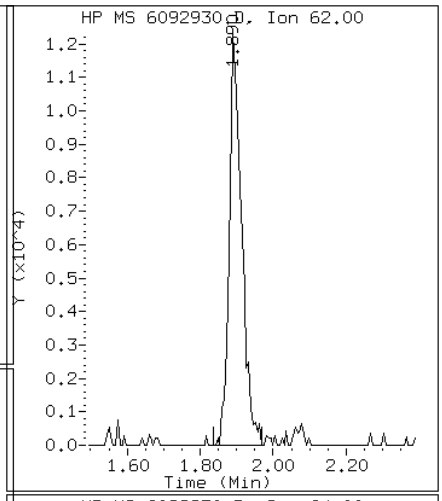
3 Vinyl Chloride

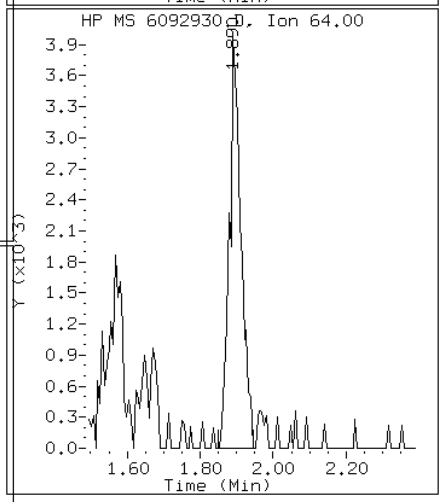












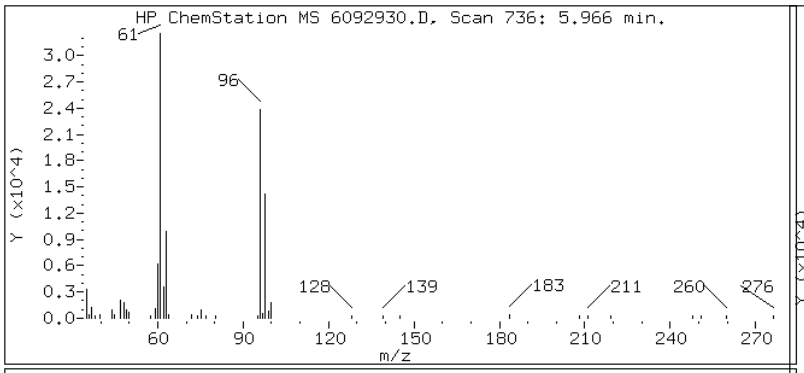
Data File: 6092930.D

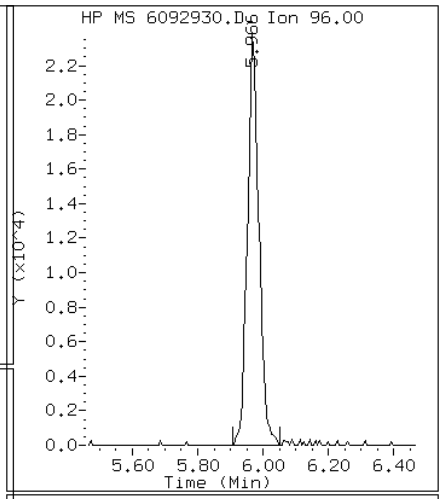
Date: 29-SEP-2012 23:11

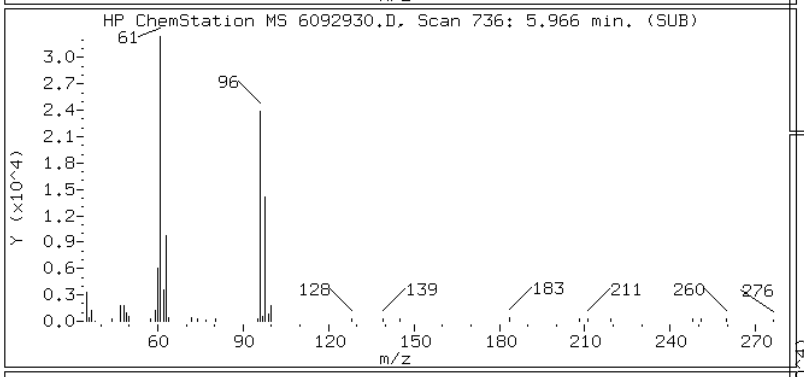
Client ID: WWT-1 Instrument: hp6.i

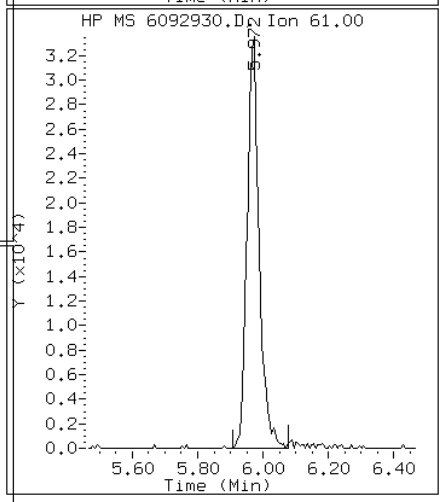
Sample Info: 180-14654-A-5 Operator: 403808

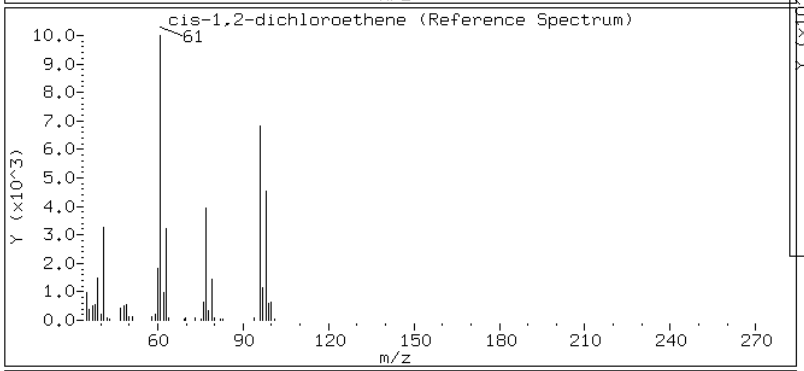
28 cis-1,2-dichloroethene

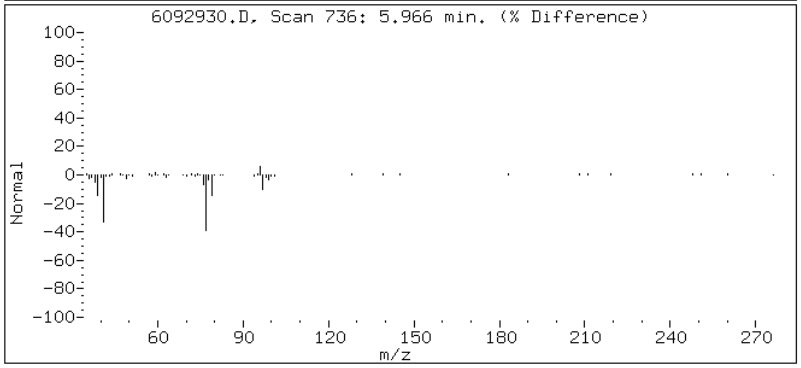












Data File: 6092930.D

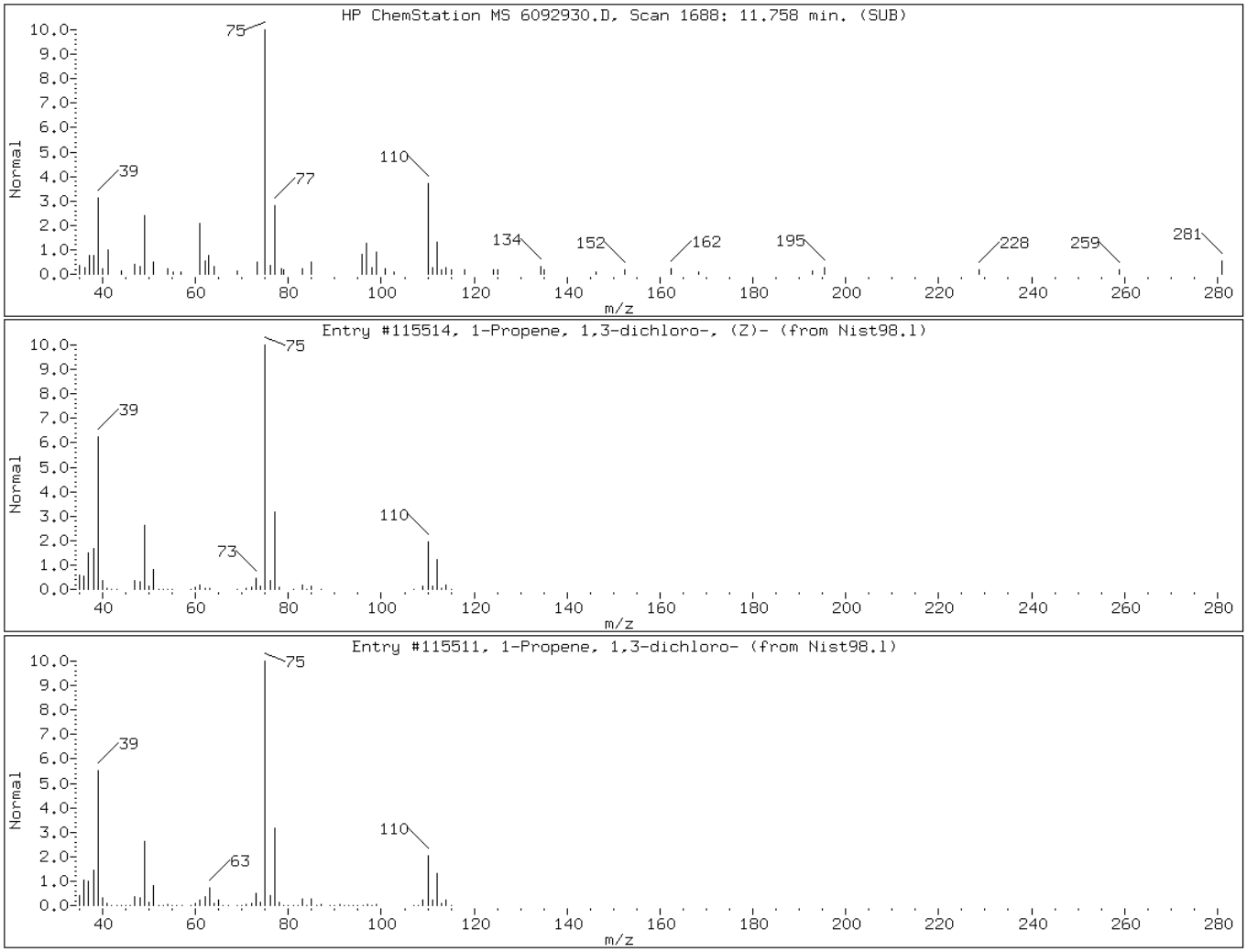
Date: 29-SEP-2012 23:11

Client ID: WWT-1 Instrument: hp6.i

Sample Info: 180-14654-A-5 Operator: 403808

Retention Time: 11.76

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown chlorinated hydrocarbon						
1-Propene, 1,3-dichloro-, (Z)-	10061-01-5	Nist98.l	115514	50	C3H4Cl2	110
1-Propene, 1,3-dichloro-	542-75-6	Nist98.l	115511	45	C3H4Cl2	110



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14654-1

SDG No.:

Client Sample ID: MW-103 | Lab Sample ID: 180-14654-6

Matrix: Water | Lab File ID: 6092933.D

Analysis Method: 8260B | Date Collected: 09/20/2012 07:45

Sample wt/vol: 5(mL) | Date Analyzed: 09/30/2012 00:24

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.: 50213 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	4.9	J	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	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.: 180-14654-1

SDG No.:

Client Sample ID: MW-103 | Lab Sample ID: 180-14654-6

Matrix: Water | Lab File ID: 6092933.D

Analysis Method: 8260B | Date Collected: 09/20/2012 07:45

Sample wt/vol: 5(mL) | Date Analyzed: 09/30/2012 00:24

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.: 50213 | 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)	124		64-135
2037-26-5	Toluene-d8 (Surr)	83		71-118
460-00-4	4-Bromofluorobenzene (Surr)	92		70-118
1868-53-7	Dibromofluoromethane (Surr)	103		70-128

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

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Client Sample ID: MW-103 Lab Sample ID: 180-14654-6

Matrix: Water Lab File ID: 6092933.D

Analysis Method: 8260B Date Collected: 09/20/2012 07:45

Sample wt/vol: 5(mL) Date Analyzed: 09/30/2012 00:24

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.: 50213 Units: ug/L

Number TICs Found: 2 TIC Result Total: 5.5

CAS NO.	COMPOUND NAME	RT	RESULT	Q
66-25-1	Hexanal	9.79	1.4	T J N
124-19-6	Nonanal	13.78	4.1	T J N

FORM I-TIC 8260B

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6092912d.b\6092933.D
Lab Smp Id: 180-14654-G-6 Client Smp ID: MW-103
Inj Date : 30-SEP-2012 00:24
Operator : 403808 Inst ID: hp6.i
Smp Info : 180-14654-G-6
Misc Info : 180-14654-G-6
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6092912d.b\T8260bllw.m
Meth Date : 01-Oct-2012 08:25 fergusond Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-tic.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)	484750	50.0000	
*	69 Chlorobenzene-d5	119	10.405	10.401	(1.000)	116967	50.0000	
*	92 1,4-Dichlorobenzene-d4	152	12.729	12.731	(1.000)	170536	50.0000	(Q)
$	39 Dibromofluoromethane (Surr)	113	6.560	6.556	(0.898)	100201	51.2702	51.27
$	43 1,2-Dichloroethane-d4	65	6.931	6.927	(0.948)	135022	61.9913	61.99
$	59 Toluene-d8	98	8.963	8.959	(0.861)	441665	41.6686	41.67
$	80 Bromofluorobenzene (Surr)	95	11.573	11.569	(1.112)	155840	46.0349	46.03
	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-trifloro	101	Compound Not Detected.					
	12 1,1-Dichloroethene	96	Compound Not Detected.					
	13 Acetone	43	3.512	3.509	(0.481)	15658	24.7049	24.70(M)
	15 Carbon Disulfide	76	3.689	3.673	(0.505)	5652	0.93631	0.9363
	18 Methylene Chloride	84	4.176	4.166	(0.571)	8876	0.78094	0.7809
	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	5.964	5.966	(0.816)	2850	0.98711	0.9871
M	29 1,2-Dichloroethene (total)	96				2850	0.98711	0.9871
	31 2-Butanone	43	Compound Not Detected.					
	37 Chloroform	83	Compound Not Detected.					
	38 1,1,1-Trichloroethane	97	Compound Not Detected.					
	41 Carbon Tetrachloride	117	Compound Not Detected.					
	42 Benzene	78	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ng)
	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.					
	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\T6092912d.b\6092933.D
Lab Smp Id: 180-14654-G-6 Client Smp ID: MW-103
Inj Date : 30-SEP-2012 00:24
Operator : 403808 Inst ID: hp6.i
Smp Info : 180-14654-G-6
Misc Info : 180-14654-G-6
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6092912d.b\T8260bllw.m
Meth Date : 01-Oct-2012 08:25 fergusond Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-tic.sub
Target Version: 4.14
Processing Host: PITPC-002

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

ISTD	RT	AREA	AMOUNT
* 69 Chlorobenzene-d5	10.406	1136544	50.000
* 92 1,4-Dichlorobenzene-d4	12.729	1078394	50.000

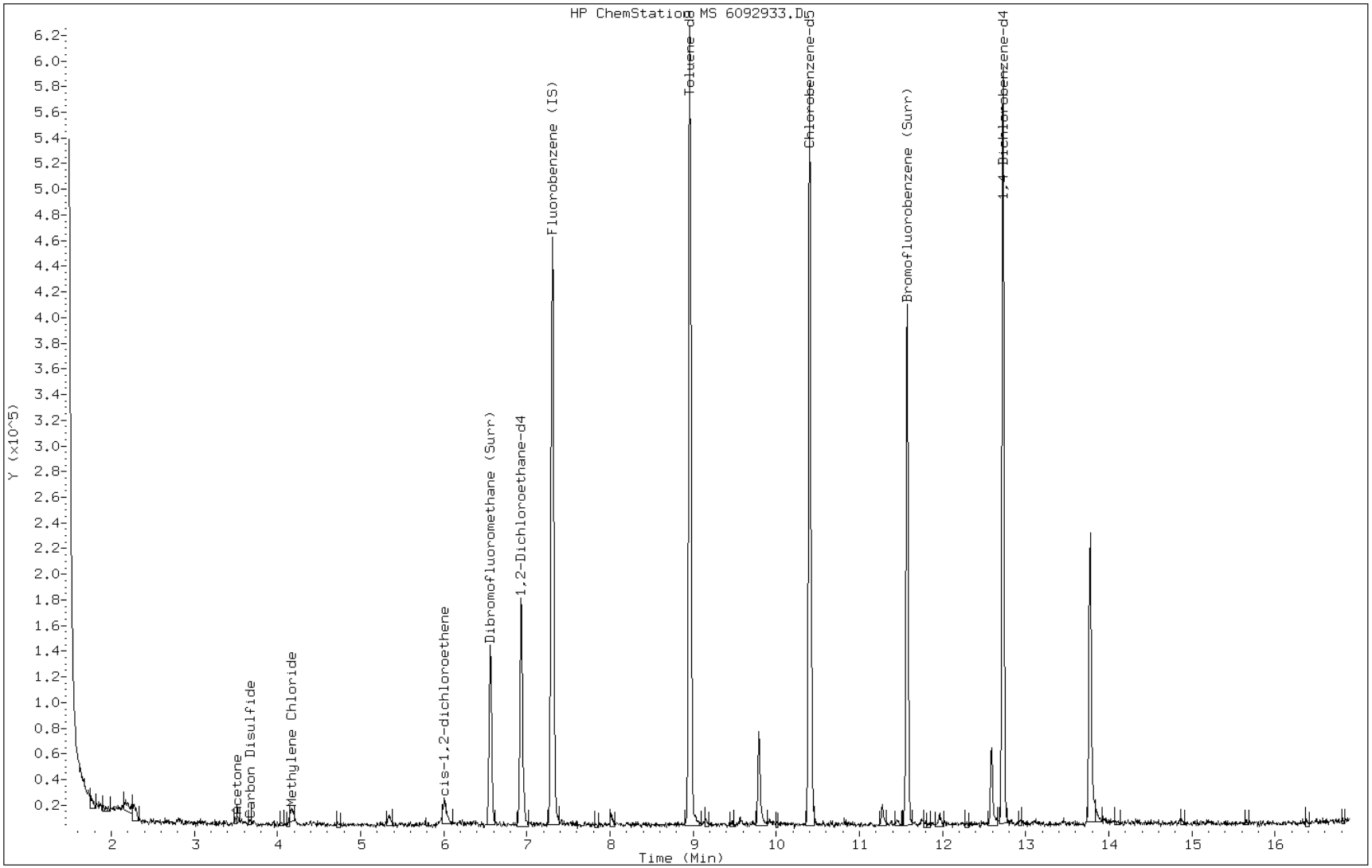
	CONCENTRATIONS				QUANT		
RT	AREA	ON-COL(ng)	FINAL(ng)	QUAL	LIBRARY	LIB ENTRY	CPND #
Hexanal				CAS #: 66-25-1			
9.791	160359	7.05468590	7.055	72	Nist98.l	10785	69
Octanal				CAS #: 124-13-0			
12.589	134928	6.25597602	6.256	80	Nist98.l	1774	92
Nonanal				CAS #: 124-19-6			
13.776	443167	20.5475532	20.55	50	Nist98.l	17476	92

Data File: 6092933.D

Date: 30-SEP-2012 00:24

Client ID: MW-103 Instrument: hp6.i

Sample Info: 180-14654-G-6 Operator: 403808



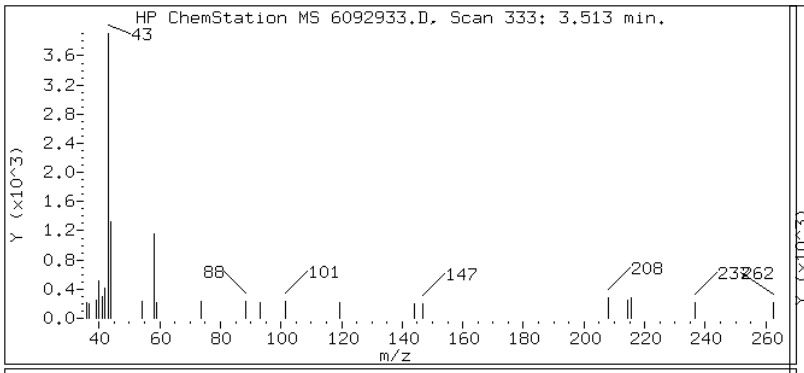
Data File: 6092933.D

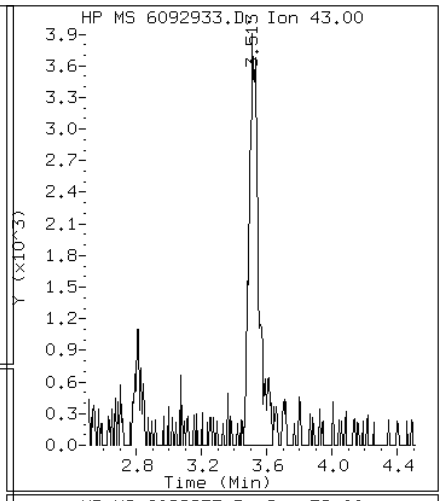
Date: 30-SEP-2012 00:24

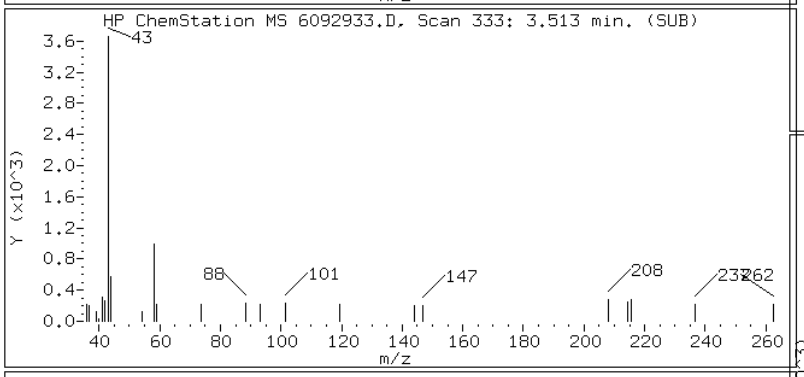
Client ID: MW-103 Instrument: hp6.i

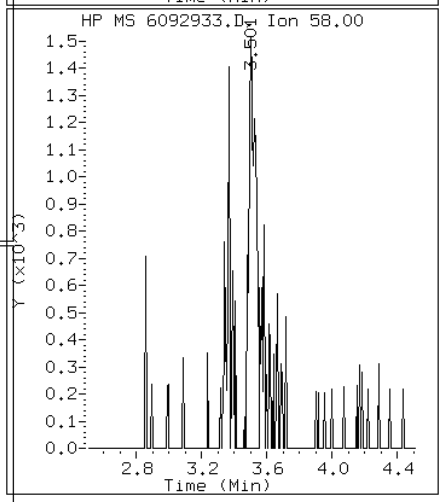
Sample Info: 180-14654-G-6 Operator: 403808

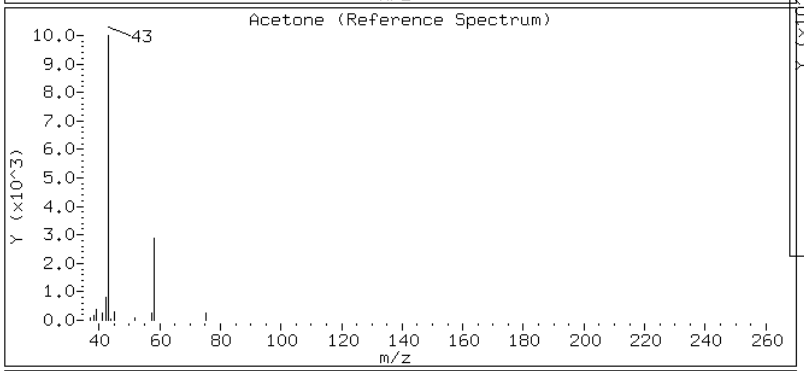
13 Acetone

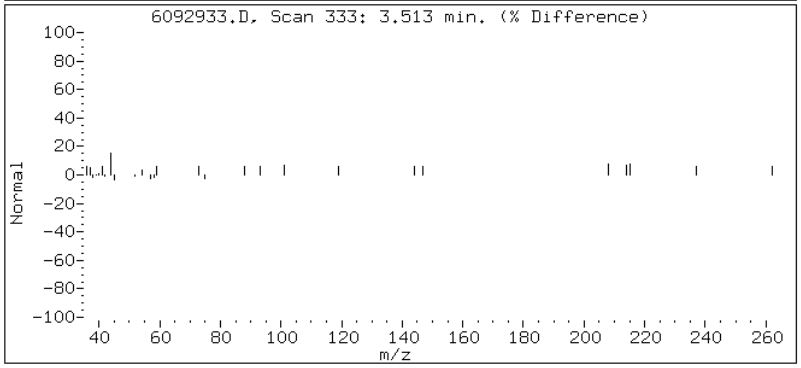












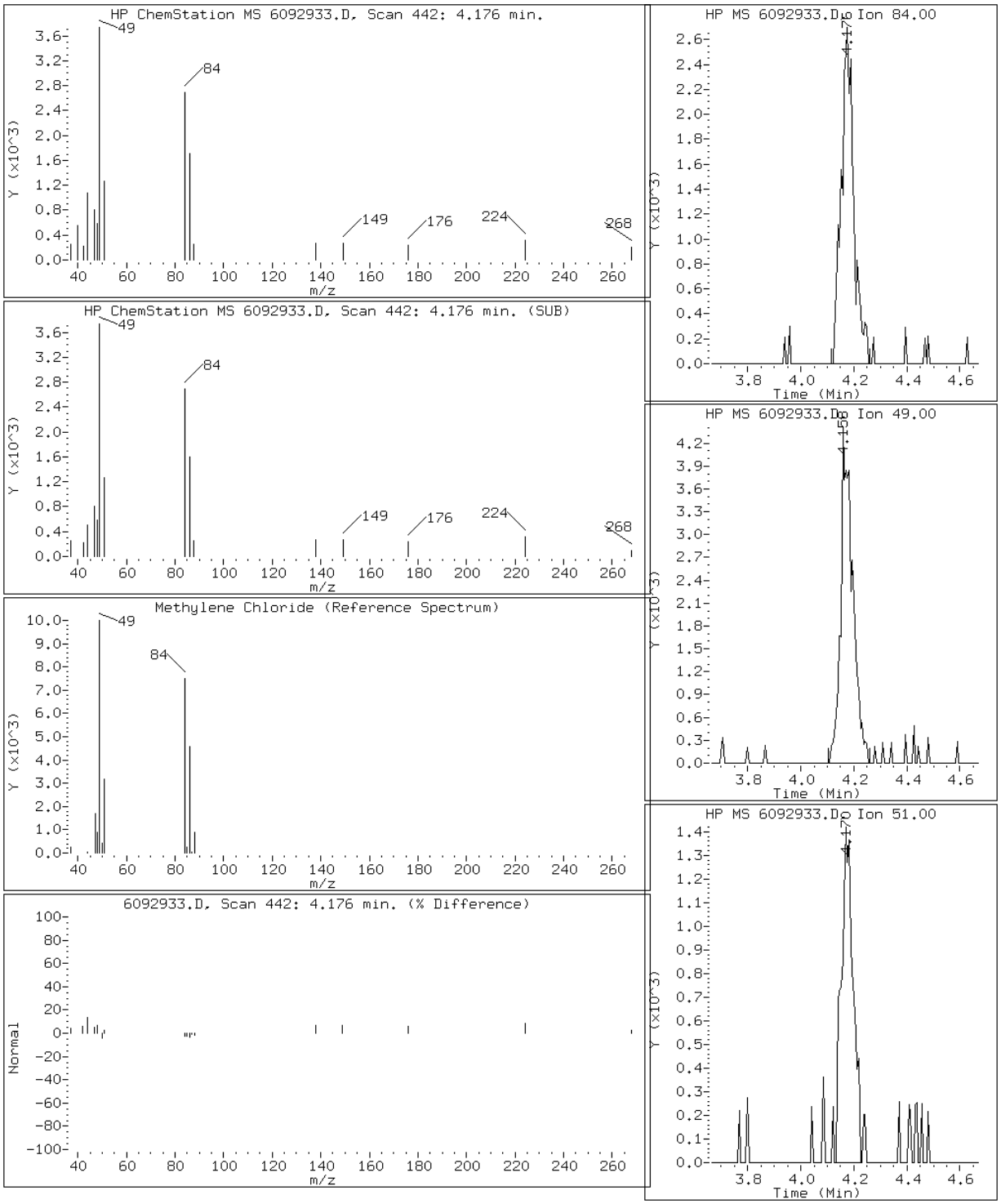
Data File: 6092933.D

Date: 30-SEP-2012 00:24

Client ID: MW-103 Instrument: hp6.i

Sample Info: 180-14654-G-6 Operator: 403808

18 Methylene Chloride



Manual Integration Report

Data File: 6092933.D
Inj. Date and Time: 30-SEP-2012 00:24
Instrument ID: hp6.i
Client ID: MW-103
Compound: 13 Acetone
CAS #: 67-64-1
Report Date: 10/01/2012

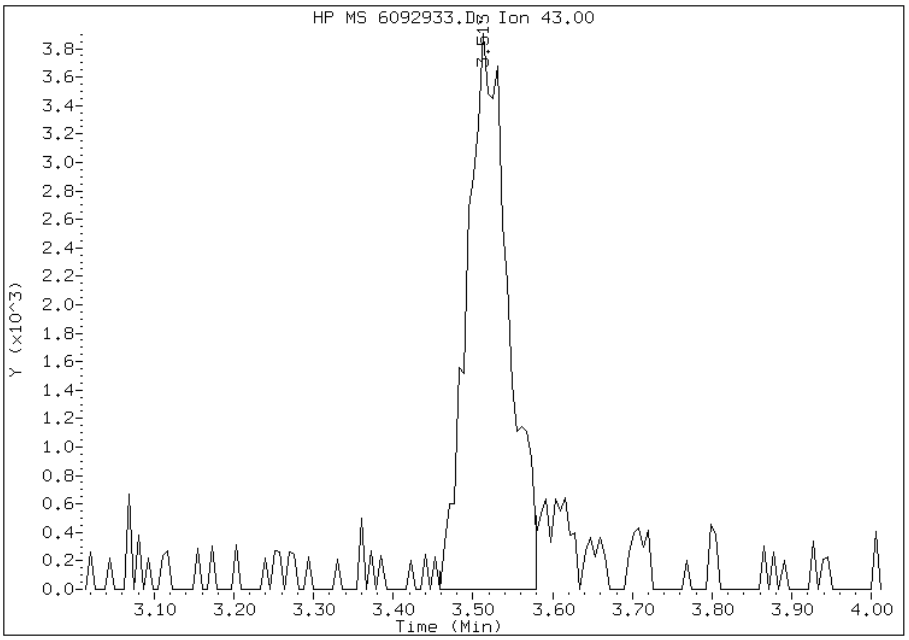
Processing Integration Results

RT: 3.51

Response: 14159

Amount: 22

Conc: 22



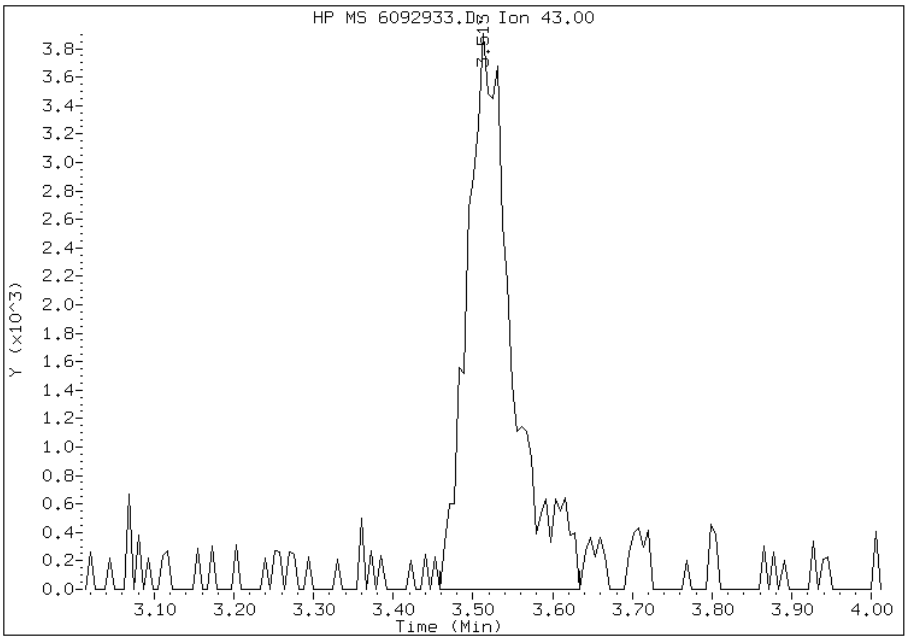
Manual Integration Results

RT: 3.51

Response: 15658

Amount: 25

Conc: 25



Manually Integrated By: fergusond
Modification Date: 01-Oct-2012 10:27
Manual Integration Reason:

Data File: 6092933.D

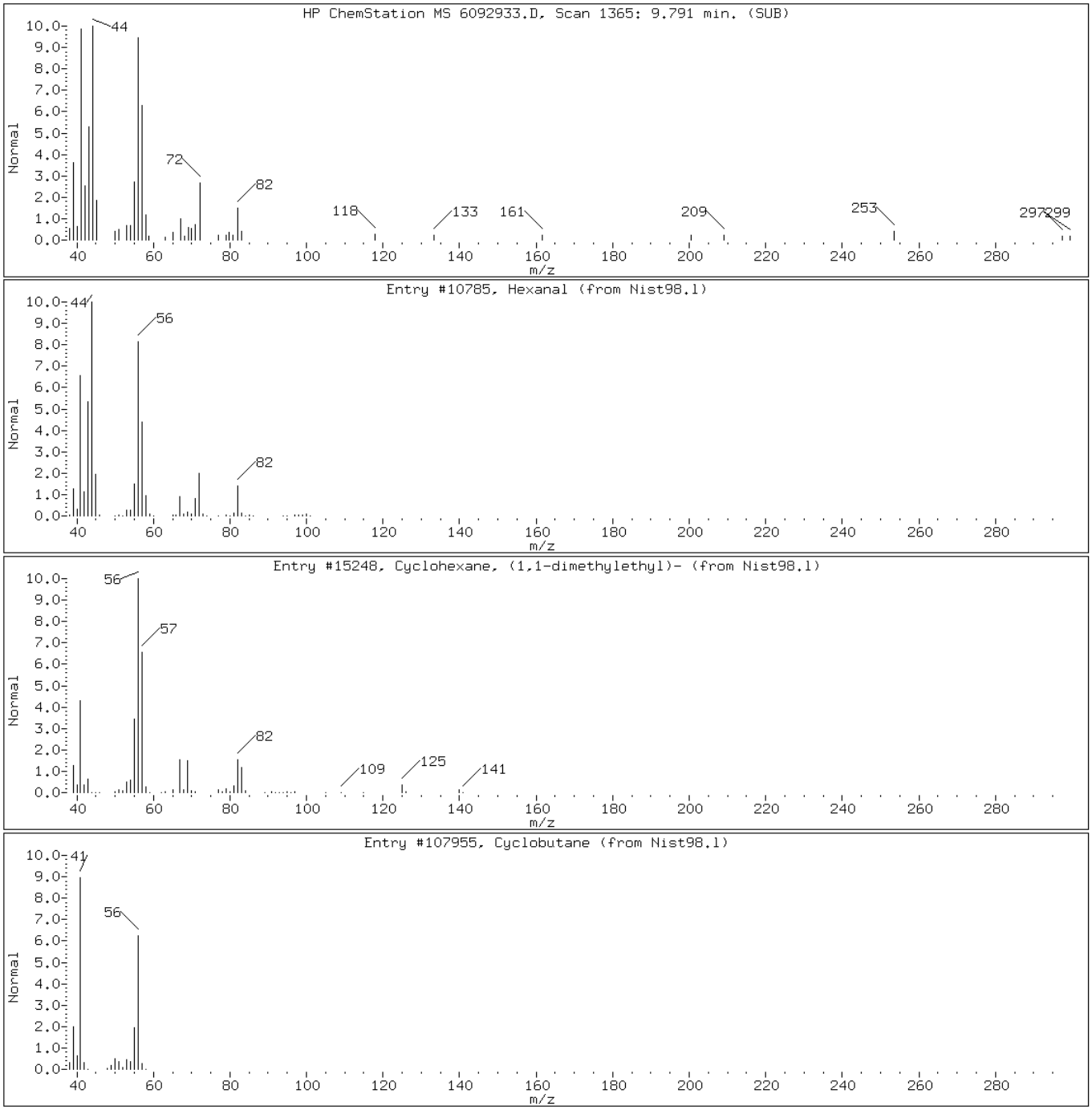
Date: 30-SEP-2012 00:24

Client ID: MW-103 Instrument: hp6.i

Sample Info: 180-14654-G-6 Operator: 403808

Retention Time: 9.79

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Hexanal	66-25-1	Nist98.l	10785	72	C6H12O	100
Cyclohexane, (1,1-dimethylethyl)-	3178-22-1	Nist98.l	15248	27	C10H20	140
Cyclobutane	287-23-0	Nist98.l	107955	22	C4H8	56



Data File: 6092933.D

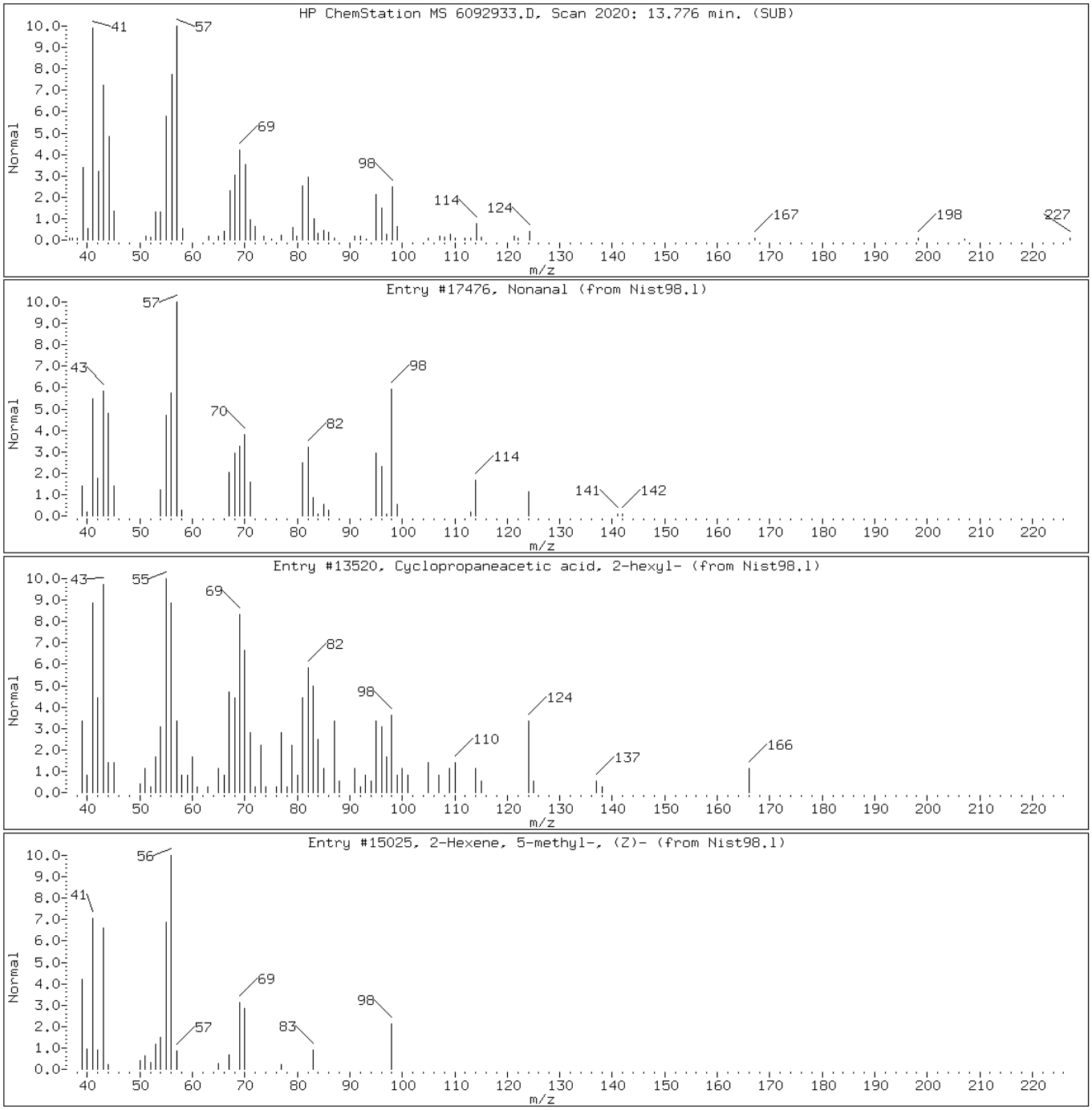
Date: 30-SEP-2012 00:24

Client ID: MW-103 Instrument: hp6.i

Sample Info: 180-14654-G-6 Operator: 403808

Retention Time: 13.78

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Nonanal	124-19-6	Nist98.l	17476	50	C9H18O	142
Cyclopropaneacetic acid, 2-hexyl-	35936-15-3	Nist98.l	13520	50	C11H20O2	184
2-Hexene, 5-methyl-, (Z)-	13151-17-2	Nist98.l	15025	43	C7H14	98



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1 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.: 180-14654-1 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.: 180-14654-1 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.: 180-14654-1 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.: 180-14654-1 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.: 180-14654-1 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.: 180-14654-1 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.: 180-14654-1 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.: 180-14654-1 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.: 180-14654-1 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

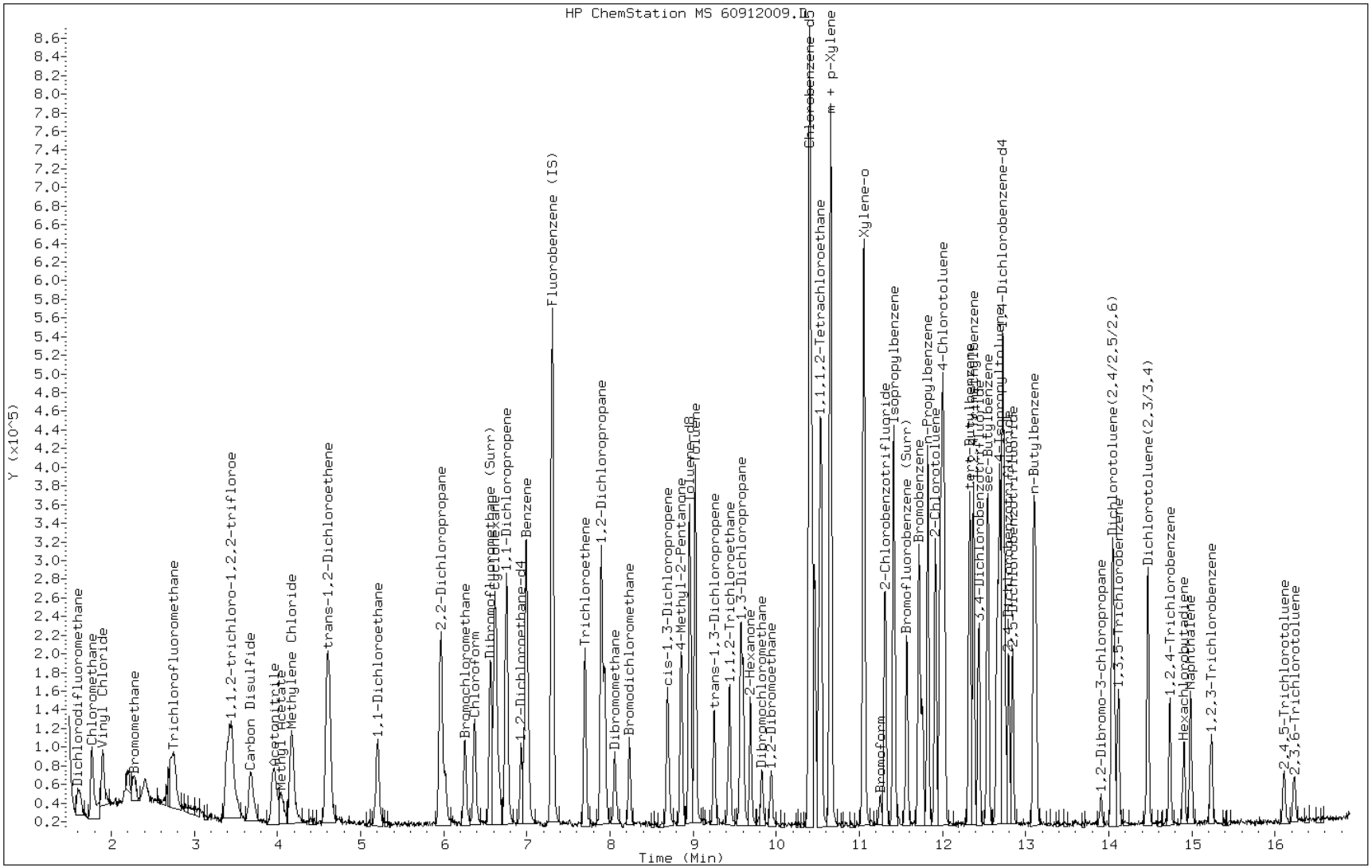
Q - Qualifier signal failed the ratio test.

Data File: 60912009.D

Date: 12-SEP-2012 14:47

Client ID: IC 5 Instrument: hp6.i

Sample Info: IC, 5 Operator: 001562



TestAmerica Pittsburgh

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
Operator : 001562 Inst ID: hp6.i
Smp Info : ICIS, 10
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 : 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

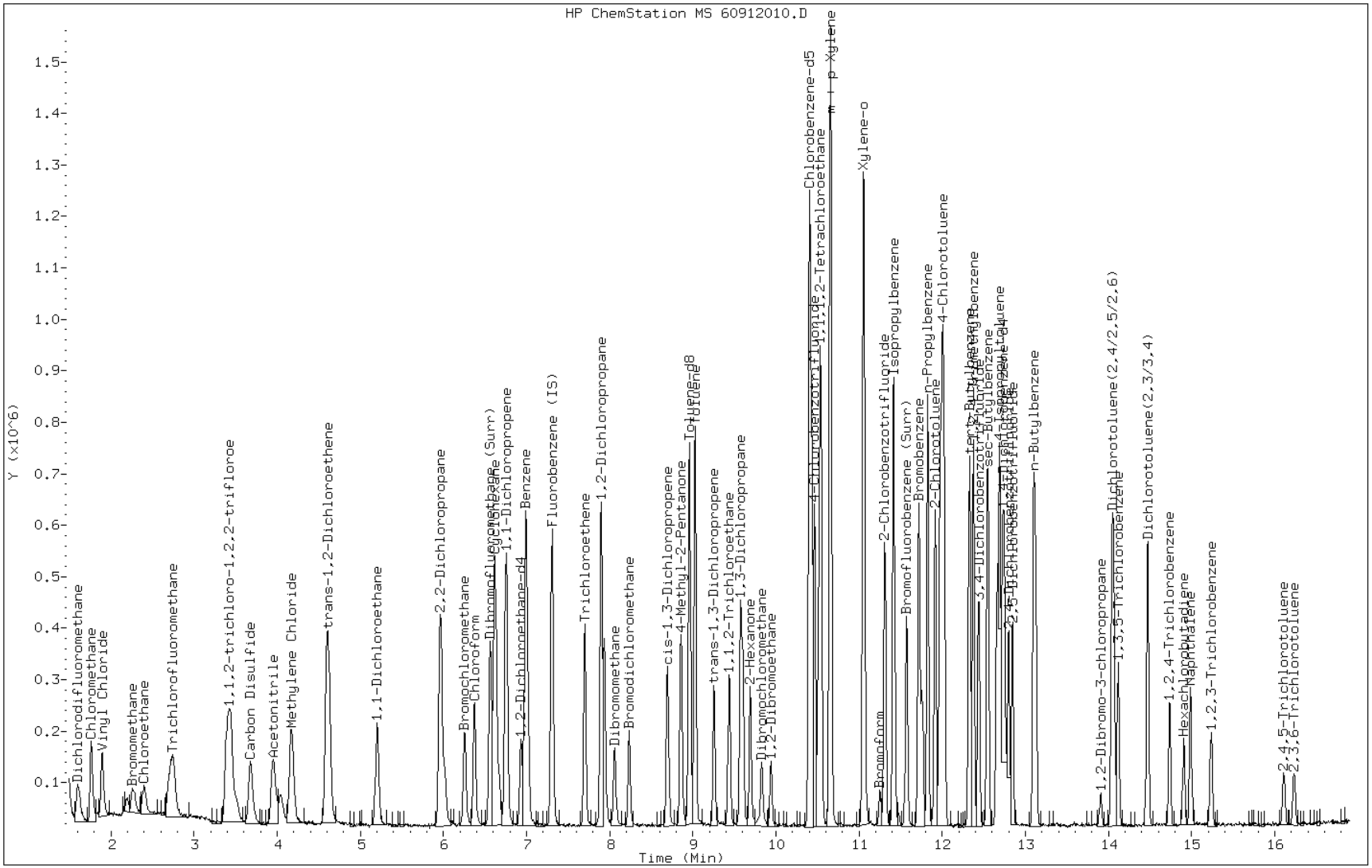
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
170 2-Chlorobenzotrifluoride	180	11.315	11.315	(1.088)	213277	50.0000	52.13
171 3-Chlorotoluene	126	11.978	11.978	(0.941)	158350	50.0000	49.30
172 3,4-Dichlorobenzotrifluoride	214	12.440	12.440	(0.978)	125151	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



TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6091212d.b\60912011.D
Lab Smp Id: IC 15 Client Smp ID: IC 15
Inj Date : 12-SEP-2012 15:35
Operator : 001562 Inst ID: hp6.i
Smp Info : IC, 15
Misc Info : T6091212d.b,T8260bllw.m,1-dwh2o.sub
Comment :
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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

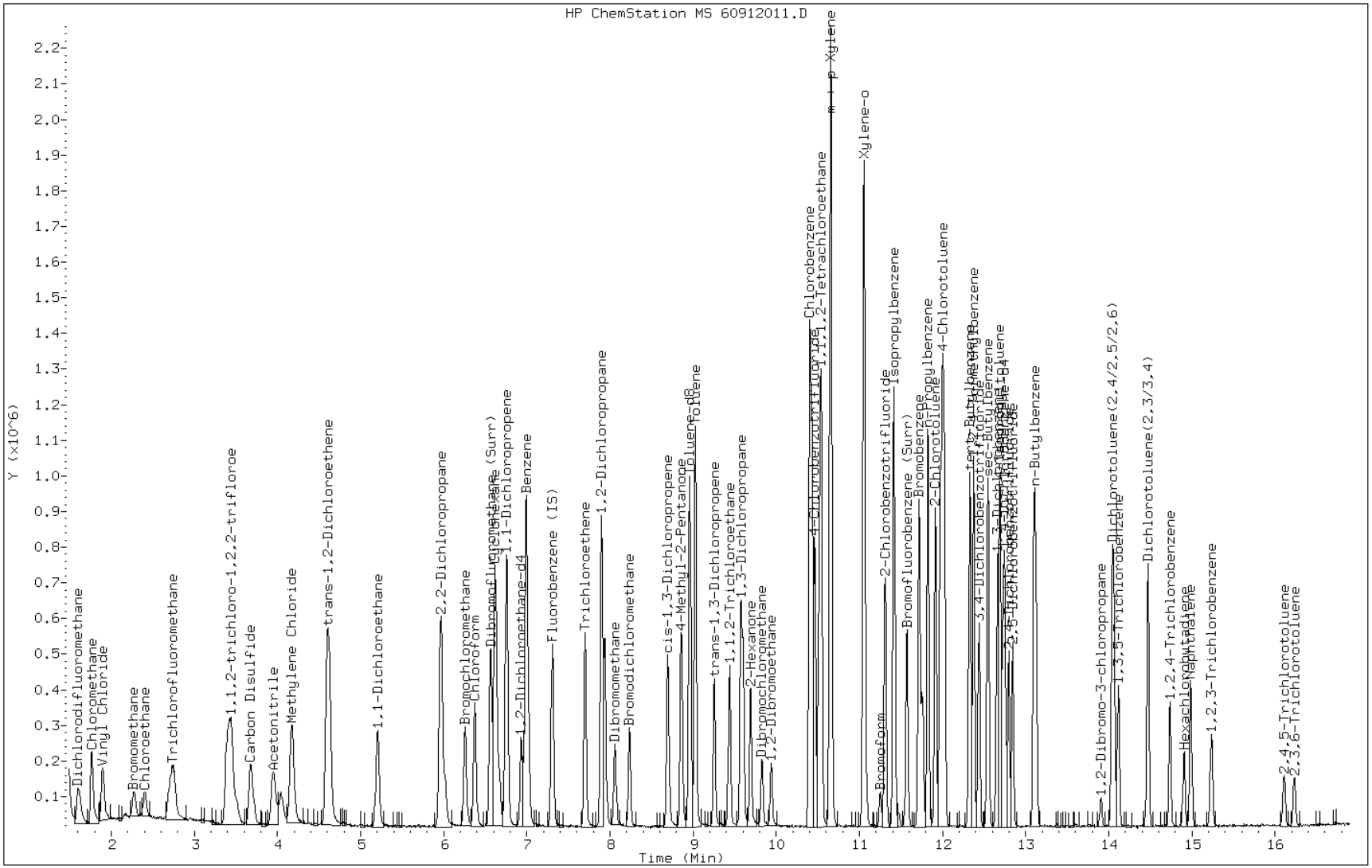
M - Compound response manually integrated.

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

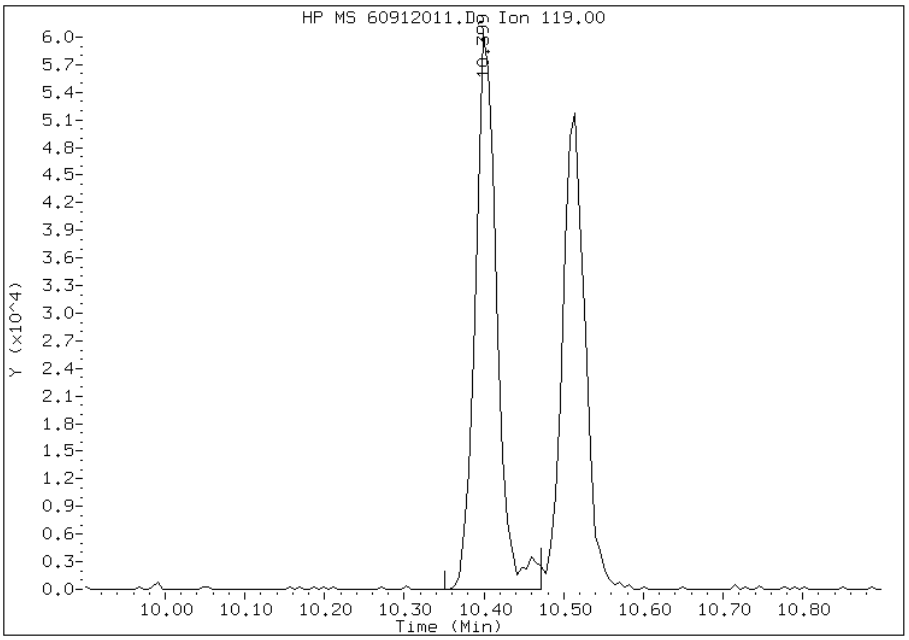
Processing Integration Results

RT: 10.40

Response: 117148

Amount: 50

Conc: 50



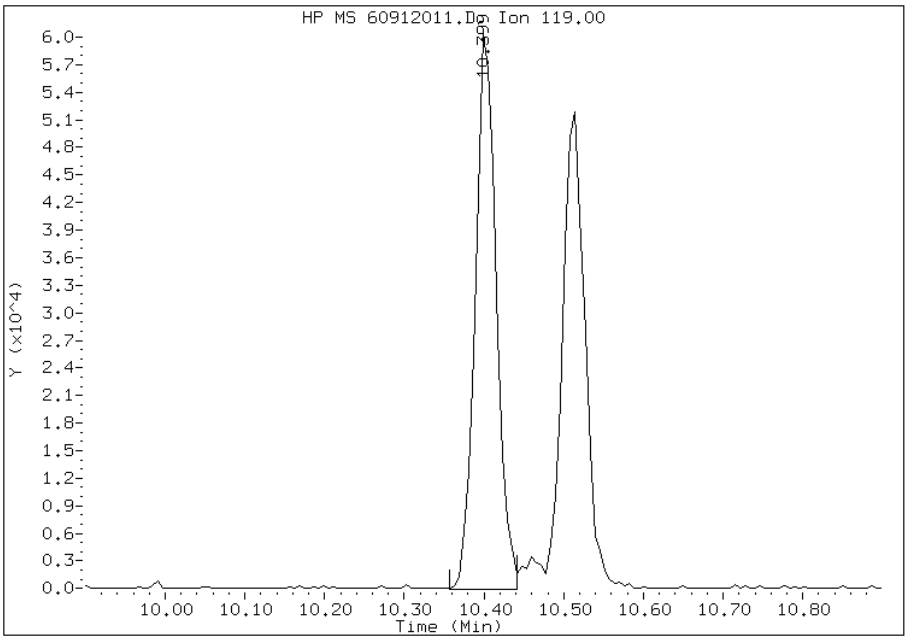
Manual Integration Results

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

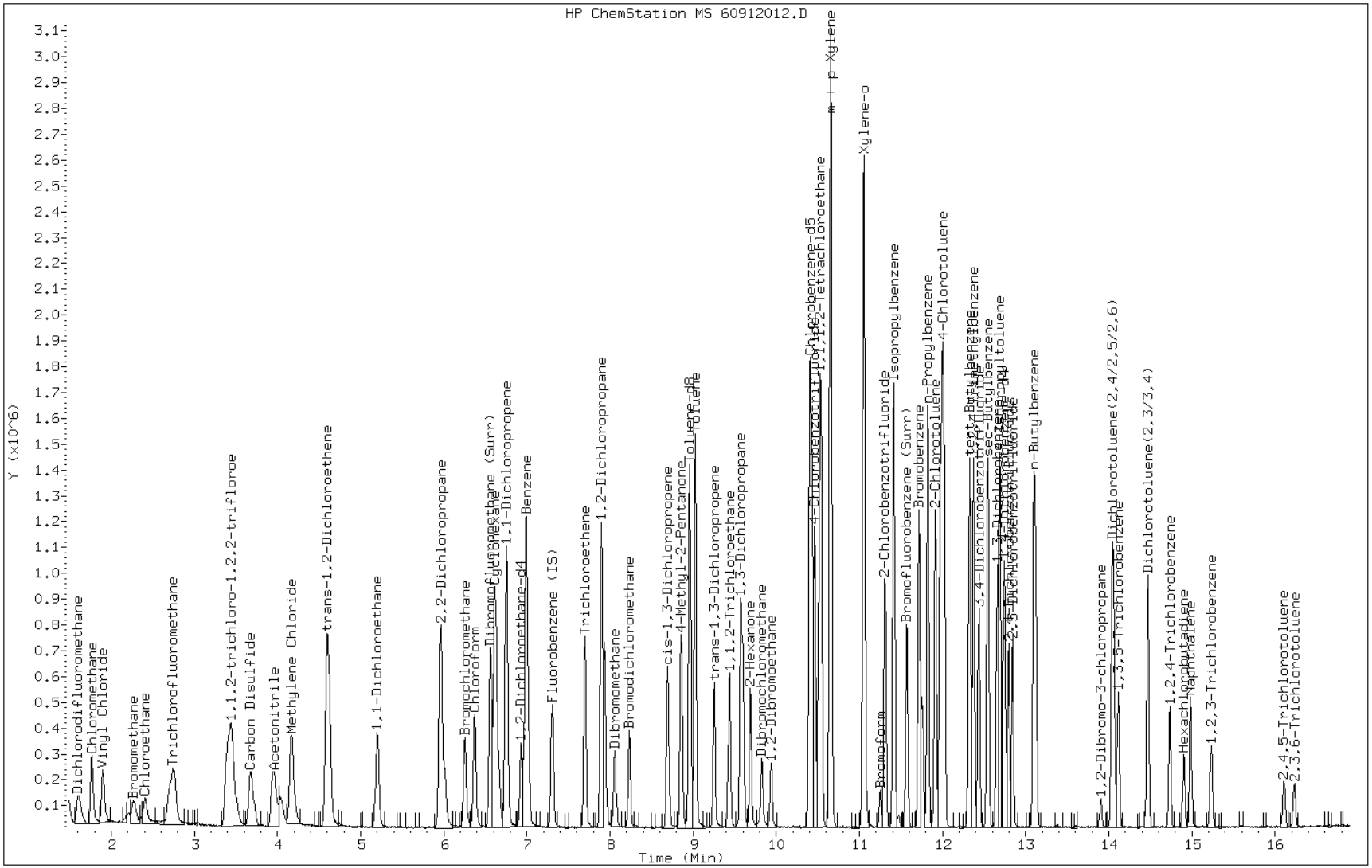
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
170 2-Chlorobenzotrifluoride	180	11.312	11.312	(1.088)	389911	100.000	105.7
171 3-Chlorotoluene	126	11.975	11.975	(0.941)	282814	100.000	104.1
172 3,4-Dichlorobenzotrifluoride	214	12.438	12.438	(0.978)	232792	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



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VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6091212d.b\60912013.D
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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
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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

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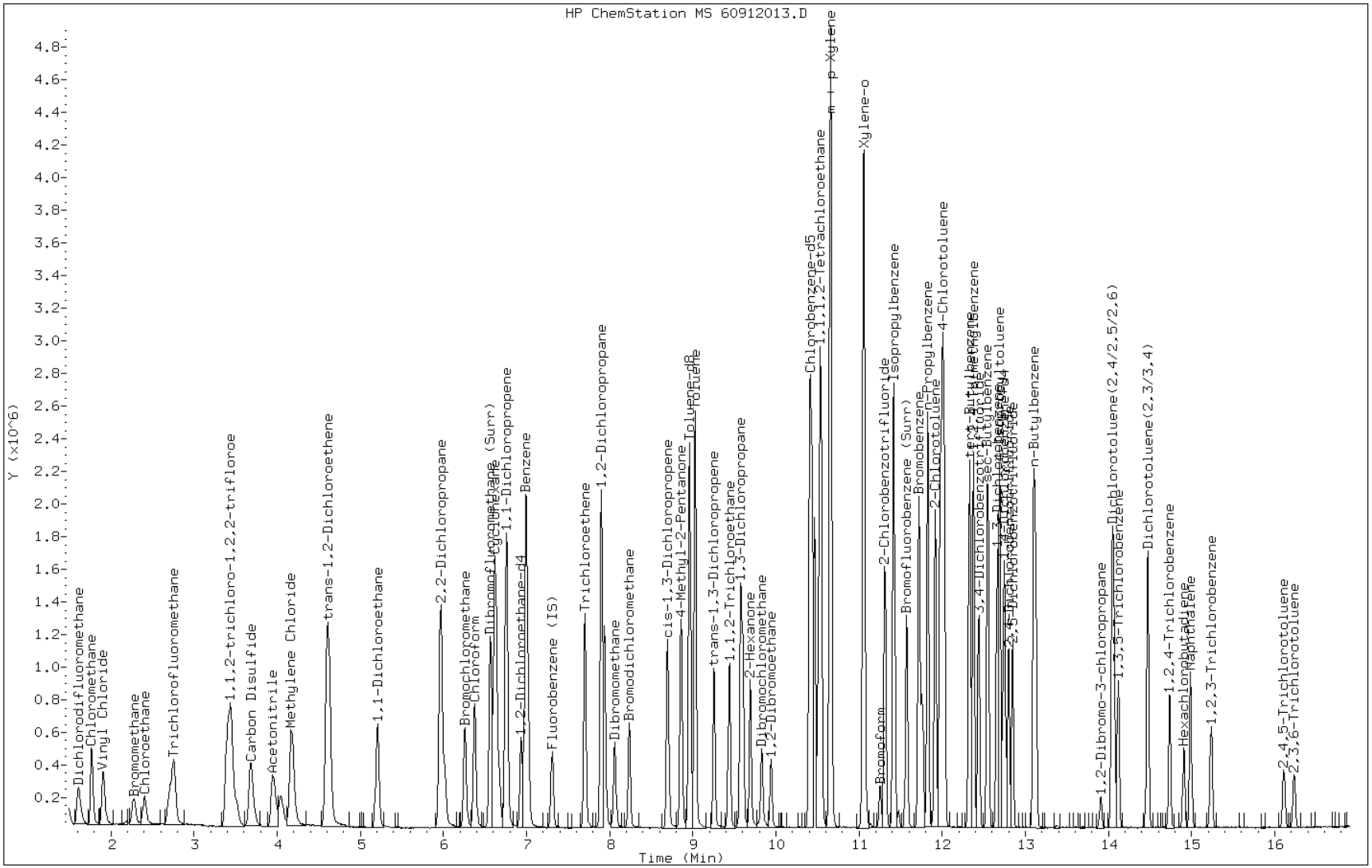
Sample Info: IC, 35 Operator: 403808



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VOLATILE REPORT SW-846 Method

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Smp Info : IC, 40
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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

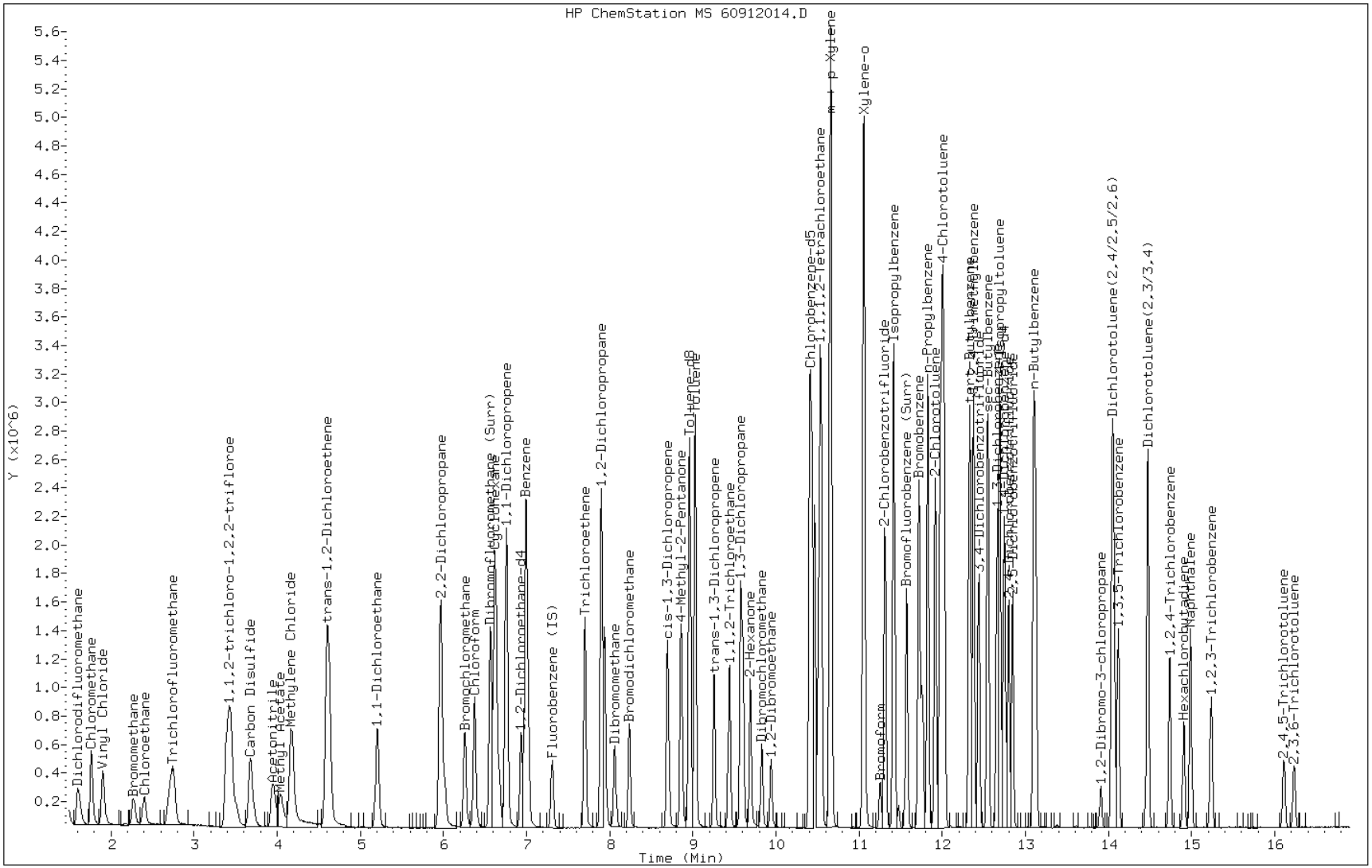
Q - Qualifier signal failed the ratio test.

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

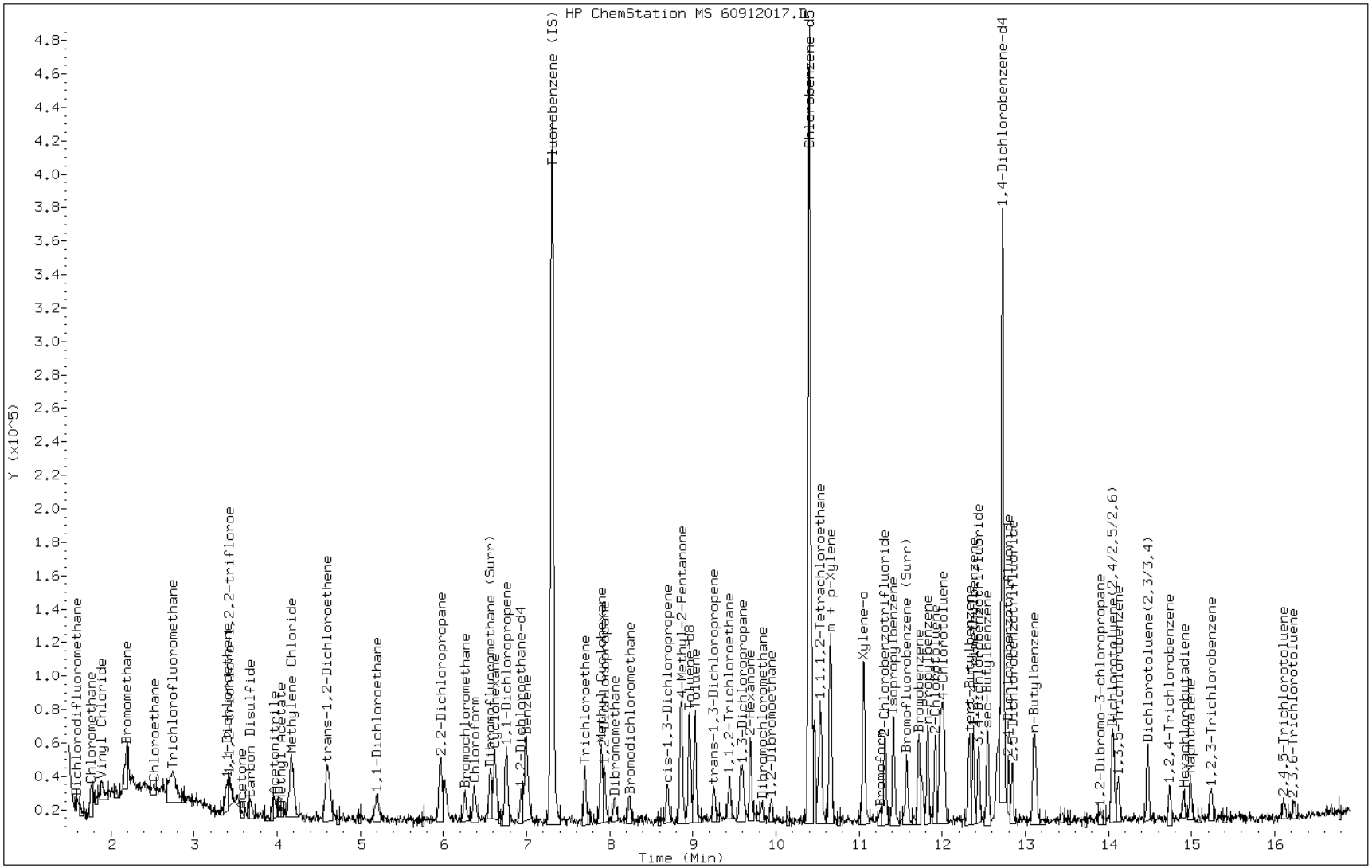
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

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

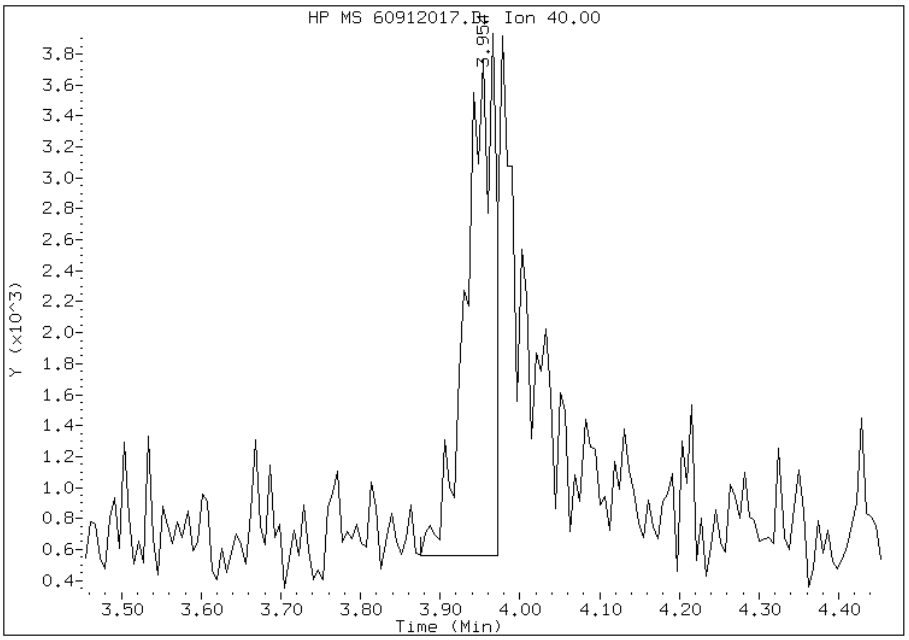
Processing Integration Results

RT: 3.95

Response: 8443

Amount: 68

Conc: 68



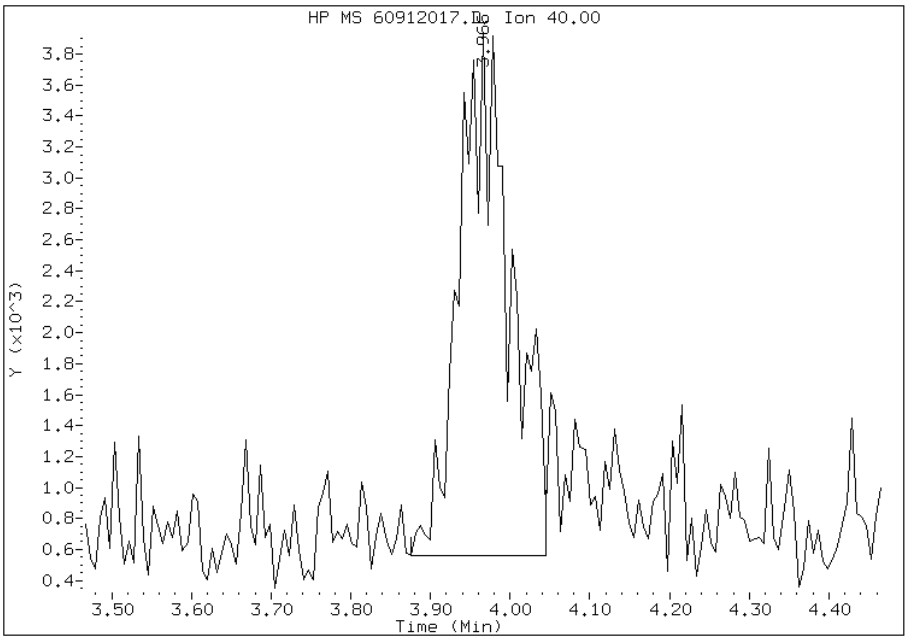
Manual Integration Results

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.: 180-14654-1 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.: 180-14654-1 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

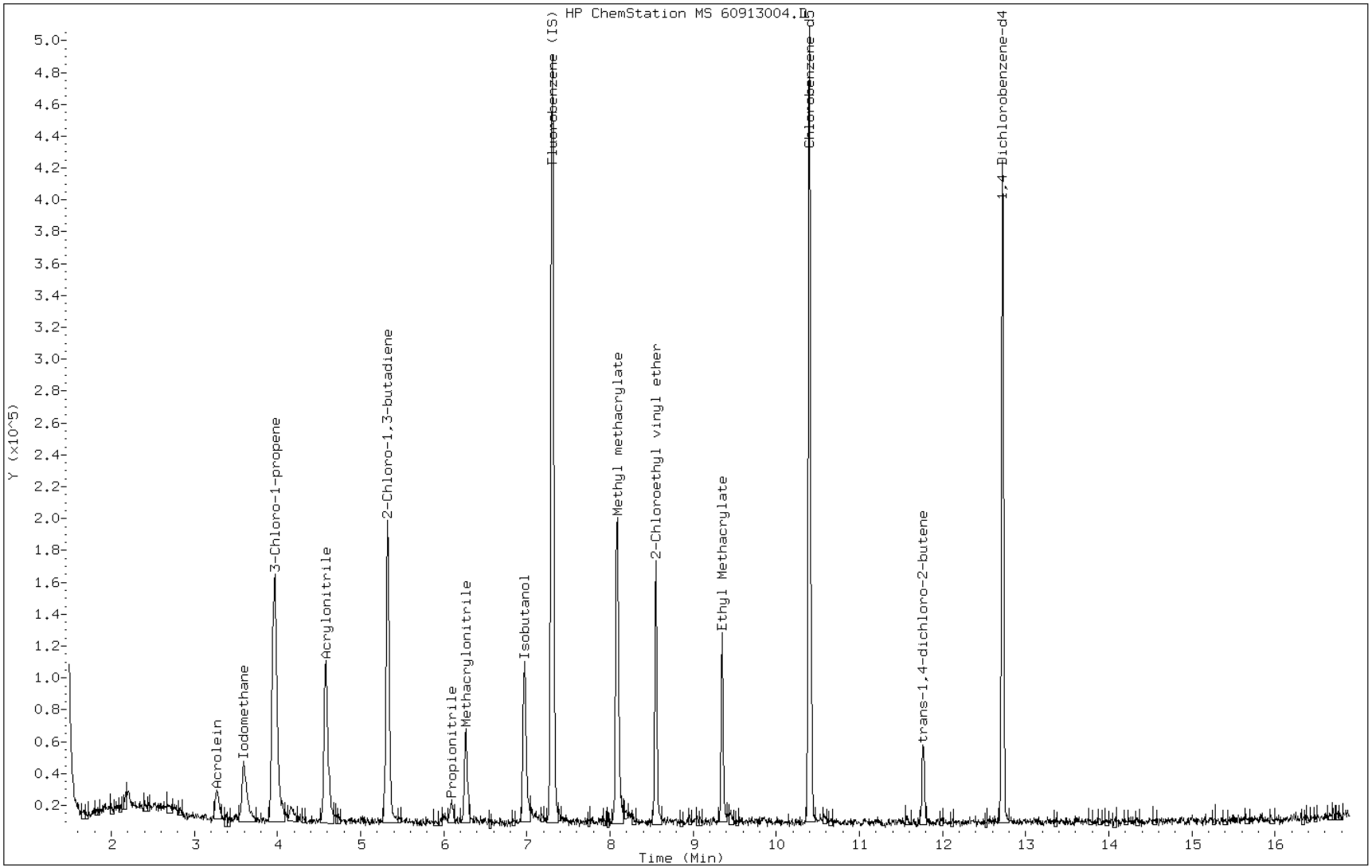
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

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

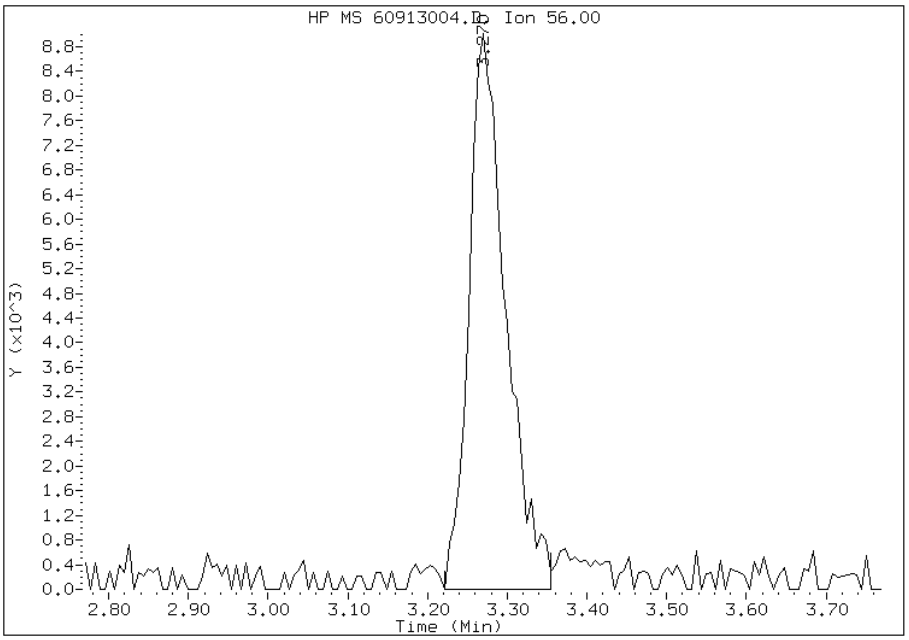
Processing Integration Results

RT: 3.27

Response: 29407

Amount: 147

Conc: 147



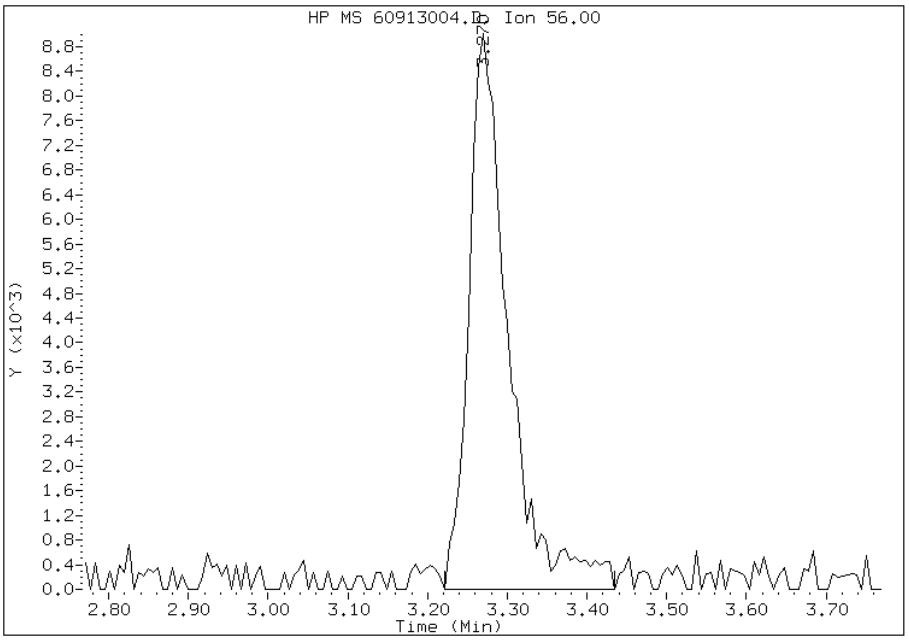
Manual Integration Results

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

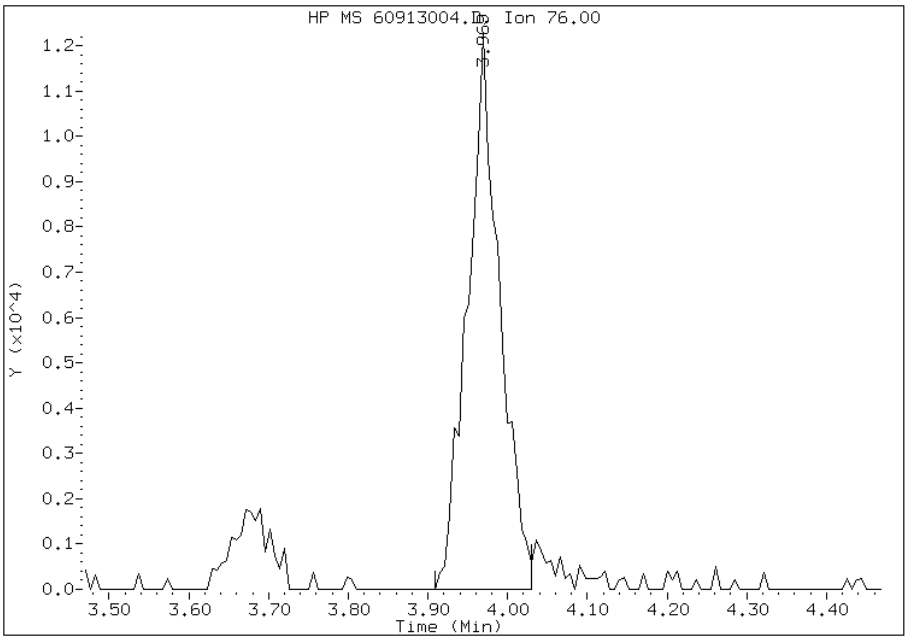
Processing Integration Results

RT: 3.97

Response: 34855

Amount: 23

Conc: 23



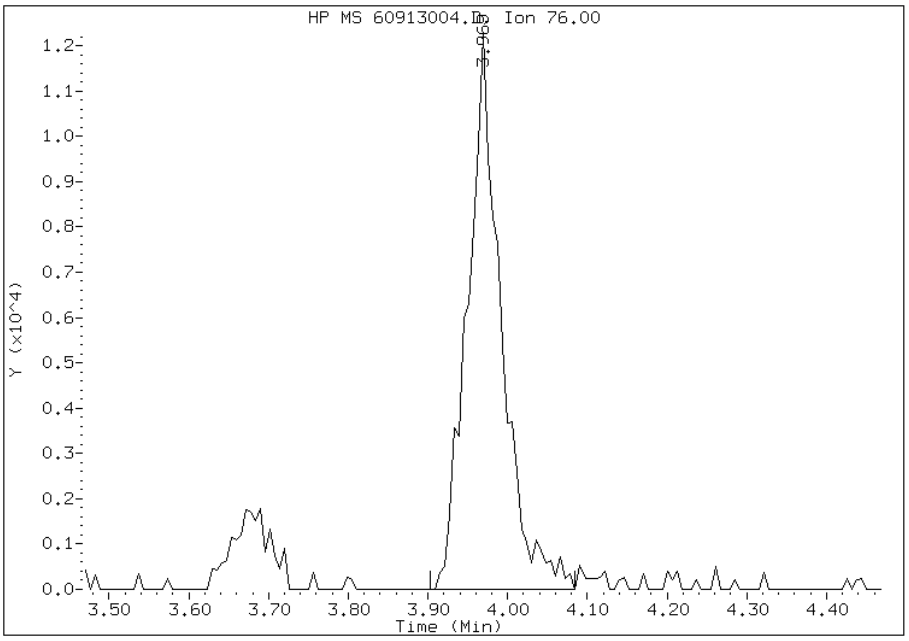
Manual Integration Results

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

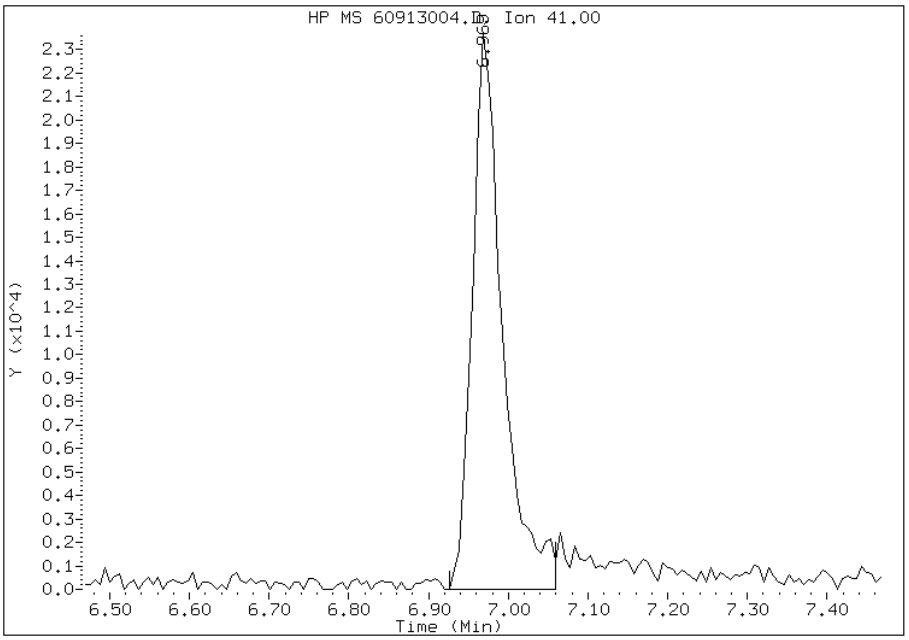
Processing Integration Results

RT: 6.97

Response: 63696

Amount: 841

Conc: 841



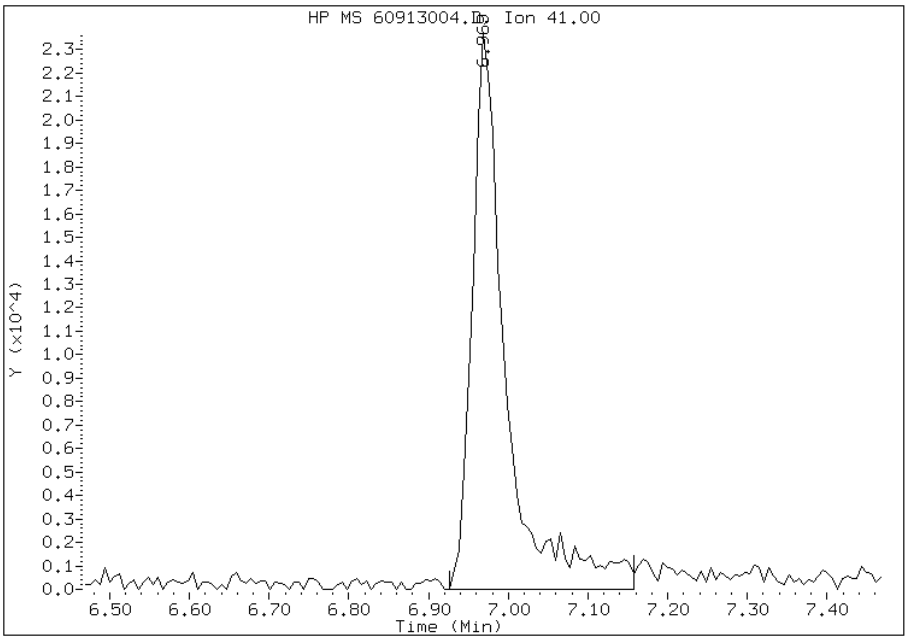
Manual Integration Results

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

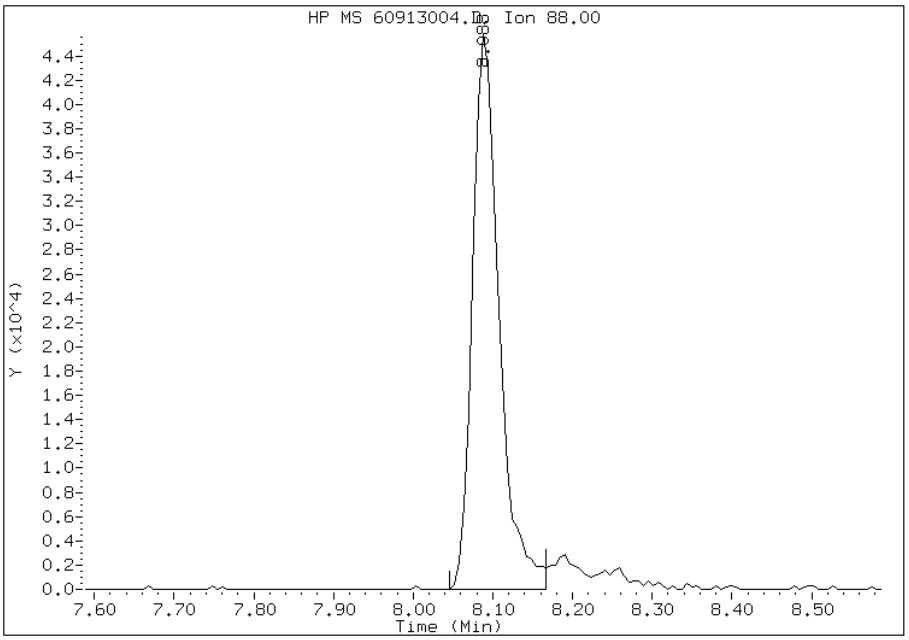
Processing Integration Results

RT: 8.09

Response: 107753

Amount: 4319

Conc: 4319



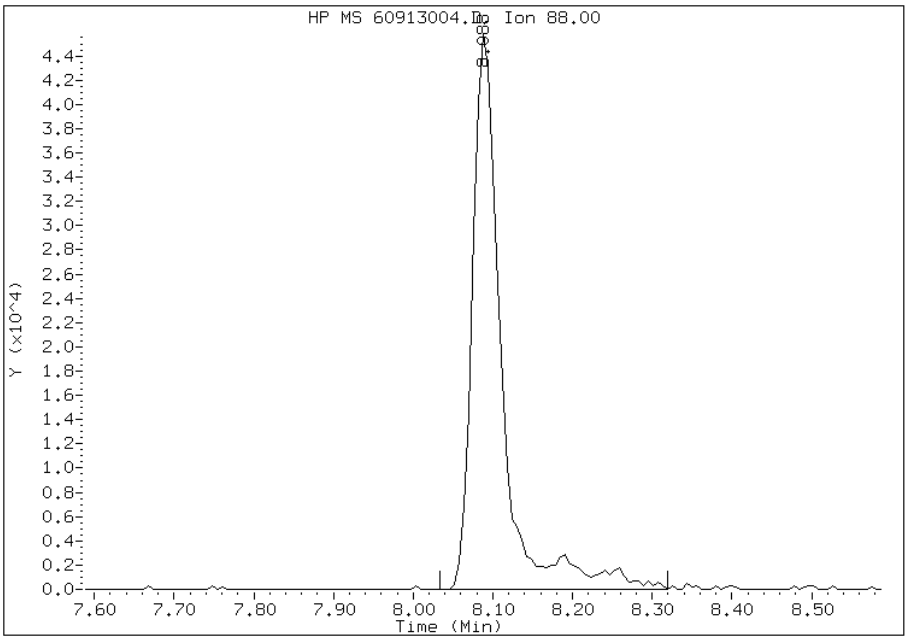
Manual Integration Results

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)	AMOUNTS 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

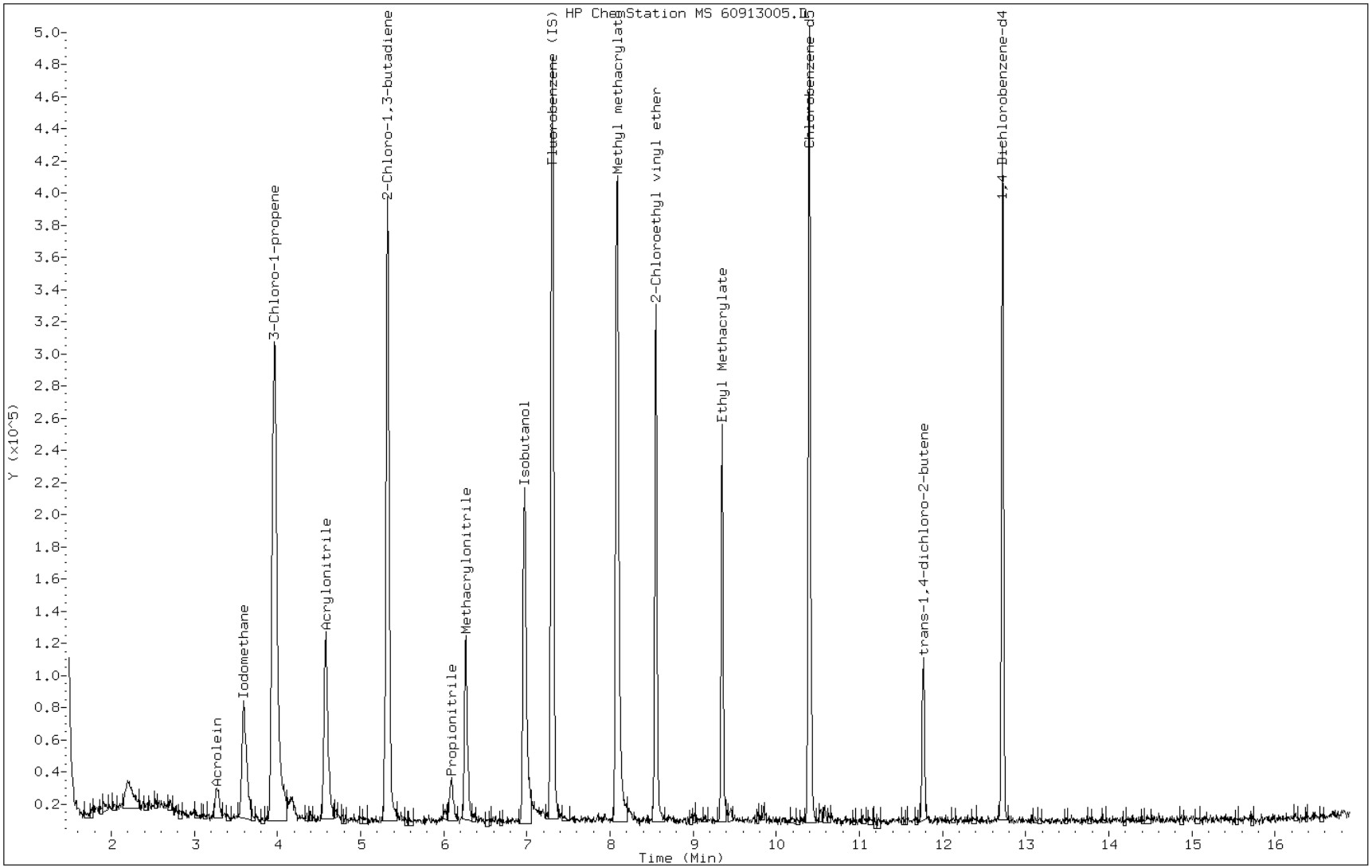
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

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

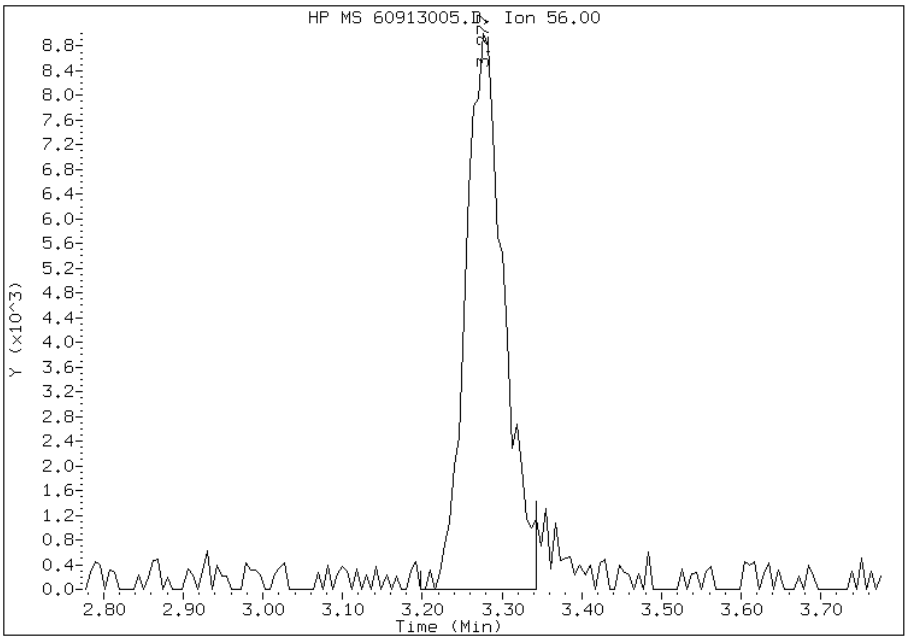
Processing Integration Results

RT: 3.28

Response: 30733

Amount: 155

Conc: 155



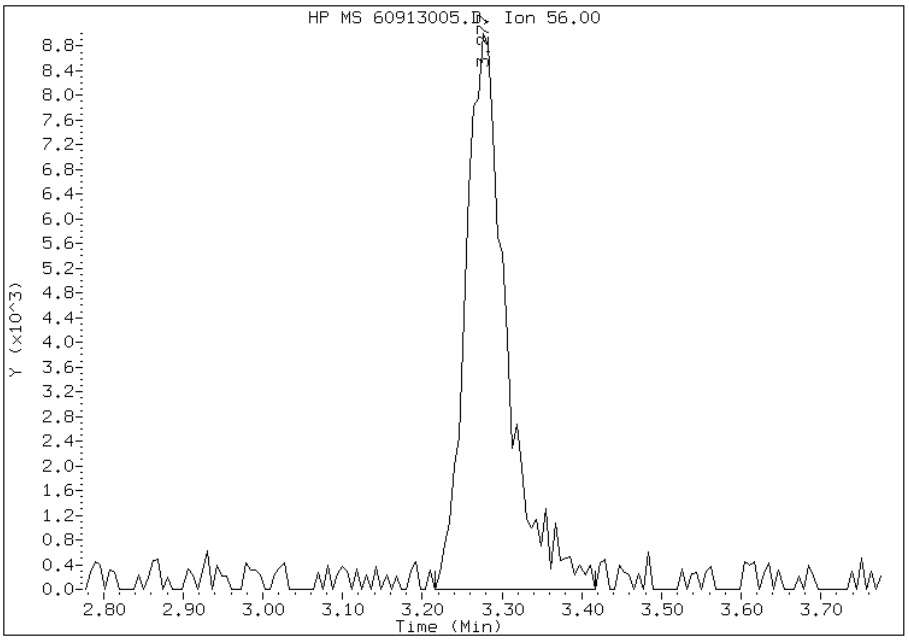
Manual Integration Results

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

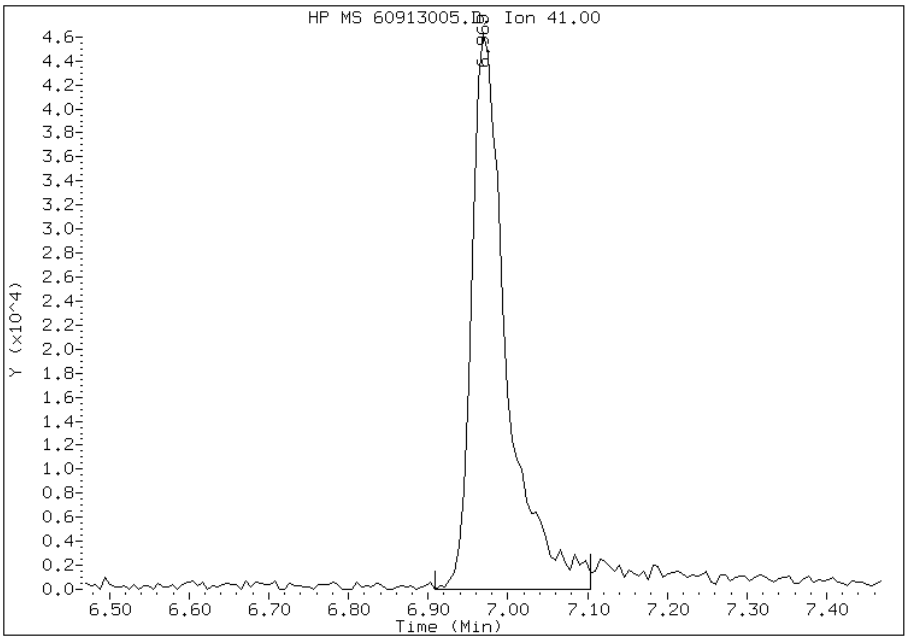
Processing Integration Results

RT: 6.97

Response: 143344

Amount: 1948

Conc: 1948



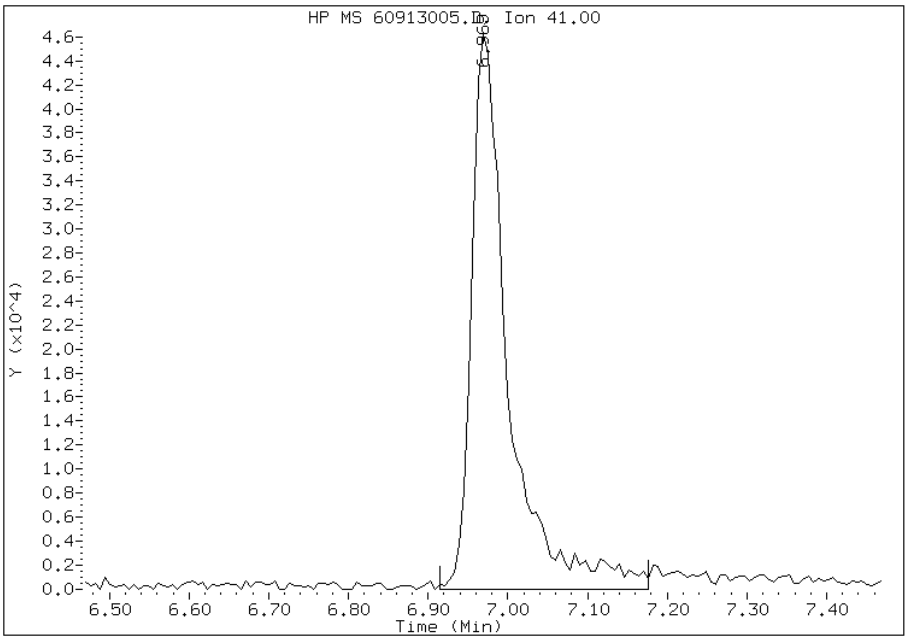
Manual Integration Results

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

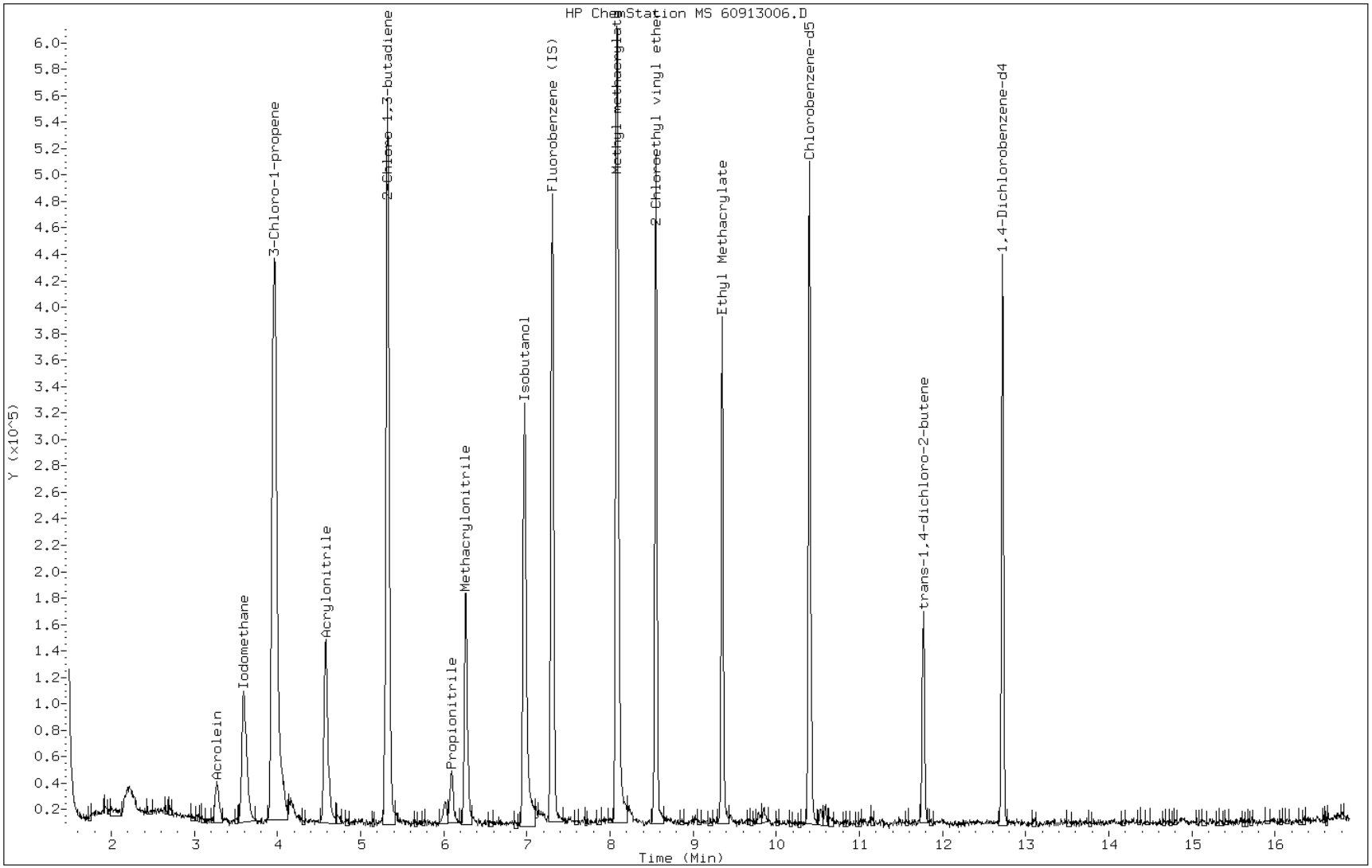
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

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

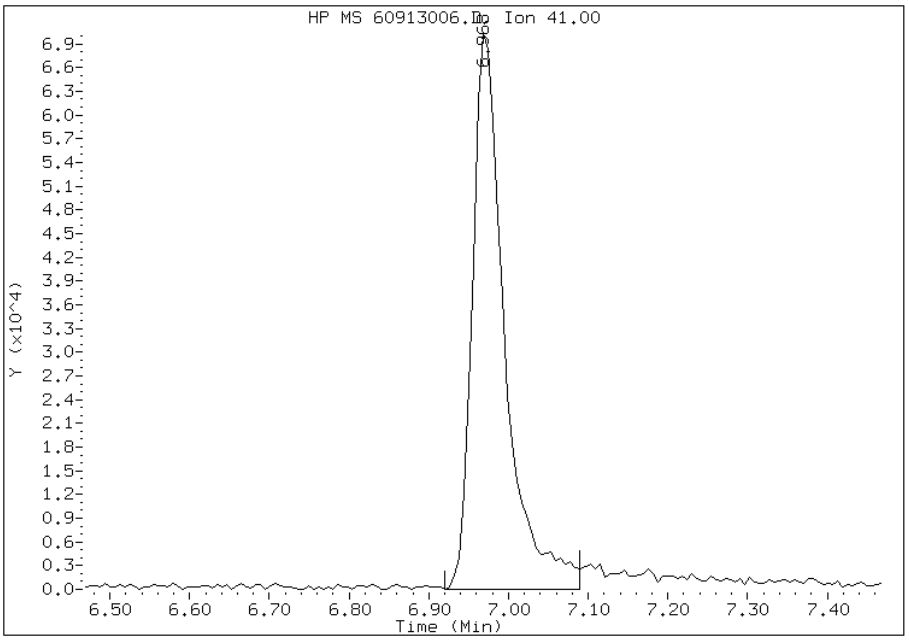
Processing Integration Results

RT: 6.97

Response: 201358

Amount: 2496

Conc: 2496



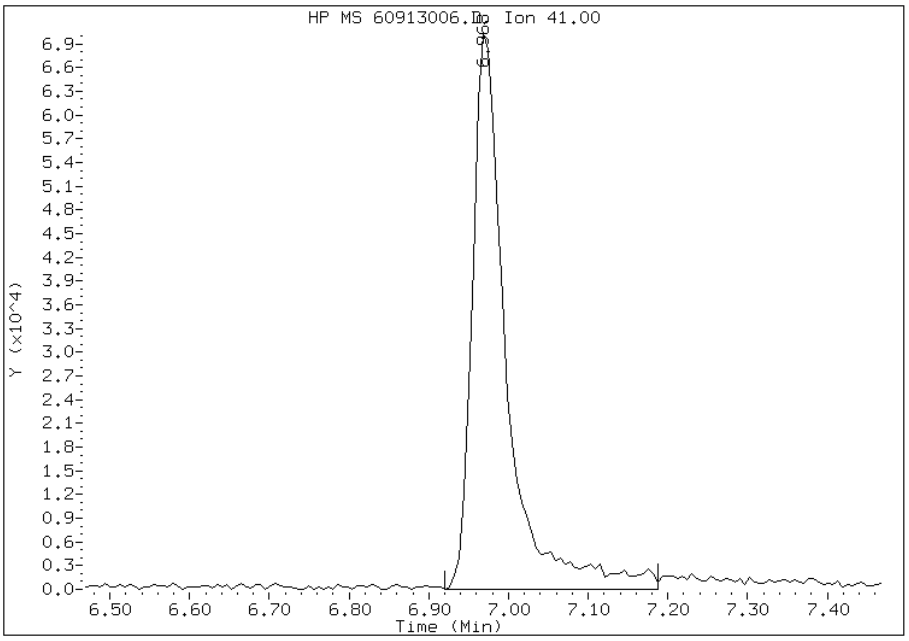
Manual Integration Results

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

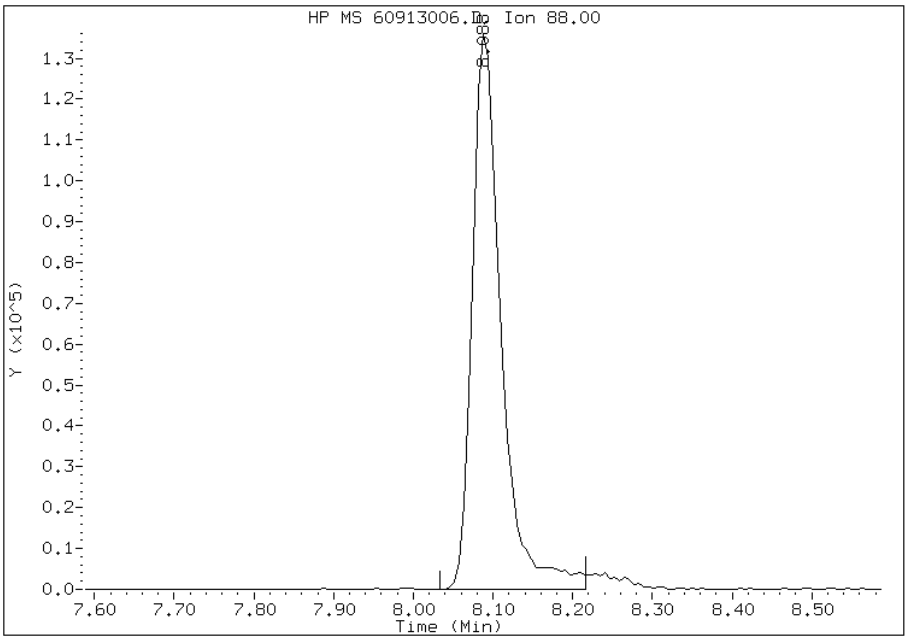
Processing Integration Results

RT: 8.09

Response: 346607

Amount: 13936

Conc: 13936



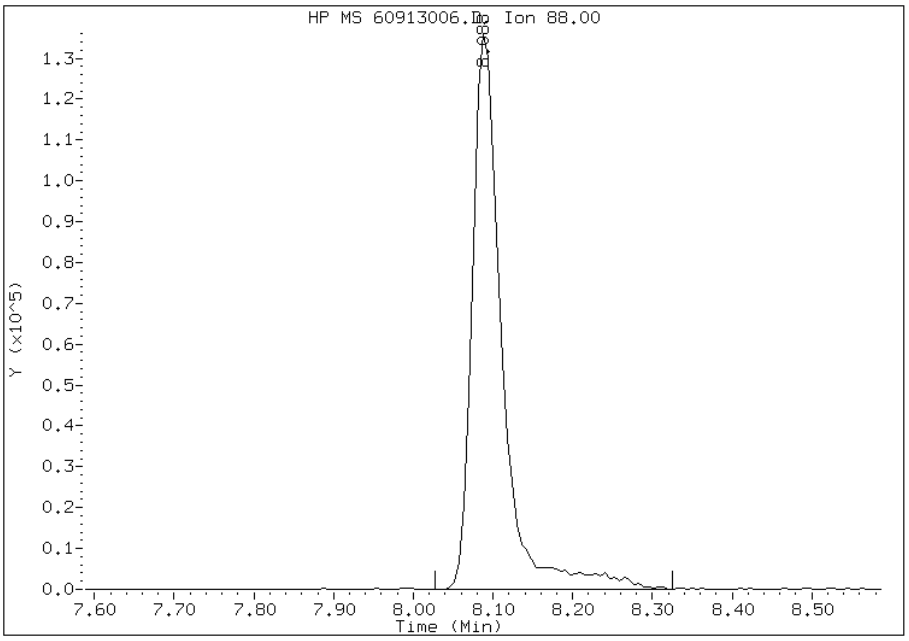
Manual Integration Results

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

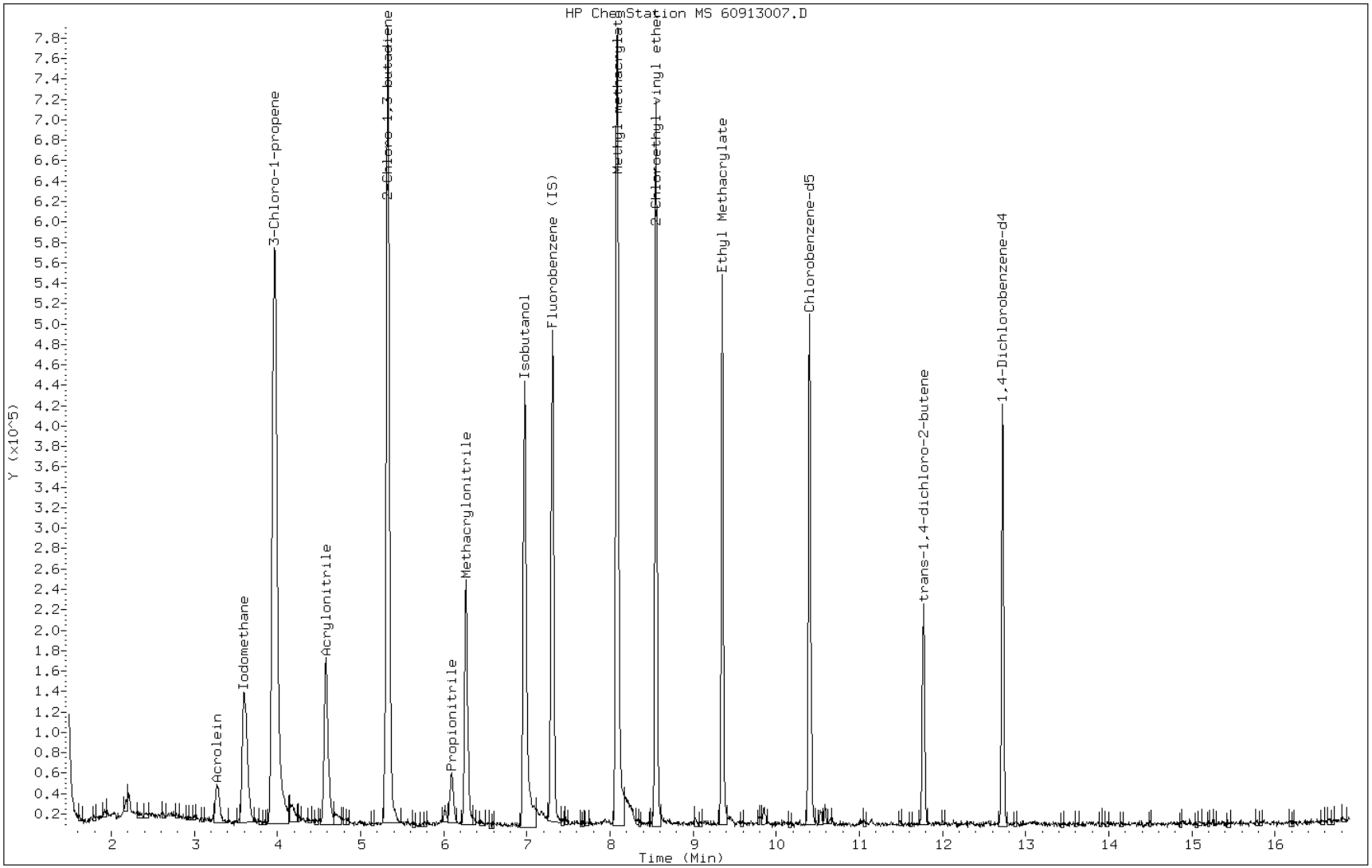
Q - Qualifier signal failed the ratio test.

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

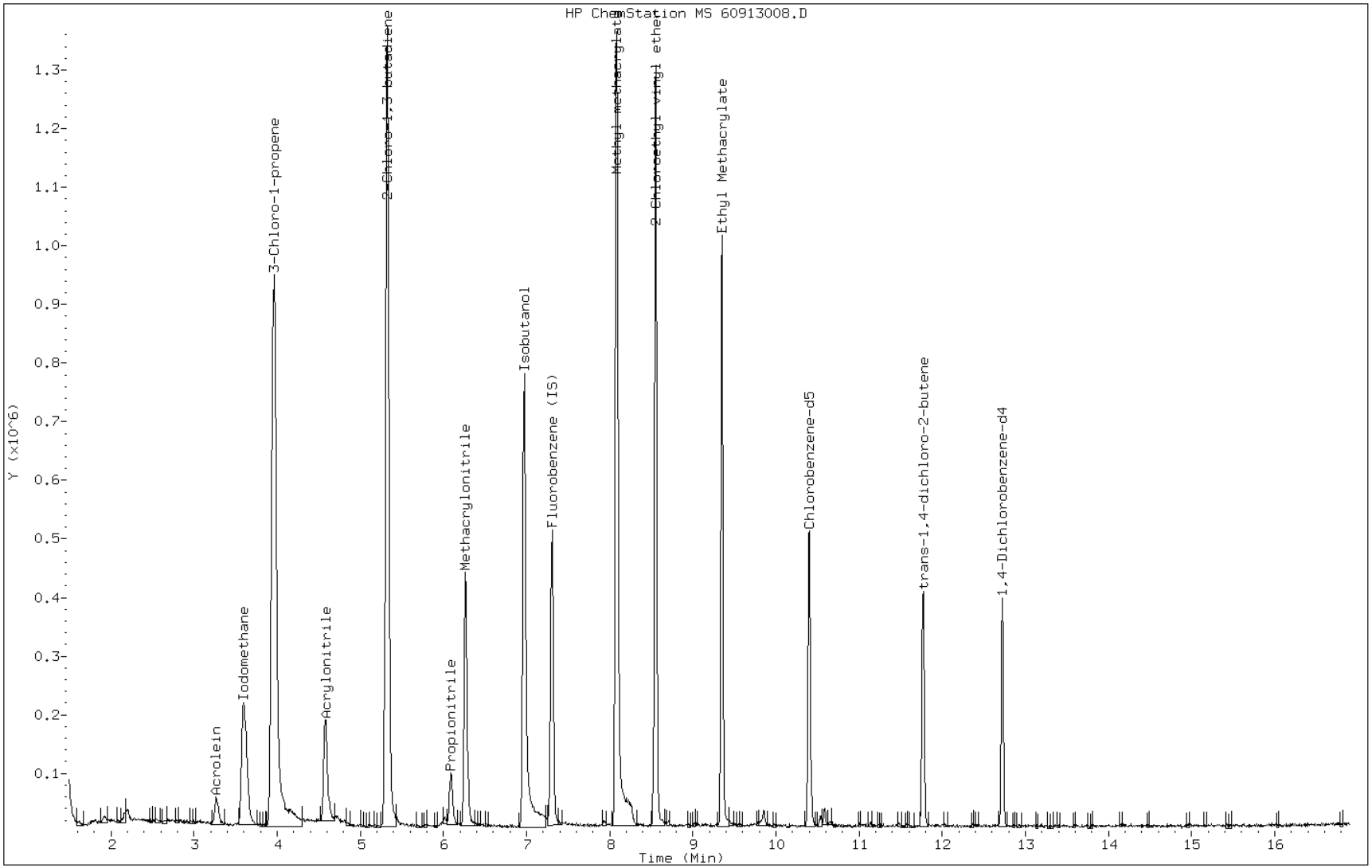
Q - Qualifier signal failed the ratio test.

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

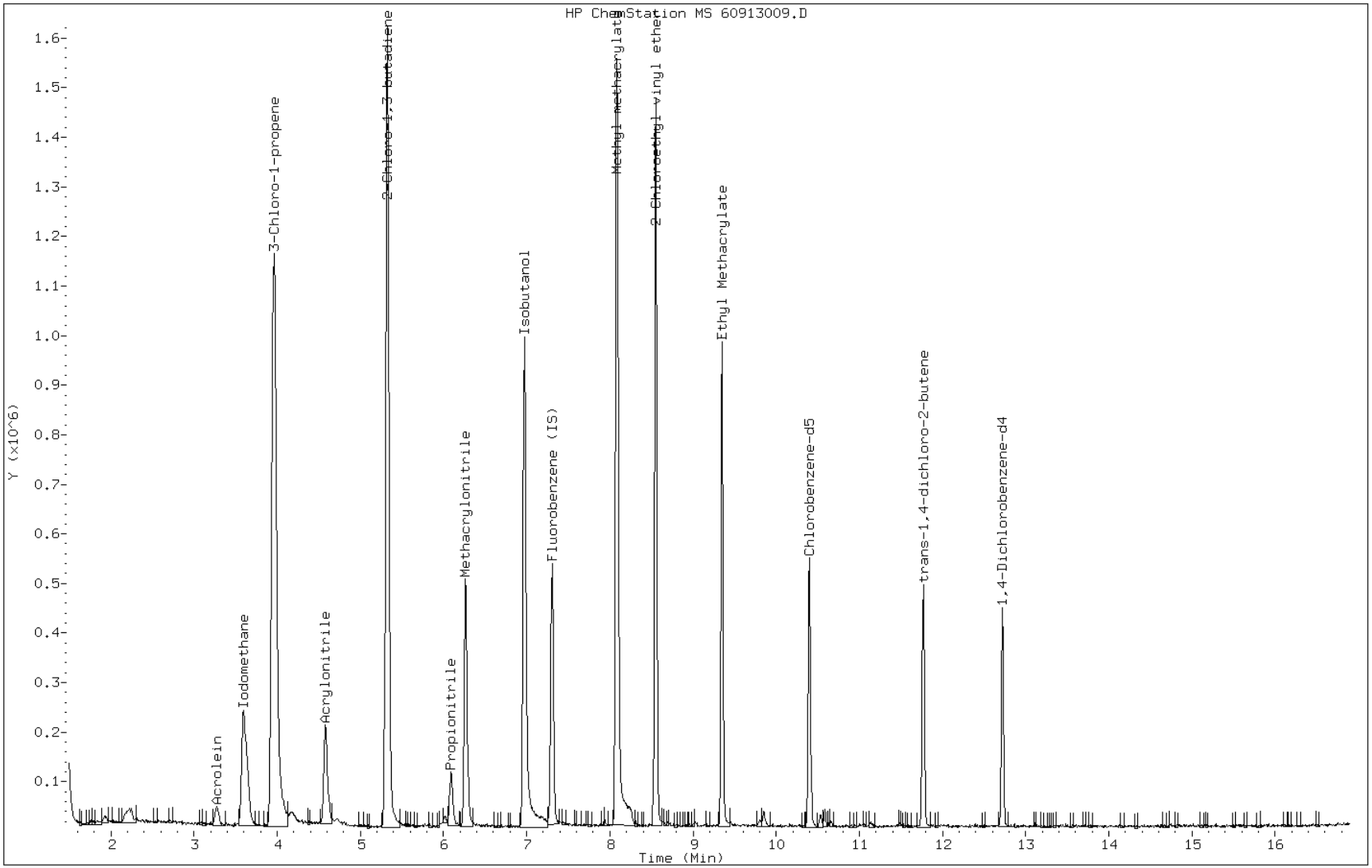
Q - Qualifier signal failed the ratio test.

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

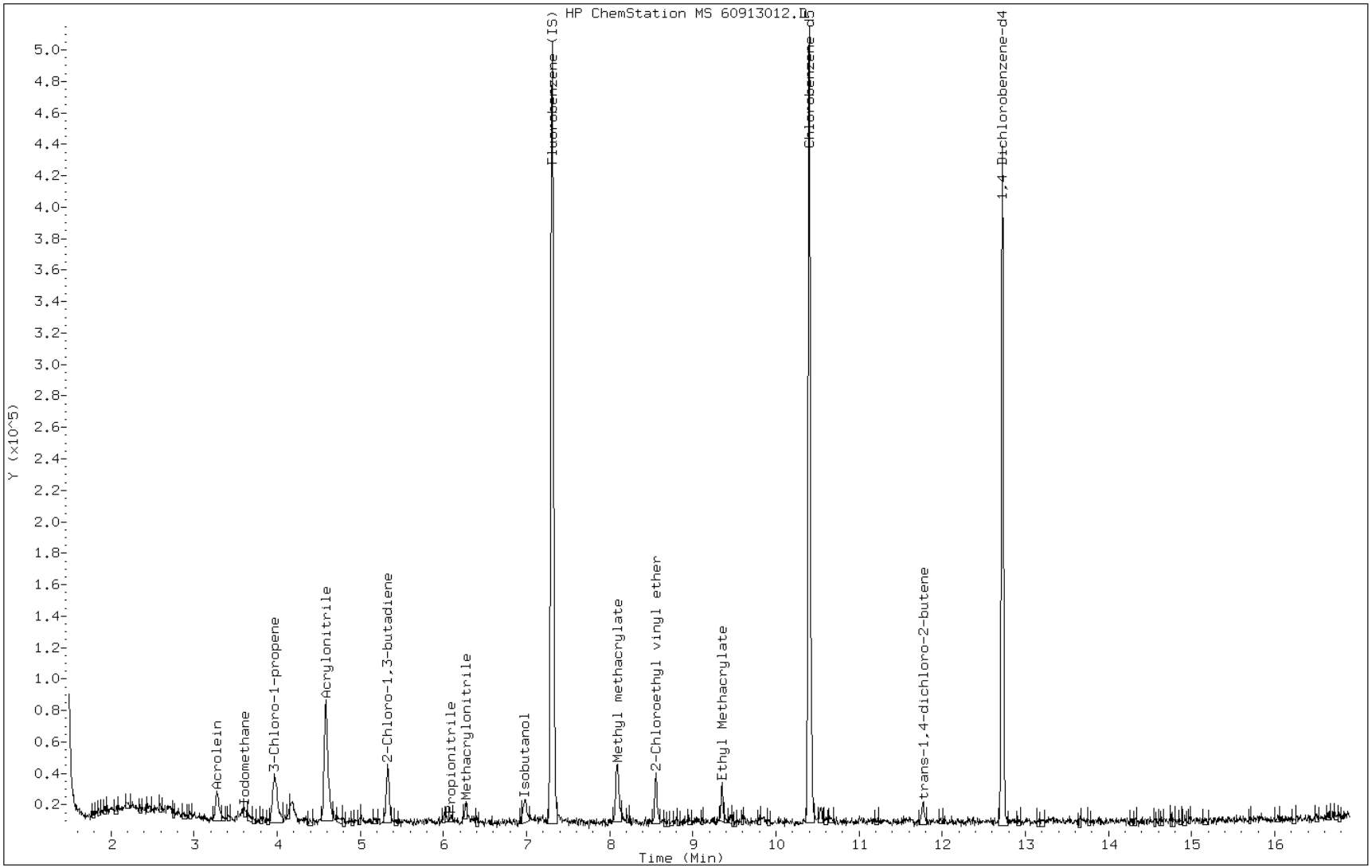
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

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

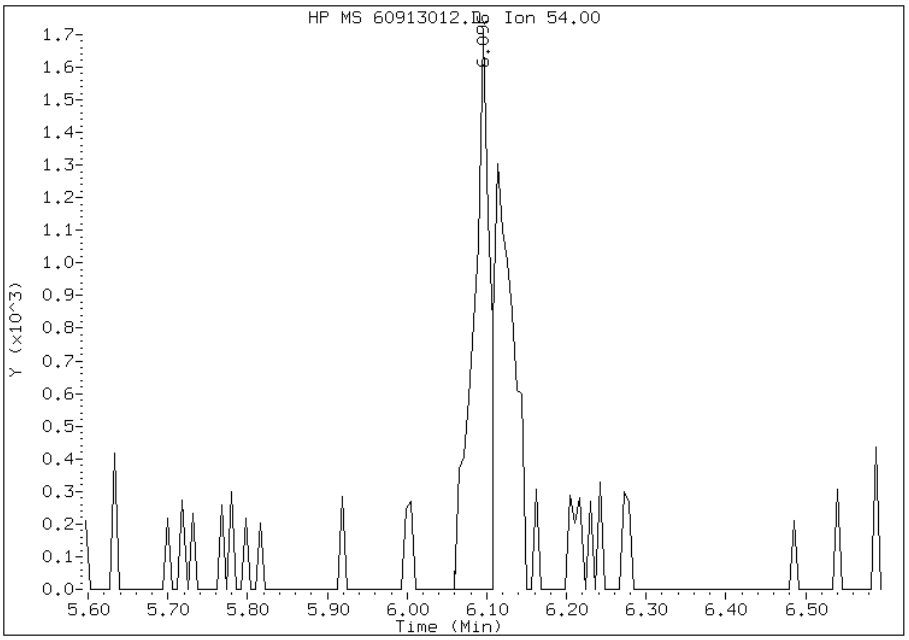
Processing Integration Results

RT: 6.10

Response: 2515

Amount: 7

Conc: 7



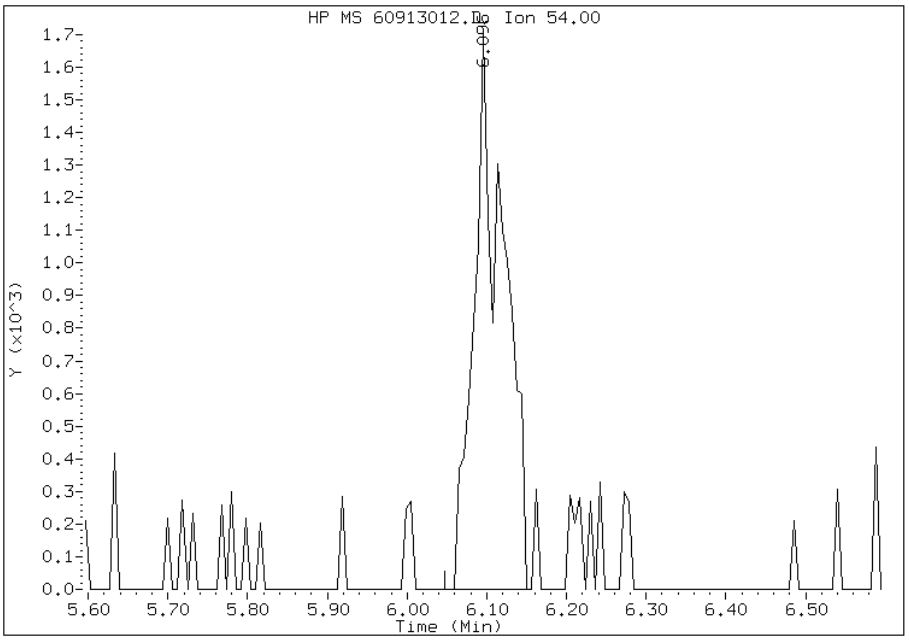
Manual Integration Results

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

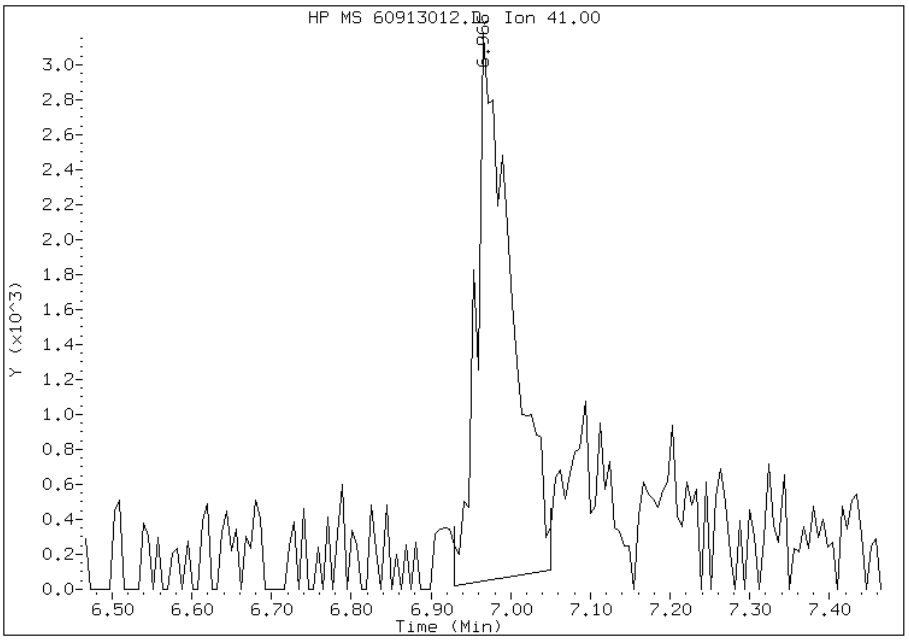
Processing Integration Results

RT: 6.97

Response: 9851

Amount: 133

Conc: 133



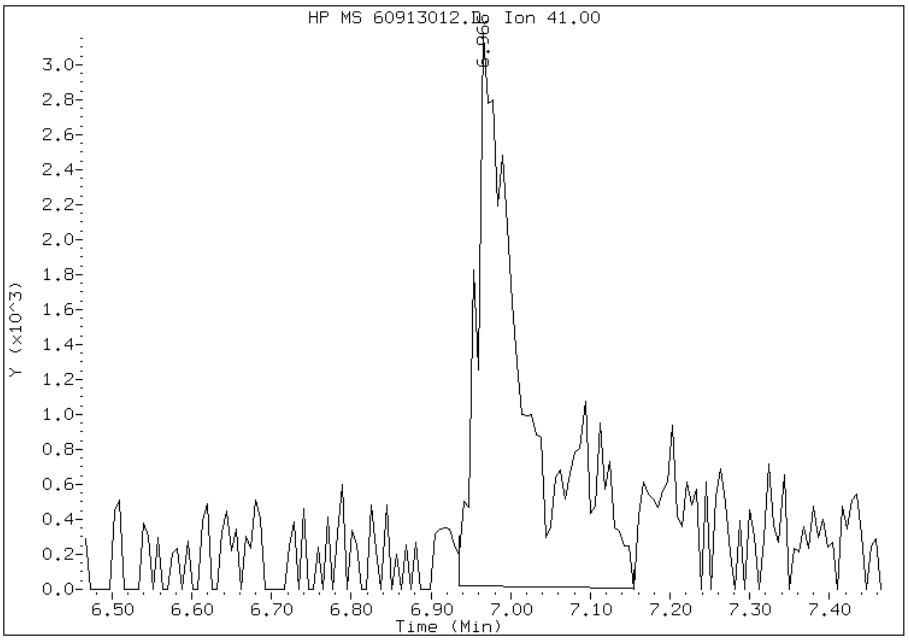
Manual Integration Results

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

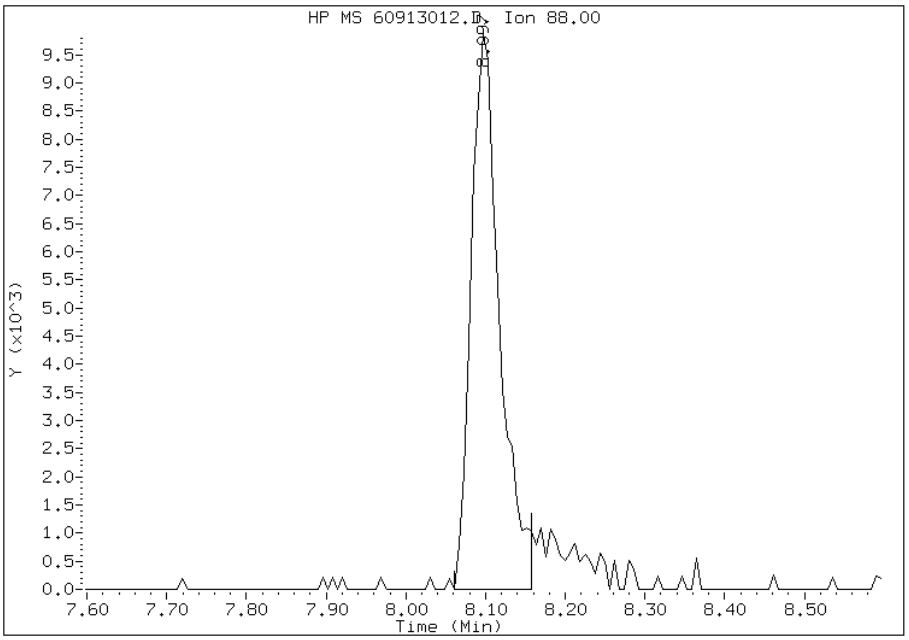
Processing Integration Results

RT: 8.10

Response: 25018

Amount: 1004

Conc: 1004



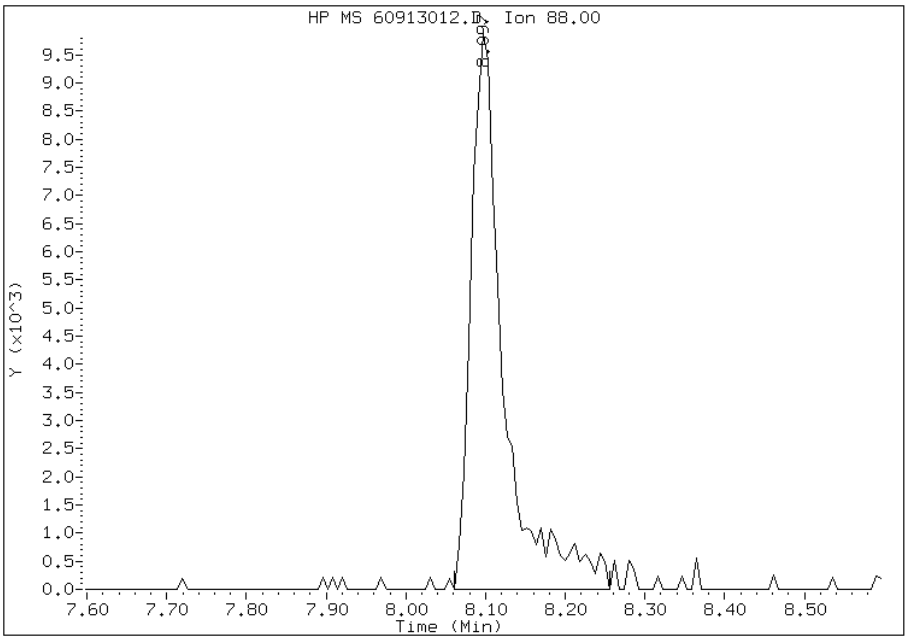
Manual Integration Results

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.: 180-14654-1 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.: 180-14654-1 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

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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

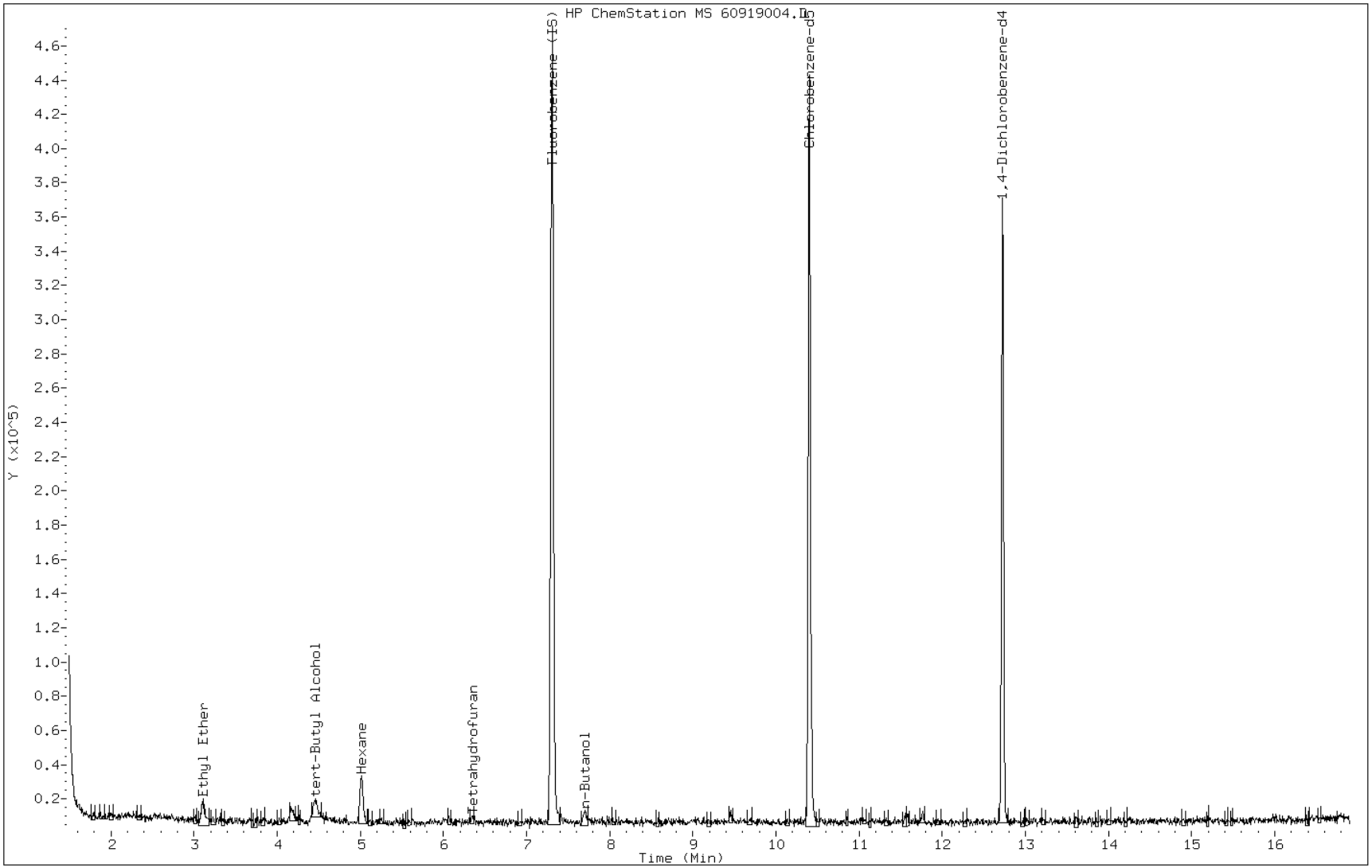
Date: 19-SEP-2012 08:39

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

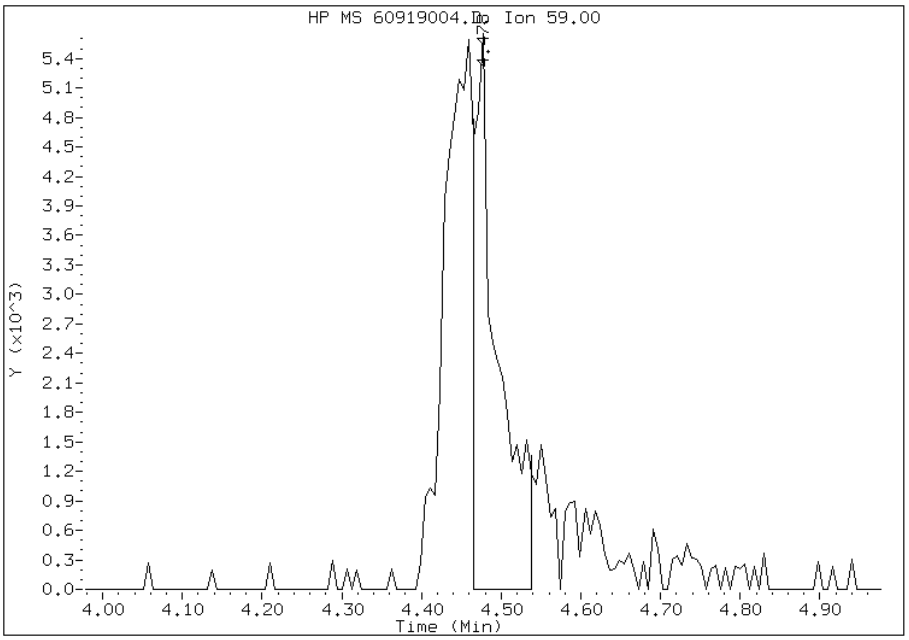
Processing Integration Results

RT: 4.48

Response: 12167

Amount: 0

Conc: 0



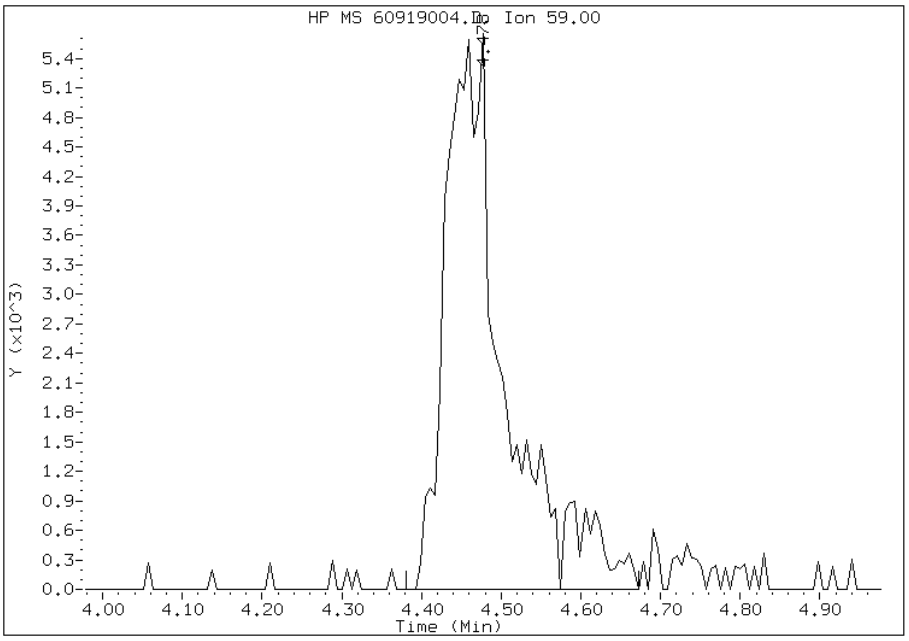
Manual Integration Results

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

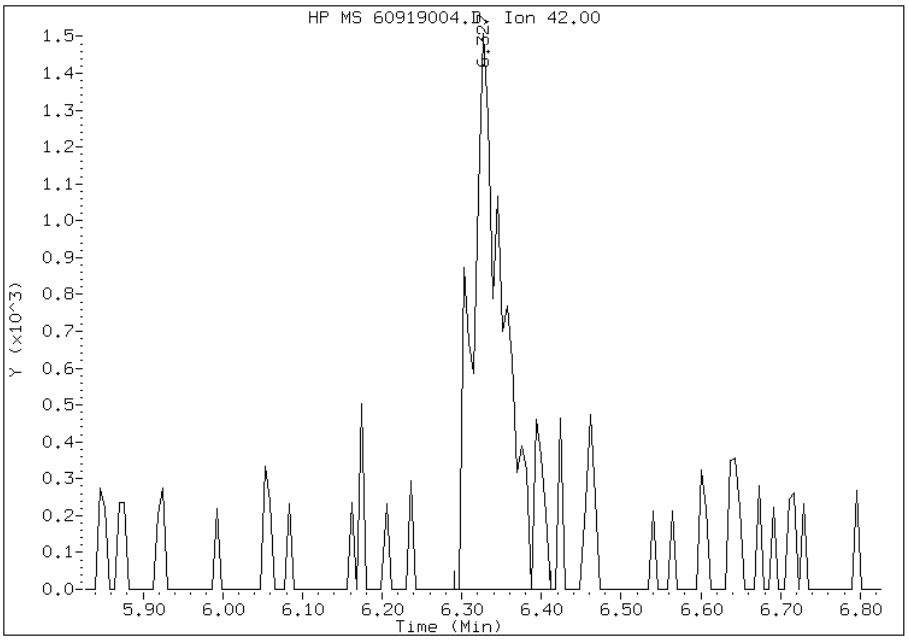
Processing Integration Results

RT: 6.33

Response: 4375

Amount: 0

Conc: 0



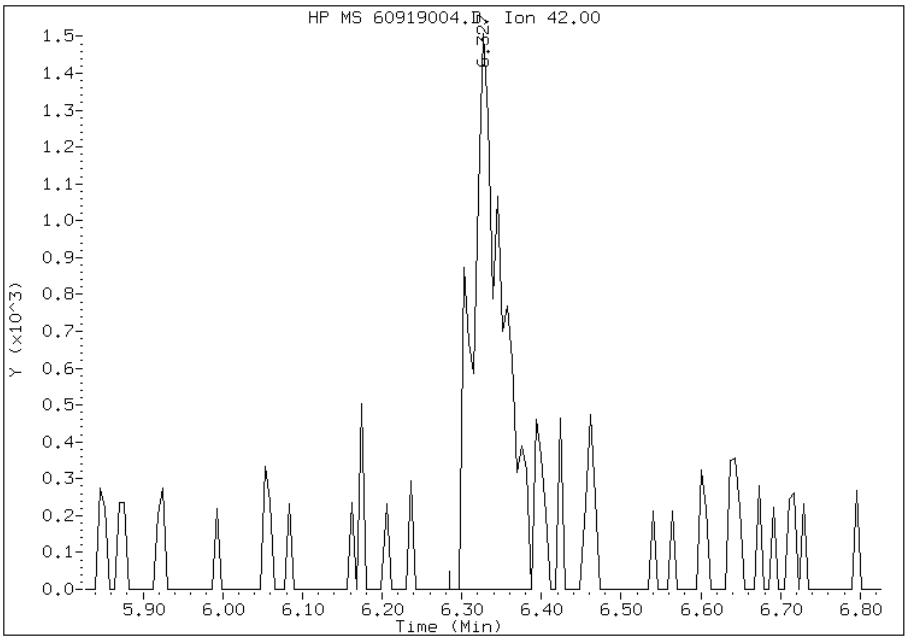
Manual Integration Results

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

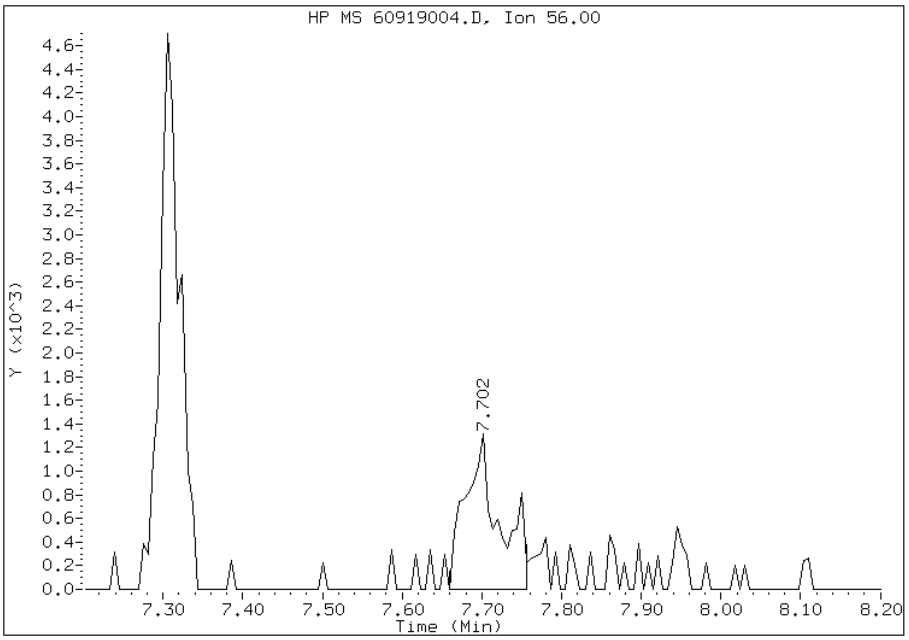
Processing Integration Results

RT: 7.70

Response: 3902

Amount: 0

Conc: 0



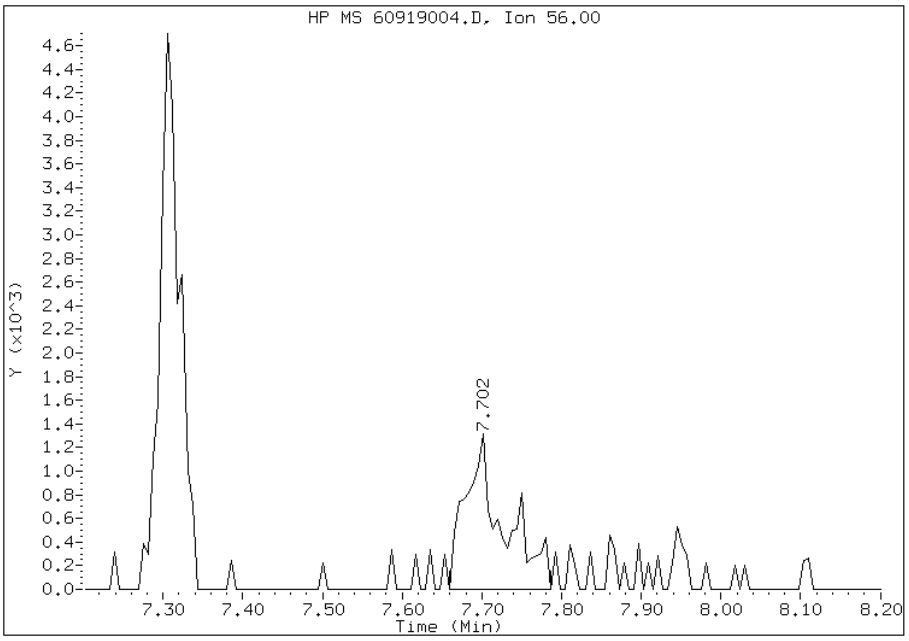
Manual Integration Results

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

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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

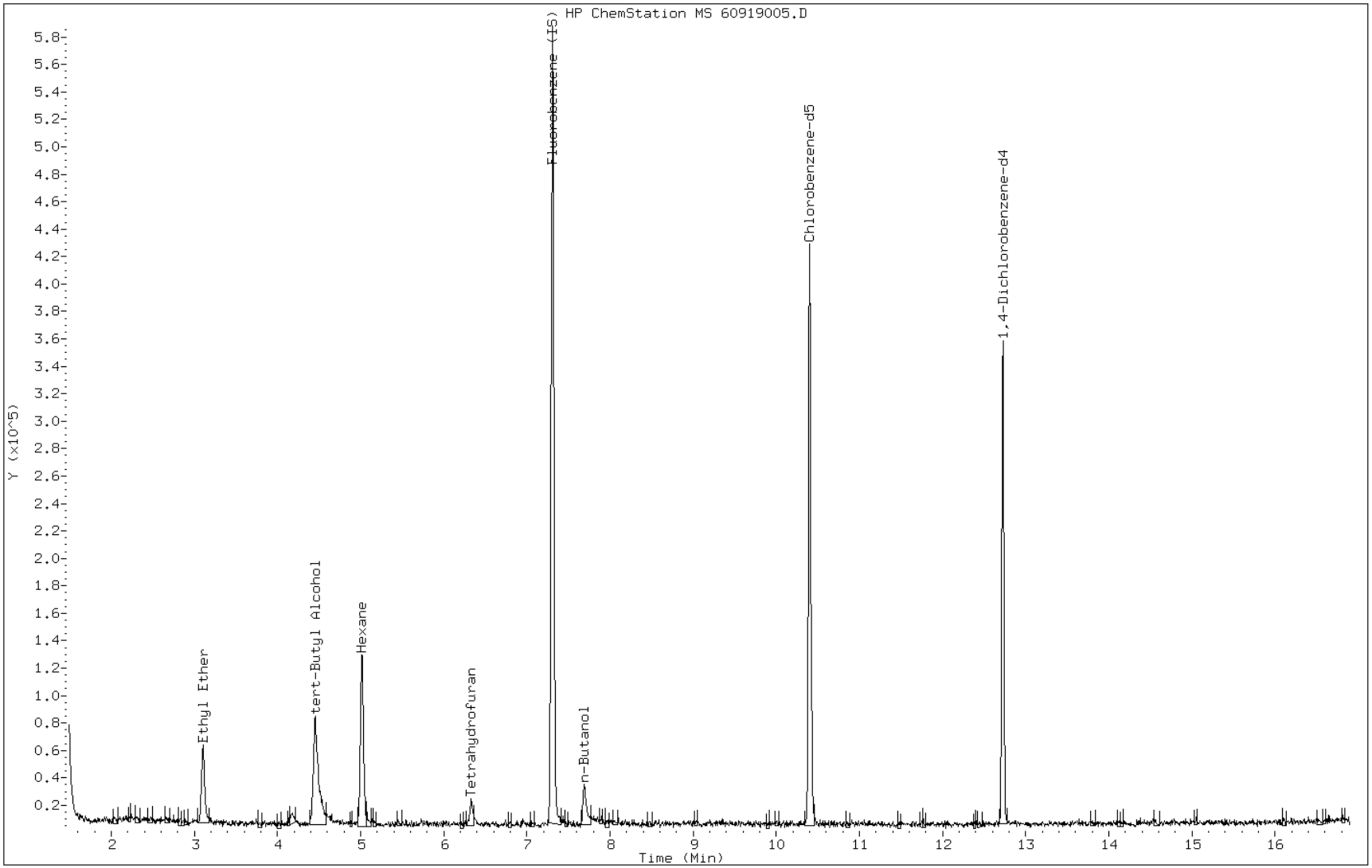
M - Compound response manually integrated.

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

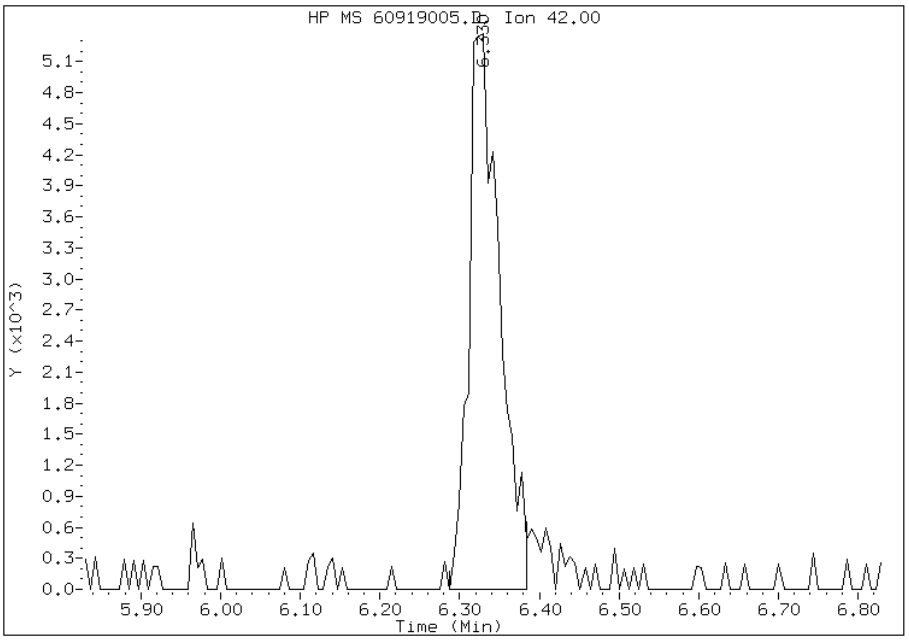
Processing Integration Results

RT: 6.33

Response: 14744

Amount: 0

Conc: 0



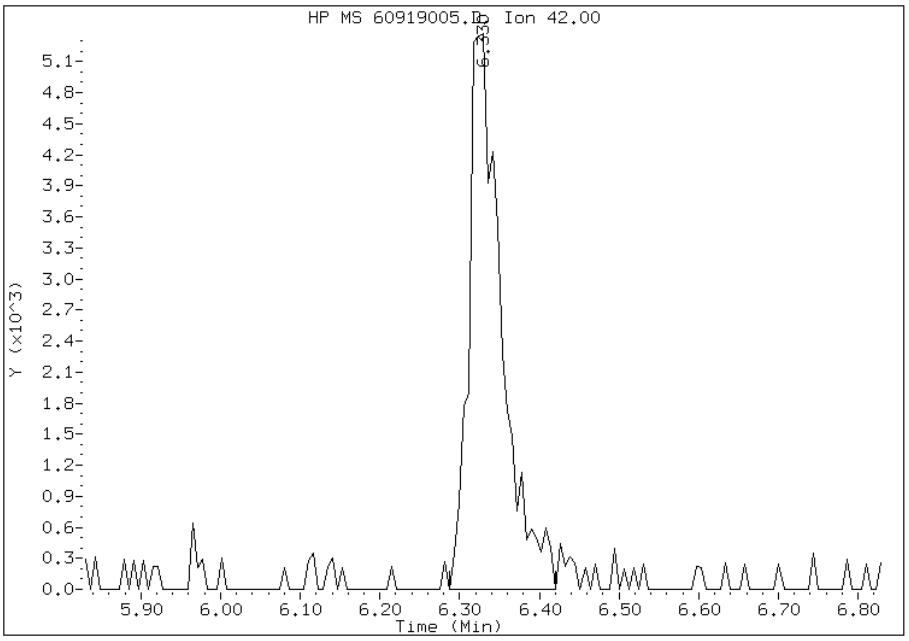
Manual Integration Results

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

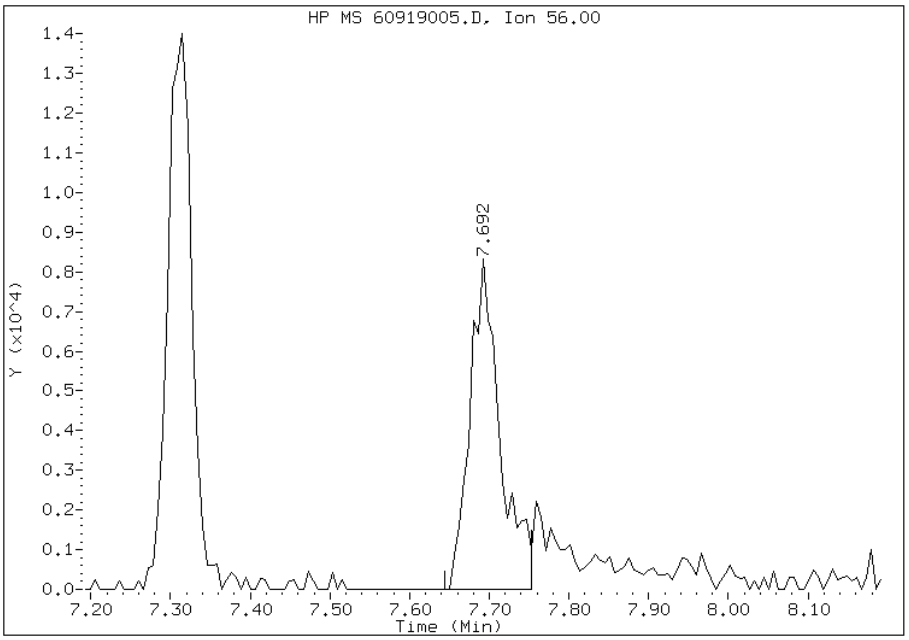
Processing Integration Results

RT: 7.69

Response: 22282

Amount: 0

Conc: 0



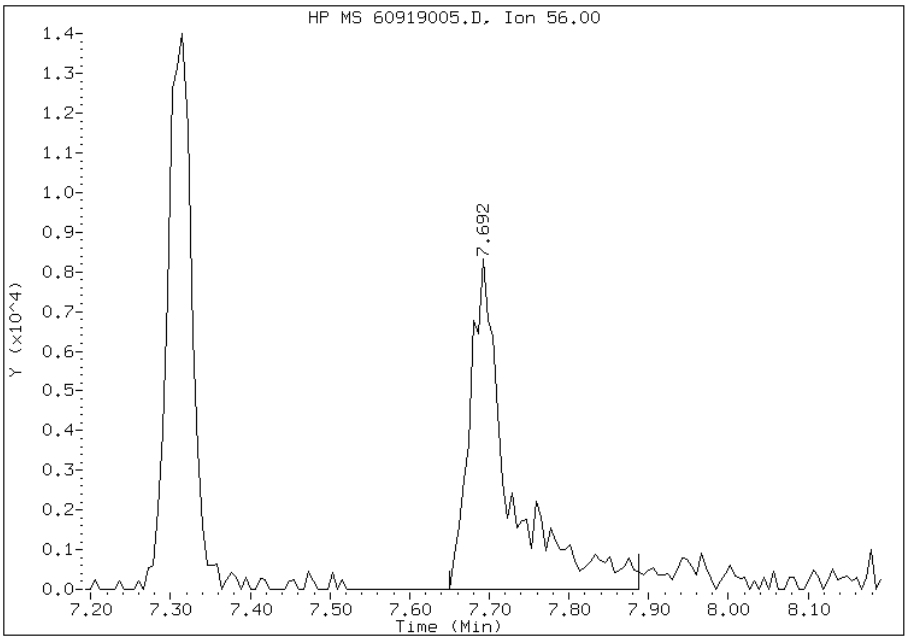
Manual Integration Results

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

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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

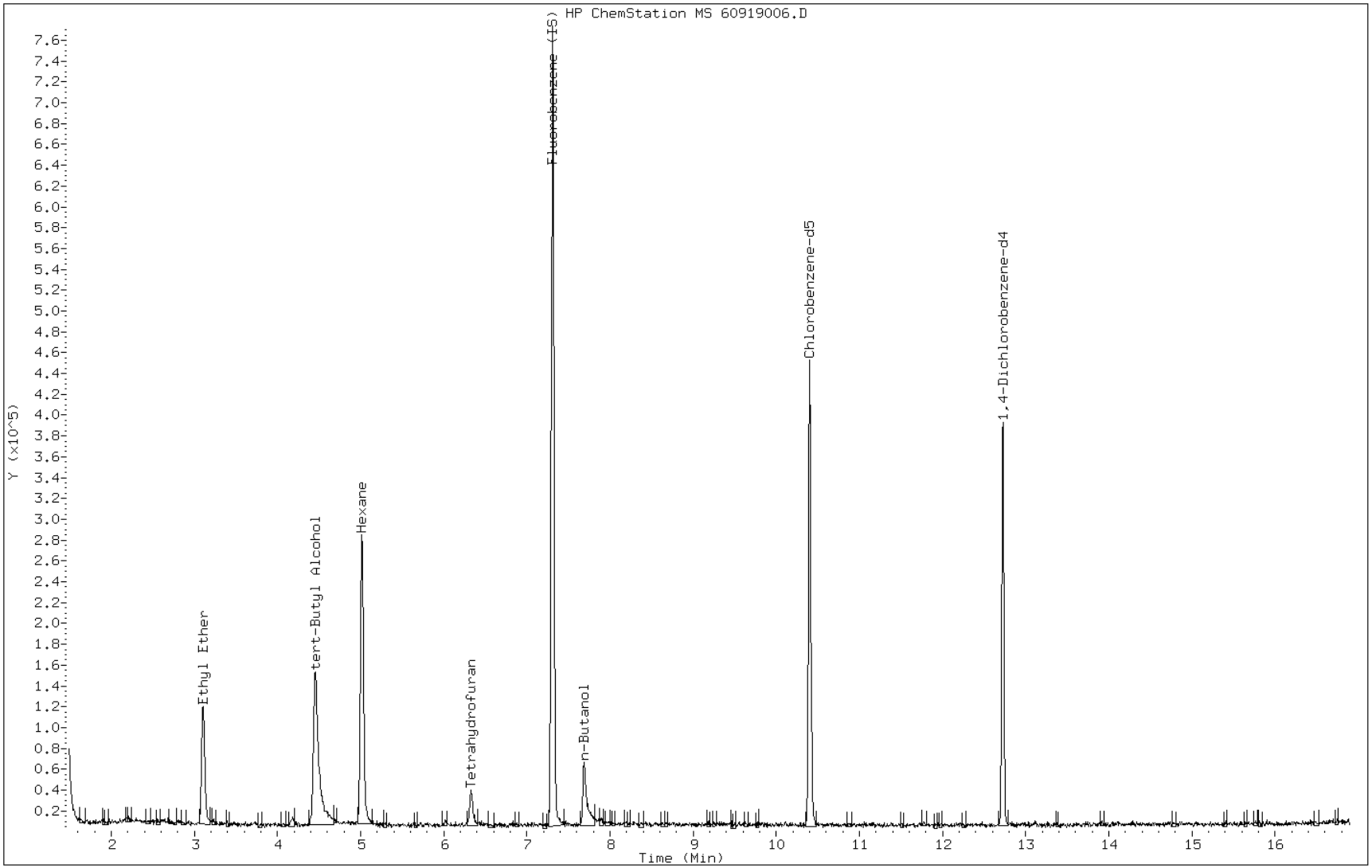
M - Compound response manually integrated.

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

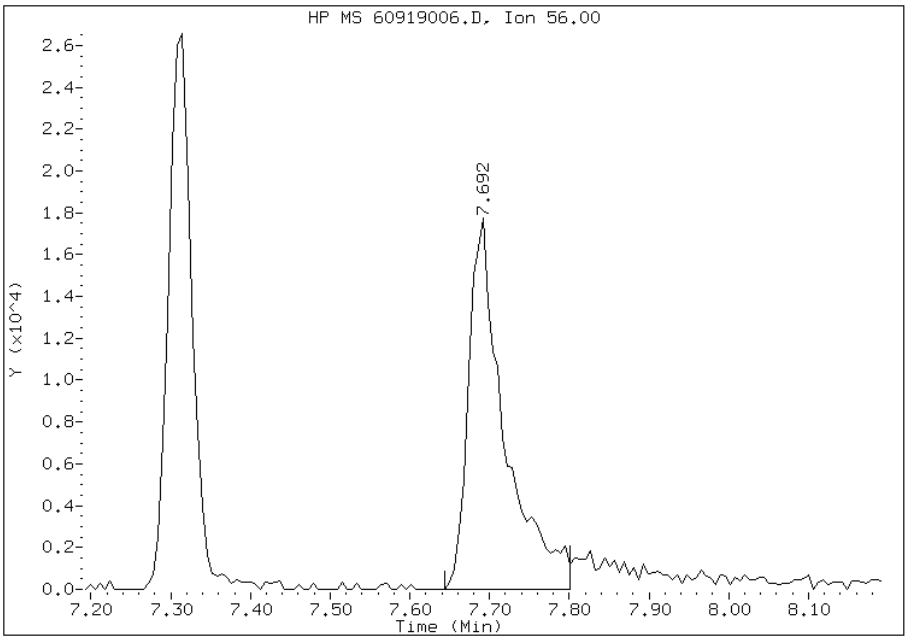
Processing Integration Results

RT: 7.69

Response: 56499

Amount: 0

Conc: 0



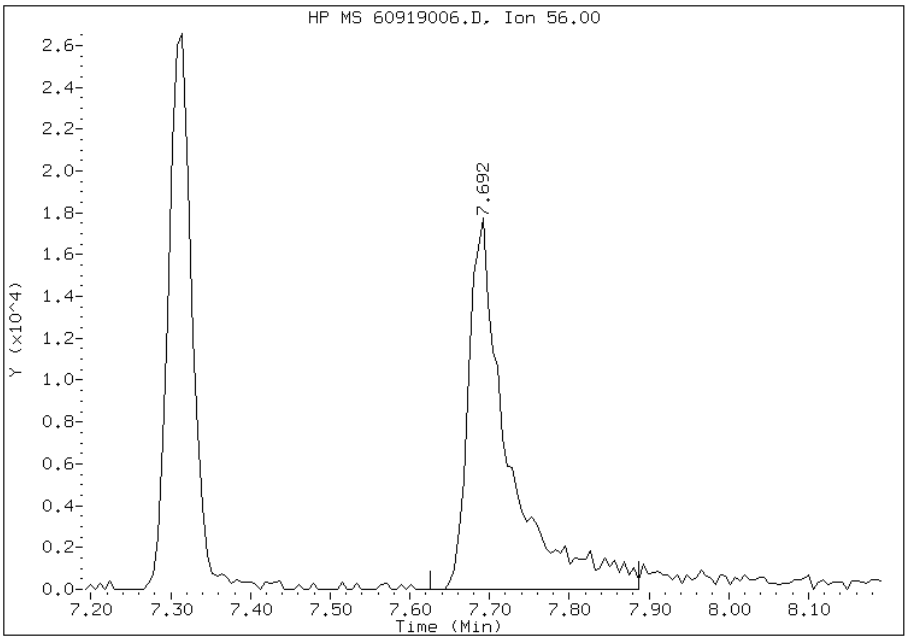
Manual Integration Results

RT: 7.69

Response: 62367

Amount: 1919

Conc: 1919



Manually Integrated By: fergusond
Modification Date: 19-Sep-2012 10:12
Manual Integration Reason:

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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

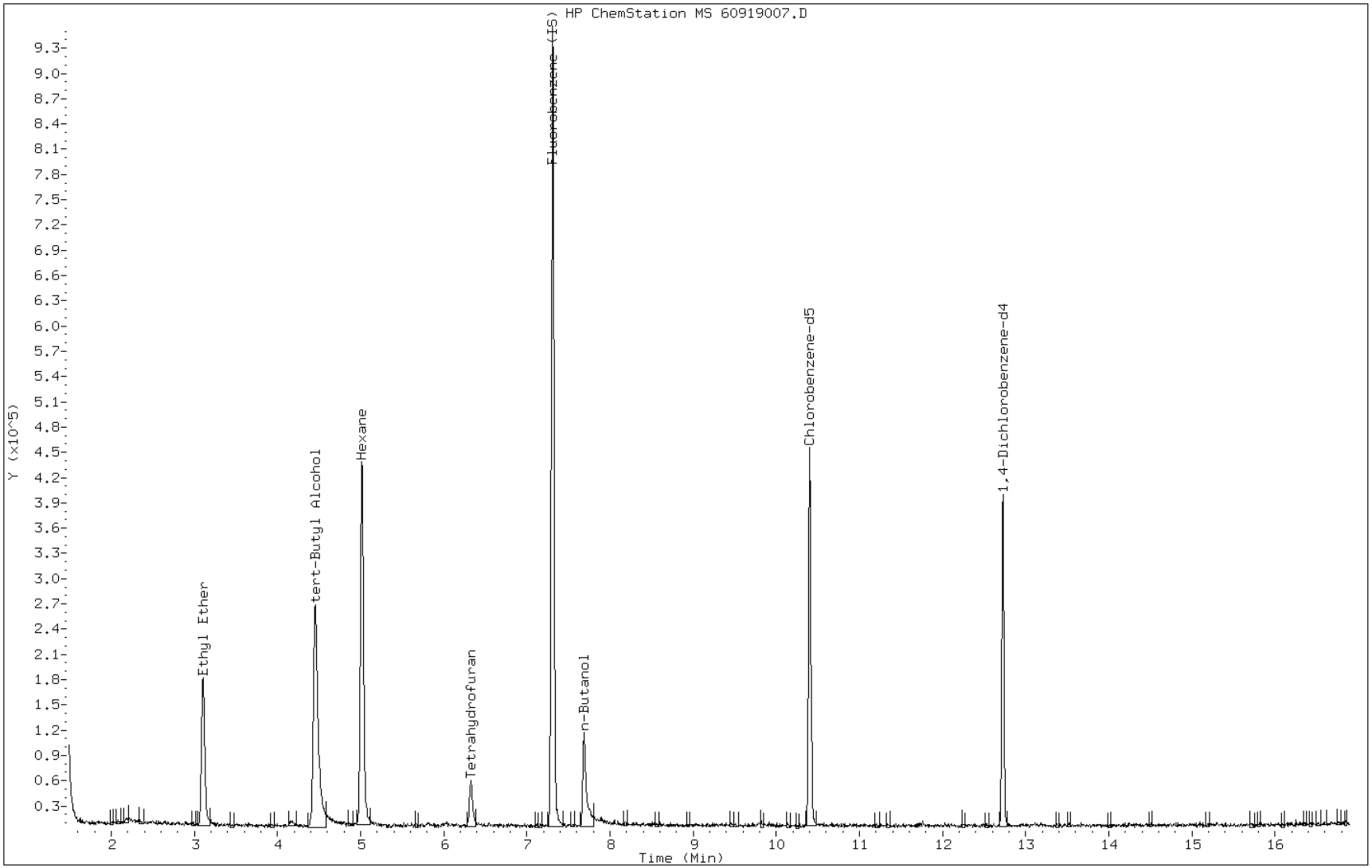
M - Compound response manually integrated.

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

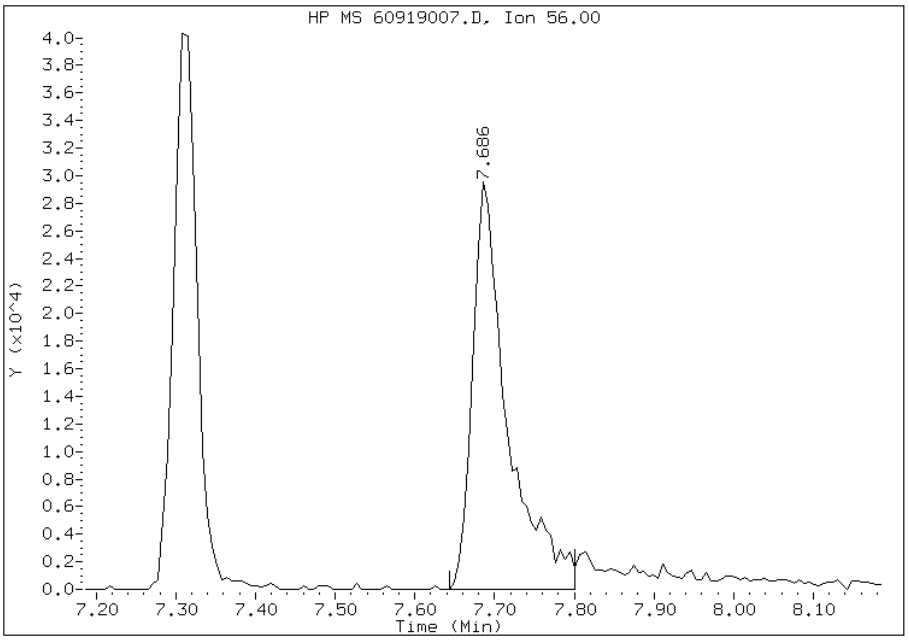
Processing Integration Results

RT: 7.69

Response: 91309

Amount: 3131

Conc: 3131



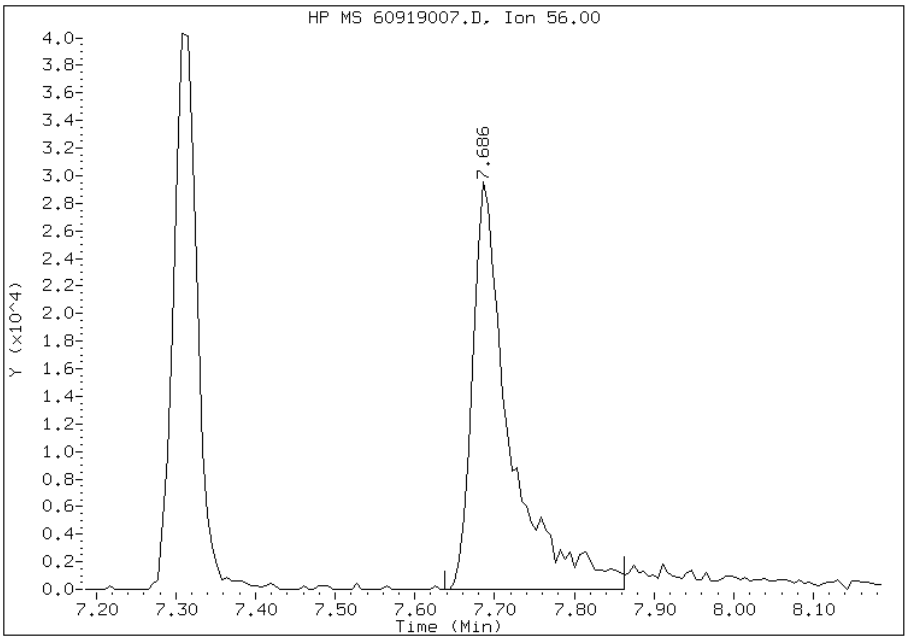
Manual Integration Results

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

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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

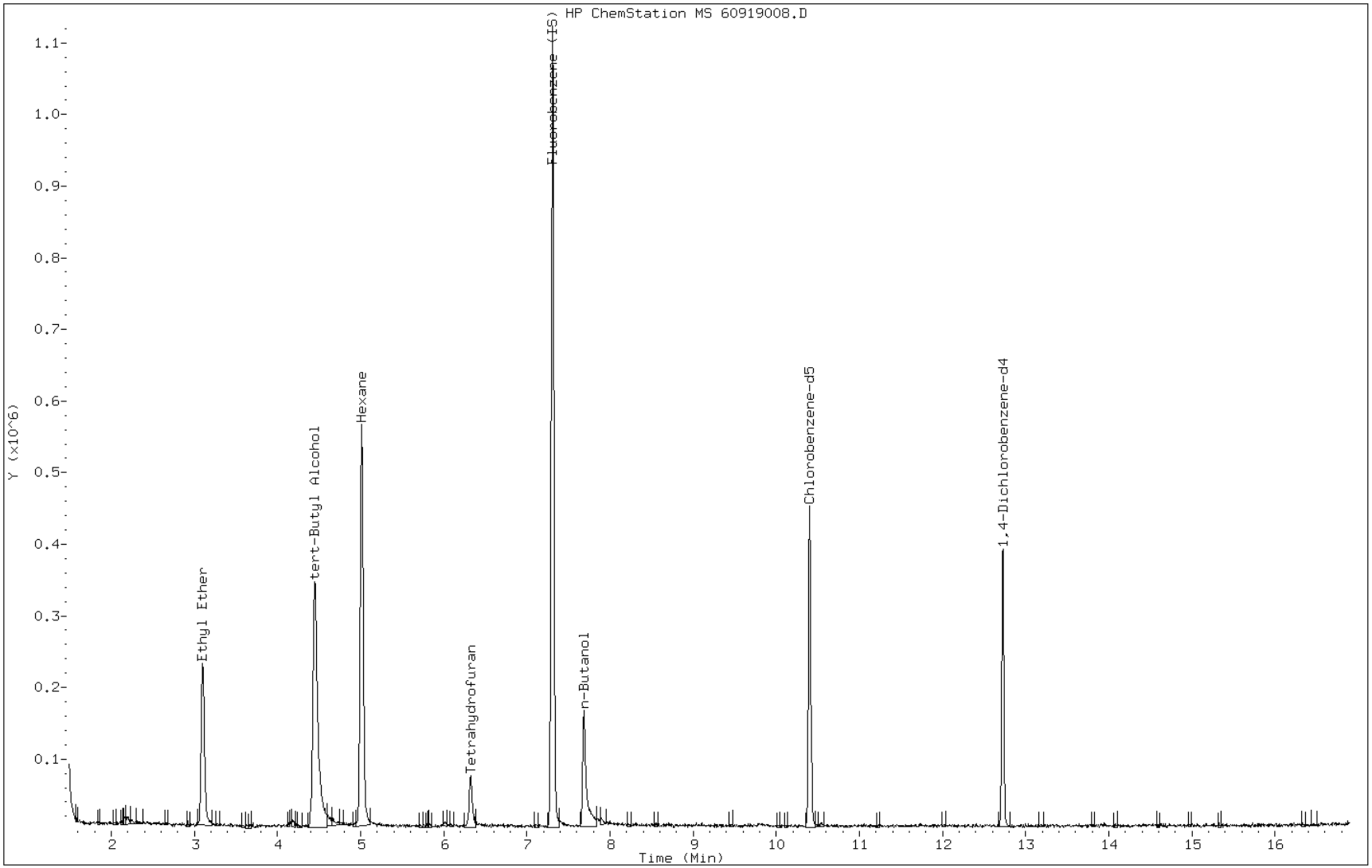
M - Compound response manually integrated.

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

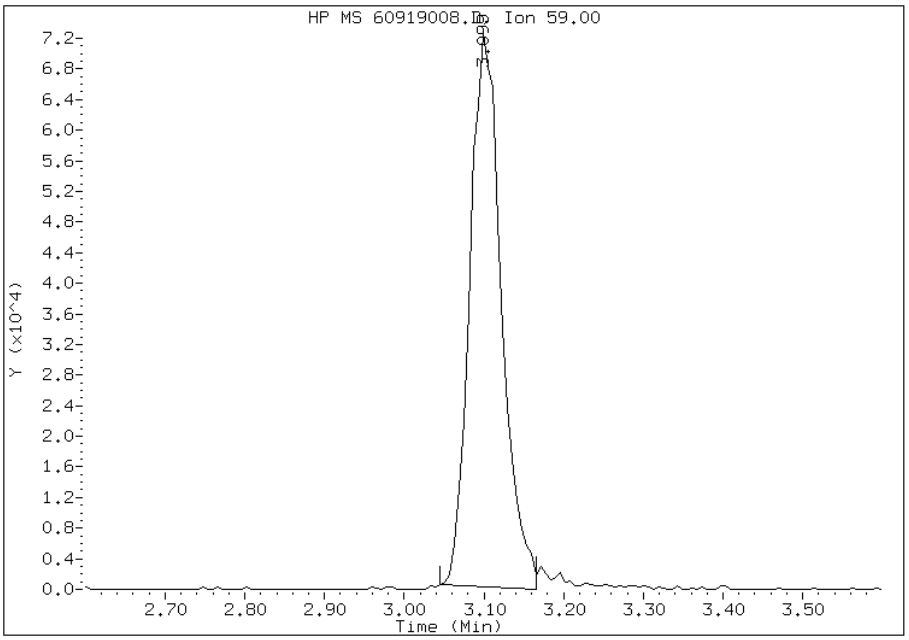
Processing Integration Results

RT: 3.10

Response: 203066

Amount: 98

Conc: 98



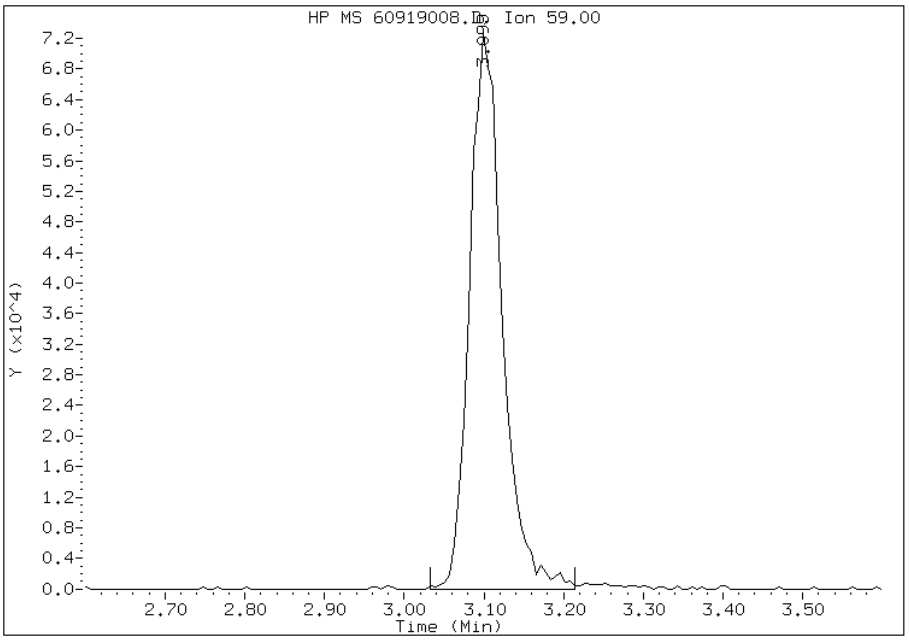
Manual Integration Results

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

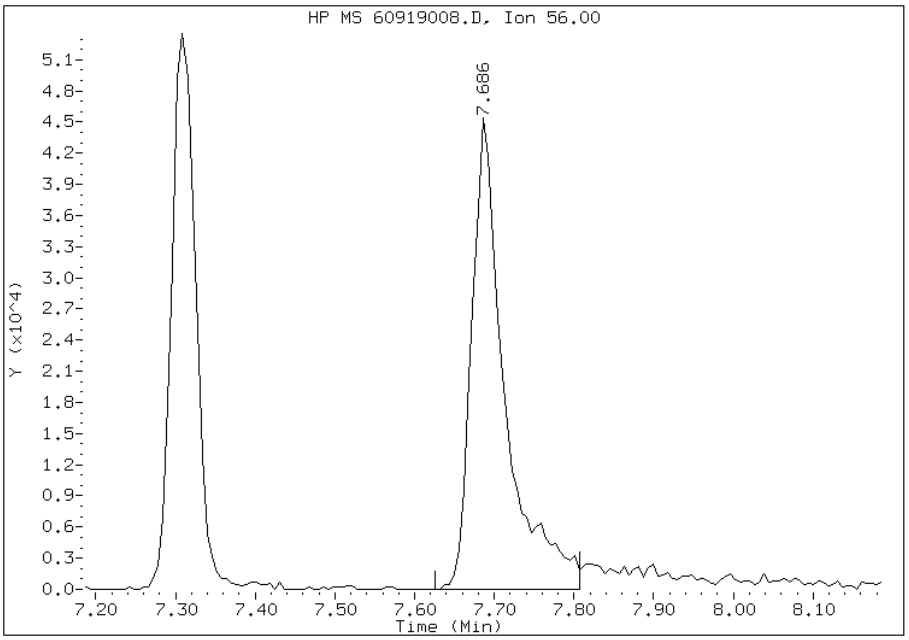
Processing Integration Results

RT: 7.69

Response: 133990

Amount: 4556

Conc: 4556



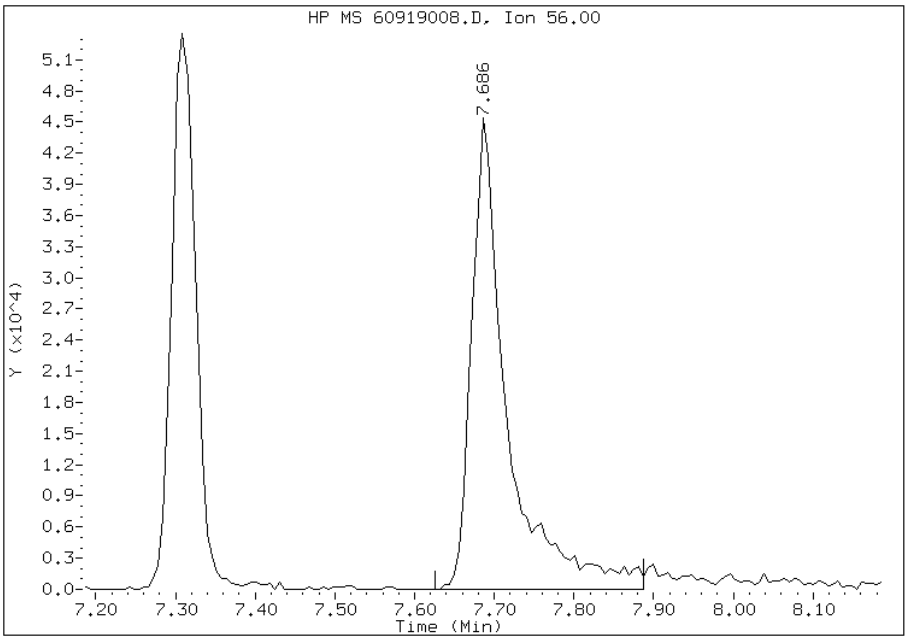
Manual Integration Results

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

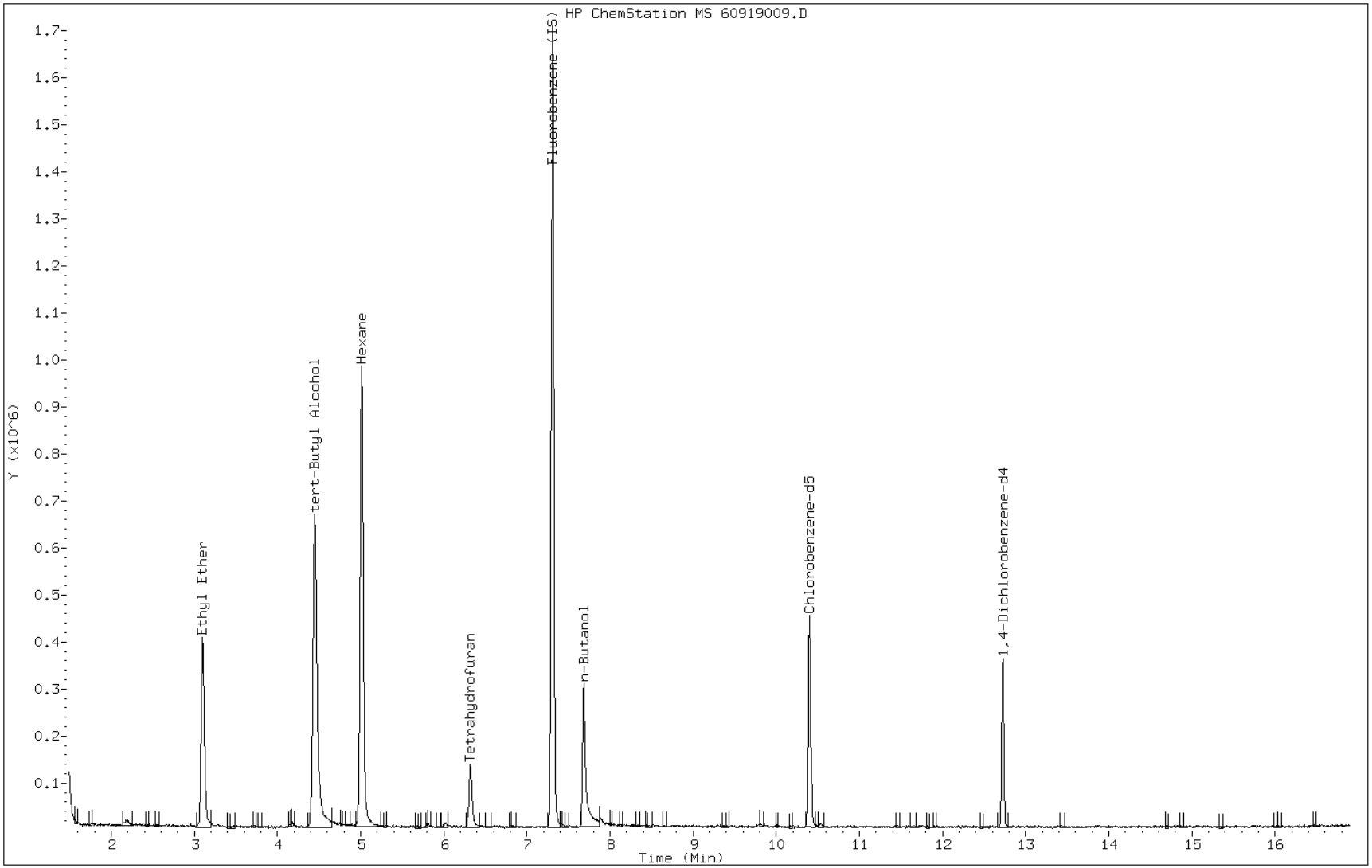
M - Compound response manually integrated.

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

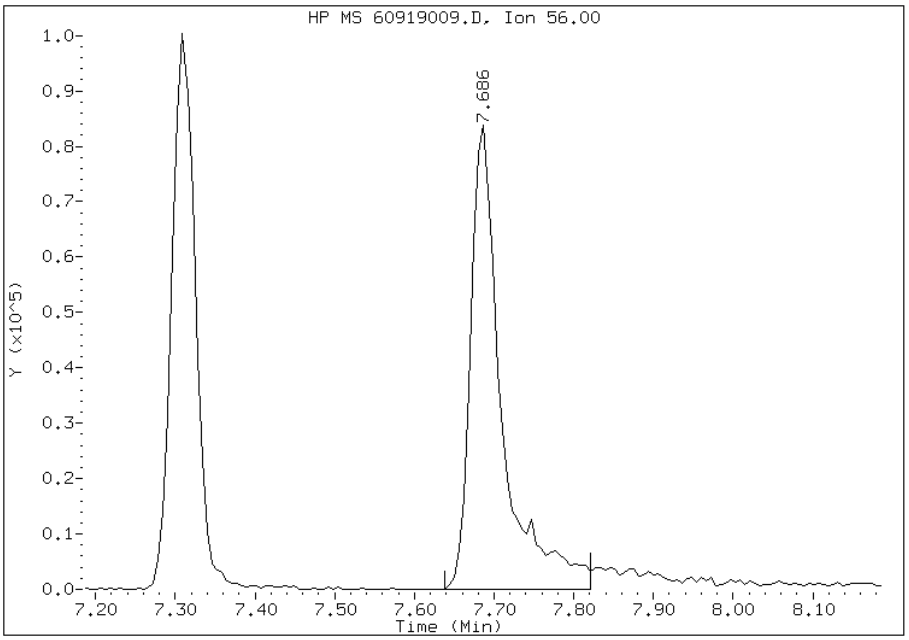
Processing Integration Results

RT: 7.69

Response: 231781

Amount: 7734

Conc: 7734



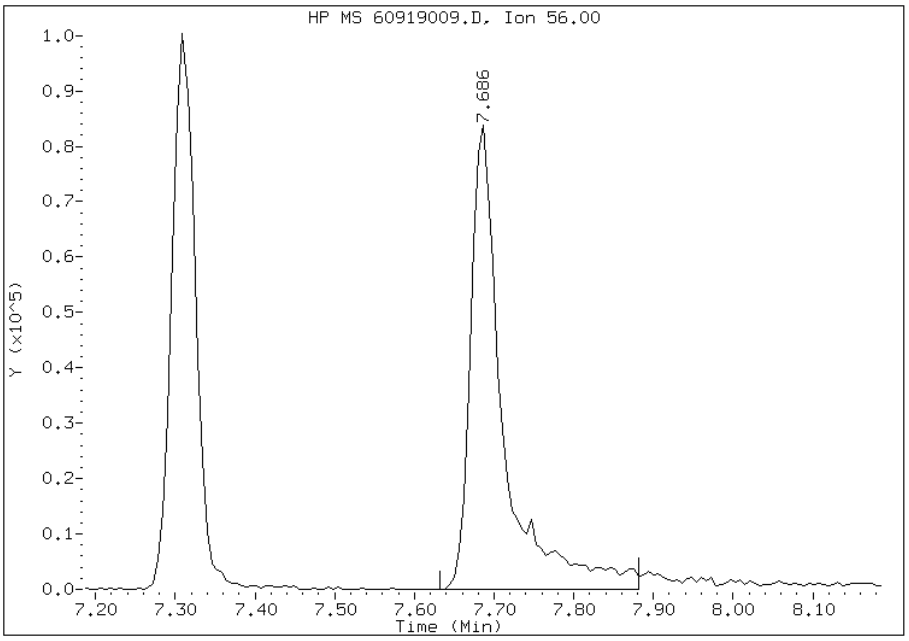
Manual Integration Results

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

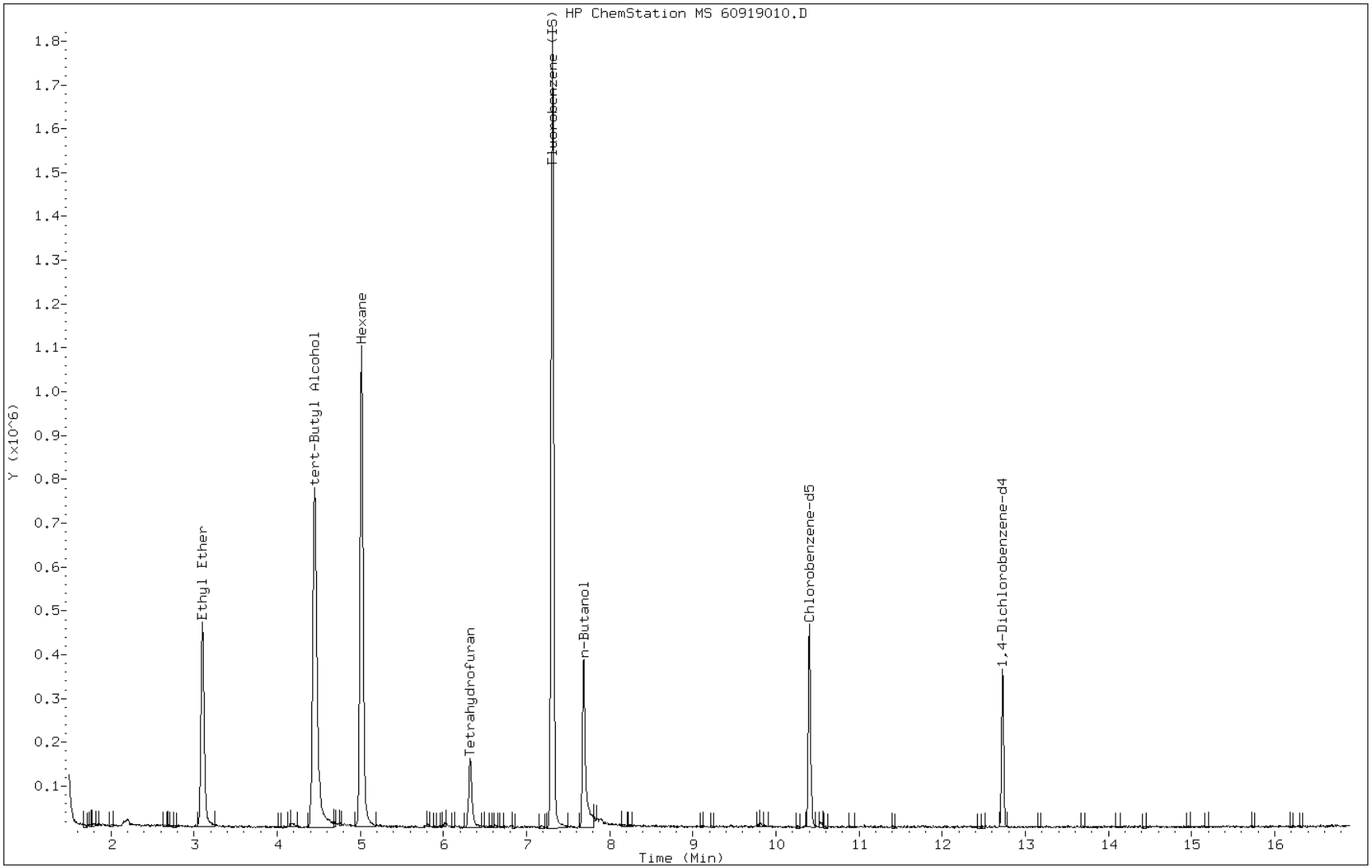
M - Compound response manually integrated.

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

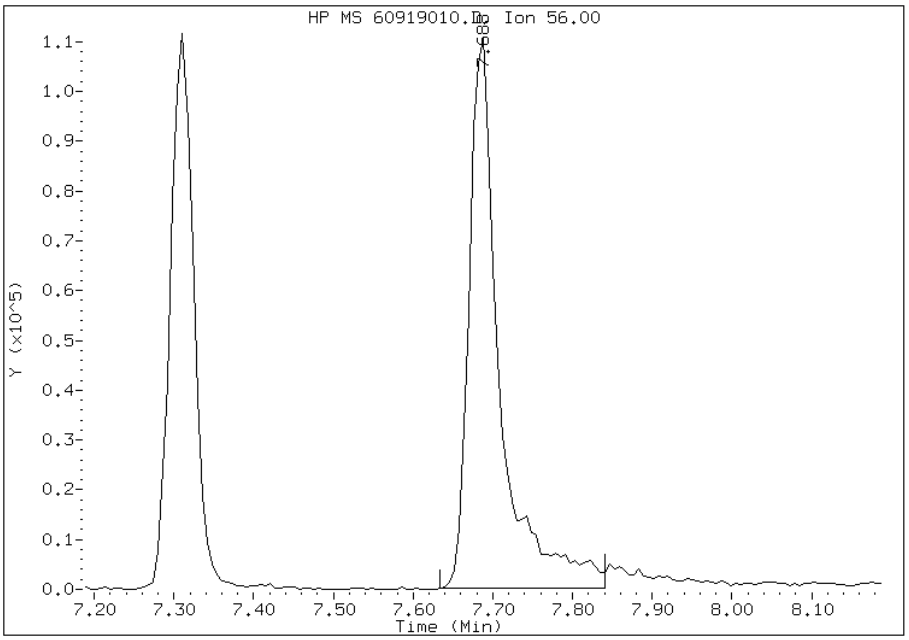
Processing Integration Results

RT: 7.69

Response: 301007

Amount: 9515

Conc: 9515



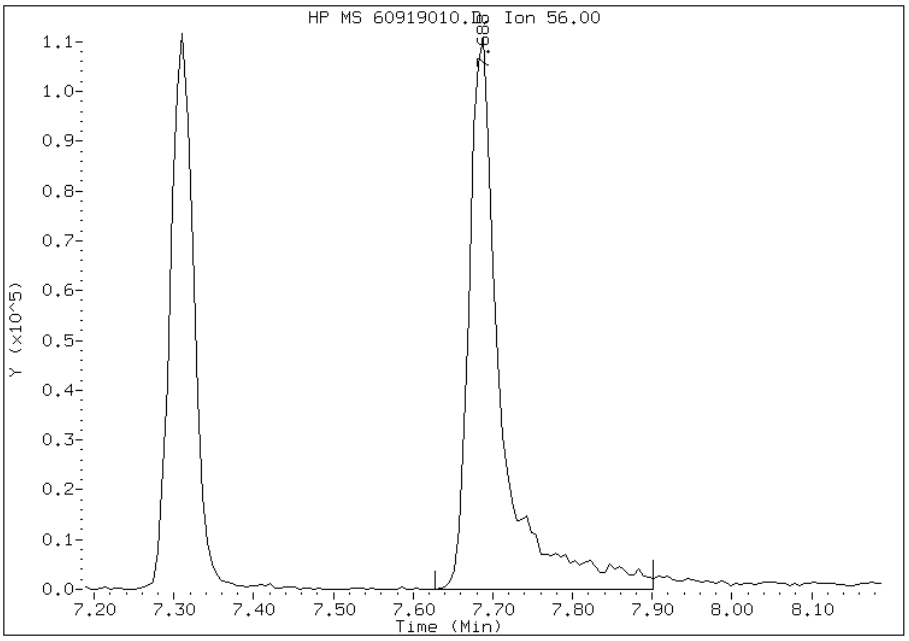
Manual Integration Results

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.: 180-14654-1

SDG No.:

Lab Sample ID: CCVIS 180-50213/2 Calibration Date: 09/29/2012 14:07

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: 6092908.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	0.3259		12.9	10.0	28.6	50.0
Chloromethane	Ave	0.3894	0.4314	0.1000	11.1	10.0	10.8	
Vinyl chloride	Ave	0.3061	0.3476		11.4	10.0	13.6	20.0
Bromomethane	Qua	0.1030	0.1342		14.1	10.0	41.4	
Chloroethane	Ave	0.1280	0.1894		14.8	10.0	48.0	50.0
Trichlorofluoromethane	Ave	0.3058	0.3822		12.5	10.0	25.0	50.0
1,1-Dichloroethene	Ave	0.2607	0.2759		10.6	10.0	5.8	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2431	0.2681		11.0	10.0	10.3	50.0
Acetone	Ave	0.0654	0.0970		29.7	20.0	48.3	50.0
Carbon disulfide	Ave	0.6226	0.6511		10.5	10.0	4.6	50.0
Acetonitrile	Ave	0.0135	0.0160		236	200	17.8	50.0
Methyl acetate	Ave	0.2093	0.1975		9.43	10.0	-5.7	50.0
Methylene Chloride	Qua	0.3288	0.2854		10.2	10.0	1.7	50.0
trans-1,2-Dichloroethene	Ave	0.2707	0.2772		10.2	10.0	2.4	50.0
Methyl tert-butyl ether	Ave	0.6848	0.5488		8.01	10.0	-19.9	50.0
1,1-Dichloroethane	Ave	0.4832	0.5419	0.1000	11.2	10.0	12.1	50.0
2,2-Dichloropropane	Ave	0.2355	0.1767		7.50	10.0	-25.0	50.0
cis-1,2-Dichloroethene	Ave	0.2978	0.3299		11.1	10.0	10.8	50.0
2-Butanone (MEK)	Ave	0.1181	0.1315		22.3	20.0	11.4	50.0
Bromochloromethane	Ave	0.1193	0.1248		10.5	10.0	4.6	50.0
Chloroform	Ave	0.3891	0.4140		10.6	10.0	6.4	20.0
1,1,1-Trichloroethane	Ave	0.3148	0.3045		9.67	10.0	-3.3	25.0
Cyclohexane	Ave	0.6119	0.6043		9.88	10.0	-1.2	50.0
1,1-Dichloropropene	Ave	0.3795	0.4077		10.7	10.0	7.4	50.0
Carbon tetrachloride	Ave	0.2447	0.2435		9.95	10.0	-0.5	25.0
Benzene	Ave	1.127	1.194		10.6	10.0	6.0	25.0
1,2-Dichloroethane	Ave	0.2991	0.3491		11.7	10.0	16.7	25.0
Trichloroethene	Ave	0.2780	0.3094		11.1	10.0	11.3	25.0
Methylcyclohexane	Ave	0.4931	0.4905		9.95	10.0	-0.5	50.0
1,2-Dichloropropane	Ave	0.2663	0.3010		11.3	10.0	13.0	20.0
Dibromomethane	Ave	0.1319	0.1359		10.3	10.0	3.1	50.0
Bromodichloromethane	Ave	0.2365	0.2499		10.6	10.0	5.6	25.0
cis-1,3-Dichloropropene	Ave	0.3378	0.2779		8.23	10.0	-17.7	25.0
4-Methyl-2-pentanone (MIBK)	Ave	1.253	1.131		18.0	20.0	-9.8	50.0
Toluene	Ave	5.343	5.618		10.6	10.0	5.2	20.0
trans-1,3-Dichloropropene	Ave	1.309	1.022		7.81	10.0	-21.9	25.0
1,1,2-Trichloroethane	Ave	0.9285	0.9208		9.92	10.0	-0.8	25.0
Tetrachloroethene	Ave	0.8869	1.115		12.6	10.0	25.7*	25.0
1,3-Dichloropropane	Ave	1.700	1.737		10.2	10.0	2.2	50.0
2-Hexanone	Ave	0.8801	0.8100		18.4	20.0	-8.0	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Lab Sample ID: CCVIS 180-50213/2 Calibration Date: 09/29/2012 14:07

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: 6092908.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
Dibromochloromethane	Ave	0.6274	0.6689		10.7	10.0	6.6	25.0
1,2-Dibromoethane (EDB)	Ave	0.8744	0.8963		10.2	10.0	2.5	50.0
3-Chlorobenzotrifluoride	Ave	1.944	2.035		10.5	10.0	4.7	50.0
Chlorobenzene	Ave	3.202	3.461	0.3000	10.8	10.0	8.1	
4-Chlorobenzotrifluoride	Ave	1.783	1.822		10.2	10.0	2.2	50.0
1,1,1,2-Tetrachloroethane	Ave	0.8559	0.8820		10.3	10.0	3.0	50.0
Ethylbenzene	Ave	1.913	2.002		10.5	10.0	4.7	20.0
m-Xylene & p-Xylene	Ave	2.312	2.454		21.2	20.0	6.1	25.0
o-Xylene	Ave	2.271	2.302		10.1	10.0	1.4	25.0
Styrene	Ave	3.522	3.680		10.4	10.0	4.5	25.0
Bromoform	Ave	0.3317	0.3477	0.1000	10.5	10.0	4.8	
2-Chlorobenzotrifluoride	Ave	1.747	1.853		10.6	10.0	6.0	50.0
Isopropylbenzene	Ave	5.355	5.753		10.7	10.0	7.4	50.0
1,1,2,2-Tetrachloroethane	Ave	0.9623	0.8772	0.3000	9.12	10.0	-8.8	
Bromobenzene	Ave	0.9145	0.9043		9.89	10.0	-1.1	50.0
1,2,3-Trichloropropane	Ave	0.2985	0.2828		9.47	10.0	-5.3	50.0
N-Propylbenzene	Ave	1.254	1.213		9.68	10.0	-3.2	50.0
2-Chlorotoluene	Ave	1.024	0.995		9.72	10.0	-2.8	50.0
3-Chlorotoluene	Ave	1.075	1.049		9.75	10.0	-2.5	50.0
1,3,5-Trimethylbenzene	Ave	3.240	3.173		9.79	10.0	-2.1	50.0
4-Chlorotoluene	Ave	1.110	1.042		9.39	10.0	-6.1	50.0
tert-Butylbenzene	Ave	2.837	2.699		9.52	10.0	-4.8	50.0
1,2,4-Trimethylbenzene	Ave	3.172	3.144		9.91	10.0	-0.9	50.0
3,4-Dichlorobenzotrifluoride	Ave	0.8649	0.8837		10.2	10.0	2.2	50.0
sec-Butylbenzene	Ave	3.854	3.846		9.98	10.0	-0.2	50.0
1,3-Dichlorobenzene	Ave	1.618	1.684		10.4	10.0	4.1	25.0
4-Isopropyltoluene	Ave	3.124	3.128		10.0	10.0	0.1	50.0
1,4-Dichlorobenzene	Ave	1.672	1.680		10.1	10.0	0.5	25.0
2,4-Dichlorobenzotrifluoride	Ave	0.7204	0.7486		10.4	10.0	3.9	50.0
2,5-Dichlorobenzotrifluoride	Ave	0.8328	0.8635		10.4	10.0	3.7	50.0
n-Butylbenzene	Ave	2.536	2.505		9.88	10.0	-1.2	50.0
1,2-Dichlorobenzene	Ave	1.460	1.518		10.4	10.0	3.9	25.0
1,2-Dibromo-3-Chloropropane	Ave	0.1118	0.0951		8.51	10.0	-14.9	50.0
2,4- & 2,5- & 2,6-Dichlorotoluene	Ave	0.9691	1.014		31.4	30.0	4.7	
1,3,5-Trichlorobenzene	Ave	0.7670	0.8640		11.3	10.0	12.7	50.0
2,3- & 3,4- Dichlorotoluene	Ave	0.9274	1.033		22.3	20.0	11.4	
1,2,4-Trichlorobenzene	Ave	0.6546	0.7726		11.8	10.0	18.0	50.0
Hexachlorobutadiene	Ave	0.2324	0.3039		13.1	10.0	30.8	50.0
Naphthalene	Ave	1.917	1.949		10.2	10.0	1.7	50.0
1,2,3-Trichlorobenzene	Ave	0.5247	0.6078		11.6	10.0	15.8	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Lab Sample ID: CCVIS 180-50213/2 Calibration Date: 09/29/2012 14:07

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: 6092908.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
2,4,5-Trichlorotoluene	Ave	0.2577	0.2227		8.64	10.0	-13.6	50.0
2,3,6-Trichlorotoluene	Ave	0.2011	0.1871		9.30	10.0	-7.0	50.0
Dibromofluoromethane (Surr)	Ave	0.2016	0.2180		10.8	10.0	8.1	
1,2-Dichloroethane-d4 (Surr)	Ave	0.2247	0.2753		12.3	10.0	22.5	
Toluene-d8 (Surr)	Ave	4.552	4.577		10.1	10.0	0.6	
4-Bromofluorobenzene (Surr)	Ave	1.447	1.476		10.2	10.0	2.0	25.0

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6092912d.b\6092908.D
Lab Smp Id: CCVIS
Inj Date : 29-SEP-2012 14:07
Operator : 403808 Inst ID: hp6.i
Smp Info : CCVIS
Misc Info : T6092912d.b,T8260bllw.m,1-dwh2o.sub
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6092912d.b\T8260bllw.m
Meth Date : 29-Sep-2012 14:56 hp6.i Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 3 Continuing Calibration Sample
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)	434758	50.0000	
* 69 Chlorobenzene-d5	119	10.401	10.401	(1.000)	97010	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.731	12.731	(1.000)	131748	50.0000	(Q)
$ 39 Dibromofluoromethane (Surr)	113	6.556	6.556	(0.898)	94768	50.0000	54.07
$ 43 1,2-Dichloroethane-d4	65	6.927	6.927	(0.948)	119681	50.0000	61.27
$ 59 Toluene-d8	98	8.959	8.959	(0.861)	444058	50.0000	50.51
$ 80 Bromofluorobenzene (Surr)	95	11.569	11.569	(1.112)	143215	50.0000	51.01
1 Dichlorodifluoromethane	85	1.592	1.592	(0.218)	141696	50.0000	64.31
2 Chloromethane	50	1.757	1.757	(0.241)	187546	50.0000	55.39
3 Vinyl Chloride	62	1.890	1.890	(0.259)	151121	50.0000	56.78
4 Bromomethane	94	2.249	2.249	(0.308)	58333	50.0000	70.68
5 Chloroethane	64	2.383	2.383	(0.326)	82358	50.0000	74.00
6 Trichlorofluoromethane	101	2.712	2.712	(0.371)	166142	50.0000	62.49
10 1,1,2-trichloro-1,2,2-trifluor	101	3.436	3.436	(0.470)	116540	50.0000	55.14
12 1,1-Dichloroethene	96	3.393	3.393	(0.465)	119952	50.0000	52.92
15 Carbon Disulfide	76	3.673	3.673	(0.503)	283089	50.0000	52.29
13 Acetone	43	3.509	3.509	(0.480)	84308	100.000	148.3
17 Acetonitrile	40	3.940	3.940	(0.539)	138717	1000.00	1178
18 Methylene Chloride	84	4.166	4.166	(0.570)	124095	50.0000	50.86
19 trans-1,2-Dichloroethene	96	4.591	4.591	(0.629)	120534	50.0000	51.20
20 Methyl tert-butyl ether	73	4.616	4.616	(0.632)	238605	50.0000	40.07
24 1,1-Dichloroethane	63	5.200	5.200	(0.712)	235578	50.0000	56.07
27 2,2-Dichloropropane	77	5.960	5.960	(0.816)	76802	50.0000	37.51
28 cis-1,2-dichloroethene	96	5.966	5.966	(0.817)	143437	50.0000	55.39
M 29 1,2-Dichloroethene (total)	96				263971	100.000	106.6
30 Bromochloromethane	128	6.252	6.252	(0.856)	54247	50.0000	52.28
31 2-Butanone	43	6.015	6.015	(0.823)	114326	100.000	111.4
37 Chloroform	83	6.368	6.368	(0.872)	179969	50.0000	53.20

	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	6.562	(0.898)	132362	50.0000	48.36
	40 1,1-Dichloropropene	75	6.751	6.751	(0.924)	177248	50.0000	53.71
	41 Carbon Tetrachloride	117	6.751	6.751	(0.924)	105869	50.0000	49.76
	42 Benzene	78	6.988	6.988	(0.957)	519070	50.0000	52.98
	45 1,2-Dichloroethane	62	7.019	7.019	(0.961)	151767	50.0000	58.36
	47 Trichloroethene	130	7.694	7.694	(1.053)	134526	50.0000	55.64
	49 1,2-Dichloropropane	63	7.937	7.937	(1.087)	130850	50.0000	56.51
	50 Dibromomethane	93	8.059	8.059	(1.103)	59089	50.0000	51.53
	53 Bromodichloromethane	83	8.229	8.229	(1.127)	108630	50.0000	52.82
	57 cis-1,3-Dichloropropene	75	8.692	8.692	(1.190)	120820	50.0000	41.14
	58 4-Methyl-2-Pentanone	43	8.856	8.856	(0.851)	219437	100.000	90.25
	60 Toluene	91	9.026	9.026	(0.868)	545005	50.0000	53.01
	61 trans-1,3-Dichloropropene	75	9.251	9.251	(0.889)	99172	50.0000	39.05
	63 1,3-Dichloropropane	76	9.604	9.604	(0.923)	168480	50.0000	51.08
	64 1,1,2-Trichloroethane	97	9.434	9.434	(0.907)	89331	50.0000	49.59
	65 Tetrachloroethene	164	9.574	9.574	(0.920)	108168	50.0000	62.86
	66 2-Hexanone	43	9.689	9.689	(0.932)	157161	100.000	92.04
	67 Dibromochloromethane	129	9.829	9.829	(0.945)	64890	50.0000	53.31
	68 1,2-Dibromoethane	107	9.939	9.939	(0.956)	86948	50.0000	51.25
	70 Chlorobenzene	112	10.432	10.432	(1.003)	335760	50.0000	54.05
	71 1,1,1,2-Tetrachloroethane	131	10.511	10.511	(1.011)	85565	50.0000	51.52
	72 Ethylbenzene	106	10.541	10.541	(1.013)	194214	50.0000	52.33
	73 m + p-Xylene	106	10.657	10.657	(1.025)	476156	100.000	106.1
	74 Xylene-o	106	11.052	11.052	(1.063)	223335	50.0000	50.70
M	75 Xylenes (total)	106				699491	150.000	156.8
	76 Styrene	104	11.064	11.064	(1.064)	357022	50.0000	52.25
	77 Bromoform	173	11.253	11.253	(1.082)	33727	50.0000	52.41
	78 Isopropylbenzene	105	11.417	11.417	(1.098)	558136	50.0000	53.72
	79 Bromobenzene	156	11.721	11.721	(0.921)	119144	50.0000	49.44
	81 n-Propylbenzene	120	11.825	11.825	(0.929)	159852	50.0000	48.40
	82 2-Chlorotoluene	126	11.916	11.916	(0.936)	131117	50.0000	48.59
	83 1,1,2,2-Tetrachloroethane	83	11.715	11.715	(0.920)	115567	50.0000	45.58
	84 1,2,3-Trichloropropane	110	11.764	11.764	(0.924)	37261	50.0000	47.37
	85 4-Chlorotoluene	126	12.025	12.025	(0.945)	137320	50.0000	46.94
	86 1,3,5-Trimethylbenzene	105	12.001	12.001	(0.943)	418022	50.0000	48.97
	87 tert-Butylbenzene	119	12.330	12.330	(0.968)	355600	50.0000	47.58
	88 1,2,4-Trimethylbenzene	105	12.378	12.378	(0.972)	414223	50.0000	49.56
	89 sec-Butylbenzene	105	12.549	12.549	(0.986)	506650	50.0000	49.89
	90 4-Isopropyltoluene	119	12.695	12.695	(0.997)	412147	50.0000	50.07
	91 1,3-Dichlorobenzene	146	12.664	12.664	(0.995)	221836	50.0000	52.04
	93 1,4-Dichlorobenzene	146	12.755	12.755	(1.002)	221377	50.0000	50.25
	94 n-Butylbenzene	91	13.102	13.102	(1.029)	329970	50.0000	49.38
	95 1,2-Dichlorobenzene	146	13.127	13.127	(1.031)	199934	50.0000	51.96
	96 1,2-Dibromo-3-chloropropane	157	13.905	13.905	(1.092)	12535	50.0000	42.54
	97 1,2,4-Trichlorobenzene	180	14.745	14.745	(1.158)	101788	50.0000	59.02
	98 Hexachlorobutadiene	225	14.909	14.909	(1.171)	40043	50.0000	65.40
	99 Naphthalene	128	14.994	14.994	(1.178)	256836	50.0000	50.84
	100 1,2,3-Trichlorobenzene	180	15.237	15.237	(1.197)	80078	50.0000	57.91
	156 Methyl Acetate	43	4.044	4.044	(0.554)	85859	50.0000	47.17
	157 Cyclohexane	56	6.617	6.617	(0.906)	262725	50.0000	49.38
	158 Methyl Cyclohexane	83	7.889	7.889	(1.080)	213253	50.0000	49.74
	160 1,3,5-Trichlorobenzene	180	14.118	14.118	(1.109)	113836	50.0000	56.33
	168 3-Chlorobenzotrifluoride	180	10.407	10.407	(1.001)	197389	50.0000	52.33
	169 4-Chlorobenzotrifluoride	180	10.462	10.462	(1.006)	176784	50.0000	51.10

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)	179726	50.0000	53.02
171 3-Chlorotoluene	126	11.977	11.977	(0.941)	138152	50.0000	48.76
172 3,4-Dichlorobenzotrifluoride	214	12.445	12.445	(0.978)	116424	50.0000	51.08
173 2,4-Dichlorobenzotrifluoride	214	12.798	12.798	(1.005)	98623	50.0000	51.96
174 2,5-Dichlorobenzotrifluoride	214	12.853	12.853	(1.010)	113769	50.0000	51.84
175 Dichlorotoluene(2,4/2,5/2,6)	125	14.051	14.051	(1.104)	400882	150.000	157.0
176 Dichlorotoluene(2,3/3,4)	125	14.471	14.471	(1.137)	272267	100.000	111.4
177 2,4,5-Trichlorotoluene	159	16.113	16.113	(1.266)	29341	50.0000	43.20
178 2,3,6-Trichlorotoluene	159	16.235	16.235	(1.275)	24655	50.0000	46.52

QC Flag Legend

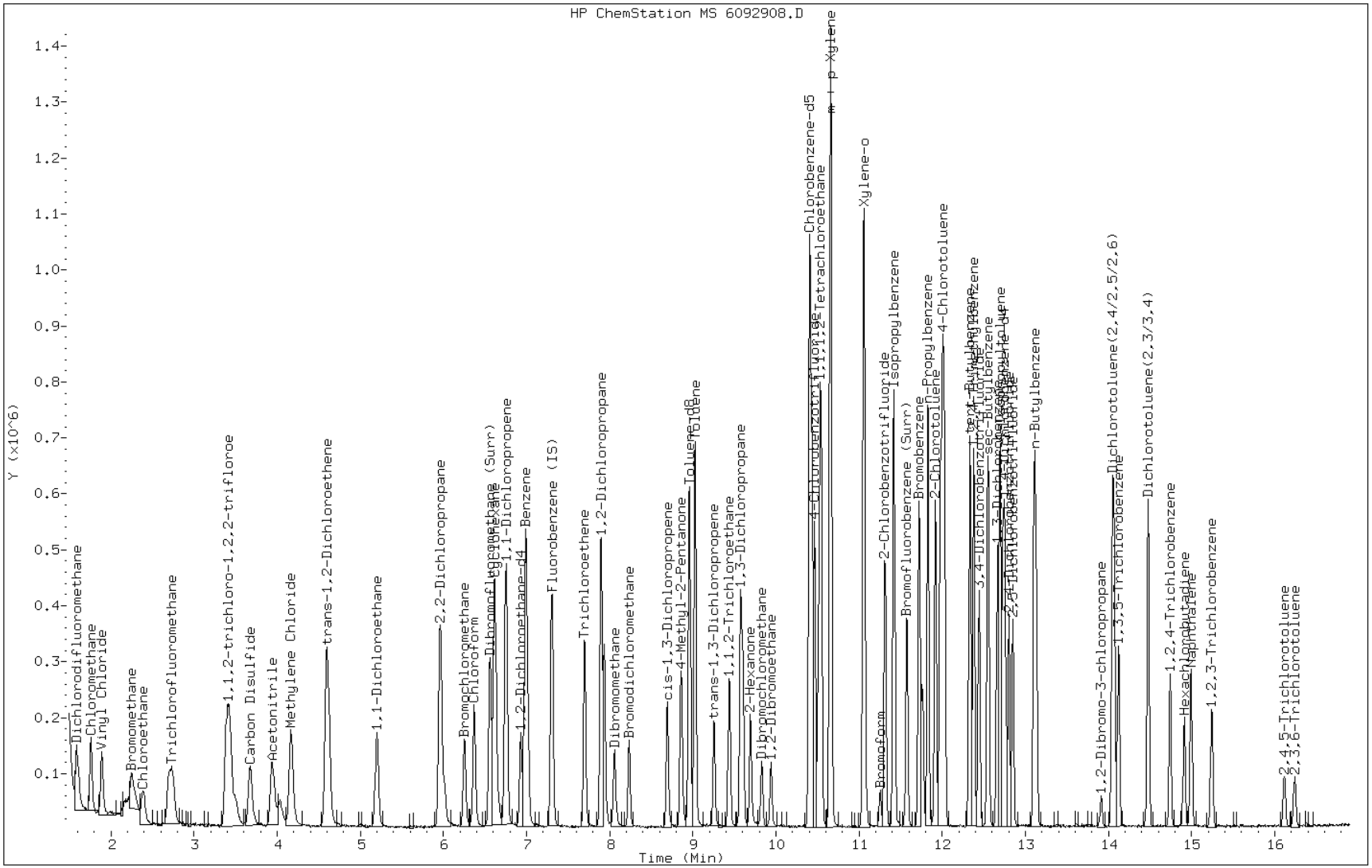
Q - Qualifier signal failed the ratio test.

Data File: 6092908.D

Date: 29-SEP-2012 14:07

Client ID: Instrument: hp6.i

Sample Info: CCVIS Operator: 403808



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Lab Sample ID: CCV 180-50213/3 Calibration Date: 09/29/2012 14:31

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: 6092909.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	0.0287		33.9	30.0	13.0	50.0
Iodomethane	Ave	0.3278	0.3315		10.1	10.0	1.1	50.0
Allyl chloride	Ave	0.1380	0.1163		8.42	10.0	-15.8	50.0
Acrylonitrile	Ave	0.1082	0.1110		30.8	30.0	2.6	50.0
Vinyl acetate	Ave	0.4587	0.4356		9.50	10.0	-5.0	50.0
Chloroprene	Ave	0.4752	0.4965		10.4	10.0	4.5	50.0
Propionitrile	Ave	0.0381	0.0349		18.3	20.0	-8.4	50.0
Methacrylonitrile	Ave	0.1609	0.1426		8.87	10.0	-11.3	50.0
Isobutyl alcohol	Ave	0.0068	0.0068		397	400	-0.9	50.0
Methyl methacrylate	Ave	0.2004	0.2110		10.5	10.0	5.3	50.0
1,4-Dioxane	Ave	0.0023	0.0021		1830	2000	-8.7	50.0
2-Chloroethyl vinyl ether	Ave	0.1469	0.1388		18.9	20.0	-5.6	50.0
Ethyl methacrylate	Ave	1.324	1.190		8.99	10.0	-10.1	50.0
trans-1,4-Dichloro-2-butene	Ave	0.2558	0.2093		8.18	10.0	-18.2	50.0

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6092912d.b\6092909.D
Lab Smp Id: CCV
Inj Date : 29-SEP-2012 14:31
Operator : 403808 Inst ID: hp6.i
Smp Info : CCV, Appix
Misc Info : T6092912d.b,T8260bllw.m,1-appix.sub
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6092912d.b\T8260bllw.m
Meth Date : 29-Sep-2012 14:55 hp6.i Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 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	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 46 Fluorobenzene (IS)	96	7.304	7.304	(1.000)	442659	50.0000	
35 Tetrahydrofuran	42	6.318	6.318	(0.865)	39124	59.5040	59.50
48 n-Butanol	56	7.687	7.687	(1.052)	58762	1937.74	1938
* 69 Chlorobenzene-d5	119	10.400	10.400	(1.000)	92178	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.730	12.730	(1.000)	115815	50.0000	(Q)
11 Acrolein	56	3.270	3.270	(0.448)	38076	169.536	169.5
14 Iodomethane	142	3.599	3.599	(0.493)	146723	50.5643	50.56
22 Acrylonitrile	53	4.578	4.578	(0.627)	147445	153.874	153.9
16 3-Chloro-1-propene	76	3.976	3.976	(0.544)	51471	42.1161	42.12(Q)
26 2-Chloro-1,3-butadiene	53	5.327	5.327	(0.729)	219778	52.2452	52.24
32 Vinyl Acetate	43	5.320	5.320	(0.728)	192817	47.4851	47.48
34 Propionitrile	54	6.081	6.081	(0.833)	30917	91.5733	91.57
36 Methacrylonitrile	41	6.269	6.269	(0.858)	63139	44.3309	44.33
44 Isobutanol	41	6.969	6.969	(0.954)	119973	1982.90	1983(M)
51 Methyl methacrylate	41	8.076	8.076	(1.106)	93418	52.6503	52.65
52 1,4-Dioxane	88	8.088	8.088	(1.107)	186758	9127.68	9128(M)
56 2-Chloroethyl vinyl ether	63	8.551	8.551	(1.171)	122837	94.4432	94.44
179 Ethyl methacrylate	69	9.348	9.348	(0.899)	109647	44.9381	44.94
159 trans-1,4-Dichloro-2-butene	53	11.775	11.775	(0.925)	24244	40.9240	40.92

QC Flag Legend

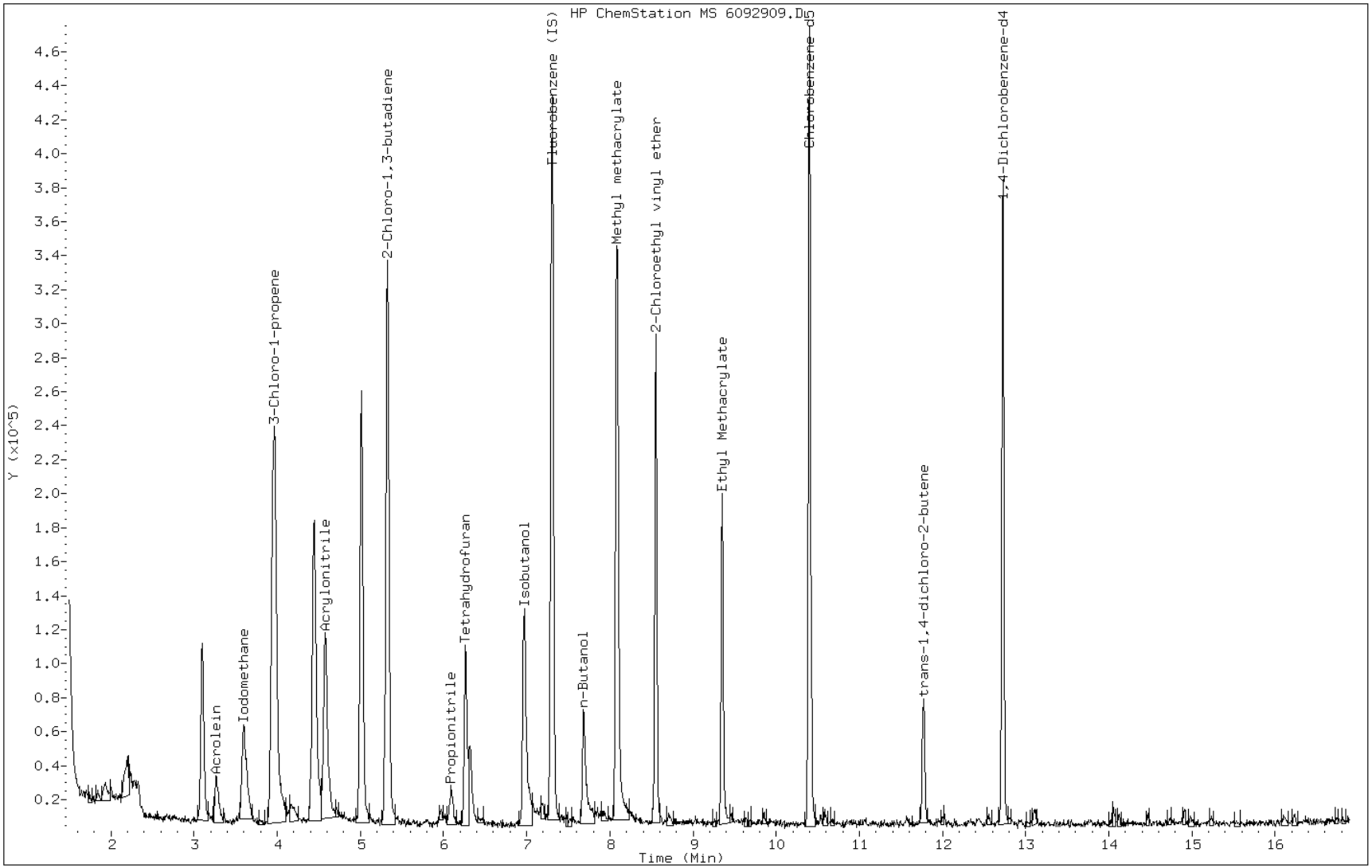
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: 6092909.D

Date: 29-SEP-2012 14:31

Client ID: Instrument: hp6.i

Sample Info: CCV, Appix Operator: 403808



Manual Integration Report

Data File: 6092909.D
Inj. Date and Time: 29-SEP-2012 14:31
Instrument ID: hp6.i
Client ID:
Compound: 44 Isobutanol
CAS #: 78-83-1
Report Date: 09/29/2012

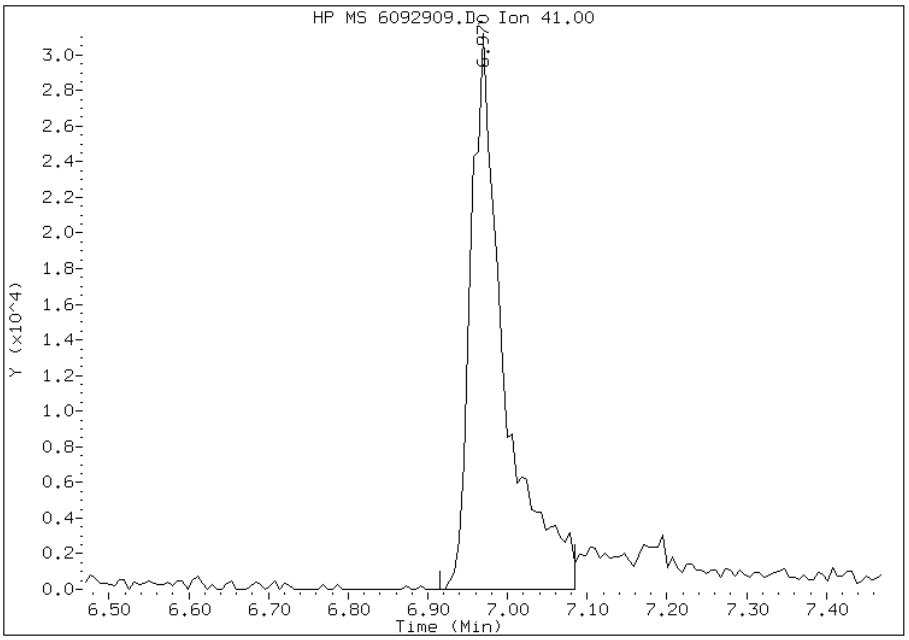
Processing Integration Results

RT: 6.97

Response: 92643

Amount: 1531

Conc: 1531



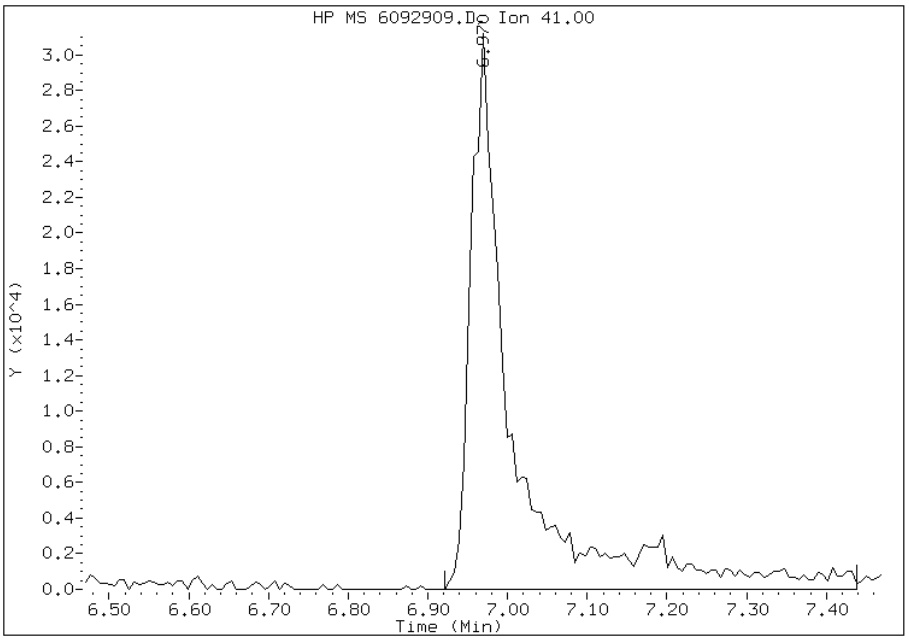
Manual Integration Results

RT: 6.97

Response: 119973

Amount: 1983

Conc: 1983



Manually Integrated By: lipayj
Modification Date: 29-Sep-2012 14:55
Manual Integration Reason: Peak Integrated Incorrectly

Manual Integration Report

Data File: 6092909.D
Inj. Date and Time: 29-SEP-2012 14:31
Instrument ID: hp6.i
Client ID:
Compound: 52 1,4-Dioxane
CAS #: 123-91-1
Report Date: 09/29/2012

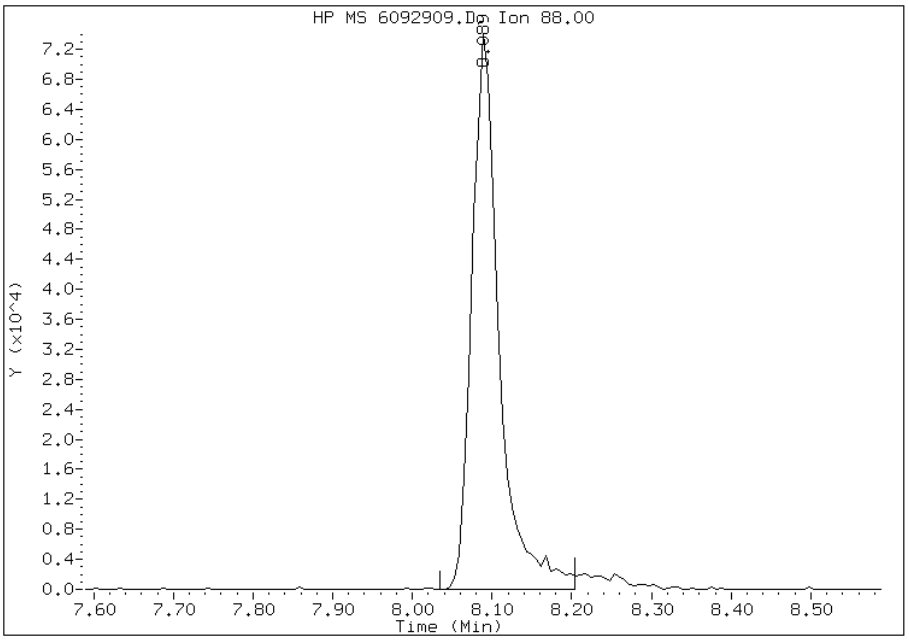
Processing Integration Results

RT: 8.09

Response: 179342

Amount: 8765

Conc: 8765



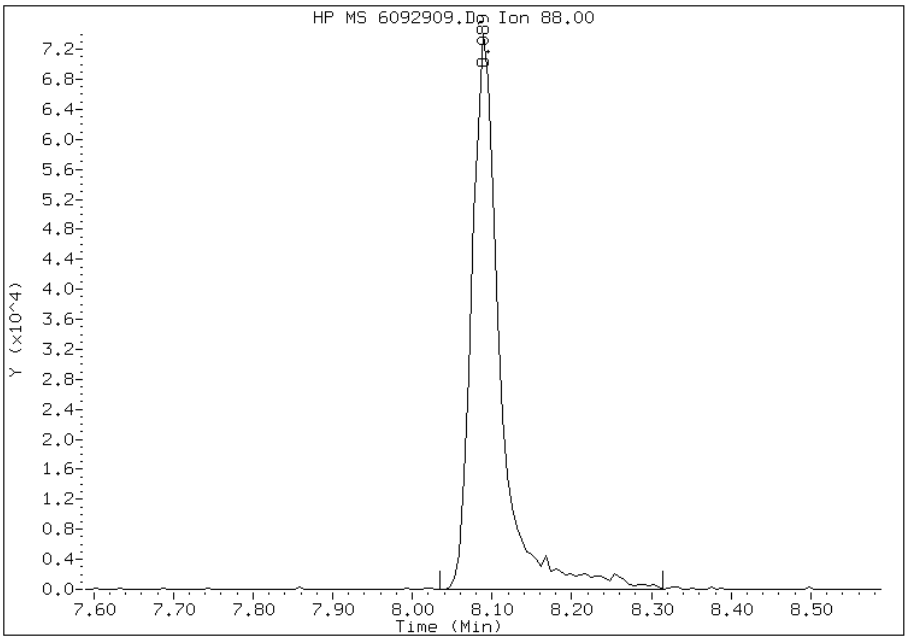
Manual Integration Results

RT: 8.09

Response: 186758

Amount: 9128

Conc: 9128



Manually Integrated By: lipayj
Modification Date: 29-Sep-2012 14:54
Manual Integration Reason: Peak Integrated Incorrectly

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Lab Sample ID: CCV 180-50213/3 Calibration Date: 09/29/2012 14:31

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: 6092909.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	0.0884		11.9	10.0	19.0	50.0
n-Butanol	Ave	0.0034	0.0033		388	400	-3.1	50.0

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6092912d.b\6092909.D
Lab Smp Id: CCV
Inj Date : 29-SEP-2012 14:31
Operator : 403808 Inst ID: hp6.i
Smp Info : CCV, Appix
Misc Info : T6092912d.b,T8260bllw.m,1-appix.sub
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6092912d.b\T8260bllw.m
Meth Date : 29-Sep-2012 14:55 hp6.i Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 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	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 46 Fluorobenzene (IS)	96	7.304	7.304	(1.000)	442659	50.0000	
35 Tetrahydrofuran	42	6.318	6.318	(0.865)	39124	59.5040	59.50
48 n-Butanol	56	7.687	7.687	(1.052)	58762	1937.74	1938
* 69 Chlorobenzene-d5	119	10.400	10.400	(1.000)	92178	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.730	12.730	(1.000)	115815	50.0000	(Q)
11 Acrolein	56	3.270	3.270	(0.448)	38076	169.536	169.5
14 Iodomethane	142	3.599	3.599	(0.493)	146723	50.5643	50.56
22 Acrylonitrile	53	4.578	4.578	(0.627)	147445	153.874	153.9
16 3-Chloro-1-propene	76	3.976	3.976	(0.544)	51471	42.1161	42.12(Q)
26 2-Chloro-1,3-butadiene	53	5.327	5.327	(0.729)	219778	52.2452	52.24
32 Vinyl Acetate	43	5.320	5.320	(0.728)	192817	47.4851	47.48
34 Propionitrile	54	6.081	6.081	(0.833)	30917	91.5733	91.57
36 Methacrylonitrile	41	6.269	6.269	(0.858)	63139	44.3309	44.33
44 Isobutanol	41	6.969	6.969	(0.954)	119973	1982.90	1983(M)
51 Methyl methacrylate	41	8.076	8.076	(1.106)	93418	52.6503	52.65
52 1,4-Dioxane	88	8.088	8.088	(1.107)	186758	9127.68	9128(M)
56 2-Chloroethyl vinyl ether	63	8.551	8.551	(1.171)	122837	94.4432	94.44
179 Ethyl methacrylate	69	9.348	9.348	(0.899)	109647	44.9381	44.94
159 trans-1,4-Dichloro-2-butene	53	11.775	11.775	(0.925)	24244	40.9240	40.92

QC Flag Legend

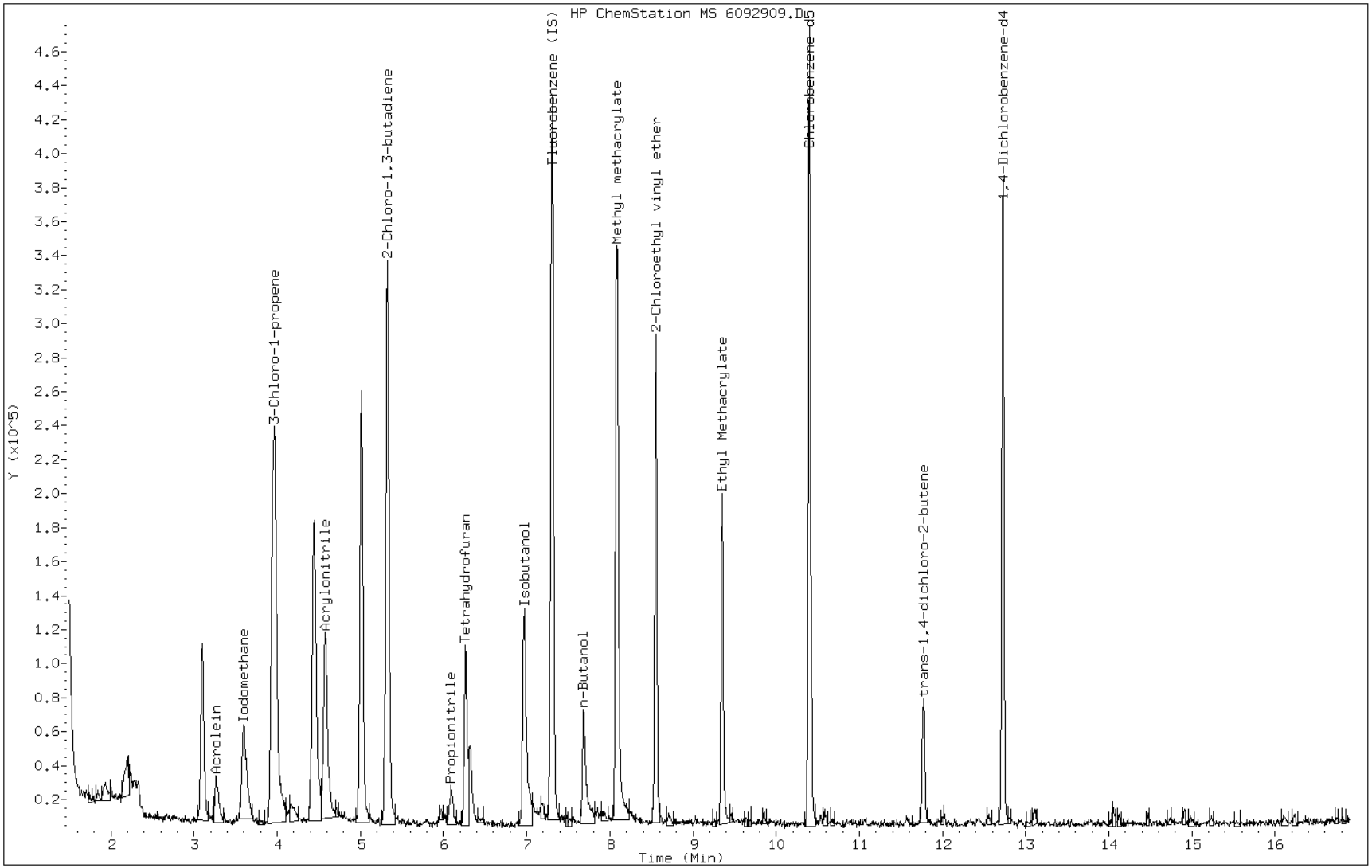
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: 6092909.D

Date: 29-SEP-2012 14:31

Client ID: Instrument: hp6.i

Sample Info: CCV, Appix Operator: 403808



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)	CONCENTRATIONS 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

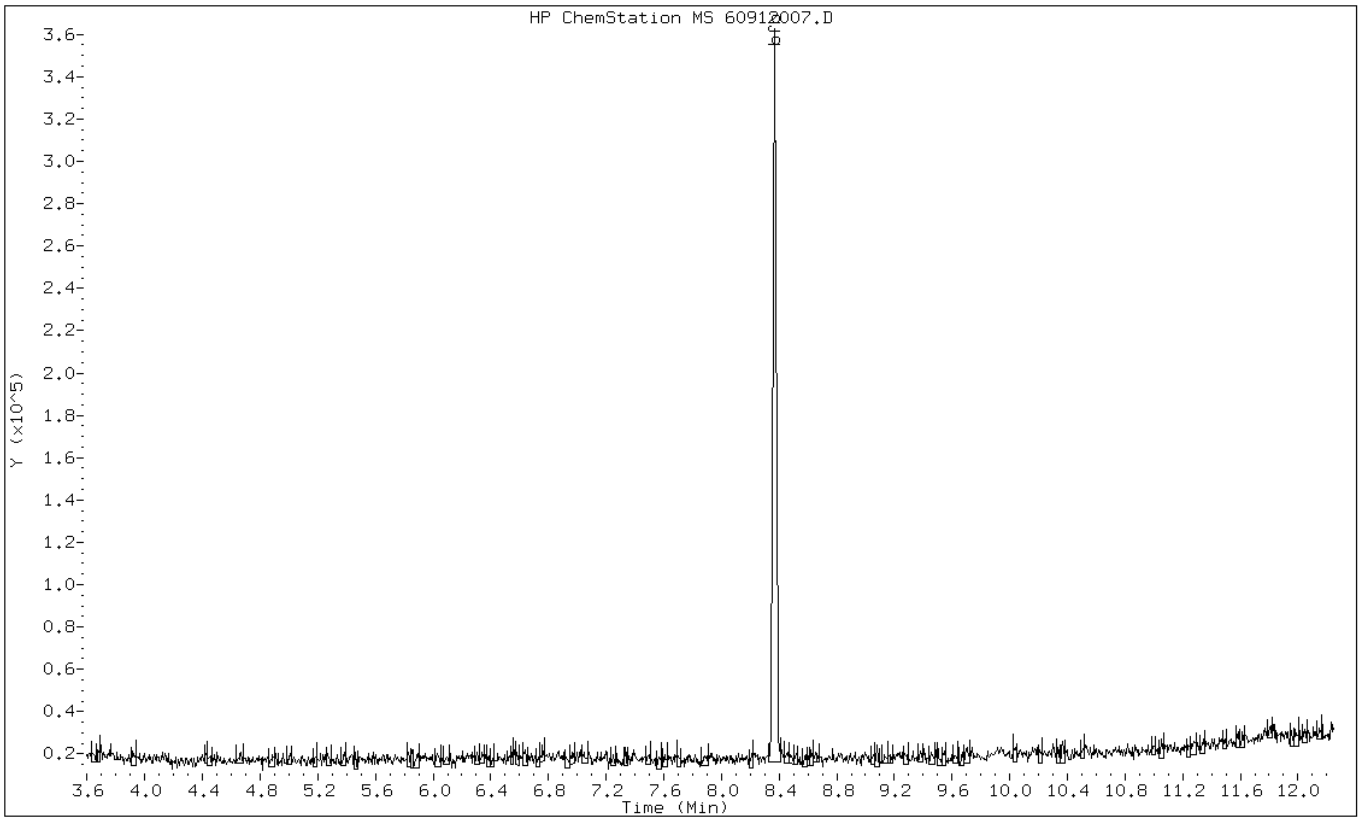
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: 60912007.D

Date: 12-SEP-2012 13:35

Client ID: 31019D | Instrument: hp6.i

Sample Info: BFB | Operator: 001562



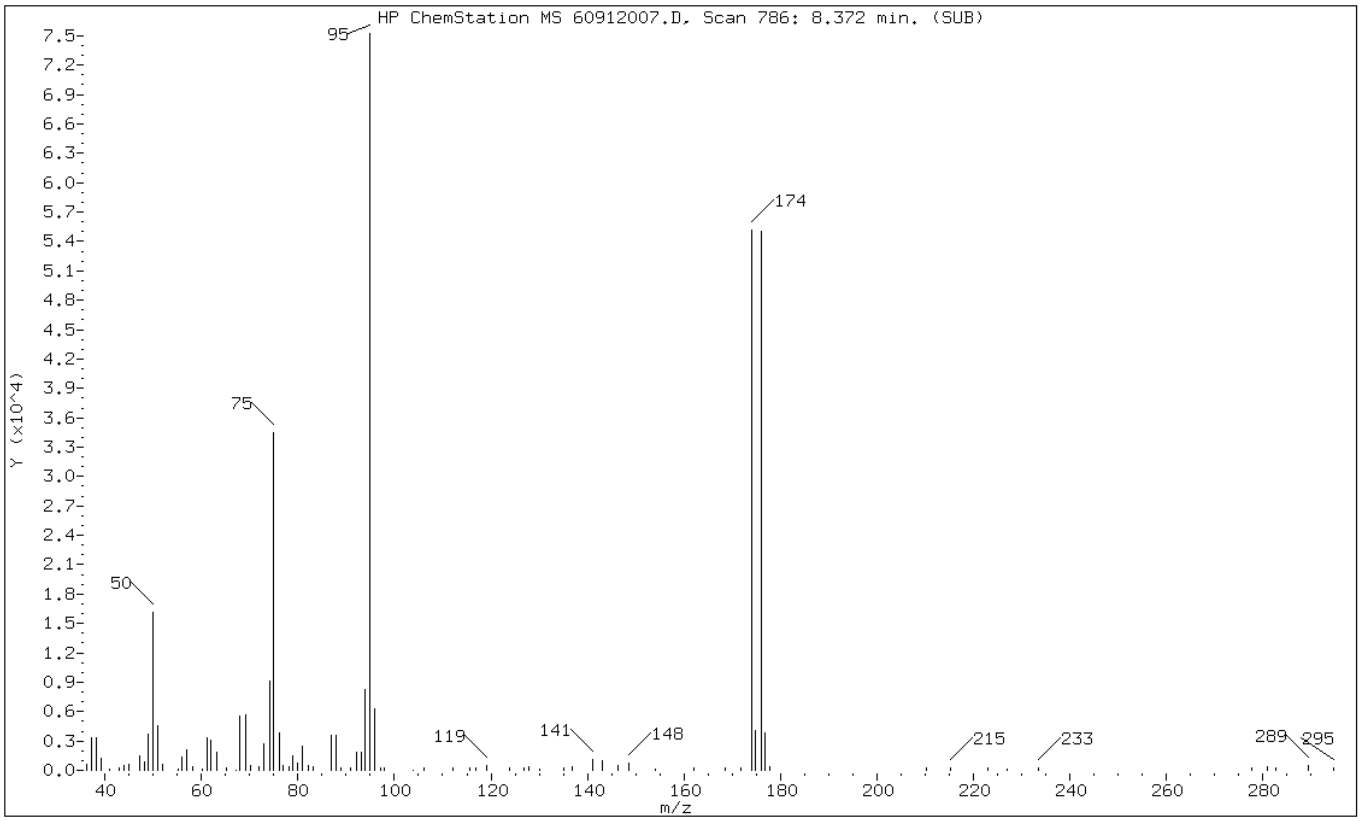
Data File: 60912007.D

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

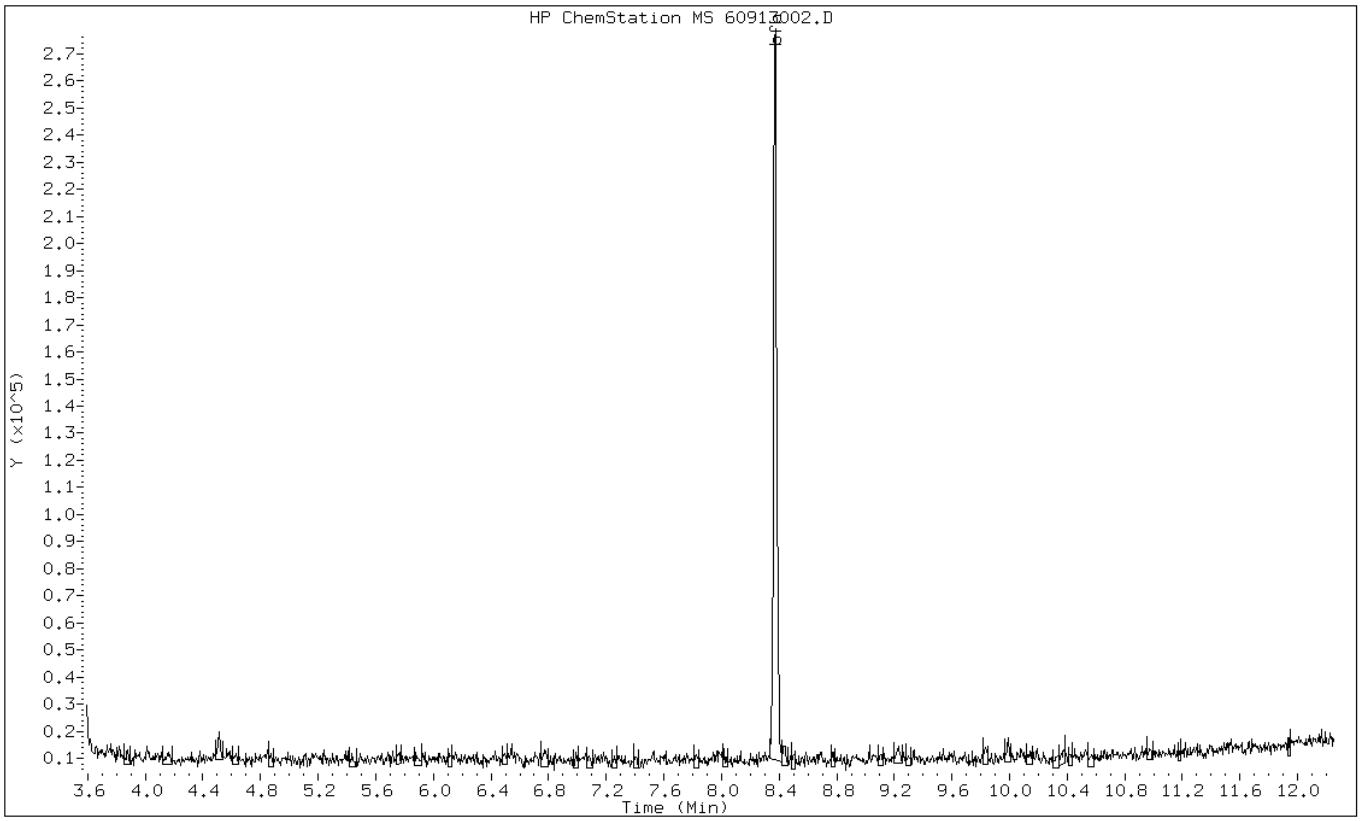
Date: 13-SEP-2012 08:04

Client ID: 31019D

Instrument: hp6.i

Sample Info: BFB

Operator: 001562



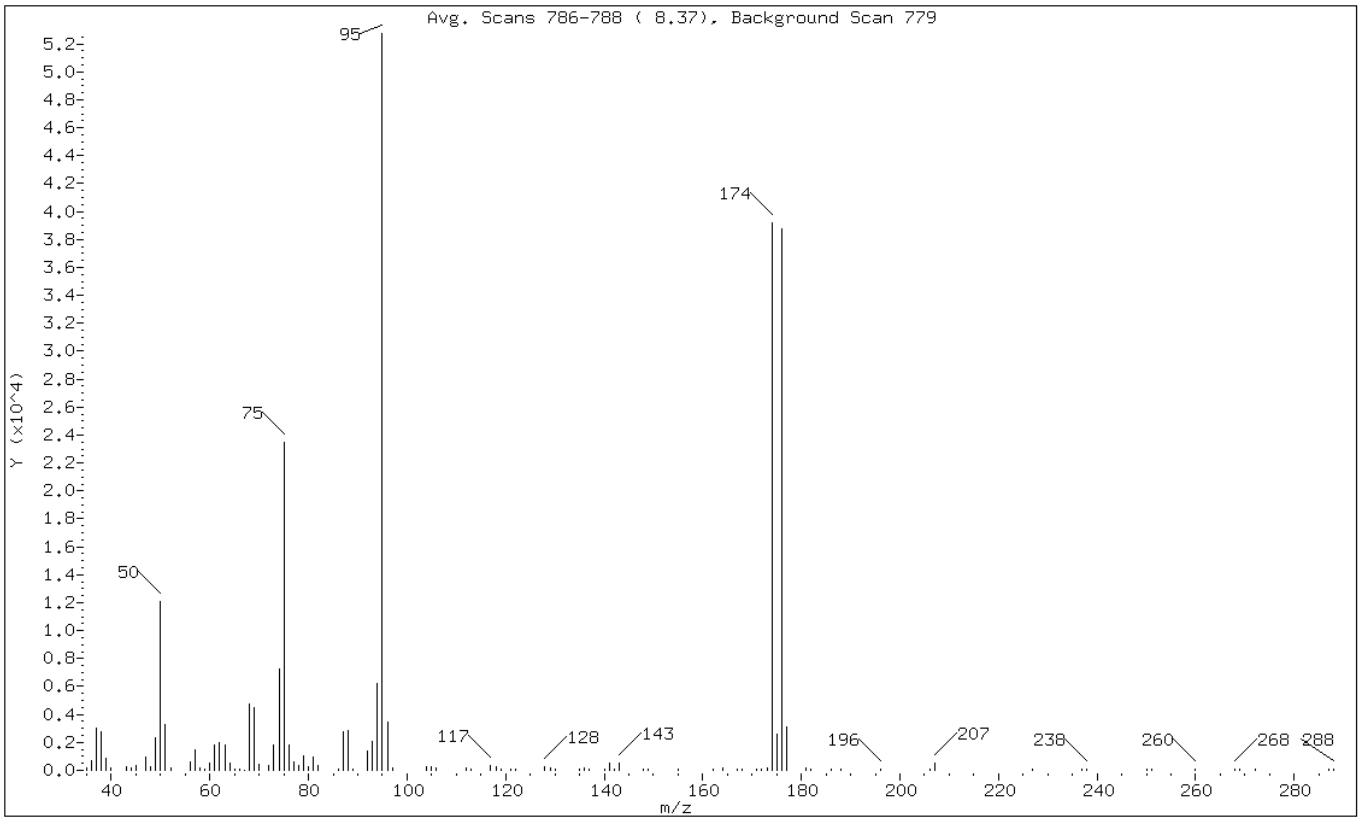
Data File: 60913002.D

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

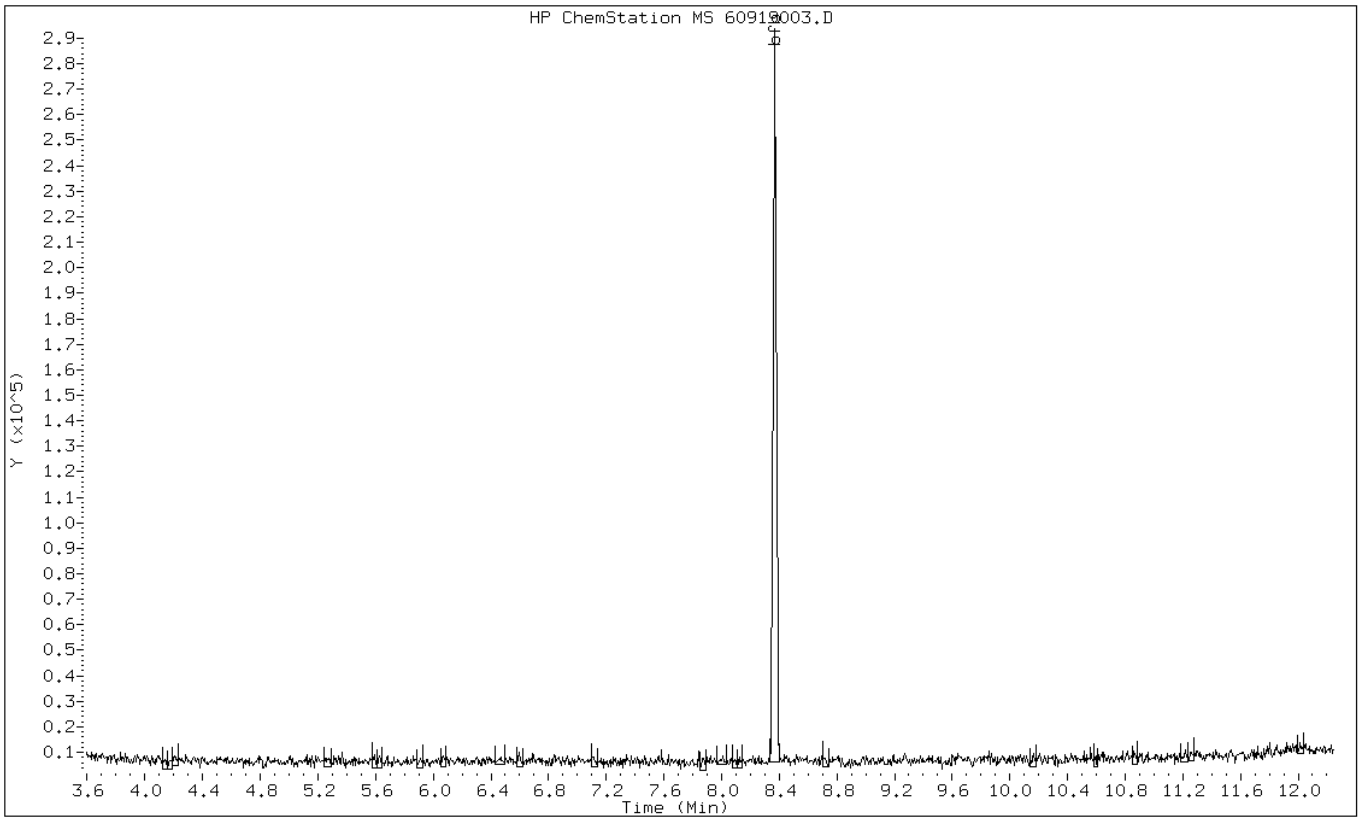
RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
8.371	8.372	-0.001	95	52224			100.00- 100.00	100.00
8.371	8.372	-0.001	50	10125			15.00- 40.00	19.39
8.371	8.372	-0.001	75	24208			30.00- 60.00	46.35
8.371	8.372	-0.001	96	4155			5.00- 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



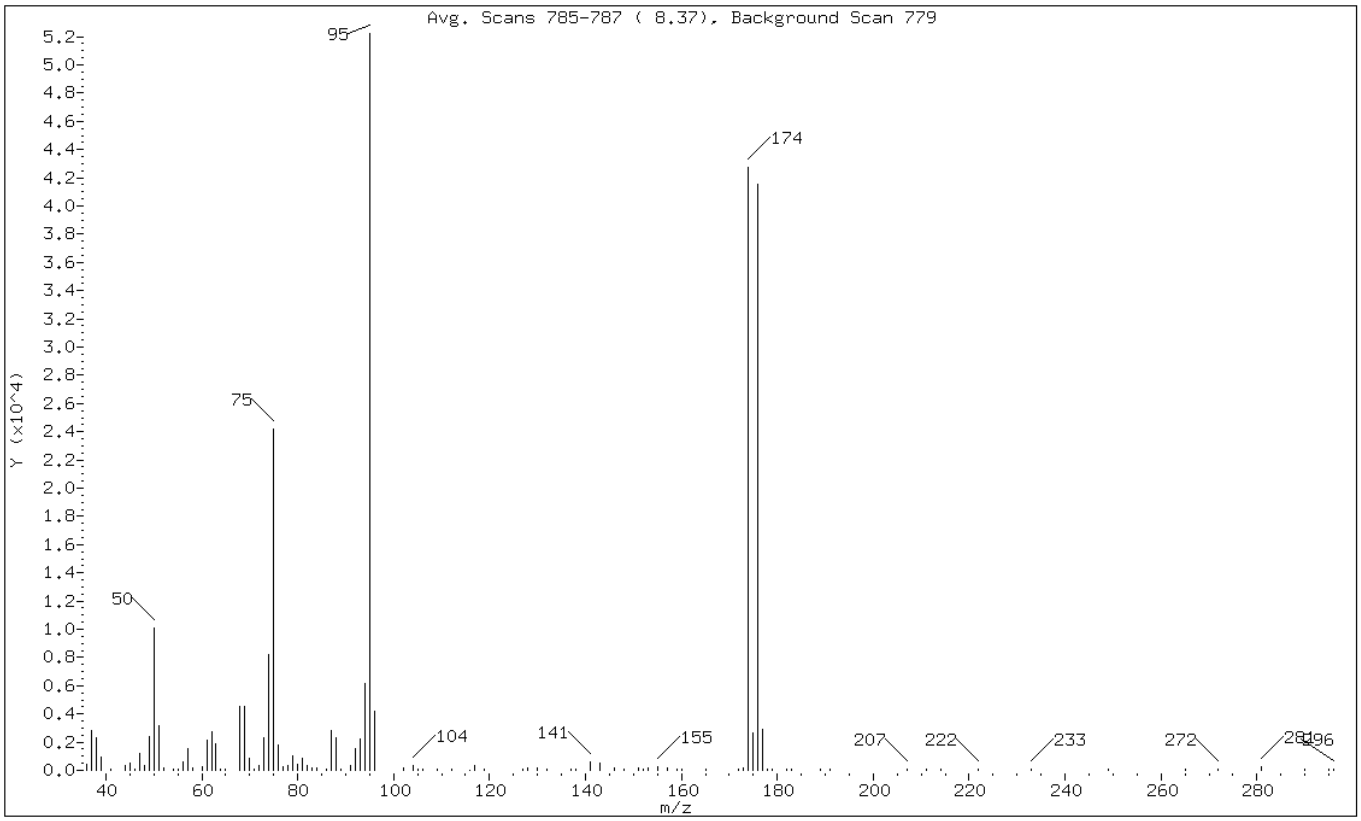
Data File: 60919003.D

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\T6092912d.b\6092907.D
Lab Smp Id: BFB Client Smp ID: 31019D
Inj Date : 29-SEP-2012 13:34
Operator : 403808 Inst ID: hp6.i
Smp Info : BFB
Misc Info : T6092912d.b,TBFBbllw.m,
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6092912d.b\TBFBbllw.m
Meth Date : 12-Sep-2012 21:09 lipayj Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 6 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	53912			100.00- 100.00	100.00
8.375	8.372	0.003	50	11806			15.00- 40.00	21.90
8.375	8.372	0.003	75	25568			30.00- 60.00	47.43
8.375	8.372	0.003	96	3031			5.00- 9.00	5.62
8.375	8.372	0.003	173	622			0.00- 2.00	1.43
8.375	8.372	0.003	174	43624			50.00- 100.00	80.92
8.375	8.372	0.003	175	2919			5.00- 9.00	6.69
8.375	8.372	0.003	176	43256			95.00- 101.00	99.16
8.375	8.372	0.003	177	2528			5.00- 9.00	5.84

Data File: 6092907.D

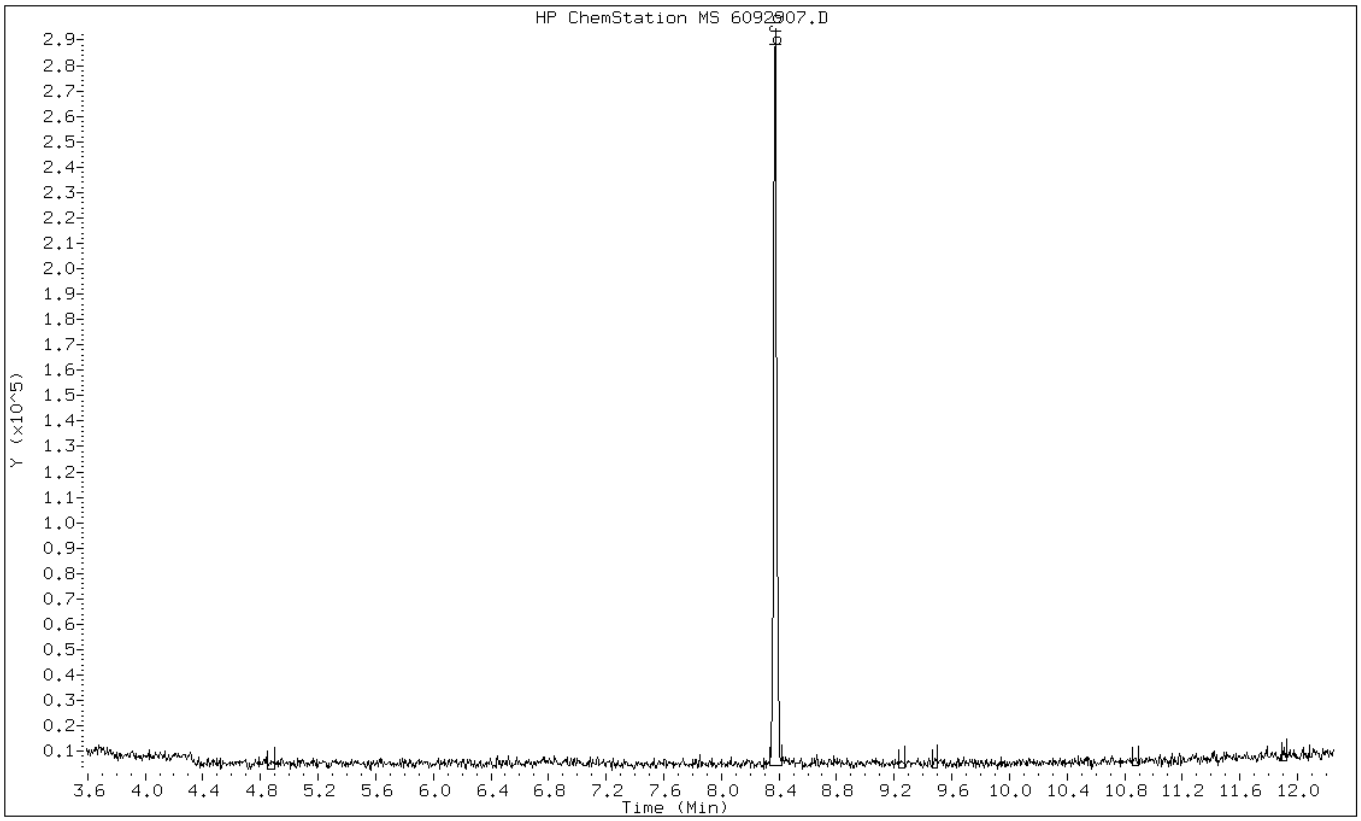
Date: 29-SEP-2012 13:34

Client ID: 31019D

Instrument: hp6.i

Sample Info: BFB

Operator: 403808



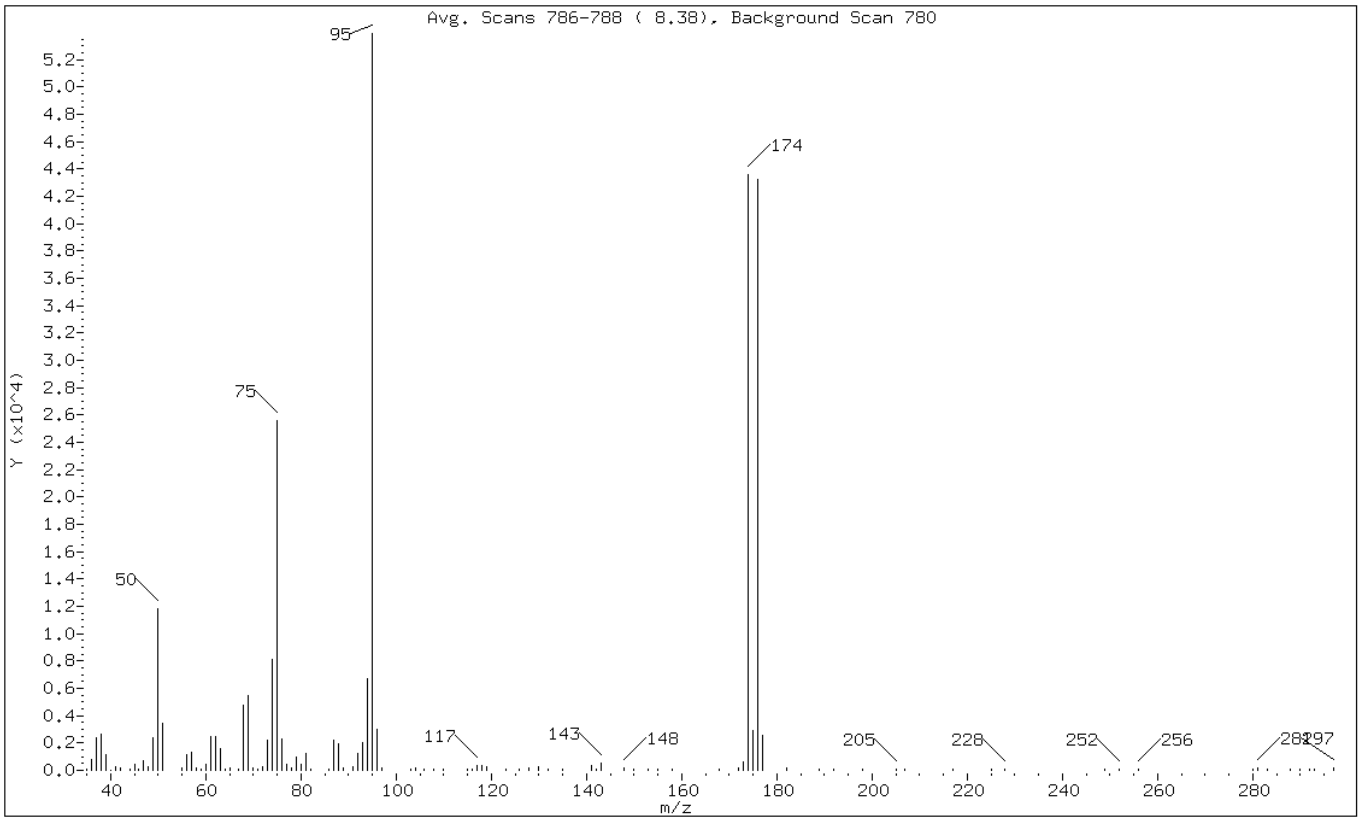
Data File: 6092907.D

Date: 29-SEP-2012 13:34

Client ID: 31019D Instrument: hp6.i

Sample Info: BFB Operator: 403808

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	21.90
75	30.00 - 60.00% of mass 95	47.43
96	5.00 - 9.00% of mass 95	5.62
173	Less than 2.00% of mass 174	1.15 (1.43)
174	50.00 - 100.00% of mass 95	80.92
175	5.00 - 9.00% of mass 174	5.41 (6.69)
176	95.00 - 101.00% of mass 174	80.23 (99.16)
177	5.00 - 9.00% of mass 176	4.69 (5.84)

Data File: 6092907.D

Date: 29-SEP-2012 13:34

Client ID: 31019D Instrument: hp6.i

Sample Info: BFB Operator: 403808

Data File: \\pitsvr06\d\chem\hp6.i\T6092912d.b\6092907.D
Spectrum: Avg. Scans 786-788 (8.38), Background Scan 780
Location of Maximum: 95.00
Number of points: 105

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	72	67.00	118	103.00	74	174.00	43624
36.00	790	68.00	4728	104.00	183	175.00	2919
37.00	2372	69.00	5448	106.00	101	176.00	43256
38.00	2610	70.00	197	108.00	121	177.00	2528
39.00	1163	71.00	80	110.00	90	182.00	191
40.00	23	72.00	255	115.00	112	189.00	71
41.00	249	73.00	2182	116.00	90	192.00	87
42.00	202	74.00	8158	117.00	391	198.00	106
44.00	73	75.00	25568	118.00	361	205.00	130
45.00	439	76.00	2261	119.00	282	207.00	103
46.00	78	77.00	426	123.00	72	217.00	76
47.00	738	78.00	146	126.00	67	225.00	80
48.00	255	79.00	971	128.00	142	228.00	83
49.00	2400	80.00	429	130.00	227	249.00	67
50.00	11806	81.00	1248	132.00	73	252.00	68
51.00	3446	82.00	80	135.00	69	256.00	68
55.00	209	86.00	76	141.00	388	280.00	122
56.00	1131	87.00	2194	142.00	80	281.00	160
57.00	1326	88.00	1968	143.00	495	283.00	81
58.00	166	89.00	182	148.00	133	288.00	69
59.00	88	91.00	271	150.00	111	290.00	70
60.00	401	92.00	1256	153.00	132	292.00	75
61.00	2497	93.00	2069	155.00	109	293.00	69
62.00	2465	94.00	6713	158.00	67	297.00	155
63.00	1631	95.00	53912	168.00	76		
64.00	89	96.00	3031	172.00	156		
65.00	193	97.00	143	173.00	622		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14654-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 180-50213/4

Matrix: Water | Lab File ID: 6092910.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/29/2012 14:56

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.: 50213 | 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.: 180-14654-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 180-50213/4
Matrix: Water
Lab File ID: 6092910.D
Analysis Method: 8260B
Date Collected:
Sample wt/vol: 5(mL)
Date Analyzed: 09/29/2012 14:56
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.: 50213
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	53.1	J	200	34

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	124		64-135
2037-26-5	Toluene-d8 (Surr)	84		71-118
460-00-4	4-Bromofluorobenzene (Surr)	91		70-118
1868-53-7	Dibromofluoromethane (Surr)	102		70-128

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

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 180-50213/4

Matrix: Water Lab File ID: 6092910.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/29/2012 14:56

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.: 50213 Units: ug/L

Number TICs Found: 1 TIC Result Total: 0.778

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	
109-99-9	Tetrahydrofuran	6.34	0.778	J

FORM I-TIC 8260B

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6092912d.b\6092910.D
Lab Smp Id: MB
Inj Date : 29-SEP-2012 14:56
Operator : 403808 Inst ID: hp6.i
Smp Info : MB
Misc Info : T6092912d.b,T8260bllw.m,1-full2.sub
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6092912d.b\T8260bllw.m
Meth Date : 29-Sep-2012 14:57 lipayj Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 51
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-full2.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)	496147	50.0000	
* 69 Chlorobenzene-d5	119	10.406	10.401	(1.000)	118558	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.730	12.731	(1.000)	170614	50.0000	(Q)
$ 39 Dibromofluoromethane (Surr)	113	6.561	6.556	(0.898)	102012	50.9978	51.00
$ 43 1,2-Dichloroethane-d4	65	6.932	6.927	(0.949)	137919	61.8668	61.87
$ 59 Toluene-d8	98	8.958	8.959	(0.861)	453525	42.2134	42.21
$ 80 Bromofluorobenzene (Surr)	95	11.574	11.569	(1.112)	156438	45.5914	45.59
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.					
17 Acetonitrile	40	Compound Not Detected.					
11 Acrolein	56	Compound Not Detected.					
14 Iodomethane	142	Compound Not Detected.					
16 3-Chloro-1-propene	76	Compound Not Detected.					
22 Acrylonitrile	53	Compound Not Detected.					
26 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
32 Vinyl Acetate	43	Compound Not Detected.					
34 Propionitrile	54	Compound Not Detected.					
36 Methacrylonitrile	41	Compound Not Detected.					
44 Isobutanol	41	Compound Not Detected.					
51 Methyl methacrylate	41	Compound Not Detected.					
52 1,4-Dioxane	88	8.094	8.088	(1.108)	6094	265.731	265.7
56 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
179 Ethyl Methacrylate	69	Compound Not Detected.					
159 trans-1,4-dichloro-2-butene	53	Compound Not Detected.					
35 Tetrahydrofuran	42	6.336	6.318	(0.868)	2868	3.89172	3.892
48 n-Butanol	56	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\T6092912d.b\6092910.D
Lab Smp Id: MB
Inj Date : 29-SEP-2012 14:56
Operator : 403808 Inst ID: hp6.i
Smp Info : MB
Misc Info : T6092912d.b,T8260bllw.m,1-full2.sub
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6092912d.b\T8260bllw.m
Meth Date : 29-Sep-2012 14:57 lipayj Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 51
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-full2.sub
Target Version: 4.14
Processing Host: PITPC-530

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: 6092910.D

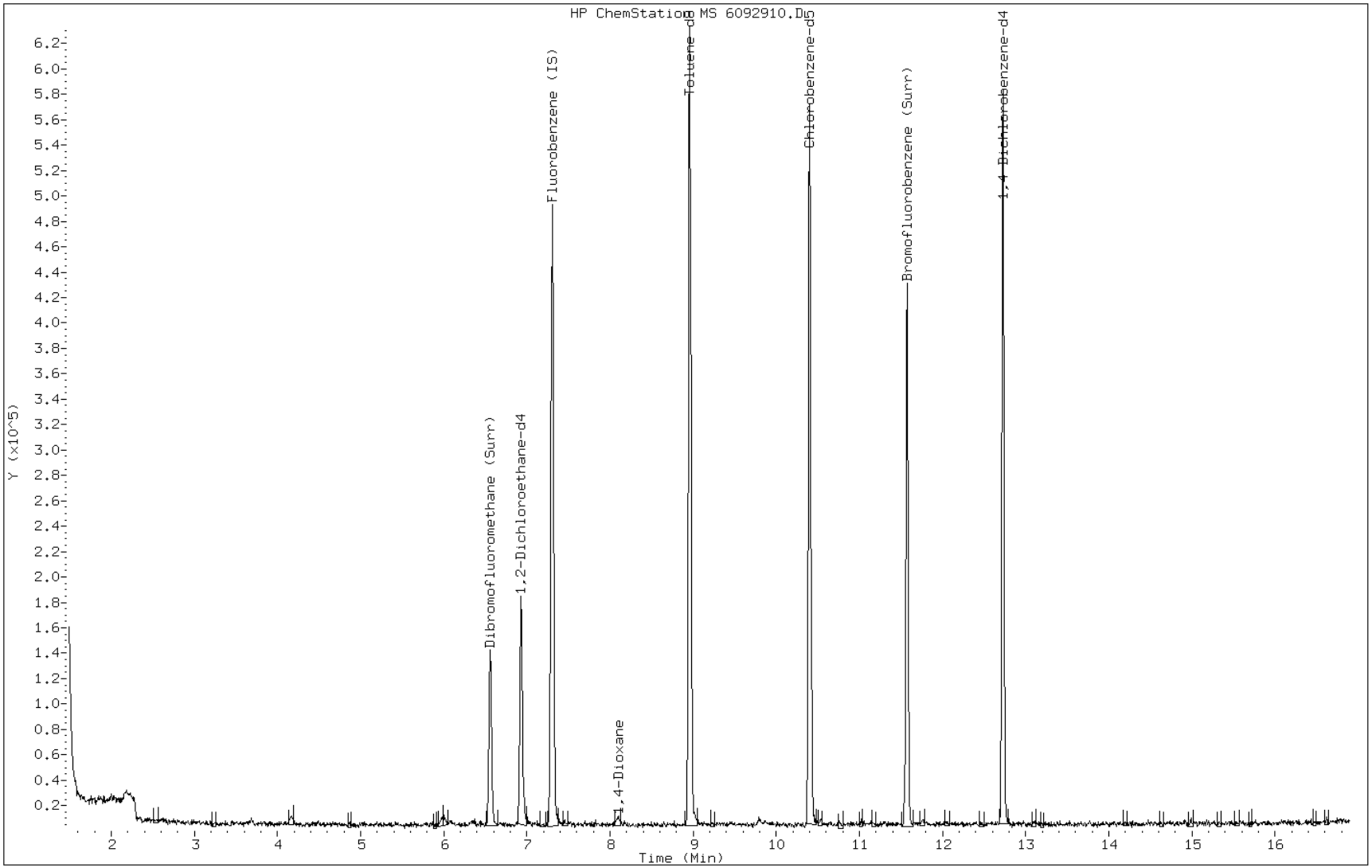
Date: 29-SEP-2012 14:56

Client ID:

Instrument: hp6.i

Sample Info: MB

Operator: 403808



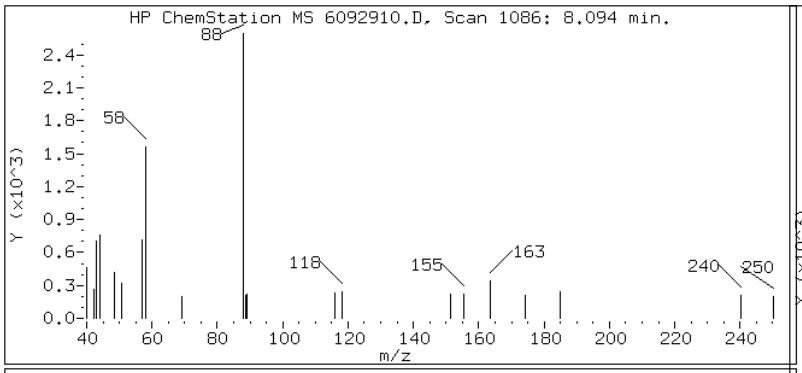
Data File: 6092910.D

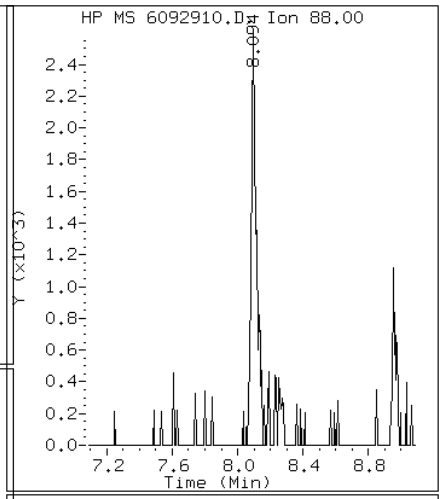
Date: 29-SEP-2012 14:56

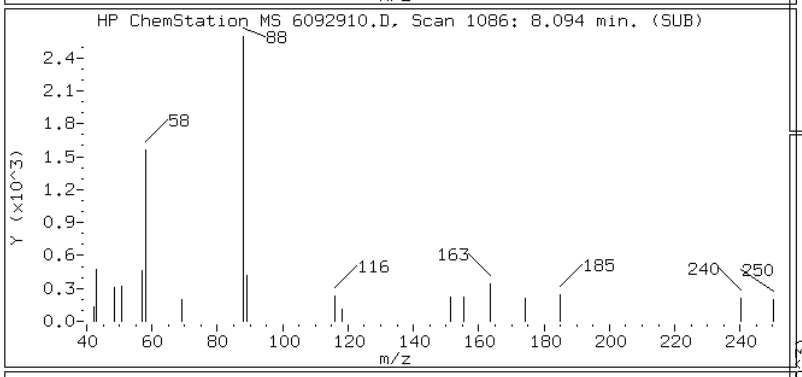
Client ID: Instrument: hp6.i

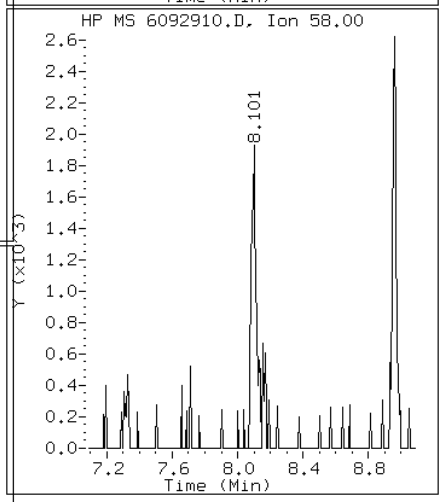
Sample Info: MB Operator: 403808

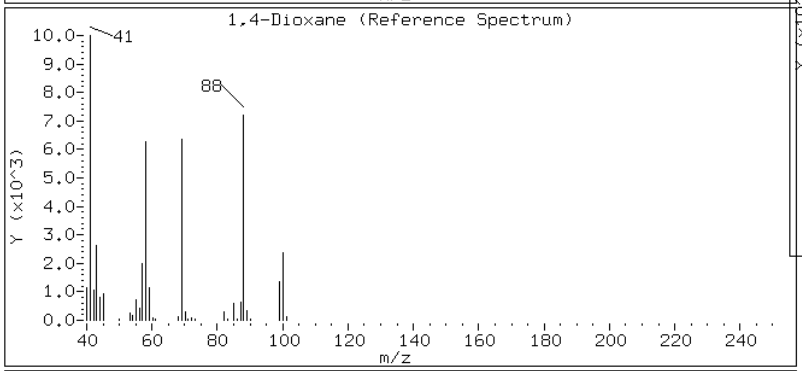
52 1,4-Dioxane

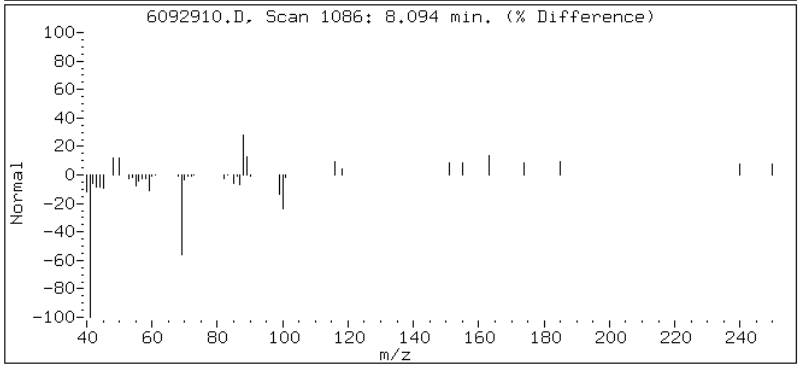












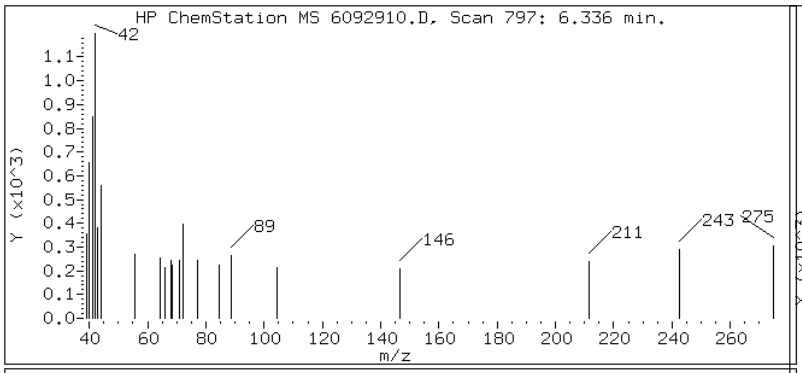
Data File: 6092910.D

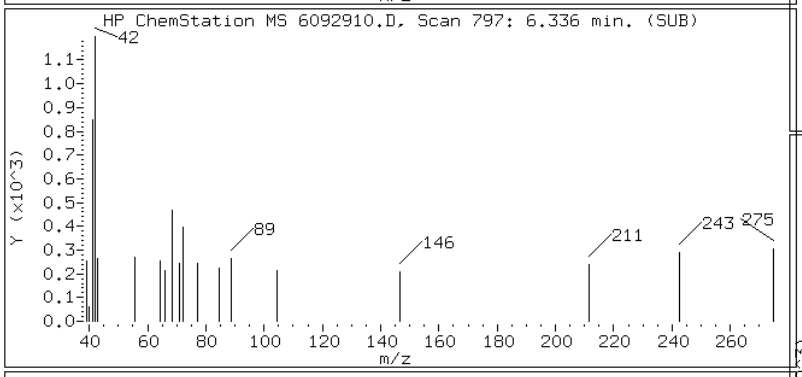
Date: 29-SEP-2012 14:56

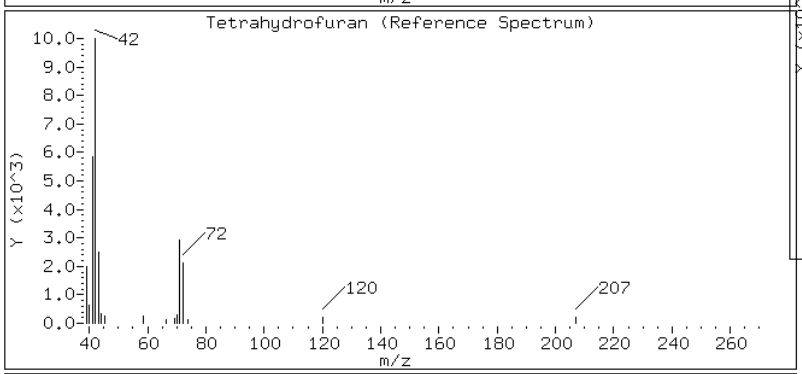
Client ID: Instrument: hp6.i

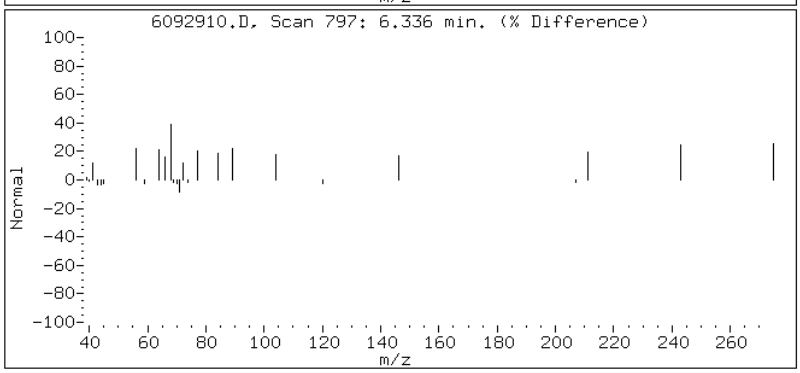
Sample Info: MB Operator: 403808

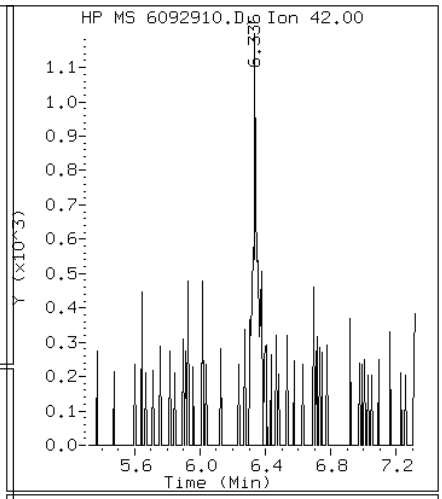
35 Tetrahydrofuran

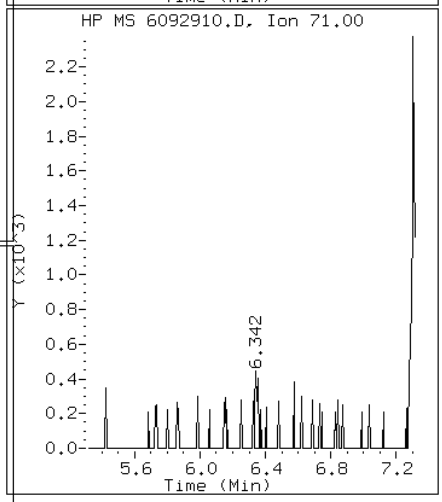












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-14654-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 180-50213/5
Matrix: Water
Lab File ID: 6092911.D
Analysis Method: 8260B
Date Collected:
Sample wt/vol: 5(mL)
Date Analyzed: 09/29/2012 15:33
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.: 50213
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	14.9		5.0	2.5
71-43-2	Benzene	11.2		1.0	0.11
75-27-4	Bromodichloromethane	10.7		1.0	0.13
75-25-2	Bromoform	10.5		1.0	0.19
74-83-9	Bromomethane	14.1		1.0	0.31
78-93-3	2-Butanone (MEK)	11.7		5.0	0.55
75-15-0	Carbon disulfide	9.02		1.0	0.21
56-23-5	Carbon tetrachloride	9.74		1.0	0.14
108-90-7	Chlorobenzene	11.0		1.0	0.14
75-00-3	Chloroethane	14.3		1.0	0.21
67-66-3	Chloroform	11.6		1.0	0.17
124-48-1	Dibromochloromethane	10.8		1.0	0.14
96-12-8	1,2-Dibromo-3-Chloropropane	9.24		1.0	0.14
106-93-4	1,2-Dibromoethane (EDB)	10.5		1.0	0.18
75-34-3	1,1-Dichloroethane	11.6		1.0	0.12
107-06-2	1,2-Dichloroethane	12.8		1.0	0.21
75-35-4	1,1-Dichloroethene	11.3		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	11.5		1.0	0.17
78-87-5	1,2-Dichloropropane	12.1		1.0	0.095
10061-01-5	cis-1,3-Dichloropropene	8.90		1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	7.75		1.0	0.15
100-41-4	Ethylbenzene	10.7		1.0	0.23
591-78-6	2-Hexanone	9.47		5.0	0.16
75-09-2	Methylene Chloride	10.9		1.0	0.15
108-10-1	4-Methyl-2-pentanone (MIBK)	8.77		5.0	0.53
100-42-5	Styrene	10.3		1.0	0.097
79-34-5	1,1,2,2-Tetrachloroethane	10.1		1.0	0.20
127-18-4	Tetrachloroethene	12.1		1.0	0.15
108-88-3	Toluene	10.7		1.0	0.15
71-55-6	1,1,1-Trichloroethane	10.2		1.0	0.29
79-00-5	1,1,2-Trichloroethane	10.5		1.0	0.20
79-01-6	Trichloroethene	11.0		1.0	0.14
75-69-4	Trichlorofluoromethane	12.3		1.0	0.20
75-01-4	Vinyl chloride	10.6		1.0	0.23
1330-20-7	Xylenes, Total	31.4		3.0	0.49
110-82-7	Cyclohexane	10.3		1.0	0.25

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-14654-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 180-50213/5
Matrix: Water
Lab File ID: 6092911.D
Analysis Method: 8260B
Date Collected:
Sample wt/vol: 5(mL)
Date Analyzed: 09/29/2012 15:33
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.: 50213
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	11.0		1.0	0.24
75-71-8	Dichlorodifluoromethane	12.6		1.0	0.19
98-82-8	Isopropylbenzene	10.7		1.0	0.16
79-20-9	Methyl acetate	10.9		1.0	0.14
108-87-2	Methylcyclohexane	10.1		1.0	0.26
1634-04-4	Methyl tert-butyl ether	8.97		1.0	0.18
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	11.0		1.0	0.32
95-50-1	1,2-Dichlorobenzene	11.1		1.0	0.15
541-73-1	1,3-Dichlorobenzene	10.6		1.0	0.11
106-46-7	1,4-Dichlorobenzene	10.5		1.0	0.21
120-82-1	1,2,4-Trichlorobenzene	11.8		1.0	0.27
74-87-3	Chloromethane	10.9		1.0	0.28

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	121		64-135
2037-26-5	Toluene-d8 (Surr)	98		71-118
460-00-4	4-Bromofluorobenzene (Surr)	101		70-118
1868-53-7	Dibromofluoromethane (Surr)	110		70-128

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6092912d.b\6092911.D
Lab Smp Id: LCS
Inj Date : 29-SEP-2012 15:33
Operator : 403808 Inst ID: hp6.i
Smp Info : LCS
Misc Info : T6092912d.b,T8260bllw.m,1-dwh2o.sub
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6092912d.b\T8260bllw.m
Meth Date : 29-Sep-2012 14:57 lipayj Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 52
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	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 46 Fluorobenzene (IS)	96	7.302	7.305	(1.000)	398283	50.0000	
* 69 Chlorobenzene-d5	119	10.398	10.401	(1.000)	92667	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.728	12.731	(1.000)	124435	50.0000	
$ 39 Dibromofluoromethane (Surr)	113	6.554	6.556	(0.898)	88301	54.9901	54.99
$ 43 1,2-Dichloroethane-d4	65	6.931	6.927	(0.949)	108606	60.6884	60.69
$ 59 Toluene-d8	98	8.963	8.959	(0.862)	410275	48.8573	48.86
$ 80 Bromofluorobenzene (Surr)	95	11.572	11.569	(1.113)	134951	50.3180	50.32
1 Dichlorodifluoromethane	85	1.589	1.592	(0.218)	127543	63.1840	63.18
2 Chloromethane	50	1.754	1.757	(0.240)	169627	54.6850	54.68
3 Vinyl Chloride	62	1.894	1.890	(0.259)	129706	53.1948	53.19
4 Bromomethane	94	2.253	2.249	(0.309)	53153	70.3018	70.30
5 Chloroethane	64	2.392	2.383	(0.328)	72967	71.5628	71.56
6 Trichlorofluoromethane	101	2.709	2.712	(0.371)	149745	61.4774	61.48
10 1,1,2-trichloro-1,2,2-trifluor	101	3.433	3.436	(0.470)	106142	54.8170	54.82
12 1,1-Dichloroethene	96	3.396	3.393	(0.465)	117739	56.6982	56.70
15 Carbon Disulfide	76	3.670	3.673	(0.503)	223648	45.0927	45.09
13 Acetone	43	3.500	3.509	(0.479)	38720	74.3547	74.35
17 Acetonitrile	40	Compound Not Detected.					
18 Methylene Chloride	84	4.163	4.166	(0.570)	121132	54.3317	54.33
19 trans-1,2-Dichloroethene	96	4.583	4.591	(0.628)	123765	57.3878	57.39
20 Methyl tert-butyl ether	73	4.613	4.616	(0.632)	244644	44.8477	44.85
24 1,1-Dichloroethane	63	5.197	5.200	(0.712)	223310	58.0214	58.02
27 2,2-Dichloropropane	77	5.951	5.960	(0.815)	70408	37.5355	37.54
28 cis-1,2-dichloroethene	96	5.963	5.966	(0.817)	131044	55.2415	55.24
M 29 1,2-Dichloroethene (total)	96				254809	112.629	112.6
30 Bromochloromethane	128	6.249	6.252	(0.856)	53760	56.5604	56.56
31 2-Butanone	43	6.006	6.015	(0.823)	55149	58.6438	58.64
37 Chloroform	83	6.365	6.368	(0.872)	180515	58.2460	58.24

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
	38 1,1,1-Trichloroethane	97	6.560	6.562	(0.898)	127272	50.7579	50.76
	40 1,1-Dichloropropene	75	6.754	6.751	(0.925)	165604	54.7789	54.78
	41 Carbon Tetrachloride	117	6.748	6.751	(0.924)	94928	48.7077	48.71
	42 Benzene	78	6.986	6.988	(0.957)	504545	56.2182	56.22
	45 1,2-Dichloroethane	62	7.016	7.019	(0.961)	152030	63.8119	63.81
	47 Trichloroethene	130	7.697	7.694	(1.054)	122191	55.1708	55.17
	49 1,2-Dichloropropane	63	7.935	7.937	(1.087)	128742	60.6887	60.69
	50 Dibromomethane	93	8.056	8.059	(1.103)	56120	53.4278	53.43
	53 Bromodichloromethane	83	8.227	8.229	(1.127)	100573	53.3830	53.38
	57 cis-1,3-Dichloropropene	75	8.689	8.692	(1.190)	119784	44.5185	44.52
	58 4-Methyl-2-Pentanone	43	8.853	8.856	(0.851)	101852	43.8523	43.85
	60 Toluene	91	9.023	9.026	(0.868)	525813	53.5415	53.54
	61 trans-1,3-Dichloropropene	75	9.255	9.251	(0.890)	94028	38.7609	38.76
	63 1,3-Dichloropropane	76	9.601	9.604	(0.923)	171402	54.4006	54.40
	64 1,1,2-Trichloroethane	97	9.437	9.434	(0.908)	90280	52.4630	52.46
	65 Tetrachloroethene	164	9.571	9.574	(0.920)	99385	60.4626	60.46
	66 2-Hexanone	43	9.693	9.689	(0.932)	77237	47.3543	47.35
	67 Dibromochloromethane	129	9.826	9.829	(0.945)	62967	54.1548	54.15
	68 1,2-Dibromoethane	107	9.942	9.939	(0.956)	85438	52.7185	52.72
	70 Chlorobenzene	112	10.429	10.432	(1.003)	327450	55.1831	55.18
	71 1,1,1,2-Tetrachloroethane	131	10.514	10.511	(1.011)	78325	49.3749	49.37
	72 Ethylbenzene	106	10.538	10.541	(1.013)	189410	53.4235	53.42
	73 m + p-Xylene	106	10.654	10.657	(1.025)	452118	105.495	105.5
	74 Xylene-o	106	11.055	11.052	(1.063)	216713	51.4989	51.50
M	75 Xylenes (total)	106				668831	156.994	157.0
	76 Styrene	104	11.068	11.064	(1.064)	336990	51.6287	51.63
	77 Bromoform	173	11.256	11.253	(1.082)	32257	52.4739	52.47
	78 Isopropylbenzene	105	11.420	11.417	(1.098)	531033	53.5104	53.51
	79 Bromobenzene	156	11.725	11.721	(0.921)	118050	51.8688	51.87
	81 n-Propylbenzene	120	11.828	11.825	(0.929)	146045	46.8142	46.81
	82 2-Chlorotoluene	126	11.919	11.916	(0.936)	128399	50.3824	50.38
	83 1,1,2,2-Tetrachloroethane	83	11.718	11.715	(0.921)	121202	50.6109	50.61
	84 1,2,3-Trichloropropane	110	11.761	11.764	(0.924)	39027	52.5304	52.53
	85 4-Chlorotoluene	126	12.023	12.025	(0.945)	138304	50.0552	50.06(Q)
	86 1,3,5-Trimethylbenzene	105	12.004	12.001	(0.943)	397646	49.3169	49.32
	87 tert-Butylbenzene	119	12.333	12.330	(0.969)	337216	47.7682	47.77
	88 1,2,4-Trimethylbenzene	105	12.382	12.378	(0.973)	382226	48.4235	48.42
	89 sec-Butylbenzene	105	12.552	12.549	(0.986)	466383	48.6242	48.62
	90 4-Isopropyltoluene	119	12.698	12.695	(0.998)	374876	48.2203	48.22
	91 1,3-Dichlorobenzene	146	12.661	12.664	(0.995)	213526	53.0356	53.04
	93 1,4-Dichlorobenzene	146	12.753	12.755	(1.002)	218617	52.5446	52.54
	94 n-Butylbenzene	91	13.105	13.102	(1.030)	311191	49.3022	49.30
	95 1,2-Dichlorobenzene	146	13.130	13.127	(1.032)	201336	55.4019	55.40
	96 1,2-Dibromo-3-chloropropane	157	13.908	13.905	(1.093)	12857	46.2008	46.20
	97 1,2,4-Trichlorobenzene	180	14.742	14.745	(1.158)	95747	58.7752	58.78
	98 Hexachlorobutadiene	225	14.912	14.909	(1.172)	41260	71.3456	71.34
	99 Naphthalene	128	14.991	14.994	(1.178)	256115	53.6770	53.68
	100 1,2,3-Trichlorobenzene	180	15.247	15.237	(1.198)	79776	61.0868	61.09
	156 Methyl Acetate	43	4.035	4.044	(0.553)	90487	54.2674	54.27
	157 Cyclohexane	56	6.621	6.617	(0.907)	251988	51.7026	51.70
	158 Methyl Cyclohexane	83	7.892	7.889	(1.081)	198663	50.5815	50.58
	160 1,3,5-Trichlorobenzene	180	14.121	14.118	(1.109)	114659	60.0685	60.07
	168 3-Chlorobenzotrifluoride	180	10.404	10.407	(1.001)	199021	55.2389	55.24
	169 4-Chlorobenzotrifluoride	180	10.465	10.462	(1.006)	177880	53.8301	53.83

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
170 2-Chlorobenzotrifluoride	180	11.311	11.314	(1.088)	175012	54.0497	54.05
171 3-Chlorotoluene	126	11.974	11.977	(0.941)	133986	50.0730	50.07
172 3,4-Dichlorobenzotrifluoride	214	12.442	12.445	(0.978)	114561	53.2202	53.22
173 2,4-Dichlorobenzotrifluoride	214	12.801	12.798	(1.006)	107192	59.7883	59.79
174 2,5-Dichlorobenzotrifluoride	214	12.850	12.853	(1.010)	112317	54.1887	54.19
175 Dichlorotoluene(2,4/2,5/2,6)	125	14.054	14.051	(1.104)	408015	169.168	169.2
176 Dichlorotoluene(2,3/3,4)	125	14.474	14.471	(1.137)	281244	121.859	121.8
177 2,4,5-Trichlorotoluene	159	16.111	16.113	(1.266)	30624	47.7447	47.74
178 2,3,6-Trichlorotoluene	159	16.238	16.235	(1.276)	23601	47.1518	47.15

QC Flag Legend

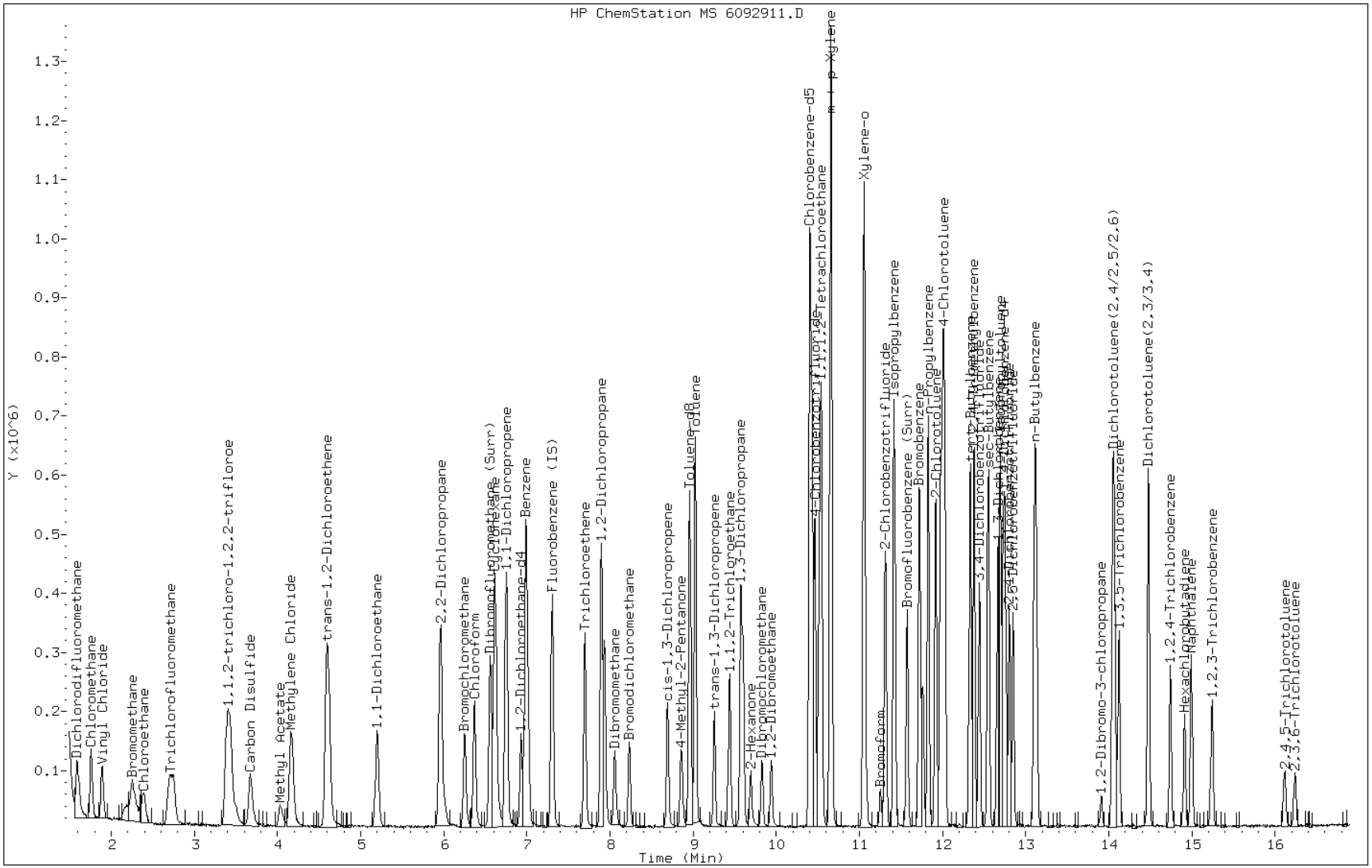
Q - Qualifier signal failed the ratio test.

Data File: 6092911.D

Date: 29-SEP-2012 15:33

Client ID: Instrument: hp6.i

Sample Info: LCS Operator: 403808



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-14654-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 180-50213/6
Matrix: Water
Lab File ID: 6092912.D
Analysis Method: 8260B
Date Collected:
Sample wt/vol: 5(mL)
Date Analyzed: 09/29/2012 15:58
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.: 50213
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	14.2		5.0	2.5
71-43-2	Benzene	9.53		1.0	0.11
75-27-4	Bromodichloromethane	9.37		1.0	0.13
75-25-2	Bromoform	9.93		1.0	0.19
74-83-9	Bromomethane	11.4		1.0	0.31
78-93-3	2-Butanone (MEK)	10.3		5.0	0.55
75-15-0	Carbon disulfide	7.33		1.0	0.21
56-23-5	Carbon tetrachloride	8.21		1.0	0.14
108-90-7	Chlorobenzene	9.96		1.0	0.14
75-00-3	Chloroethane	12.3		1.0	0.21
67-66-3	Chloroform	9.99		1.0	0.17
124-48-1	Dibromochloromethane	9.99		1.0	0.14
96-12-8	1,2-Dibromo-3-Chloropropane	8.18		1.0	0.14
106-93-4	1,2-Dibromoethane (EDB)	9.94		1.0	0.18
75-34-3	1,1-Dichloroethane	10.0		1.0	0.12
107-06-2	1,2-Dichloroethane	11.0		1.0	0.21
75-35-4	1,1-Dichloroethene	9.41		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	9.16		1.0	0.17
78-87-5	1,2-Dichloropropane	10.1		1.0	0.095
10061-01-5	cis-1,3-Dichloropropene	7.93		1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	7.33		1.0	0.15
100-41-4	Ethylbenzene	9.46		1.0	0.23
591-78-6	2-Hexanone	8.14		5.0	0.16
75-09-2	Methylene Chloride	9.10		1.0	0.15
108-10-1	4-Methyl-2-pentanone (MIBK)	7.86		5.0	0.53
100-42-5	Styrene	9.18		1.0	0.097
79-34-5	1,1,2,2-Tetrachloroethane	9.09		1.0	0.20
127-18-4	Tetrachloroethene	10.9		1.0	0.15
108-88-3	Toluene	9.46		1.0	0.15
71-55-6	1,1,1-Trichloroethane	8.52		1.0	0.29
79-00-5	1,1,2-Trichloroethane	9.59		1.0	0.20
79-01-6	Trichloroethene	9.47		1.0	0.14
75-69-4	Trichlorofluoromethane	9.98		1.0	0.20
75-01-4	Vinyl chloride	9.16		1.0	0.23
1330-20-7	Xylenes, Total	28.1		3.0	0.49
110-82-7	Cyclohexane	8.71		1.0	0.25

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-14654-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 180-50213/6
Matrix: Water
Lab File ID: 6092912.D
Analysis Method: 8260B
Date Collected:
Sample wt/vol: 5(mL)
Date Analyzed: 09/29/2012 15:58
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.: 50213
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	9.20		1.0	0.24
75-71-8	Dichlorodifluoromethane	10.7		1.0	0.19
98-82-8	Isopropylbenzene	9.43		1.0	0.16
79-20-9	Methyl acetate	8.74		1.0	0.14
108-87-2	Methylcyclohexane	8.60		1.0	0.26
1634-04-4	Methyl tert-butyl ether	8.01		1.0	0.18
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	9.47		1.0	0.32
95-50-1	1,2-Dichlorobenzene	10.1		1.0	0.15
541-73-1	1,3-Dichlorobenzene	9.47		1.0	0.11
106-46-7	1,4-Dichlorobenzene	9.65		1.0	0.21
120-82-1	1,2,4-Trichlorobenzene	11.1		1.0	0.27
74-87-3	Chloromethane	9.17		1.0	0.28

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		64-135
2037-26-5	Toluene-d8 (Surr)	90		71-118
460-00-4	4-Bromofluorobenzene (Surr)	95		70-118
1868-53-7	Dibromofluoromethane (Surr)	97		70-128

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6092912d.b\6092912.D
Lab Smp Id: LCSD
Inj Date : 29-SEP-2012 15:58
Operator : 403808 Inst ID: hp6.i
Smp Info : LCSD
Misc Info : T6092912d.b,T8260bllw.m,1-dwh2o.sub
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6092912d.b\T8260bllw.m
Meth Date : 29-Sep-2012 14:57 lipayj Quant Type: ISTD
Cal Date : 19-SEP-2012 09:27 Cal File: 60919006.D
Als bottle: 53
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	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 46 Fluorobenzene (IS)	96	7.302	7.305	(1.000)	465338	50.0000	
* 69 Chlorobenzene-d5	119	10.405	10.401	(1.000)	102809	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.729	12.731	(1.000)	138925	50.0000	
$ 39 Dibromofluoromethane (Surr)	113	6.560	6.556	(0.898)	91272	48.6497	48.65
$ 43 1,2-Dichloroethane-d4	65	6.931	6.927	(0.949)	114499	54.7617	54.76
$ 59 Toluene-d8	98	8.963	8.959	(0.861)	418898	44.9632	44.96
$ 80 Bromofluorobenzene (Surr)	95	11.573	11.569	(1.112)	140783	47.3141	47.31
1 Dichlorodifluoromethane	85	1.590	1.592	(0.218)	126193	53.5068	53.51
2 Chloromethane	50	1.760	1.757	(0.241)	166148	45.8450	45.84
3 Vinyl Chloride	62	1.888	1.890	(0.259)	130477	45.8001	45.80
4 Bromomethane	94	2.259	2.249	(0.309)	50581	57.0727	57.07
5 Chloroethane	64	2.387	2.383	(0.327)	73350	61.5722	61.57
6 Trichlorofluoromethane	101	2.709	2.712	(0.371)	141964	49.8844	49.88
10 1,1,2-trichloro-1,2,2-trifluor	101	3.439	3.436	(0.471)	107160	47.3679	47.37
12 1,1-Dichloroethene	96	3.396	3.393	(0.465)	114160	47.0529	47.05
15 Carbon Disulfide	76	3.670	3.673	(0.503)	212399	36.6537	36.65
13 Acetone	43	3.506	3.509	(0.480)	43126	70.8820	70.88
17 Acetonitrile	40	Compound Not Detected.					
18 Methylene Chloride	84	4.169	4.166	(0.571)	119415	45.5082	45.51
19 trans-1,2-Dichloroethene	96	4.595	4.591	(0.629)	115463	45.8235	45.82
20 Methyl tert-butyl ether	73	4.607	4.616	(0.631)	255405	40.0736	40.07
24 1,1-Dichloroethane	63	5.191	5.200	(0.711)	225472	50.1413	50.14
27 2,2-Dichloropropane	77	5.958	5.960	(0.816)	71223	32.4986	32.50
28 cis-1,2-dichloroethene	96	5.970	5.966	(0.818)	127440	45.9809	45.98
M 29 1,2-Dichloroethene (total)	96				242903	91.8044	91.80
30 Bromochloromethane	128	6.256	6.252	(0.857)	54692	49.2493	49.25
31 2-Butanone	43	6.012	6.015	(0.823)	56673	51.5803	51.58
37 Chloroform	83	6.371	6.368	(0.873)	180783	49.9268	49.93

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
	38 1,1,1-Trichloroethane	97	6.560	6.562	(0.898)	124802	42.6006	42.60
	40 1,1-Dichloropropene	75	6.755	6.751	(0.925)	163384	46.2567	46.26
	41 Carbon Tetrachloride	117	6.748	6.751	(0.924)	93434	41.0329	41.03
	42 Benzene	78	6.986	6.988	(0.957)	499606	47.6462	47.65
	45 1,2-Dichloroethane	62	7.016	7.019	(0.961)	153397	55.1077	55.11
	47 Trichloroethene	130	7.697	7.694	(1.054)	122477	47.3312	47.33
	49 1,2-Dichloropropane	63	7.941	7.937	(1.087)	125138	50.4894	50.49
	50 Dibromomethane	93	8.056	8.059	(1.103)	58760	47.8800	47.88
	53 Bromodichloromethane	83	8.239	8.229	(1.128)	103073	46.8263	46.83
	57 cis-1,3-Dichloropropene	75	8.695	8.692	(1.191)	124656	39.6532	39.65
	58 4-Methyl-2-Pentanone	43	8.859	8.856	(0.851)	101323	39.3210	39.32
	60 Toluene	91	9.024	9.026	(0.867)	515375	47.3017	47.30
	61 trans-1,3-Dichloropropene	75	9.255	9.251	(0.889)	98673	36.6631	36.66
	63 1,3-Dichloropropane	76	9.602	9.604	(0.923)	171049	48.9330	48.93
	64 1,1,2-Trichloroethane	97	9.431	9.434	(0.906)	91508	47.9308	47.93
	65 Tetrachloroethene	164	9.577	9.574	(0.920)	99267	54.4333	54.43
	66 2-Hexanone	43	9.693	9.689	(0.932)	73635	40.6923	40.69
	67 Dibromochloromethane	129	9.833	9.829	(0.945)	64466	49.9746	49.97
	68 1,2-Dibromoethane	107	9.942	9.939	(0.956)	89380	49.7103	49.71
	70 Chlorobenzene	112	10.429	10.432	(1.002)	327706	49.7782	49.78
	71 1,1,1,2-Tetrachloroethane	131	10.514	10.511	(1.011)	82905	47.1065	47.11
	72 Ethylbenzene	106	10.538	10.541	(1.013)	186038	47.2961	47.30
	73 m + p-Xylene	106	10.654	10.657	(1.024)	445454	93.6866	93.69
	74 Xylene-o	106	11.049	11.052	(1.062)	219606	47.0382	47.04
M	75 Xylenes (total)	106				665060	140.725	140.7
	76 Styrene	104	11.062	11.064	(1.063)	332448	45.9084	45.91
	77 Bromoform	173	11.250	11.253	(1.081)	33850	49.6332	49.63
	78 Isopropylbenzene	105	11.421	11.417	(1.098)	519238	47.1604	47.16
	79 Bromobenzene	156	11.725	11.721	(0.921)	115786	45.5679	45.57
	81 n-Propylbenzene	120	11.828	11.825	(0.929)	143708	41.2604	41.26
	82 2-Chlorotoluene	126	11.919	11.916	(0.936)	126208	44.3574	44.36
	83 1,1,2,2-Tetrachloroethane	83	11.719	11.715	(0.921)	121512	45.4480	45.45
	84 1,2,3-Trichloropropane	110	11.761	11.764	(0.924)	39122	47.1659	47.16
	85 4-Chlorotoluene	126	12.023	12.025	(0.945)	139573	45.2457	45.24(Q)
	86 1,3,5-Trimethylbenzene	105	11.999	12.001	(0.943)	393700	43.7348	43.73
	87 tert-Butylbenzene	119	12.333	12.330	(0.969)	329712	41.8339	41.83
	88 1,2,4-Trimethylbenzene	105	12.376	12.378	(0.972)	374230	42.4655	42.46
	89 sec-Butylbenzene	105	12.552	12.549	(0.986)	456950	42.6718	42.67
	90 4-Isopropyltoluene	119	12.692	12.695	(0.997)	372499	42.9170	42.92
	91 1,3-Dichlorobenzene	146	12.668	12.664	(0.995)	212944	47.3745	47.37
	93 1,4-Dichlorobenzene	146	12.753	12.755	(1.002)	224202	48.2665	48.27
	94 n-Butylbenzene	91	13.106	13.102	(1.030)	300903	42.7000	42.70
	95 1,2-Dichlorobenzene	146	13.130	13.127	(1.032)	205787	50.7205	50.72
	96 1,2-Dibromo-3-chloropropane	157	13.903	13.905	(1.092)	12708	40.9024	40.90
	97 1,2,4-Trichlorobenzene	180	14.736	14.745	(1.158)	100949	55.5051	55.50
	98 Hexachlorobutadiene	225	14.906	14.909	(1.171)	40517	62.7534	62.75
	99 Naphthalene	128	14.992	14.994	(1.178)	264849	49.7180	49.72
	100 1,2,3-Trichlorobenzene	180	15.241	15.237	(1.197)	81985	56.2305	56.23
	156 Methyl Acetate	43	4.035	4.044	(0.553)	85119	43.6921	43.69
	157 Cyclohexane	56	6.615	6.617	(0.906)	247940	43.5414	43.54
	158 Methyl Cyclohexane	83	7.892	7.889	(1.081)	197418	43.0214	43.02
	160 1,3,5-Trichlorobenzene	180	14.122	14.118	(1.109)	119582	56.1134	56.11
	168 3-Chlorobenzotrifluoride	180	10.411	10.407	(1.001)	196417	49.1382	49.14
	169 4-Chlorobenzotrifluoride	180	10.465	10.462	(1.006)	177853	48.5125	48.51

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
170 2-Chlorobenzotrifluoride	180	11.311	11.314	(1.087)	174378	48.5413	48.54
171 3-Chlorotoluene	126	11.980	11.977	(0.941)	134012	44.8591	44.86
172 3,4-Dichlorobenzotrifluoride	214	12.443	12.445	(0.978)	112136	46.6602	46.66
173 2,4-Dichlorobenzotrifluoride	214	12.802	12.798	(1.006)	95770	47.8460	47.84
174 2,5-Dichlorobenzotrifluoride	214	12.850	12.853	(1.010)	109708	47.4093	47.41
175 Dichlorotoluene(2,4/2,5/2,6)	125	14.055	14.051	(1.104)	415578	154.332	154.3
176 Dichlorotoluene(2,3/3,4)	125	14.474	14.471	(1.137)	280683	108.931	108.9
177 2,4,5-Trichlorotoluene	159	16.117	16.113	(1.266)	34215	47.7796	47.78
178 2,3,6-Trichlorotoluene	159	16.239	16.235	(1.276)	27514	49.2361	49.24

QC Flag Legend

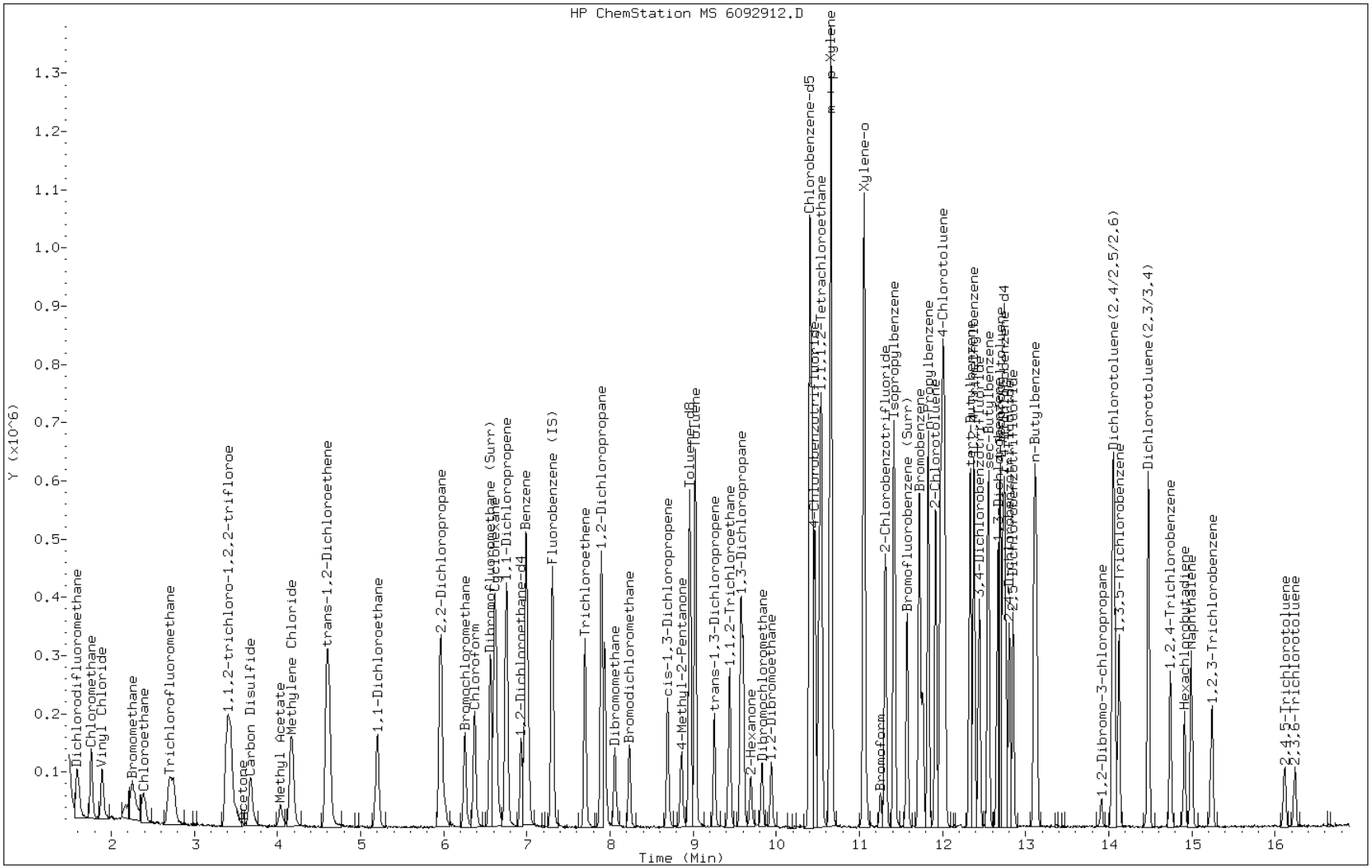
Q - Qualifier signal failed the ratio test.

Data File: 6092912.D

Date: 29-SEP-2012 15:58

Client ID: Instrument: hp6.i

Sample Info: LCSD Operator: 403808



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

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.: 180-14654-1

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.: 180-14654-1

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.: 180-14654-1

SDG No.:

Instrument ID: HP6 Start Date: 09/29/2012 13:34

Analysis Batch Number: 50213 End Date: 09/30/2012 00:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 180-50213/1		09/29/2012 13:34	1	6092907.D	DB-624 0.18(mm)
CCVIS 180-50213/2		09/29/2012 14:07	1	6092908.D	DB-624 0.18(mm)
CCV 180-50213/3		09/29/2012 14:31	1	6092909.D	DB-624 0.18(mm)
MB 180-50213/4		09/29/2012 14:56	1	6092910.D	DB-624 0.18(mm)
LCS 180-50213/5		09/29/2012 15:33	1	6092911.D	DB-624 0.18(mm)
LCSD 180-50213/6		09/29/2012 15:58	1	6092912.D	DB-624 0.18(mm)
ZZZZZ		09/29/2012 16:46	1		DB-624 0.18(mm)
180-14654-1	TRIP BLANK	09/29/2012 17:10	1	6092915.D	DB-624 0.18(mm)
ZZZZZ		09/29/2012 17:34	2		DB-624 0.18(mm)
ZZZZZ		09/29/2012 17:58	1		DB-624 0.18(mm)
ZZZZZ		09/29/2012 18:22	1		DB-624 0.18(mm)
ZZZZZ		09/29/2012 18:46	1		DB-624 0.18(mm)
ZZZZZ		09/29/2012 19:10	1		DB-624 0.18(mm)
ZZZZZ		09/29/2012 19:35	1		DB-624 0.18(mm)
ZZZZZ		09/29/2012 19:59	1		DB-624 0.18(mm)
ZZZZZ		09/29/2012 20:23	1		DB-624 0.18(mm)
ZZZZZ		09/29/2012 20:46	1		DB-624 0.18(mm)
ZZZZZ		09/29/2012 21:10	1		DB-624 0.18(mm)
ZZZZZ		09/29/2012 21:34	1		DB-624 0.18(mm)
ZZZZZ		09/29/2012 21:59	1		DB-624 0.18(mm)
ZZZZZ		09/29/2012 22:23	1		DB-624 0.18(mm)
180-14654-4	MW-111	09/29/2012 22:47	1	6092929.D	DB-624 0.18(mm)
180-14654-5	WWT-1	09/29/2012 23:11	1	6092930.D	DB-624 0.18(mm)
180-14654-2	TMP-2	09/29/2012 23:36	1	6092931.D	DB-624 0.18(mm)
180-14654-3	MW-107	09/30/2012 00:00	1	6092932.D	DB-624 0.18(mm)
180-14654-6	MW-103	09/30/2012 00:24	1	6092933.D	DB-624 0.18(mm)
ZZZZZ		09/30/2012 00:48	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.: 180-14654-1

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 #
TMP-2	180-14654-2	57	61	64	60	70	95
MW-107	180-14654-3	55	54	66	65	78	95
MW-111	180-14654-4	66	71	72	69	81	99
MW-103	180-14654-6	75	79	80	75	87	98
	MB 180-50052/1-A	74	77	74	71	74	91
	LCS 180-50052/2-A	71	74	71	70	80	88
	LCSD 180-50052/3-A	69	72	70	70	79	87

	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.: 180-14654-1

SDG No.:

Matrix: Water Level: Low Lab File ID: V1002010.D

Lab ID: LCS 180-50052/2-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	15.7	78	37-107	
Acetophenone	20.0	14.8	74	30-150	
Anthracene	20.0	13.8	69	35-105	
Atrazine	20.0	23.5	118	30-150	
Benzaldehyde	20.0	9.91	50	30-150	
Benzo[a]anthracene	20.0	15.5	77	38-101	
Benzo[b]fluoranthene	20.0	15.9	79	29-98	
Benzo[k]fluoranthene	20.0	13.6	68	28-107	
Benzo[g,h,i]perylene	20.0	15.0	75	20-115	
Benzo[a]pyrene	20.0	15.9	80	26-108	
Bis(2-chloroethoxy)methane	20.0	14.8	74	33-98	
Bis(2-chloroethyl)ether	20.0	13.8	69	33-95	
Bis(2-ethylhexyl) phthalate	20.0	15.7	78	20-116	
Butyl benzyl phthalate	20.0	16.0	80	36-108	
1,1'-Biphenyl	20.0	13.9	70	30-150	
Caprolactam	20.0	15.2	76	30-150	
Carbazole	20.0	13.0	65	29-112	
Chrysene	20.0	15.9	80	37-99	
2-Chloronaphthalene	20.0	13.8	69	34-96	
2-Chlorophenol	20.0	14.3	72	31-99	
2,4-Dichlorophenol	20.0	14.9	74	34-104	
2,4-Dimethylphenol	20.0	14.7	74	33-97	
2,4-Dinitrophenol	20.0	13.7	68	10-130	
2,4-Dinitrotoluene	20.0	14.0	70	37-115	
2,6-Dinitrotoluene	20.0	14.5	72	39-113	
2-Methylnaphthalene	20.0	14.4	72	34-98	
2-Methylphenol	20.0	13.7	69	33-98	
2-Nitroaniline	20.0	14.0	70	29-112	
2-Nitrophenol	20.0	15.1	76	34-107	
2,2'-oxybis[1-chloropropane]	20.0	13.3	67	30-99	
2,4,5-Trichlorophenol	20.0	13.4	67	34-104	
2,4,6-Trichlorophenol	20.0	14.7	73	36-103	
4-Nitroaniline	20.0	13.9	69	20-124	
4-Nitrophenol	20.0	13.7	68	29-115	
4-Chlorophenyl phenyl ether	20.0	14.8	74	34-103	
Methylphenol, 3 & 4	40.0	29.9	75	32-100	
4,6-Dinitro-2-methylphenol	20.0	13.7	69	24-124	
4-Chloroaniline	20.0	15.3	77	10-99	
4-Chloro-3-methylphenol	20.0	14.2	71	35-104	
4-Bromophenyl phenyl ether	20.0	14.5	72	37-104	
Dibenz(a,h)anthracene	20.0	12.9	65	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.: 180-14654-1

SDG No.:

Matrix: Water Level: Low Lab File ID: V1002010.D

Lab ID: LCS 180-50052/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dibenzofuran	20.0	14.0	70	34-101	
Di-n-butyl phthalate	20.0	13.5	68	37-111	
Diethyl phthalate	20.0	14.1	70	36-109	
Dimethyl phthalate	20.0	13.8	69	37-106	
Di-n-octyl phthalate	20.0	15.7	79	11-127	
3,3'-Dichlorobenzidine	20.0	15.9	80	10-89	
3-Nitroaniline	20.0	14.0	70	11-104	
Fluoranthene	20.0	13.5	68	32-112	
Fluorene	20.0	14.6	73	34-104	
Hexachlorobenzene	20.0	15.4	77	35-102	
Hexachlorobutadiene	20.0	14.4	72	35-100	
Hexachlorocyclopentadiene	20.0	16.6	83	36-115	
Hexachloroethane	20.0	13.2	66	32-94	
Indeno[1,2,3-cd]pyrene	20.0	13.9	69	22-115	
Isophorone	20.0	15.2	76	38-102	
Naphthalene	20.0	14.3	72	35-97	
Nitrobenzene	20.0	14.1	70	37-100	
N-Nitrosodiphenylamine	20.0	14.5	73	32-102	
N-Nitrosodi-n-propylamine	20.0	14.3	72	34-101	
Pyrene	20.0	16.9	84	35-106	
Phenol	20.0	13.7	69	32-95	
Phenanthrene	20.0	14.6	73	32-104	
Pentachlorophenol	20.0	12.6	63	15-111	
1,4-Dioxane	20.0	13.9	70	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.: 180-14654-1

SDG No.:

Matrix: Water Level: Low Lab File ID: V1002011.D

Lab ID: LCSD 180-50052/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	20.0	14.0	70	3	41	35-99	
Acenaphthylene	20.0	15.3	76	3	40	37-107	
Acetophenone	20.0	14.2	71	4	35	30-150	
Anthracene	20.0	14.2	71	3	37	35-105	
Atrazine	20.0	23.3	117	1	35	30-150	
Benzaldehyde	20.0	9.86	49	1	35	30-150	
Benzo[a]anthracene	20.0	14.7	73	5	36	38-101	
Benzo[b]fluoranthene	20.0	14.1	70	12	46	29-98	
Benzo[k]fluoranthene	20.0	15.2	76	11	31	28-107	
Benzo[g,h,i]perylene	20.0	14.8	74	2	44	20-115	
Benzo[a]pyrene	20.0	15.4	77	3	40	26-108	
Bis(2-chloroethoxy)methane	20.0	13.9	69	6	46	33-98	
Bis(2-chloroethyl)ether	20.0	13.4	67	2	38	33-95	
Bis(2-ethylhexyl) phthalate	20.0	15.1	75	4	40	20-116	
Butyl benzyl phthalate	20.0	15.0	75	6	40	36-108	
1,1'-Biphenyl	20.0	13.7	68	2	35	30-150	
Caprolactam	20.0	15.4	77	1	35	30-150	
Carbazole	20.0	13.2	66	1	35	29-112	
Chrysene	20.0	15.7	79	1	42	37-99	
2-Chloronaphthalene	20.0	13.8	69	0	39	34-96	
2-Chlorophenol	20.0	13.8	69	4	39	31-99	
2,4-Dichlorophenol	20.0	14.1	70	6	41	34-104	
2,4-Dimethylphenol	20.0	13.8	69	7	40	33-97	
2,4-Dinitrophenol	20.0	12.5	62	9	53	10-130	
2,4-Dinitrotoluene	20.0	13.8	69	1	39	37-115	
2,6-Dinitrotoluene	20.0	14.4	72	1	40	39-113	
2-Methylnaphthalene	20.0	13.6	68	6	42	34-98	
2-Methylphenol	20.0	13.3	67	3	38	33-98	
2-Nitroaniline	20.0	13.5	68	3	65	29-112	
2-Nitrophenol	20.0	14.4	72	5	41	34-107	
2,2'-oxybis[1-chloropropane]	20.0	13.1	65	2	42	30-99	
2,4,5-Trichlorophenol	20.0	12.0	60	11	39	34-104	
2,4,6-Trichlorophenol	20.0	14.0	70	5	39	36-103	
4-Nitroaniline	20.0	13.7	68	1	45	20-124	
4-Nitrophenol	20.0	12.5	62	9	42	29-115	
4-Chlorophenyl phenyl ether	20.0	14.5	73	2	38	34-103	
Methylphenol, 3 & 4	40.0	28.3	71	5	41	32-100	
4,6-Dinitro-2-methylphenol	20.0	13.7	68	0	41	24-124	
4-Chloroaniline	20.0	14.5	72	6	39	10-99	
4-Chloro-3-methylphenol	20.0	12.9	65	9	42	35-104	
4-Bromophenyl phenyl ether	20.0	14.1	71	2	40	37-104	
Dibenz(a,h)anthracene	20.0	12.8	64	1	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.: 180-14654-1

SDG No.:

Matrix: Water Level: Low Lab File ID: V1002011.D

Lab ID: LCSD 180-50052/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Dibenzofuran	20.0	13.5	68	3	39	34-101	
Di-n-butyl phthalate	20.0	13.4	67	1	38	37-111	
Diethyl phthalate	20.0	14.2	71	1	39	36-109	
Dimethyl phthalate	20.0	13.6	68	2	42	37-106	
Di-n-octyl phthalate	20.0	15.3	76	3	44	11-127	
3,3'-Dichlorobenzidine	20.0	15.4	77	4	56	10-89	
3-Nitroaniline	20.0	13.7	69	2	48	11-104	
Fluoranthene	20.0	13.6	68	1	39	32-112	
Fluorene	20.0	13.9	70	5	40	34-104	
Hexachlorobenzene	20.0	15.9	80	4	35	35-102	
Hexachlorobutadiene	20.0	13.8	69	4	41	35-100	
Hexachlorocyclopentadiene	20.0	16.0	80	4	47	36-115	
Hexachloroethane	20.0	13.1	66	1	39	32-94	
Indeno[1,2,3-cd]pyrene	20.0	13.8	69	0	54	22-115	
Isophorone	20.0	14.5	73	4	43	38-102	
Naphthalene	20.0	13.6	68	5	43	35-97	
Nitrobenzene	20.0	13.6	68	4	42	37-100	
N-Nitrosodiphenylamine	20.0	14.7	74	2	36	32-102	
N-Nitrosodi-n-propylamine	20.0	13.9	70	3	43	34-101	
Pyrene	20.0	16.5	82	2	42	35-106	
Phenol	20.0	13.0	65	6	39	32-95	
Phenanthrene	20.0	14.5	72	1	36	32-104	
Pentachlorophenol	20.0	12.0	60	5	42	15-111	
1,4-Dioxane	20.0	13.3	67	4	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.: 180-14654-1

SDG No.:

Lab File ID: V1002009.D Lab Sample ID: MB 180-50052/1-A

Matrix: Water Date Extracted: 09/27/2012 15:47

Instrument ID: 731 Date Analyzed: 10/02/2012 10:25

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 180-50052/2-A	V1002010.D	10/02/2012 11:59
	LCSD 180-50052/3-A	V1002011.D	10/02/2012 12:22
TMP-2	180-14654-2	V1002012.D	10/02/2012 13:33
MW-107	180-14654-3	V1002013.D	10/02/2012 13:57
MW-111	180-14654-4	V1002014.D	10/02/2012 14:20
MW-103	180-14654-6	V1002015.D	10/02/2012 14:44

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

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.: 180-14654-1

SDG No.:

Lab File ID: V1002DF1.D DFTPP Injection Date: 10/02/2012

Instrument ID: 731 DFTPP Injection Time: 07:51

Analysis Batch No.: 50568

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	38.5	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	40.2	
70	Less than 2.0 % of mass 69	0.1	(0.3)1
127	40.0 - 60.0 % of mass 198	49.2	
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	7.1	
275	10.0 - 30.0 % of mass 198	21.7	
365	Greater than 1.0 % of mass 198	2.4	
441	Present but less than mass 443	9.1	(76.2)1
442	Greater than 40.0 % of mass 198	63.1	
443	17.0 - 23.0 % of mass 442	11.9	(18.9)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
	CCVIS 180-50568/20	V10020CC.D	10/02/2012	08:07
	MB 180-50052/1-A	V1002009.D	10/02/2012	10:25
	LCS 180-50052/2-A	V1002010.D	10/02/2012	11:59
	LCSD 180-50052/3-A	V1002011.D	10/02/2012	12:22
TMP-2	180-14654-2	V1002012.D	10/02/2012	13:33
MW-107	180-14654-3	V1002013.D	10/02/2012	13:57
MW-111	180-14654-4	V1002014.D	10/02/2012	14:20
MW-103	180-14654-6	V1002015.D	10/02/2012	14:44

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

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Sample No.: CCVIS 180-50568/20 Date Analyzed: 10/02/2012 08:07

Instrument ID: 731 GC Column: Rxi-5SilMS ID: 0.32(mm)

Lab File ID (Standard): V10020CC.D Heated Purge: (Y/N) N

Calibration ID: 6629

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		172411	4.59	717642	5.57	400406	6.93
UPPER LIMIT		344822	5.09	1435284	6.07	800812	7.43
LOWER LIMIT		86206	4.09	358821	5.07	200203	6.43
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 180-50052/1-A		170552	4.58	650181	5.55	382605	6.91
LCS 180-50052/2-A		171988	4.58	655204	5.56	384328	6.91
LCSD 180-50052/3-A		175580	4.58	682645	5.55	396720	6.90
180-14654-2	TMP-2	170563	4.58	666358	5.55	384808	6.90
180-14654-3	MW-107	172379	4.58	661986	5.56	369478	6.90
180-14654-4	MW-111	183842	4.58	722379	5.55	414898	6.90
180-14654-6	MW-103	171141	4.58	647552	5.55	361512	6.90

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.: 180-14654-1

SDG No.:

Sample No.: CCVIS 180-50568/20 Date Analyzed: 10/02/2012 08:07

Instrument ID: 731 GC Column: Rxi-5SilMS ID: 0.32(mm)

Lab File ID (Standard): V10020CC.D Heated Purge: (Y/N) N

Calibration ID: 6629

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		681040	8.08	543070	10.14	473645	11.58
UPPER LIMIT		1362080	8.58	1086140	10.64	947290	12.08
LOWER LIMIT		340520	7.58	271535	9.64	236823	11.08
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 180-50052/1-A		637632	8.05	491253	10.16	450982	11.62
LCS 180-50052/2-A		637343	8.06	484585	10.17	485180	11.62
LCSD 180-50052/3-A		632336	8.05	501339	10.17	500382	11.61
180-14654-2	TMP-2	587696	8.05	436598	10.17	466918	11.63
180-14654-3	MW-107	569247	8.06	409554	10.17	451383	11.62
180-14654-4	MW-111	623409	8.05	446742	10.17	460245	11.62
180-14654-6	MW-103	542887	8.05	411271	10.17	456440	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.: 180-14654-1

SDG No.:

Client Sample ID: TMP-2 | Lab Sample ID: 180-14654-2

Matrix: Water | Lab File ID: V1002012.D

Analysis Method: 8270C LL | Date Collected: 09/20/2012 09:15

Extract. Method: 3520C | Date Extracted: 09/27/2012 15:47

Sample wt/vol: 1040(mL) | Date Analyzed: 10/02/2012 13:33

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.: 50568 | 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	1.3	J	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.: 180-14654-1

SDG No.:

Client Sample ID: TMP-2 | Lab Sample ID: 180-14654-2

Matrix: Water | Lab File ID: V1002012.D

Analysis Method: 8270C LL | Date Collected: 09/20/2012 09:15

Extract. Method: 3520C | Date Extracted: 09/27/2012 15:47

Sample wt/vol: 1040(mL) | Date Analyzed: 10/02/2012 13:33

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.: 50568 | 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.: 180-14654-1

SDG No.:

Client Sample ID: TMP-2 | Lab Sample ID: 180-14654-2

Matrix: Water | Lab File ID: V1002012.D

Analysis Method: 8270C LL | Date Collected: 09/20/2012 09:15

Extract. Method: 3520C | Date Extracted: 09/27/2012 15:47

Sample wt/vol: 1040(mL) | Date Analyzed: 10/02/2012 13:33

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.: 50568 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	70		16-122
321-60-8	2-Fluorobiphenyl	60		19-107
367-12-4	2-Fluorophenol	57		10-111
4165-60-0	Nitrobenzene-d5	64		23-112
4165-62-2	Phenol-d5	61		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\TV100212.b\V1002012.D
Lab Smp Id: 180-14654-B-2-A Client Smp ID: TMP-2
Inj Date : 02-OCT-2012 13:33
Operator : 003200 Inst ID: 731.i
Smp Info : 180-14654-B-2-A
Misc Info : 180-14654-B-2-A
Comment :
Method : \\PITSVR06\D\chem\731.i\TV100212.b\T8270ll.m
Meth Date : 02-Oct-2012 08:29 piccolinov Quant Type: ISTD
Cal Date : 12-SEP-2012 13:48 Cal File: V0912IC8.D
Als bottle: 14
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	4.578	4.594	(1.000)	170563	8.00000	
* 2 Naphthalene-d8	136	5.550	5.572	(1.000)	666358	8.00000	
* 3 Acenaphthene-d10	164	6.901	6.929	(1.000)	384808	8.00000	(M)
* 4 Phenanthrene-d10	188	8.050	8.083	(1.000)	587696	8.00000	
* 5 Chrysene-d12	240	10.171	10.139	(1.000)	436598	8.00000	
* 6 Perylene-d12	264	11.629	11.582	(1.000)	466918	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	5.315	5.364	(0.958)	4693	0.28189	0.28189
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	6.095	6.122	(1.098)	642	0.01105	0.011049
63 1-Methylnaphthalene	142	6.175	6.202	(1.113)	592	0.01086	0.010857
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	8.483	8.510	(1.054)	9577	0.10299	0.10299
123 Fluoranthene	202	Compound Not Detected.					
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	Compound Not Detected.					
131 Butylbenzylphthalate	149	9.669	9.664	(0.951)	4854	0.16215	0.16215
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	10.139	10.102	(0.997)	112345	2.64948	2.6495
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	5.016	(0.900)	652773	25.5912	25.591
$ 155 2-Fluorobiphenyl	172	6.378	6.405	(0.924)	1539889	24.1998	24.200(M)
$ 156 Terphenyl-d14	244	9.295	9.306	(0.914)	1589176	37.9641	37.964(M)
$ 157 Phenol-d5	99	4.310	4.322	(0.942)	1019369	36.4513	36.451
$ 158 2-Fluorophenol	112	3.563	3.563	(0.778)	783427	34.4031	34.403
$ 159 2,4,6-Tribromophenol	330	7.510	7.543	(0.933)	284693	41.7116	41.712
$ 186 2-Chlorophenol-d4	132	4.407	4.418	(0.963)	1044142	36.1038	36.104
$ 187 1,2-Dichlorobenzene-d4	152	4.695	4.712	(1.026)	460282	22.2768	22.277

QC Flag Legend

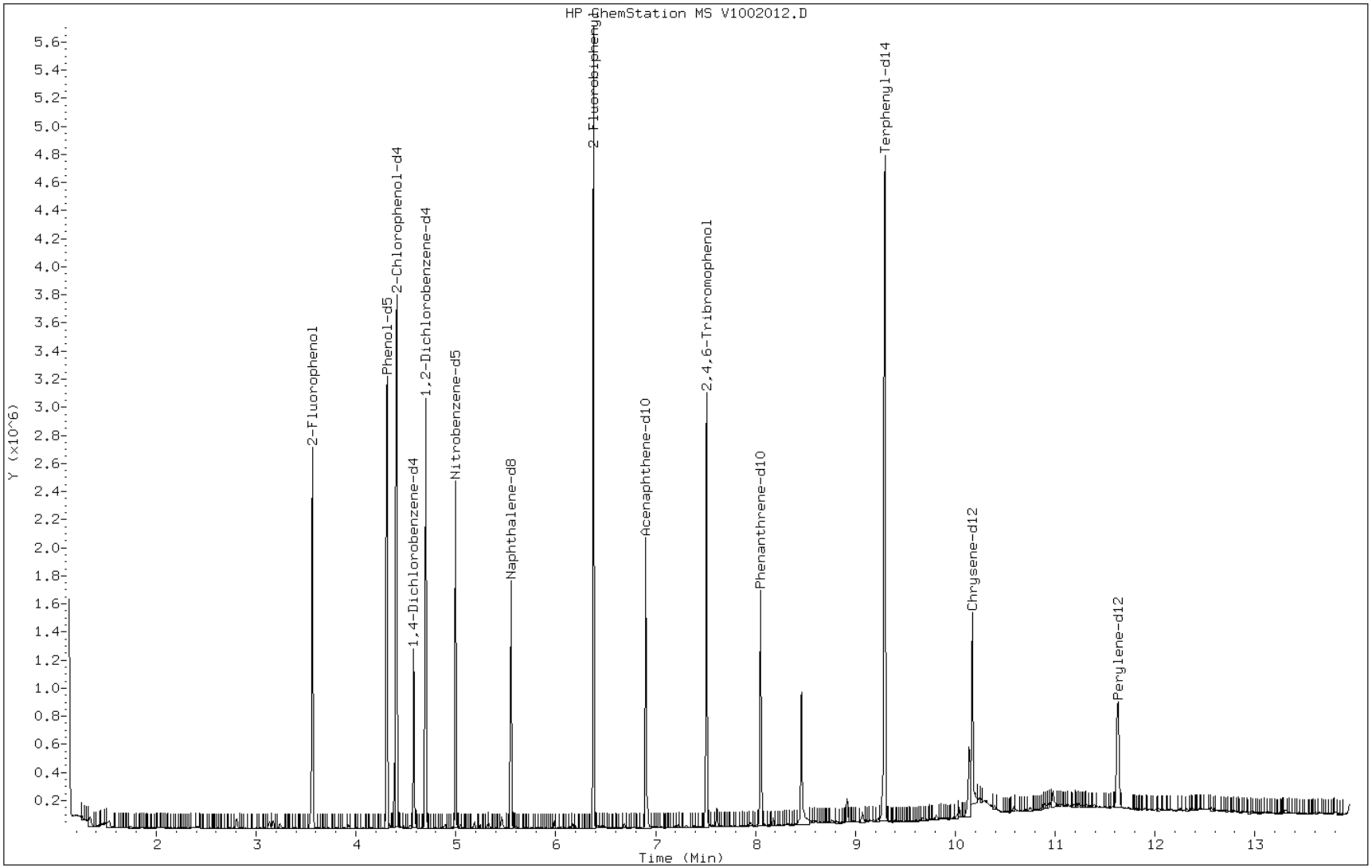
M - Compound response manually integrated.

Data File: V1002012.D

Date: 02-OCT-2012 13:33

Client ID: TMP-2 Instrument: 731.i

Sample Info: 180-14654-B-2-A Operator: 003200



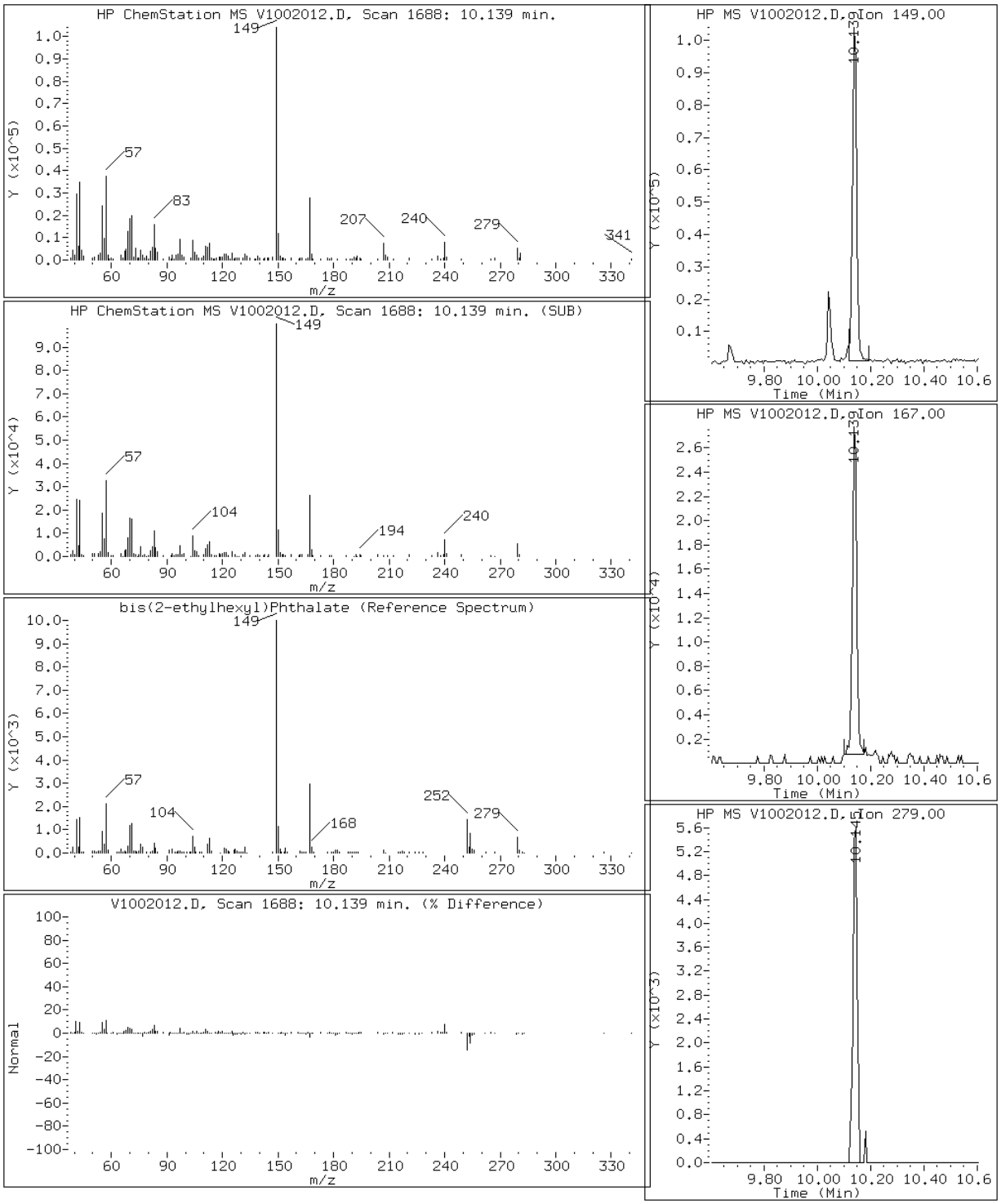
Data File: V1002012.D

Date: 02-OCT-2012 13:33

Client ID: TMP-2 Instrument: 731.i

Sample Info: 180-14654-B-2-A Operator: 003200

139 bis(2-ethylhexyl)Phthalate



Manual Integration Report

Data File: V1002012.D
Inj. Date and Time: 02-OCT-2012 13:33
Instrument ID: 731.i
Client ID: TMP-2
Compound: 155 2-Fluorobiphenyl
CAS #: 321-60-8
Report Date: 10/03/2012

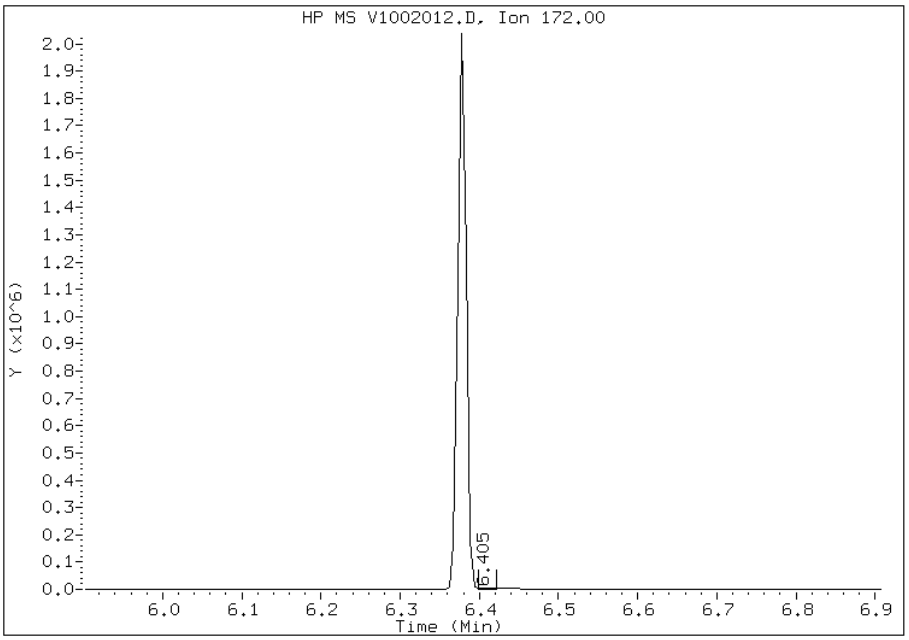
Processing Integration Results

RT: 6.41

Response: 5594

Amount: 0

Conc: 0



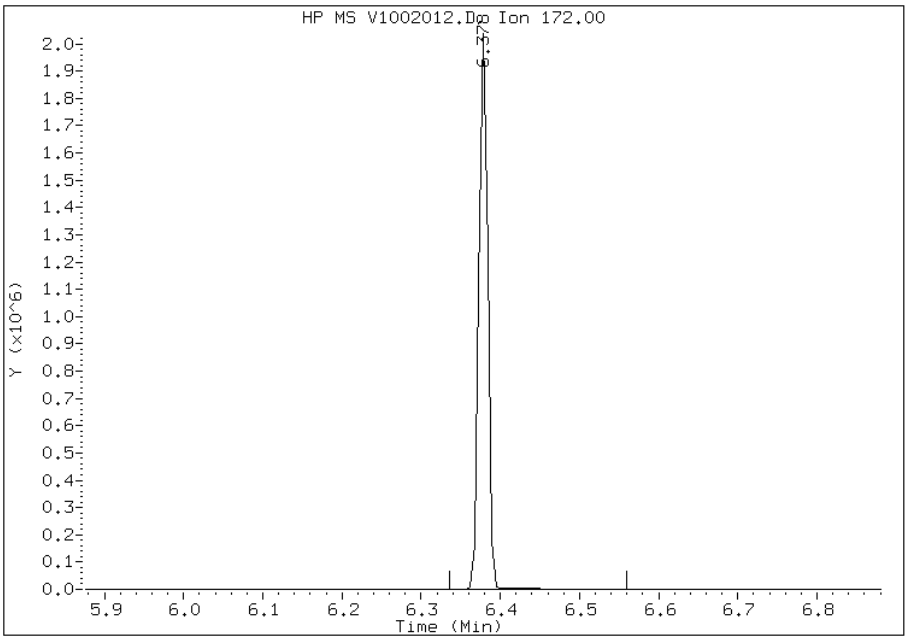
Manual Integration Results

RT: 6.38

Response: 1539889

Amount: 24

Conc: 24



Manually Integrated By: piccolinov
Modification Date: 03-Oct-2012 05:23
Manual Integration Reason: Peak Not Found

Manual Integration Report

Data File: V1002012.D
Inj. Date and Time: 02-OCT-2012 13:33
Instrument ID: 731.i
Client ID: TMP-2
Compound: 156 Terphenyl-d14
CAS #: 1718-51-0
Report Date: 10/03/2012

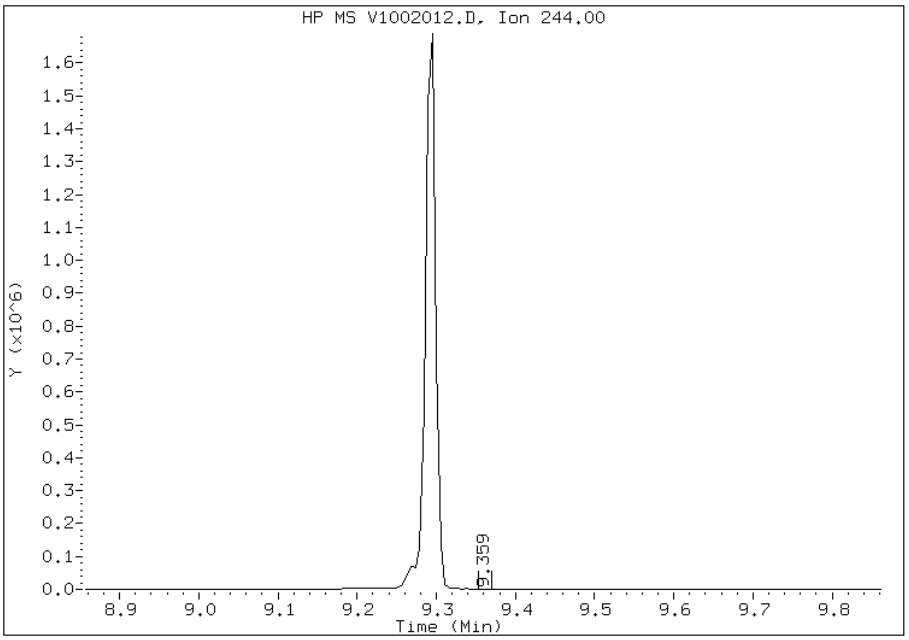
Processing Integration Results

RT: 9.36

Response: 870

Amount: 0

Conc: 0



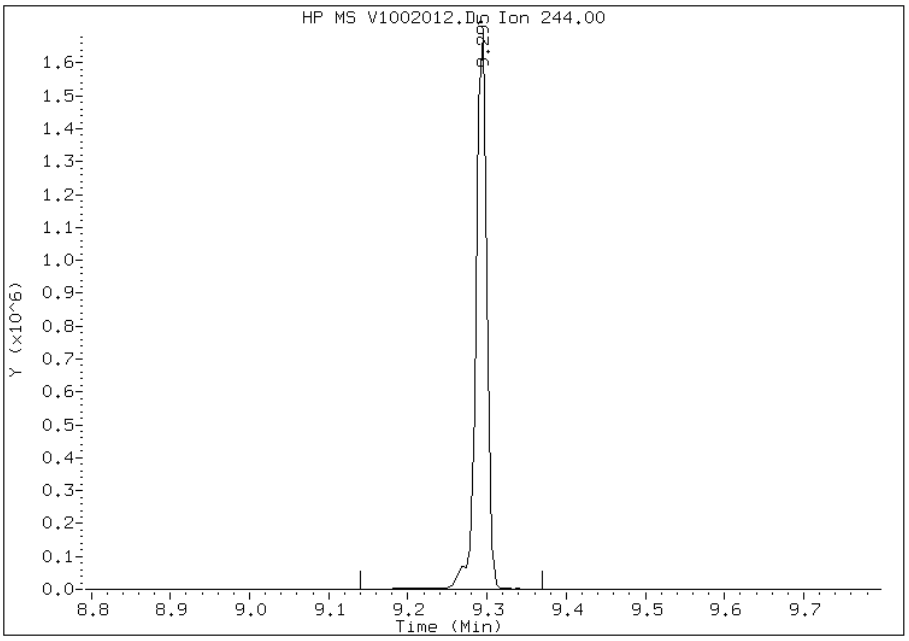
Manual Integration Results

RT: 9.30

Response: 1589176

Amount: 38

Conc: 38



Manually Integrated By: piccolinov
Modification Date: 03-Oct-2012 05:23
Manual Integration Reason: Peak Not Found

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14654-1

SDG No.:

Client Sample ID: MW-107 | Lab Sample ID: 180-14654-3

Matrix: Water | Lab File ID: V1002013.D

Analysis Method: 8270C LL | Date Collected: 09/20/2012 08:05

Extract. Method: 3520C | Date Extracted: 09/27/2012 15:47

Sample wt/vol: 1040(mL) | Date Analyzed: 10/02/2012 13:57

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.: 50568 | 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	3.0		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	0.041	J	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.: 180-14654-1

SDG No.:

Client Sample ID: MW-107 | Lab Sample ID: 180-14654-3

Matrix: Water | Lab File ID: V1002013.D

Analysis Method: 8270C LL | Date Collected: 09/20/2012 08:05

Extract. Method: 3520C | Date Extracted: 09/27/2012 15:47

Sample wt/vol: 1040(mL) | Date Analyzed: 10/02/2012 13:57

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.: 50568 | 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	0.022	J	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	0.031	J	0.19	0.015
108-95-2	Phenol	ND		0.19	0.056
85-01-8	Phenanthrene	0.058	J	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.: 180-14654-1

SDG No.:

Client Sample ID: MW-107 | Lab Sample ID: 180-14654-3

Matrix: Water | Lab File ID: V1002013.D

Analysis Method: 8270C LL | Date Collected: 09/20/2012 08:05

Extract. Method: 3520C | Date Extracted: 09/27/2012 15:47

Sample wt/vol: 1040(mL) | Date Analyzed: 10/02/2012 13:57

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.: 50568 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	78		16-122
321-60-8	2-Fluorobiphenyl	65		19-107
367-12-4	2-Fluorophenol	55		10-111
4165-60-0	Nitrobenzene-d5	66		23-112
4165-62-2	Phenol-d5	54		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\TV100212.b\V1002013.D
Lab Smp Id: 180-14654-B-3-A Client Smp ID: MW-107
Inj Date : 02-OCT-2012 13:57
Operator : 003200 Inst ID: 731.i
Smp Info : 180-14654-B-3-A
Misc Info : 180-14654-B-3-A
Comment :
Method : \\PITSVR06\D\chem\731.i\TV100212.b\T8270ll.m
Meth Date : 02-Oct-2012 08:29 piccolinov Quant Type: ISTD
Cal Date : 12-SEP-2012 13:48 Cal File: V0912IC8.D
Als bottle: 15
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	4.583	4.594	(1.000)	172379	8.00000	
* 2 Naphthalene-d8	136	5.555	5.572	(1.000)	661986	8.00000	
* 3 Acenaphthene-d10	164	6.901	6.929	(1.000)	369478	8.00000	
* 4 Phenanthrene-d10	188	8.055	8.083	(1.000)	569247	8.00000	
* 5 Chrysene-d12	240	10.165	10.139	(1.000)	409554	8.00000	
* 6 Perylene-d12	264	11.618	11.582	(1.000)	451383	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	4.235	4.247	(0.924)	1295	0.09691	0.096907
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	5.347	5.364	(0.962)	50485	3.05252	3.0525
50 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51 Naphthalene	128	5.566	5.593	(1.002)	3914	0.04600	0.046002
52 4-Chloroaniline	127	Compound Not Detected.					
54 2,6-Dichlorophenol	162	Compound Not Detected.					
56 Hexachlorobutadiene	224	Compound Not Detected.					
208 Caprolactam	113	5.849	5.866	(1.053)	11365	1.82087	1.8209
59 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
62 2-Methylnaphthalene	142	6.100	6.122	(1.098)	4873	0.08442	0.084423
63 1-Methylnaphthalene	142	6.175	6.202	(1.112)	2839	0.05241	0.052410
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	7.061	7.089	(1.023)	1956	0.02492	0.024920
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	7.222	7.255	(1.046)	8040	0.13929	0.13929
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	8.071	8.099	(1.002)	9956	0.11996	0.11996(M)
116 Anthracene	178	8.108	8.141	(1.007)	1779	0.02114	0.021139
119 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	Compound Not Detected.					
123 Fluoranthene	202	9.006	9.023	(1.118)	2319	0.02685	0.026847
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	9.182	9.199	(0.903)	4239	0.06533	0.065330
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	10.133	10.102	(0.997)	245629	6.17529	6.1753
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	4.999	5.016	(0.900)	664579	26.2261	26.226
$ 155 2-Fluorobiphenyl	172	6.378	6.405	(0.924)	1596518	26.1307	26.131
$ 156 Terphenyl-d14	244	9.289	9.306	(0.914)	1491860	37.9927	37.993
$ 157 Phenol-d5	99	4.326	4.322	(0.944)	921056	32.5888	32.589
$ 158 2-Fluorophenol	112	3.578	3.563	(0.781)	755769	32.8389	32.839
$ 159 2,4,6-Tribromophenol	330	7.510	7.543	(0.932)	308419	46.6523	46.652
$ 186 2-Chlorophenol-d4	132	4.412	4.418	(0.963)	1020892	34.9280	34.928
$ 187 1,2-Dichlorobenzene-d4	152	4.700	4.712	(1.026)	492514	23.5856	23.586

QC Flag Legend

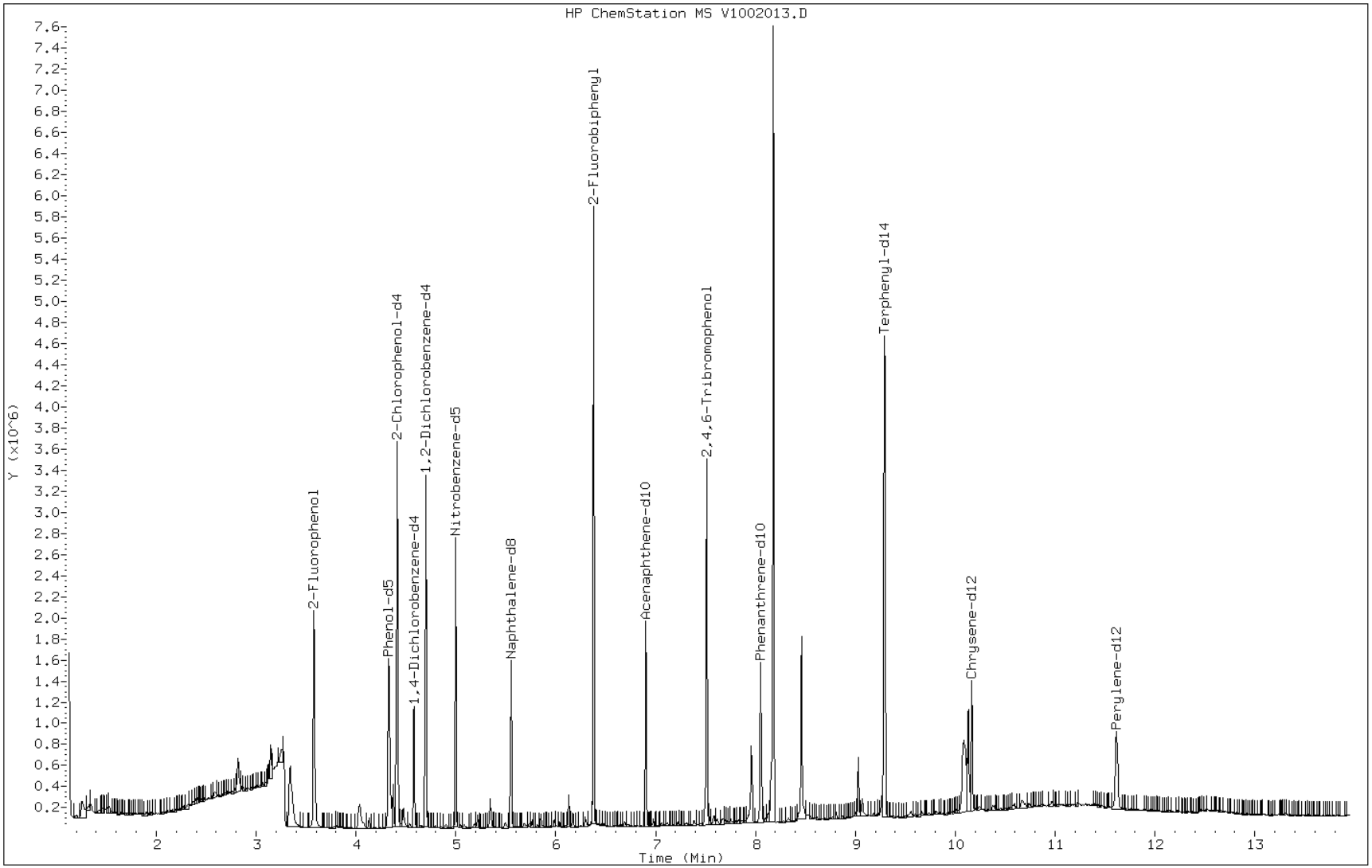
M - Compound response manually integrated.

Data File: V1002013.D

Date: 02-OCT-2012 13:57

Client ID: MW-107 Instrument: 731.i

Sample Info: 180-14654-B-3-A Operator: 003200



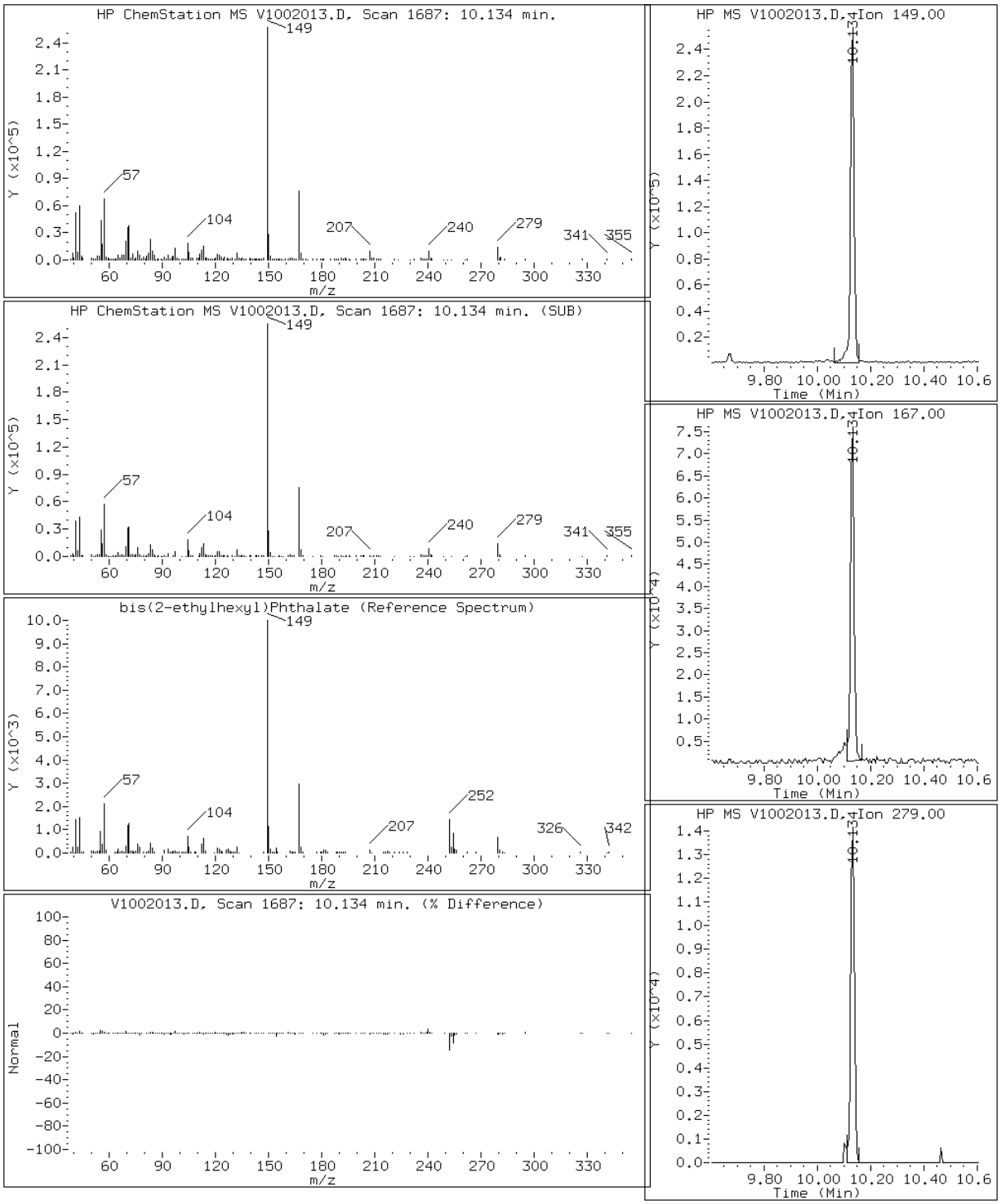
Data File: V1002013.D

Date: 02-OCT-2012 13:57

Client ID: MW-107 Instrument: 731.i

Sample Info: 180-14654-B-3-A Operator: 003200

139 bis(2-ethylhexyl)Phthalate



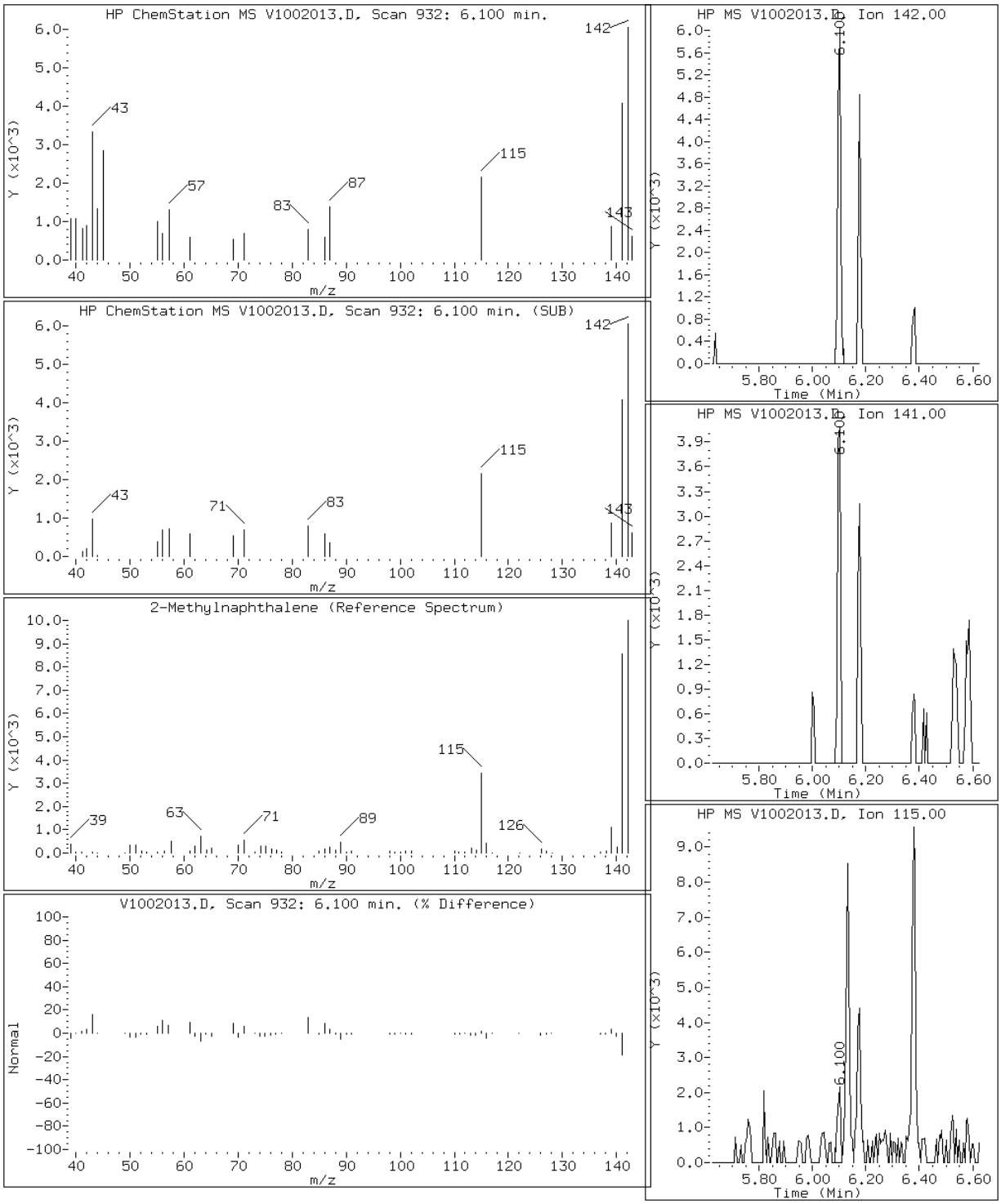
Data File: V1002013.D

Date: 02-OCT-2012 13:57

Client ID: MW-107 Instrument: 731.i

Sample Info: 180-14654-B-3-A Operator: 003200

62 2-Methylnaphthalene



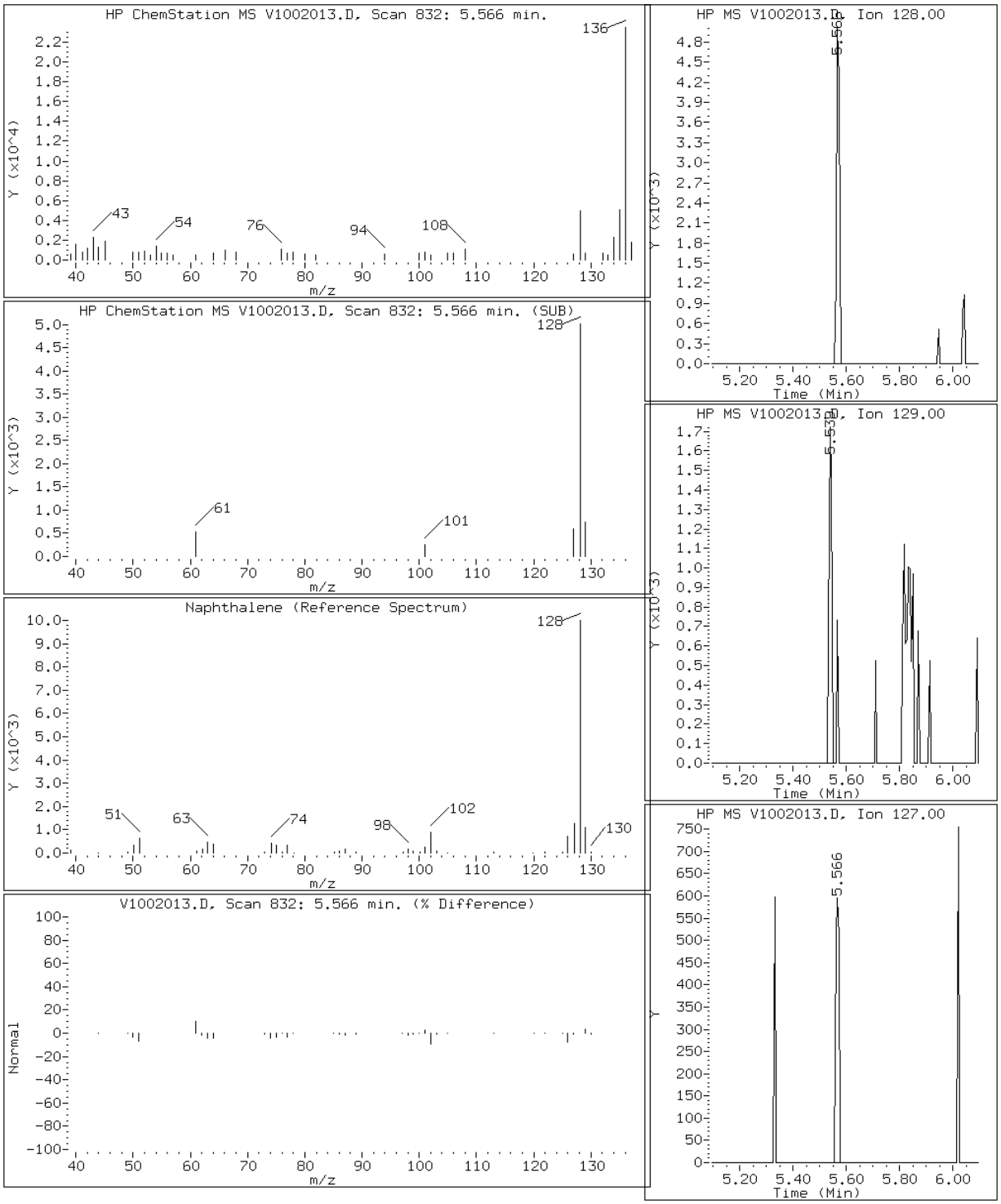
Data File: V1002013.D

Date: 02-OCT-2012 13:57

Client ID: MW-107 Instrument: 731.i

Sample Info: 180-14654-B-3-A Operator: 003200

51 Naphthalene



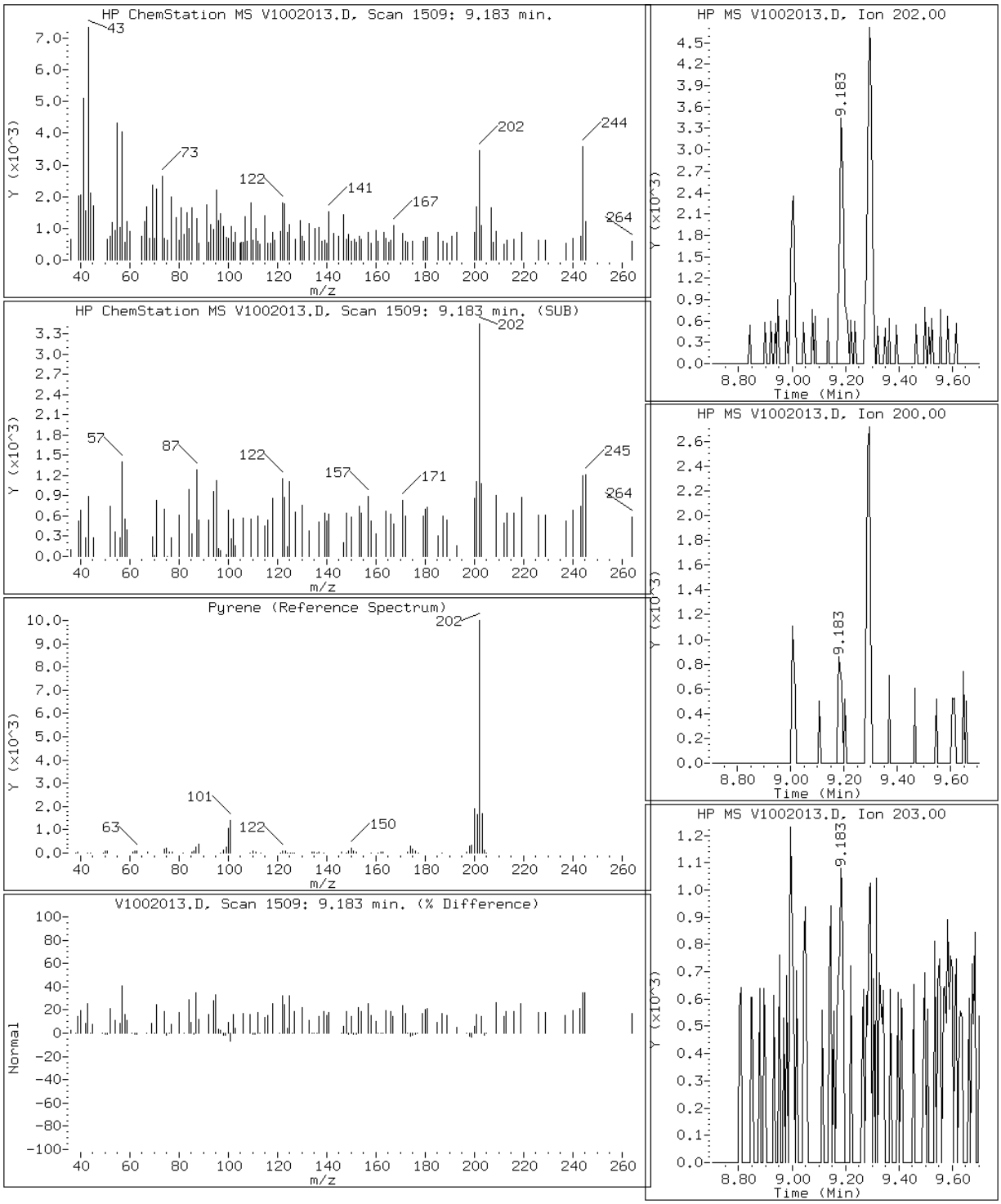
Data File: V1002013.D

Date: 02-OCT-2012 13:57

Client ID: MW-107 Instrument: 731.i

Sample Info: 180-14654-B-3-A Operator: 003200

125 Pyrene



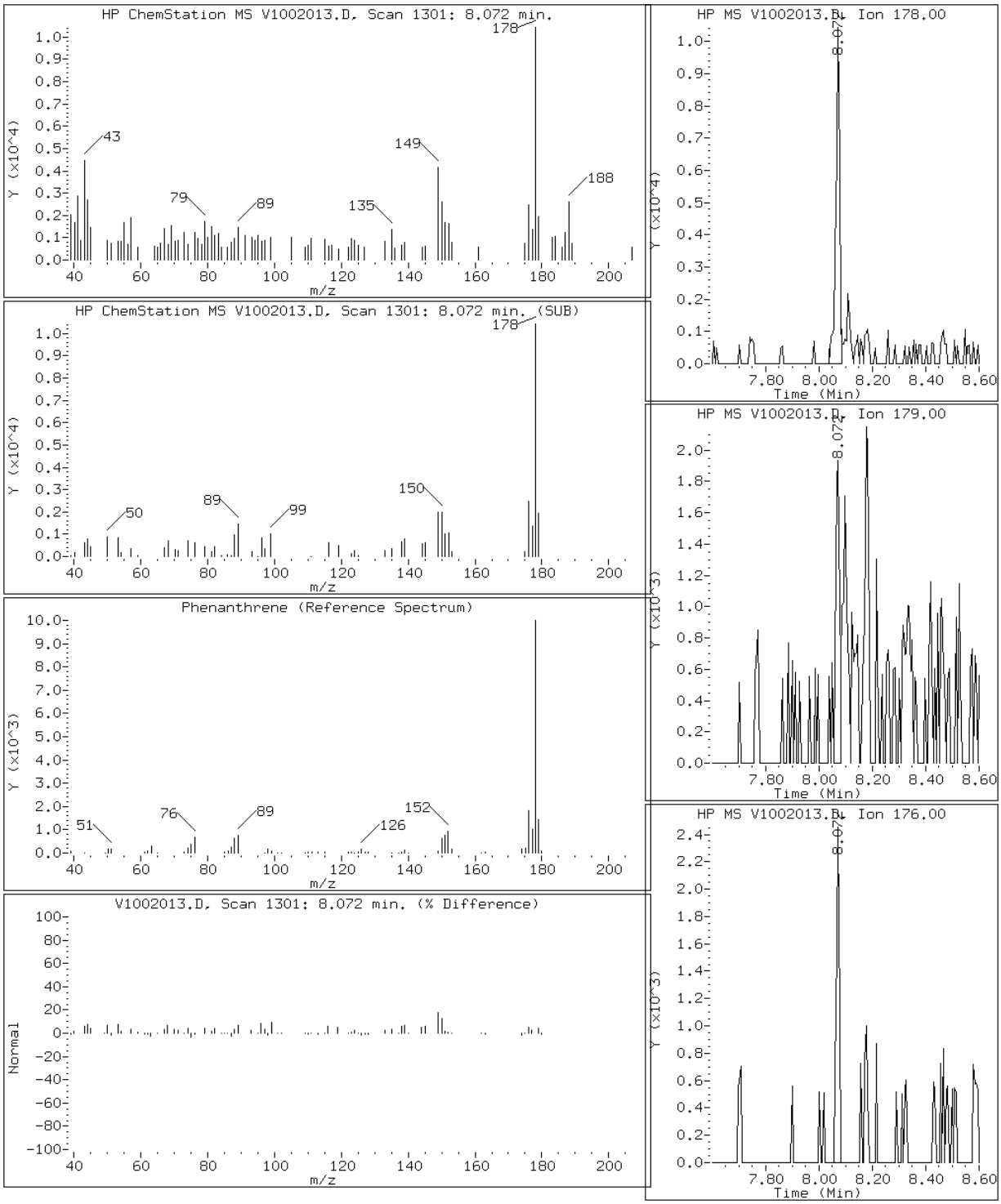
Data File: V1002013.D

Date: 02-OCT-2012 13:57

Client ID: MW-107 Instrument: 731.i

Sample Info: 180-14654-B-3-A Operator: 003200

115 Phenanthrene



Manual Integration Report

Data File: V1002013.D
Inj. Date and Time: 02-OCT-2012 13:57
Instrument ID: 731.i
Client ID: MW-107
Compound: 115 Phenanthrene
CAS #: 85-01-8
Report Date: 10/03/2012

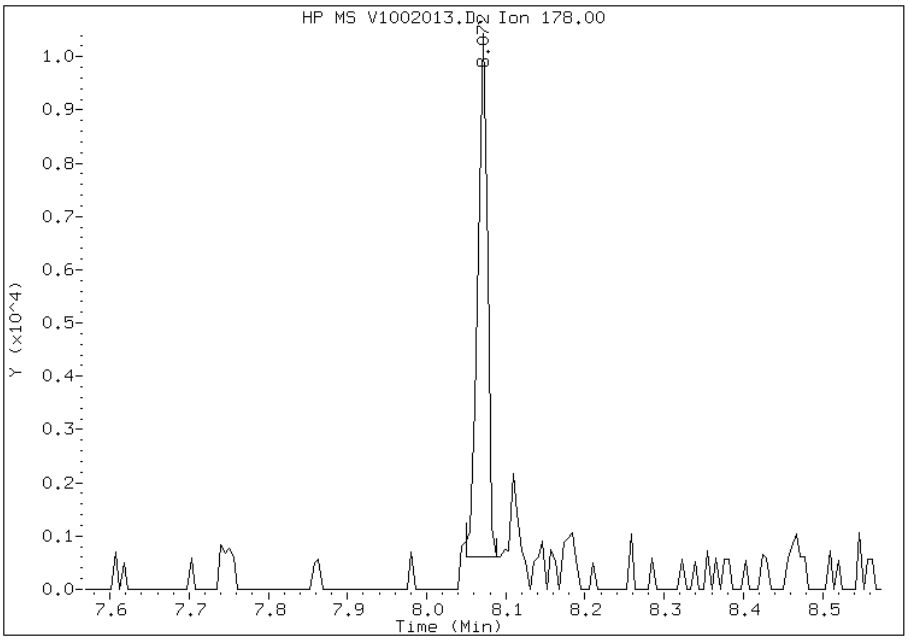
Processing Integration Results

RT: 8.07

Response: 8151

Amount: 0

Conc: 0



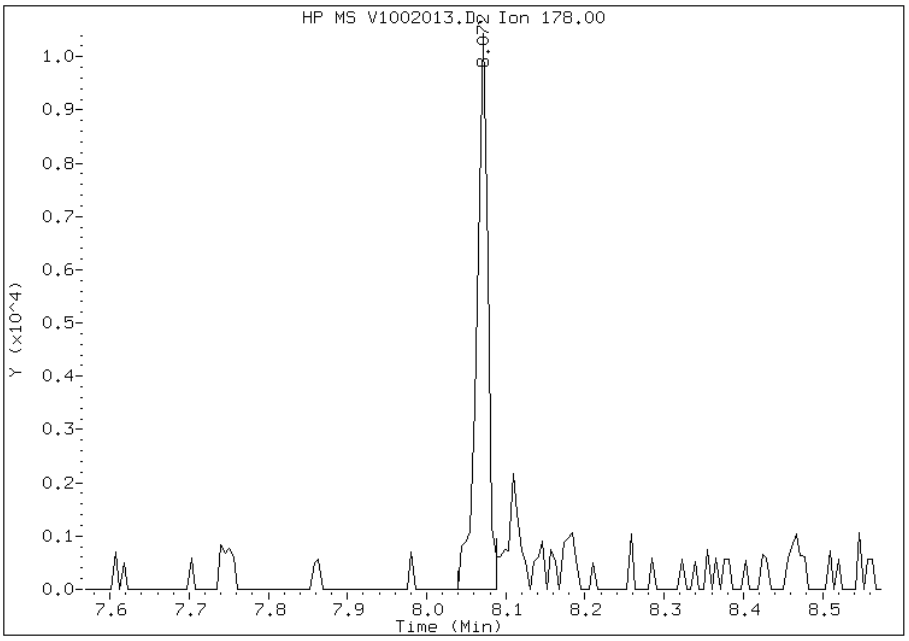
Manual Integration Results

RT: 8.07

Response: 9956

Amount: 0

Conc: 0



Manually Integrated By: piccolinov
Modification Date: 03-Oct-2012 05:24
Manual Integration Reason: Poor Chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14654-1

SDG No.:

Client Sample ID: MW-111 | Lab Sample ID: 180-14654-4

Matrix: Water | Lab File ID: V1002014.D

Analysis Method: 8270C LL | Date Collected: 09/20/2012 10:00

Extract. Method: 3520C | Date Extracted: 09/27/2012 15:47

Sample wt/vol: 1040(mL) | Date Analyzed: 10/02/2012 14:20

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.: 50568 | 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.: 180-14654-1

SDG No.:

Client Sample ID: MW-111 | Lab Sample ID: 180-14654-4

Matrix: Water | Lab File ID: V1002014.D

Analysis Method: 8270C LL | Date Collected: 09/20/2012 10:00

Extract. Method: 3520C | Date Extracted: 09/27/2012 15:47

Sample wt/vol: 1040(mL) | Date Analyzed: 10/02/2012 14:20

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.: 50568 | 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.: 180-14654-1

SDG No.:

Client Sample ID: MW-111 | Lab Sample ID: 180-14654-4

Matrix: Water | Lab File ID: V1002014.D

Analysis Method: 8270C LL | Date Collected: 09/20/2012 10:00

Extract. Method: 3520C | Date Extracted: 09/27/2012 15:47

Sample wt/vol: 1040(mL) | Date Analyzed: 10/02/2012 14:20

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.: 50568 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	81		16-122
321-60-8	2-Fluorobiphenyl	69		19-107
367-12-4	2-Fluorophenol	66		10-111
4165-60-0	Nitrobenzene-d5	72		23-112
4165-62-2	Phenol-d5	71		15-112
1718-51-0	Terphenyl-d14	99		10-132

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV100212.b\V1002014.D
Lab Smp Id: 180-14654-B-4-A Client Smp ID: MW-111
Inj Date : 02-OCT-2012 14:20
Operator : 003200 Inst ID: 731.i
Smp Info : 180-14654-B-4-A
Misc Info : 180-14654-B-4-A
Comment :
Method : \\PITSVR06\D\chem\731.i\TV100212.b\T8270ll.m
Meth Date : 02-Oct-2012 08:29 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	4.578	4.594	(1.000)	183842	8.00000	
* 2 Naphthalene-d8	136	5.550	5.572	(1.000)	722379	8.00000	
* 3 Acenaphthene-d10	164	6.902	6.929	(1.000)	414898	8.00000	
* 4 Phenanthrene-d10	188	8.050	8.083	(1.000)	623409	8.00000	
* 5 Chrysene-d12	240	10.166	10.139	(1.000)	446742	8.00000	
* 6 Perylene-d12	264	11.619	11.582	(1.000)	460245	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	5.315	5.364	(0.958)	3770	0.20889	0.20889
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.					

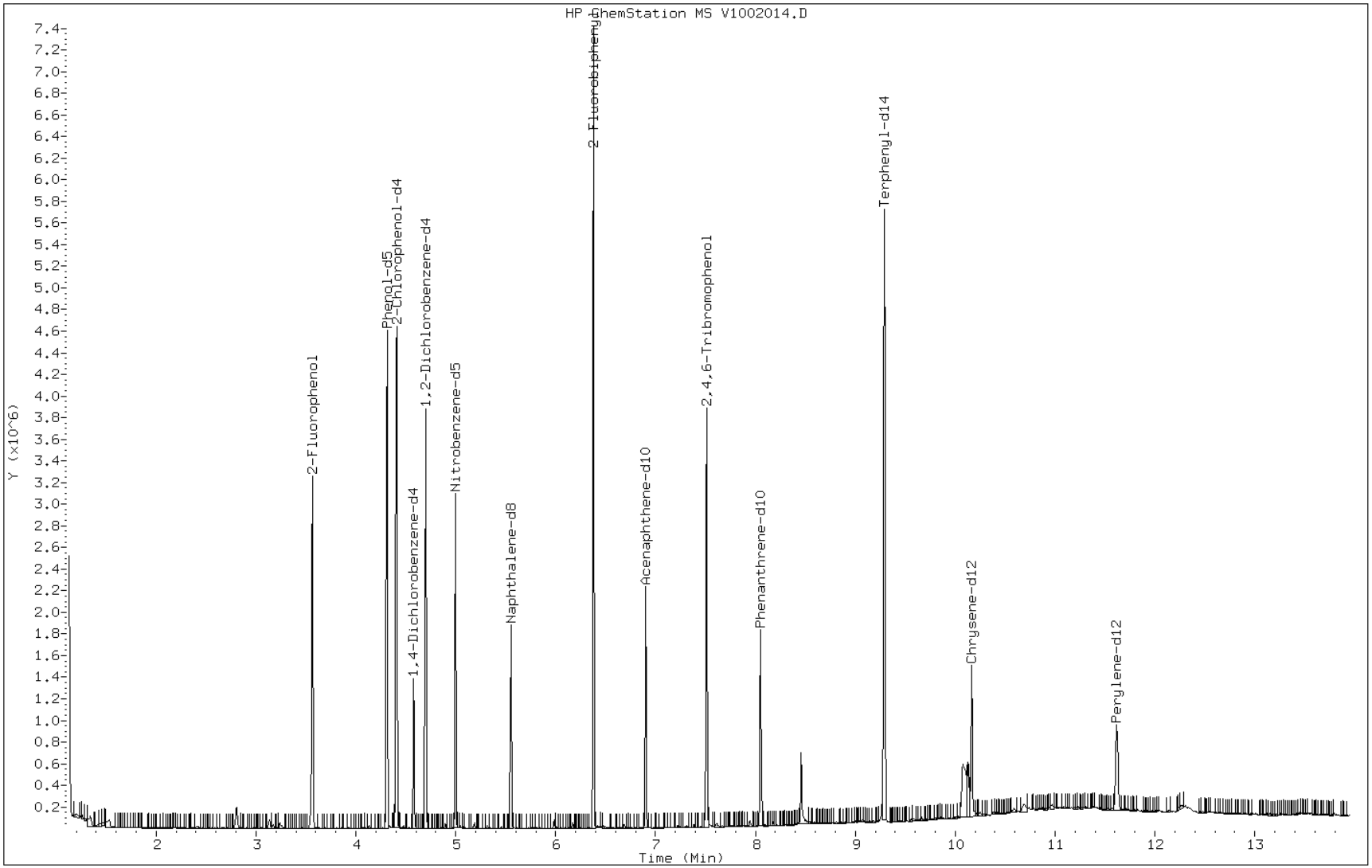
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
136 Benzo(a)Anthracene	228	Compound Not Detected.					
137 Chrysene	228	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	10.129	10.102	(0.996)	77764	1.79230	1.7923
140 Di-n-octylphthalate	149	Compound 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	4.995	5.016	(0.900)	791918	28.6385	28.638
$ 155 2-Fluorobiphenyl	172	6.378	6.405	(0.924)	1887688	27.5141	27.514
$ 156 Terphenyl-d14	244	9.290	9.306	(0.914)	1700520	39.7016	39.702
$ 157 Phenol-d5	99	4.311	4.322	(0.942)	1284358	42.6096	42.610
$ 158 2-Fluorophenol	112	3.563	3.563	(0.778)	973841	39.6759	39.676
$ 159 2,4,6-Tribromophenol	330	7.511	7.543	(0.933)	351939	48.6101	48.610
$ 186 2-Chlorophenol-d4	132	4.407	4.418	(0.963)	1295395	41.5562	41.556
$ 187 1,2-Dichlorobenzene-d4	152	4.696	4.712	(1.026)	578233	25.9640	25.964

Data File: V1002014.D

Date: 02-OCT-2012 14:20

Client ID: MW-111 Instrument: 731.i

Sample Info: 180-14654-B-4-A Operator: 003200



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14654-1

SDG No.:

Client Sample ID: MW-103 | Lab Sample ID: 180-14654-6

Matrix: Water | Lab File ID: V1002015.D

Analysis Method: 8270C LL | Date Collected: 09/20/2012 07:45

Extract. Method: 3520C | Date Extracted: 09/27/2012 15:47

Sample wt/vol: 1040(mL) | Date Analyzed: 10/02/2012 14:44

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.: 50568 | 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.: 180-14654-1

SDG No.:

Client Sample ID: MW-103 | Lab Sample ID: 180-14654-6

Matrix: Water | Lab File ID: V1002015.D

Analysis Method: 8270C LL | Date Collected: 09/20/2012 07:45

Extract. Method: 3520C | Date Extracted: 09/27/2012 15:47

Sample wt/vol: 1040(mL) | Date Analyzed: 10/02/2012 14:44

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.: 50568 | 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	0.14	J	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	0.92	J	1.9	0.14

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14654-1

SDG No.:

Client Sample ID: MW-103 | Lab Sample ID: 180-14654-6

Matrix: Water | Lab File ID: V1002015.D

Analysis Method: 8270C LL | Date Collected: 09/20/2012 07:45

Extract. Method: 3520C | Date Extracted: 09/27/2012 15:47

Sample wt/vol: 1040(mL) | Date Analyzed: 10/02/2012 14:44

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.: 50568 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	87		16-122
321-60-8	2-Fluorobiphenyl	75		19-107
367-12-4	2-Fluorophenol	75		10-111
4165-60-0	Nitrobenzene-d5	80		23-112
4165-62-2	Phenol-d5	79		15-112
1718-51-0	Terphenyl-d14	98		10-132

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV100212.b\V1002015.D
Lab Smp Id: 180-14654-B-6-A Client Smp ID: MW-103
Inj Date : 02-OCT-2012 14:44
Operator : 003200 Inst ID: 731.i
Smp Info : 180-14654-B-6-A
Misc Info : 180-14654-B-6-A
Comment :
Method : \\PITSVR06\D\chem\731.i\TV100212.b\T8270ll.m
Meth Date : 02-Oct-2012 08:29 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	4.578	4.594	(1.000)	171141	8.00000	
* 2 Naphthalene-d8	136	5.545	5.572	(1.000)	647552	8.00000	
* 3 Acenaphthene-d10	164	6.897	6.929	(1.000)	361512	8.00000	
* 4 Phenanthrene-d10	188	8.045	8.083	(1.000)	542887	8.00000	
* 5 Chrysene-d12	240	10.166	10.139	(1.000)	411271	8.00000	
* 6 Perylene-d12	264	11.619	11.582	(1.000)	456440	8.00000	
198 1,4-Dioxane	88	1.464	1.437	(0.320)	12788	1.90565	1.9056(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	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	5.364	(0.958)	4883	0.30183	0.30182
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	7.217	7.255	(1.046)	16985	0.30075	0.30075
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	8.067	8.099	(1.003)	3155	0.03986	0.039862
116 Anthracene	178	Compound Not Detected.					
119 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	8.478	8.510	(1.054)	8514	0.09912	0.099117
123 Fluoranthene	202	Compound Not Detected.					
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	Compound Not Detected.					
131 Butylbenzylphthalate	149	9.664	9.664	(0.951)	4540	0.16100	0.16100
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	10.129	10.102	(0.996)	90025	2.25384	2.2538
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	4.995	5.016	(0.901)	790161	31.8769	31.877
$ 155 2-Fluorobiphenyl	172	6.373	6.405	(0.924)	1791582	29.9696	29.970
$ 156 Terphenyl-d14	244	9.290	9.306	(0.914)	1551534	39.3474	39.347(M)
$ 157 Phenol-d5	99	4.306	4.322	(0.940)	1331095	47.4375	47.437
$ 158 2-Fluorophenol	112	3.563	3.563	(0.778)	1025347	44.8746	44.874
$ 159 2,4,6-Tribromophenol	330	7.506	7.543	(0.933)	329911	52.3263	52.326
$ 186 2-Chlorophenol-d4	132	4.402	4.418	(0.961)	1345230	46.3576	46.358
$ 187 1,2-Dichlorobenzene-d4	152	4.696	4.712	(1.026)	568755	27.4337	27.434

QC Flag Legend

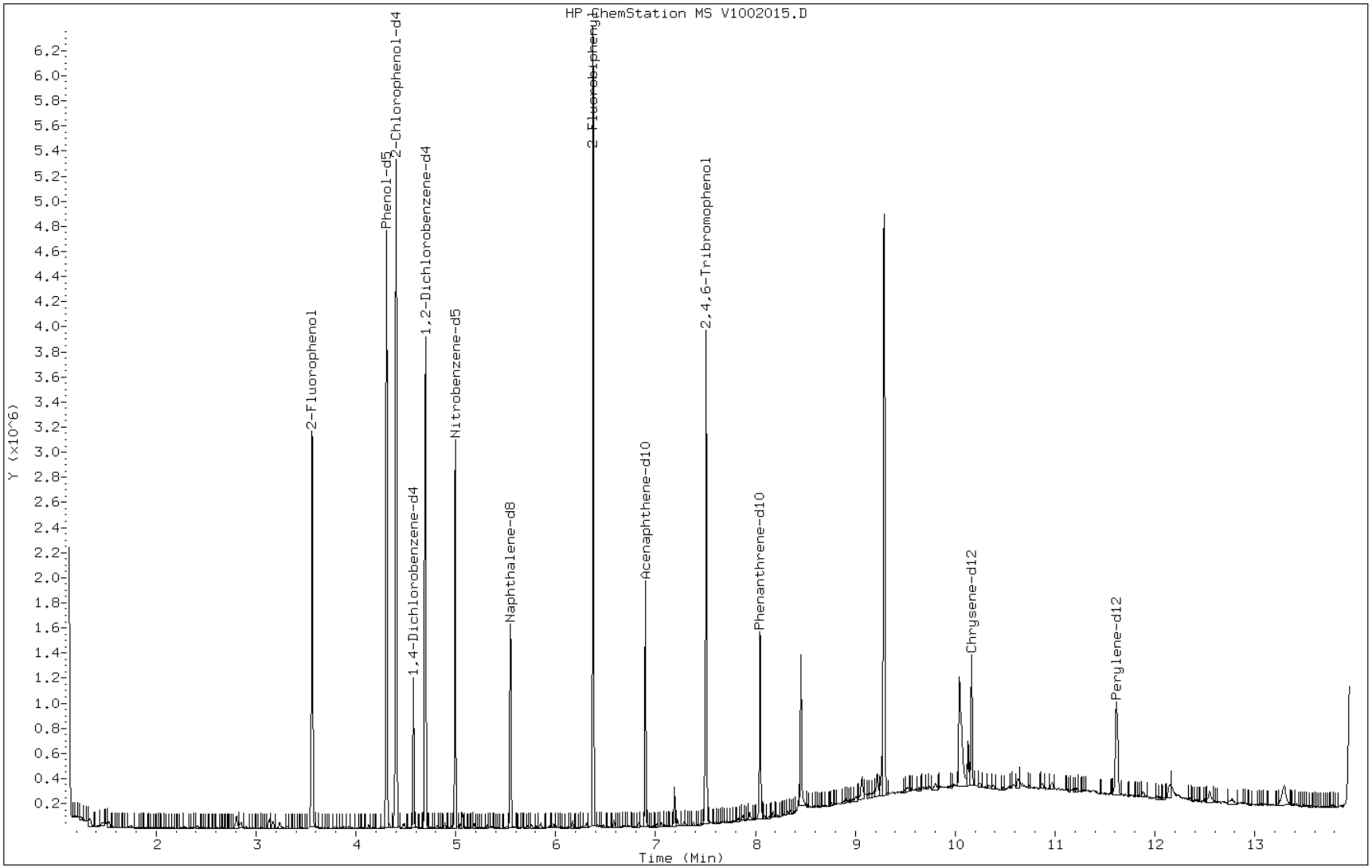
M - Compound response manually integrated.

Data File: V1002015.D

Date: 02-OCT-2012 14:44

Client ID: MW-103 Instrument: 731.i

Sample Info: 180-14654-B-6-A Operator: 003200



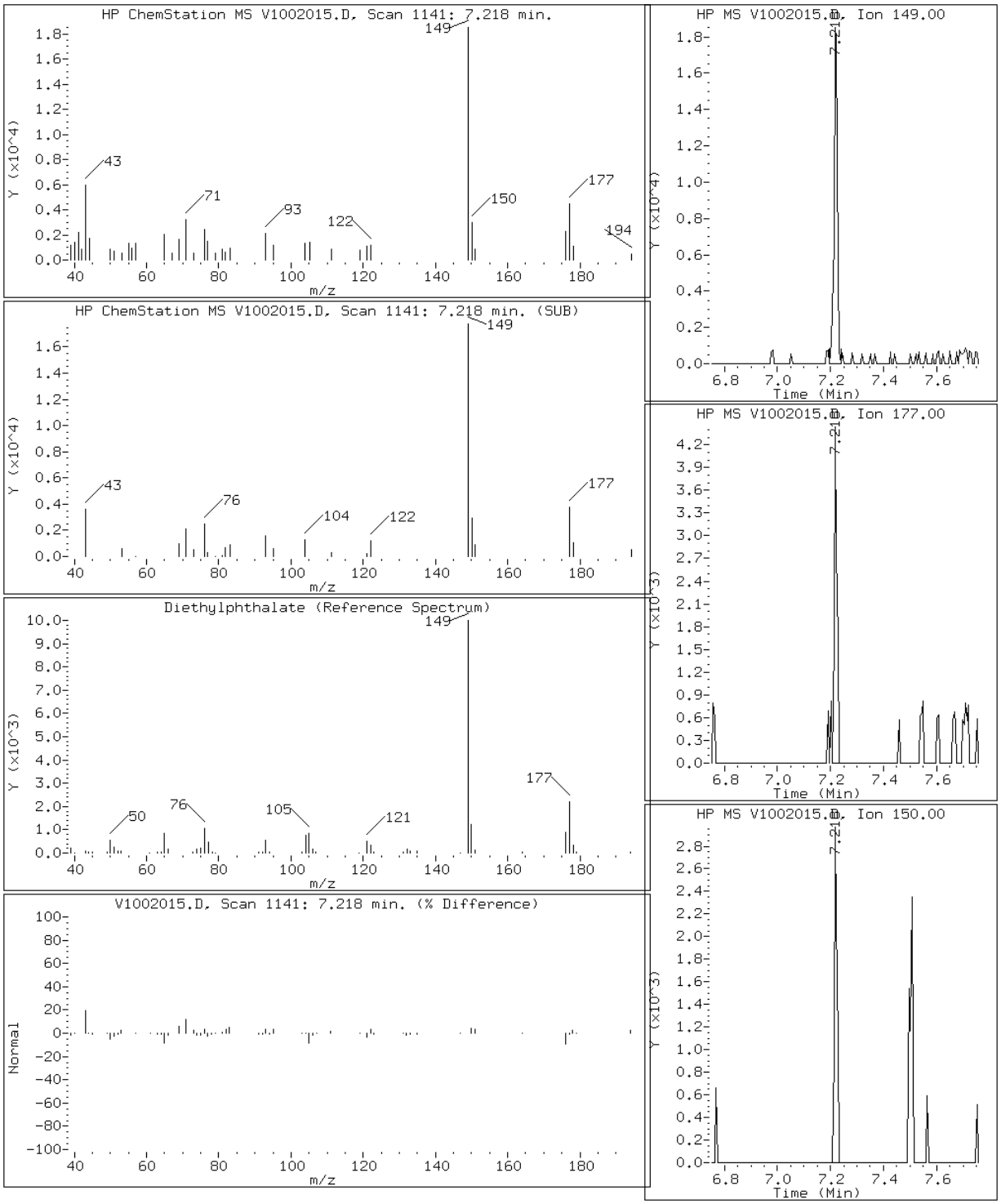
Data File: V1002015.D

Date: 02-OCT-2012 14:44

Client ID: MW-103 Instrument: 731.i

Sample Info: 180-14654-B-6-A Operator: 003200

93 Diethylphthalate



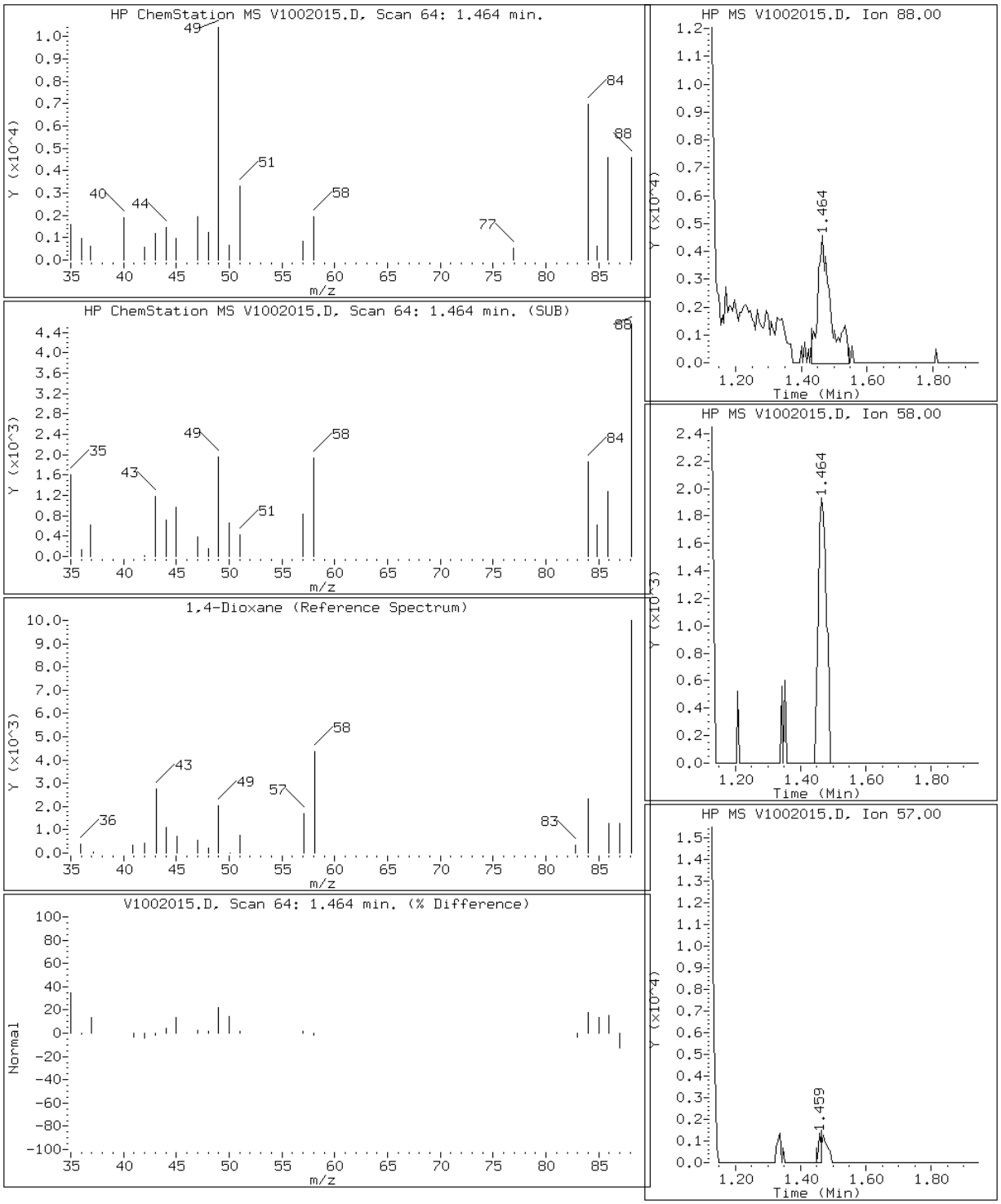
Data File: V1002015.D

Date: 02-OCT-2012 14:44

Client ID: MW-103 Instrument: 731.i

Sample Info: 180-14654-B-6-A Operator: 003200

198 1,4-Dioxane



Manual Integration Report

Data File: V1002015.D
Inj. Date and Time: 02-OCT-2012 14:44
Instrument ID: 731.i
Client ID: MW-103
Compound: 156 Terphenyl-d14
CAS #: 1718-51-0
Report Date: 10/03/2012

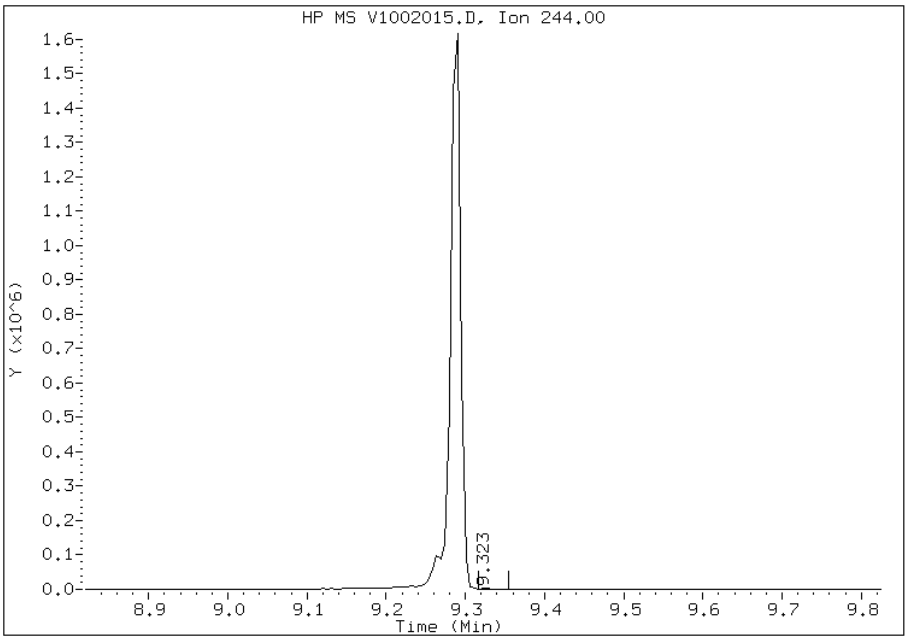
Processing Integration Results

RT: 9.32

Response: 3214

Amount: 0

Conc: 0



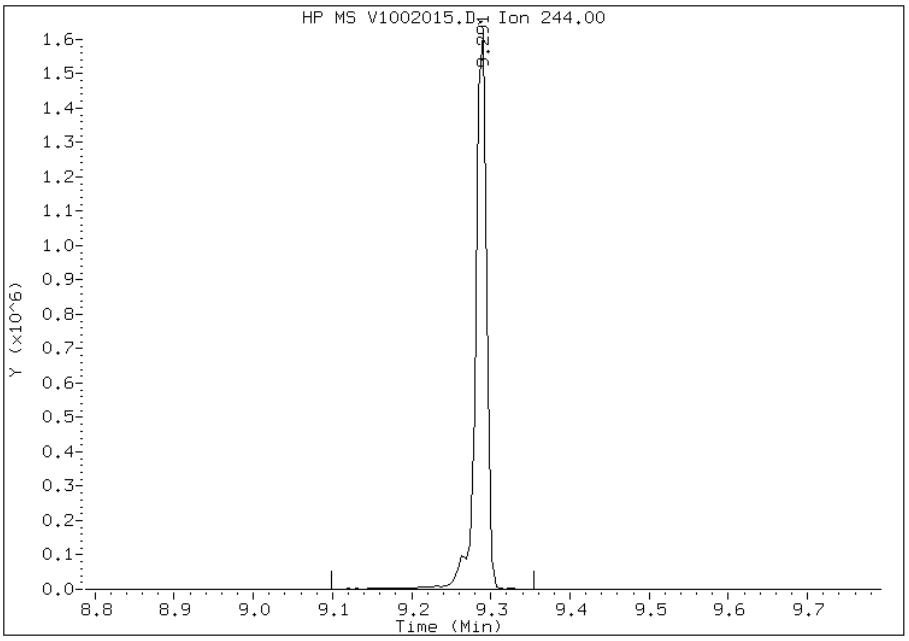
Manual Integration Results

RT: 9.29

Response: 1551534

Amount: 39

Conc: 39



Manually Integrated By: piccolinov
Modification Date: 03-Oct-2012 05:28
Manual Integration Reason: Peak Not Found

Manual Integration Report

Data File: V1002015.D
Inj. Date and Time: 02-OCT-2012 14:44
Instrument ID: 731.i
Client ID: MW-103
Compound: 198 1,4-Dioxane
CAS #: 123-91-1
Report Date: 10/03/2012

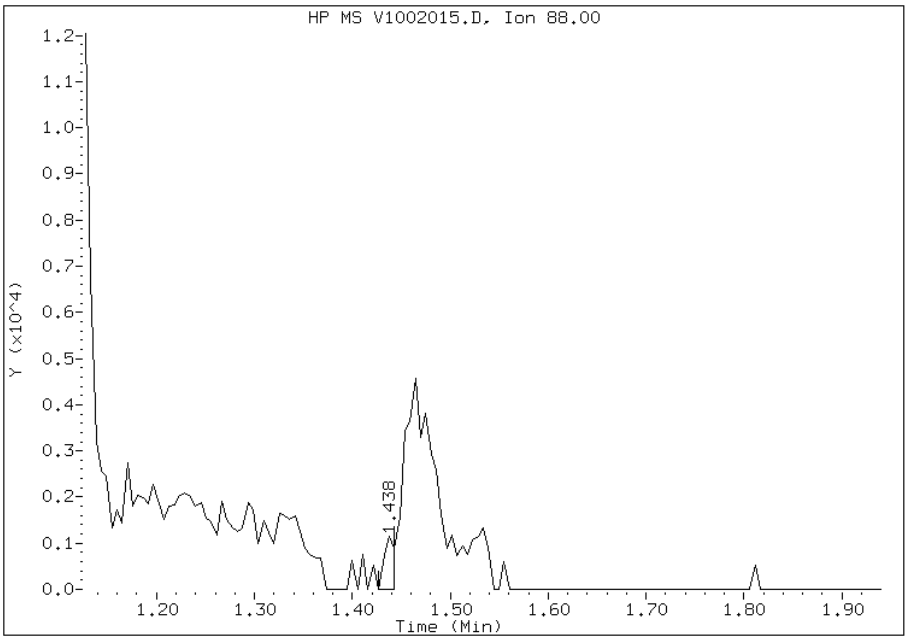
Processing Integration Results

RT: 1.44

Response: 882

Amount: 0

Conc: 0



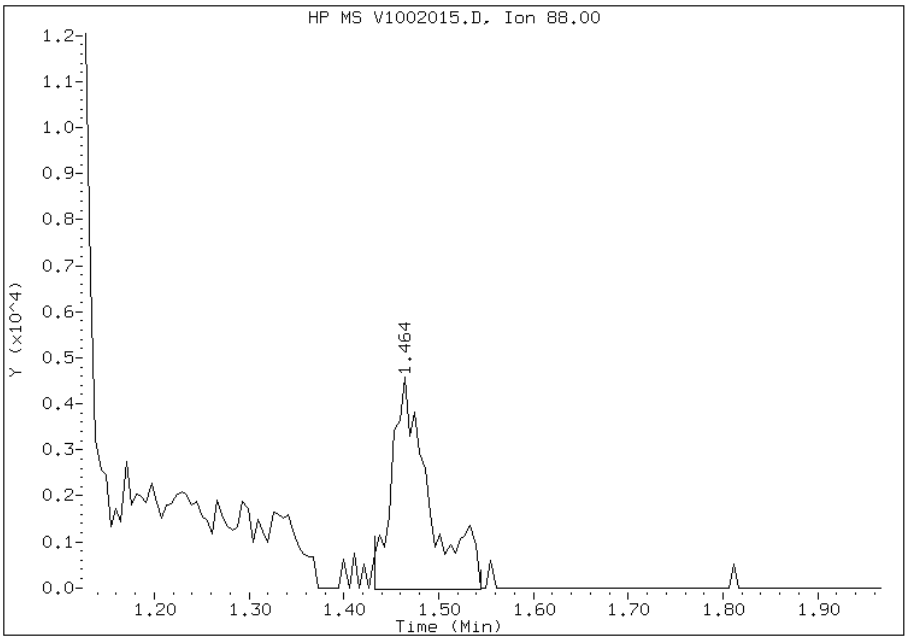
Manual Integration Results

RT: 1.46

Response: 12788

Amount: 2

Conc: 2



Manually Integrated By: piccolinov
Modification Date: 03-Oct-2012 05:27
Manual Integration Reason: Poor Chromatography

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1 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.: 180-14654-1 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.: 180-14654-1 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.: 180-14654-1 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.: 180-14654-1 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.: 180-14654-1 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.: 180-14654-1 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.: 180-14654-1 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.: 180-14654-1 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.: 180-14654-1 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

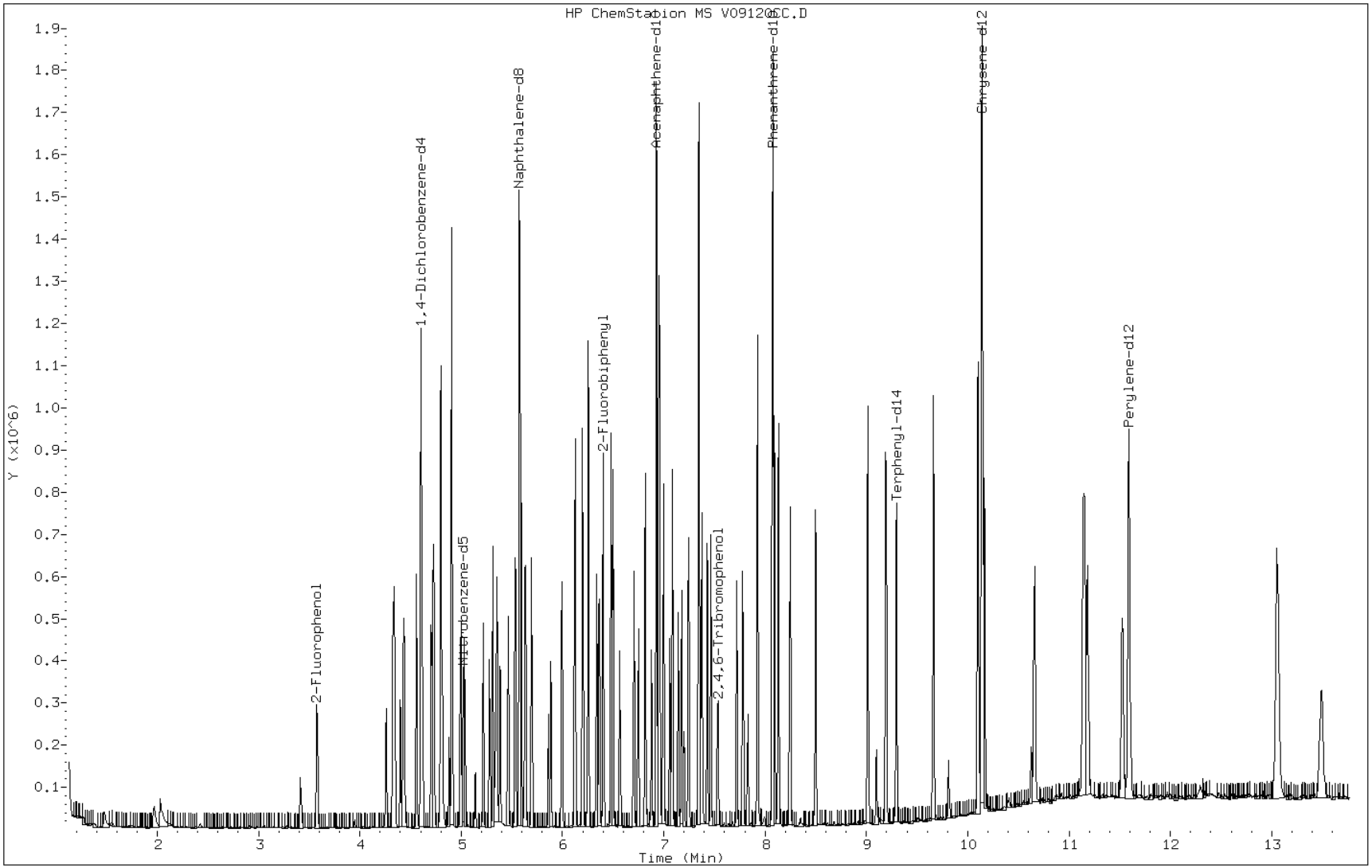
M - Compound response manually integrated.

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

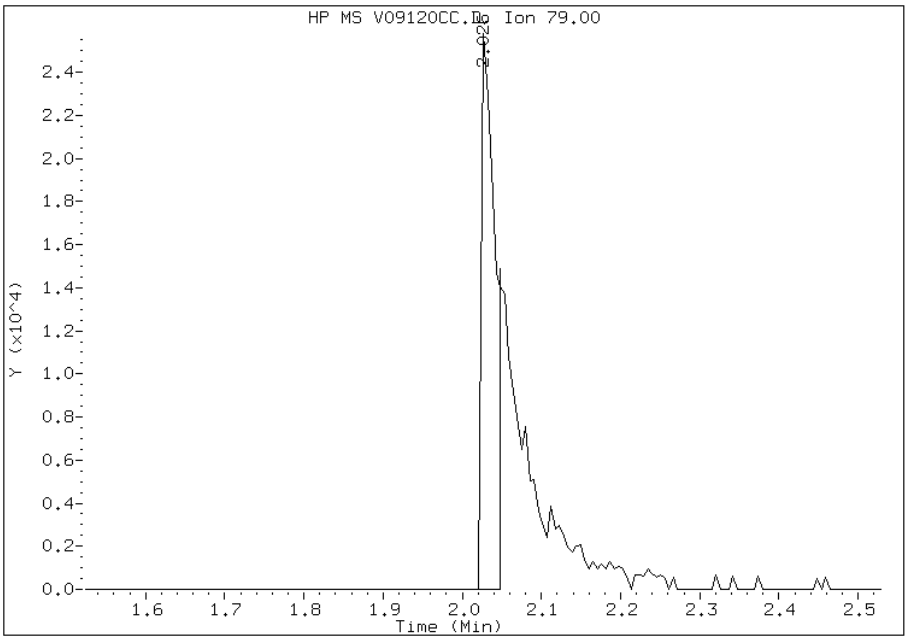
Processing Integration Results

RT: 2.03

Response: 31042

Amount: 4

Conc: 4



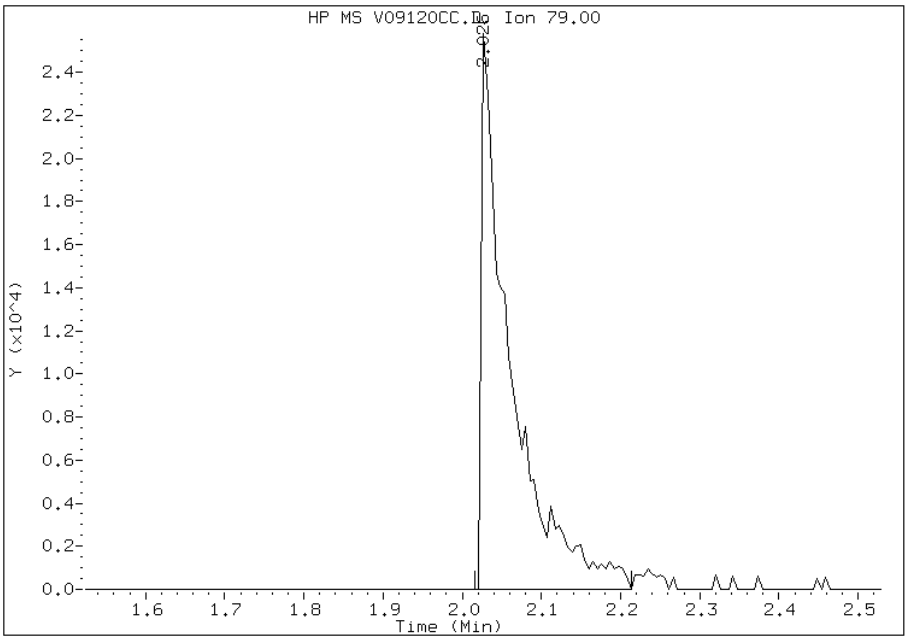
Manual Integration Results

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

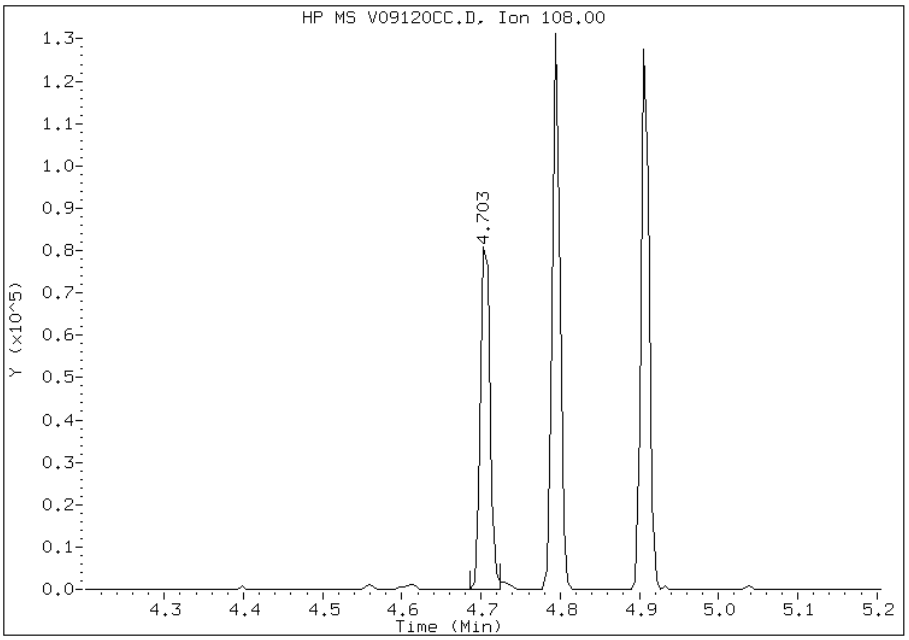
Processing Integration Results

RT: 4.70

Response: 66724

Amount: 4

Conc: 4



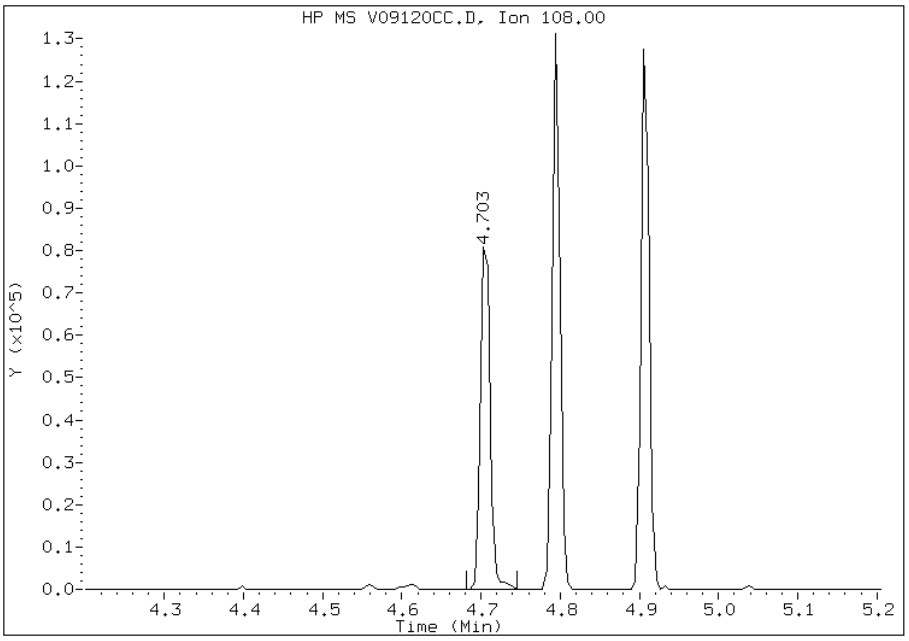
Manual Integration Results

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

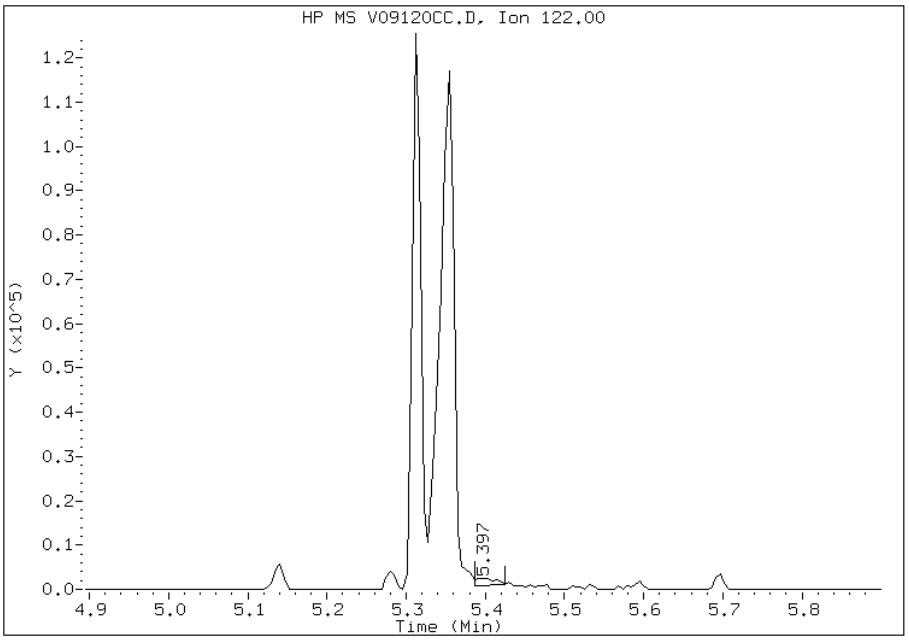
Processing Integration Results

RT: 5.40

Response: 2824

Amount: 10

Conc: 10



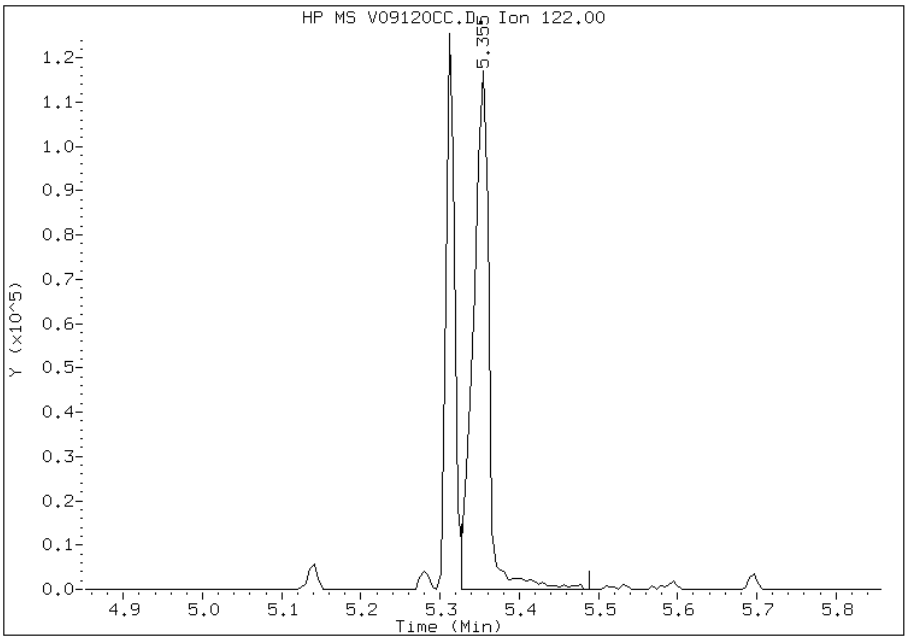
Manual Integration Results

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

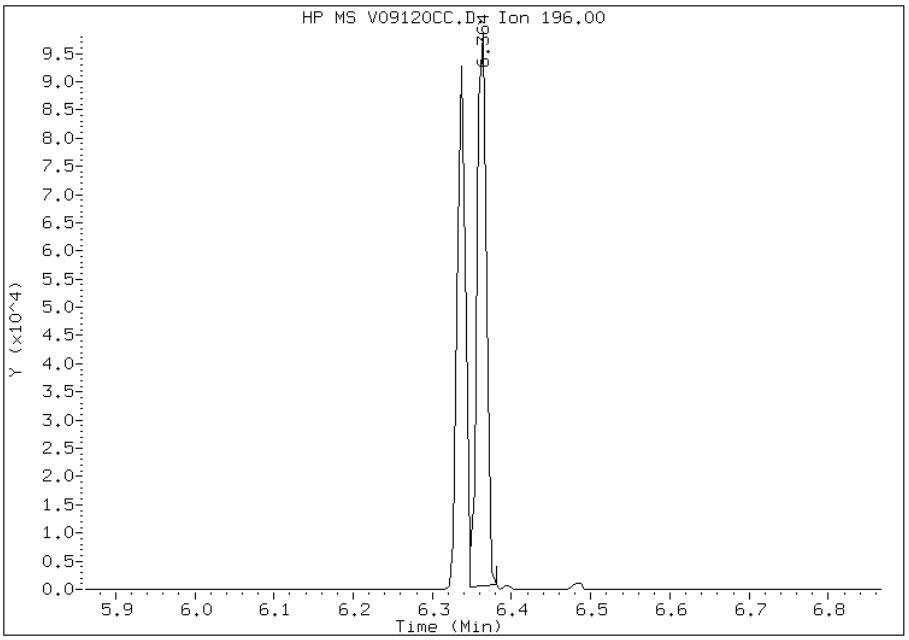
Processing Integration Results

RT: 6.36

Response: 78701

Amount: 4

Conc: 4



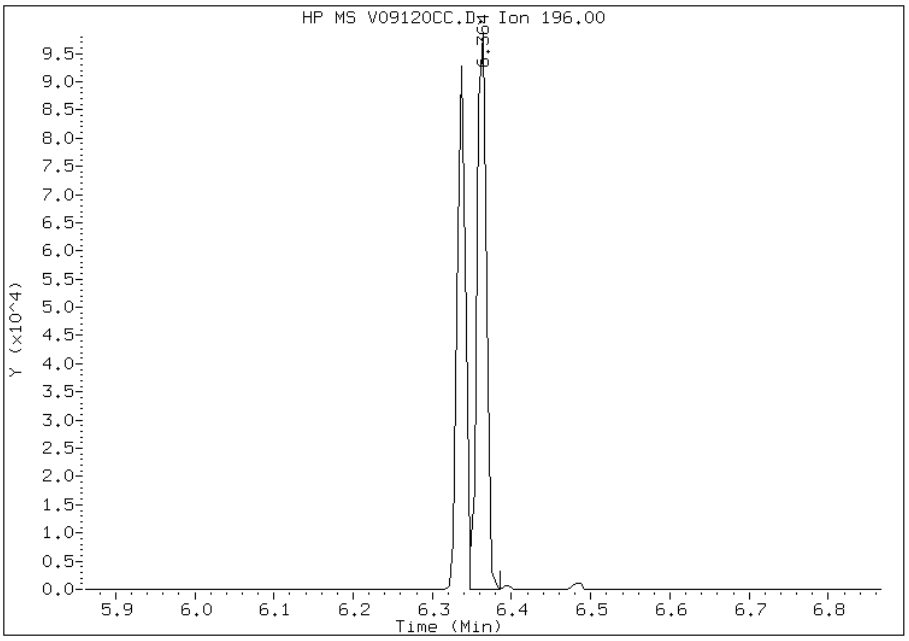
Manual Integration Results

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

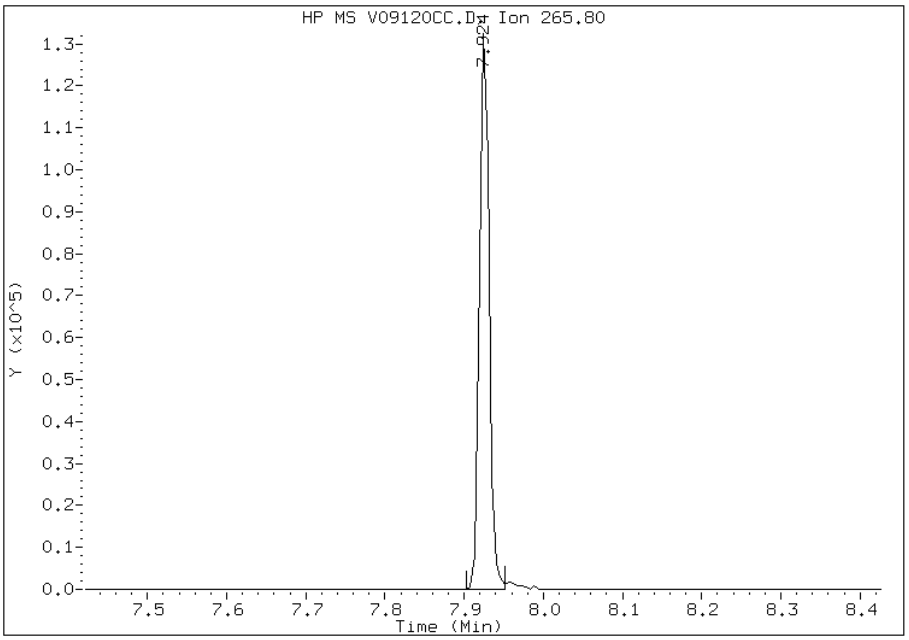
Processing Integration Results

RT: 7.92

Response: 108684

Amount: 10

Conc: 10



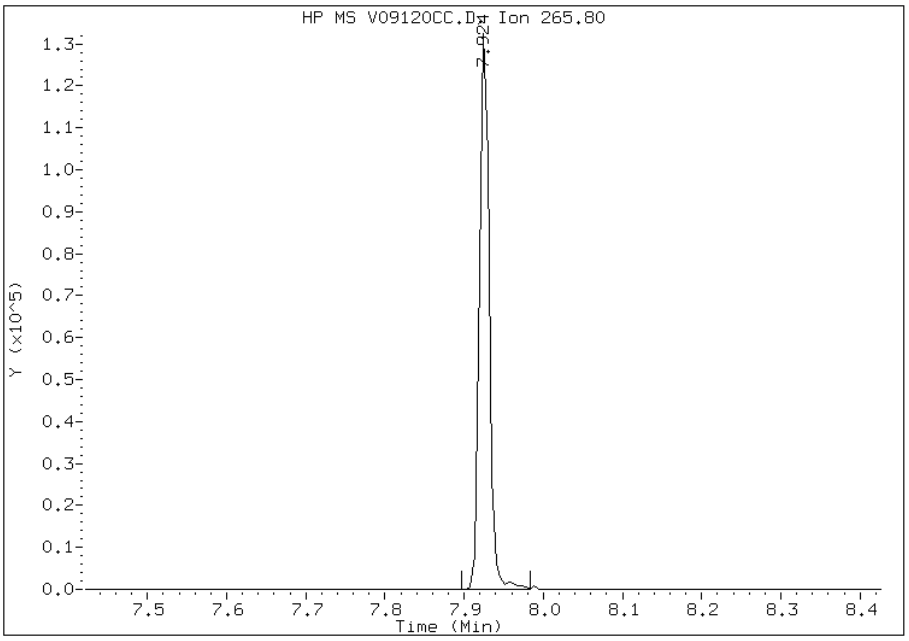
Manual Integration Results

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

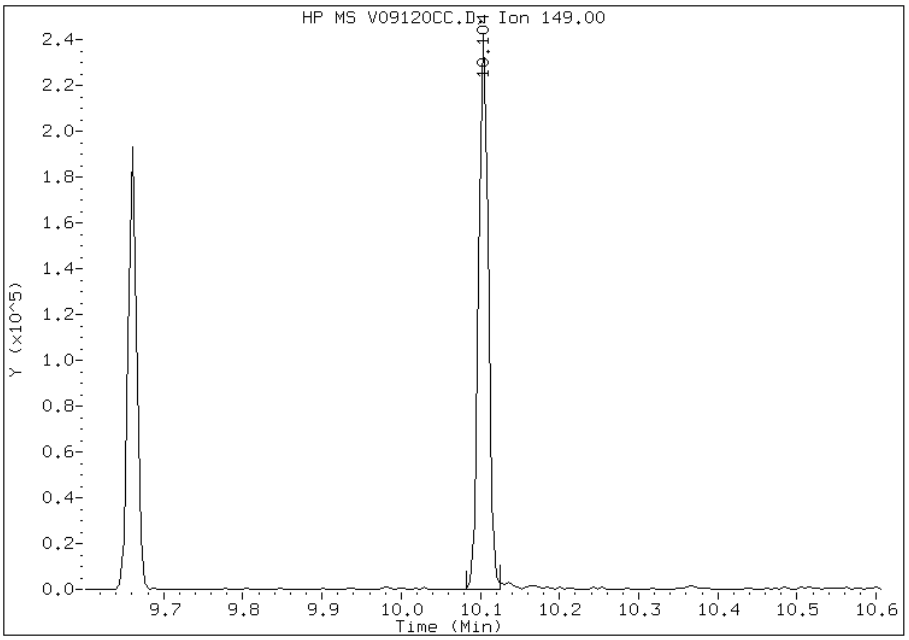
Processing Integration Results

RT: 10.10

Response: 199342

Amount: 4

Conc: 4



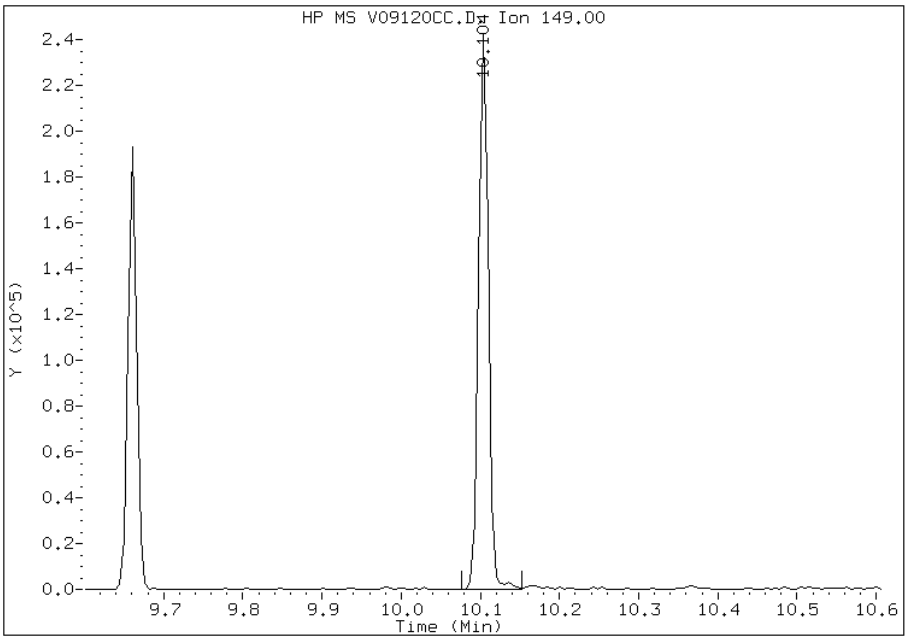
Manual Integration Results

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

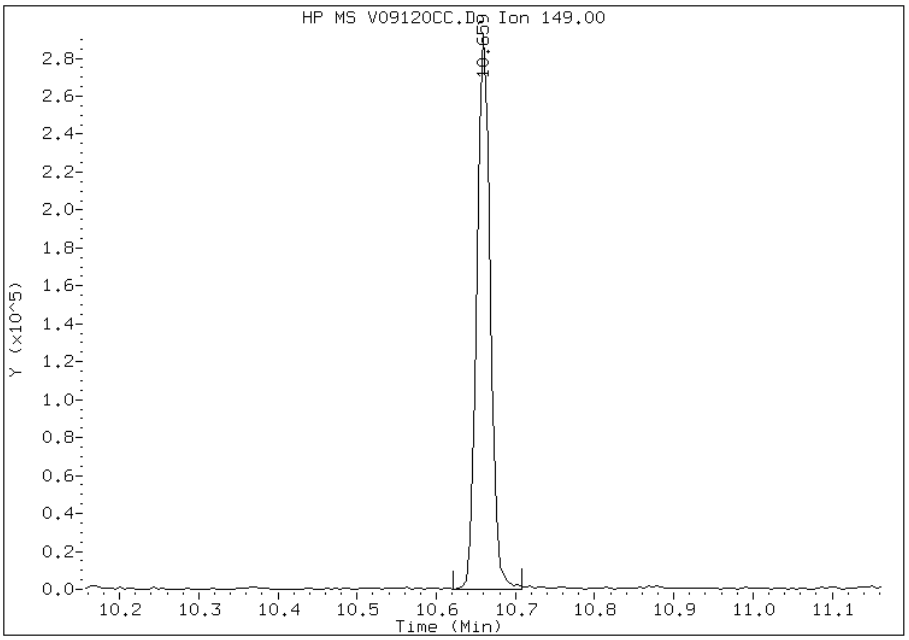
Processing Integration Results

RT: 10.66

Response: 348788

Amount: 4

Conc: 4



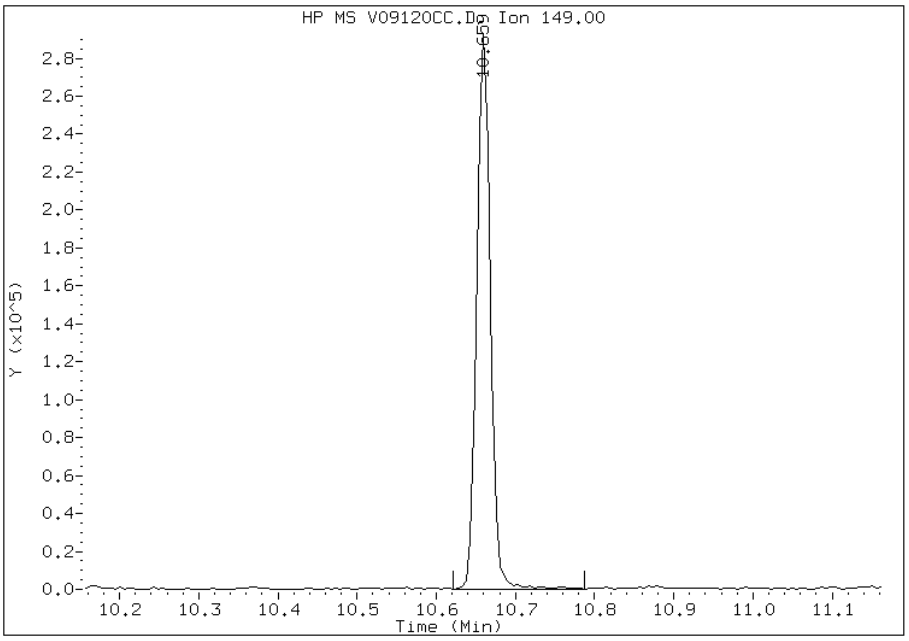
Manual Integration Results

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

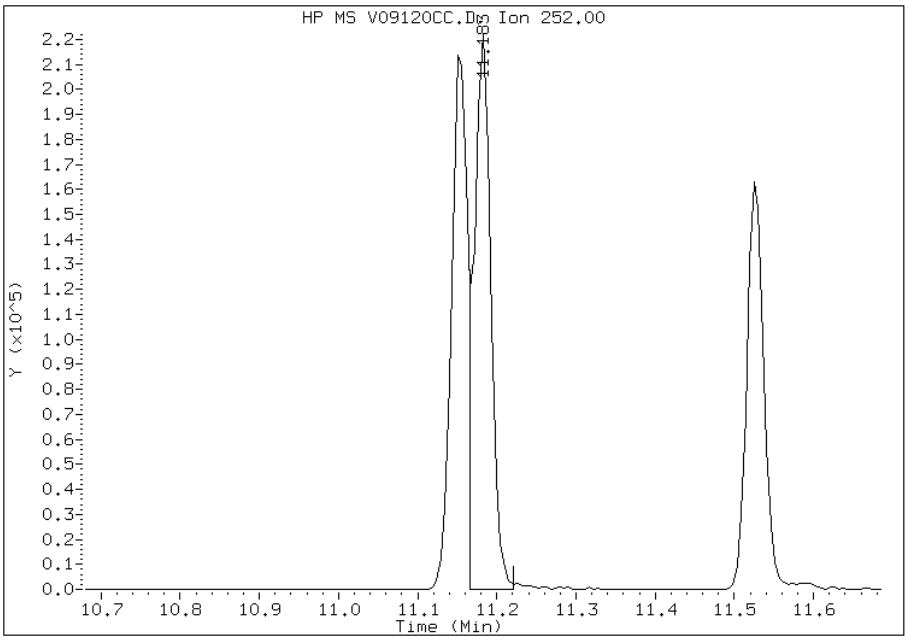
Processing Integration Results

RT: 11.18

Response: 330251

Amount: 4

Conc: 4



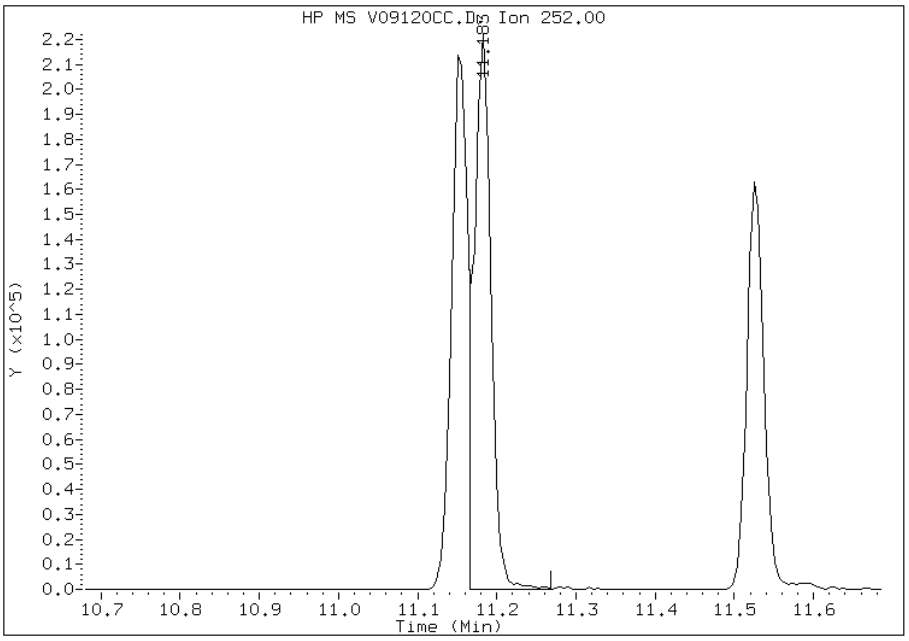
Manual Integration Results

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

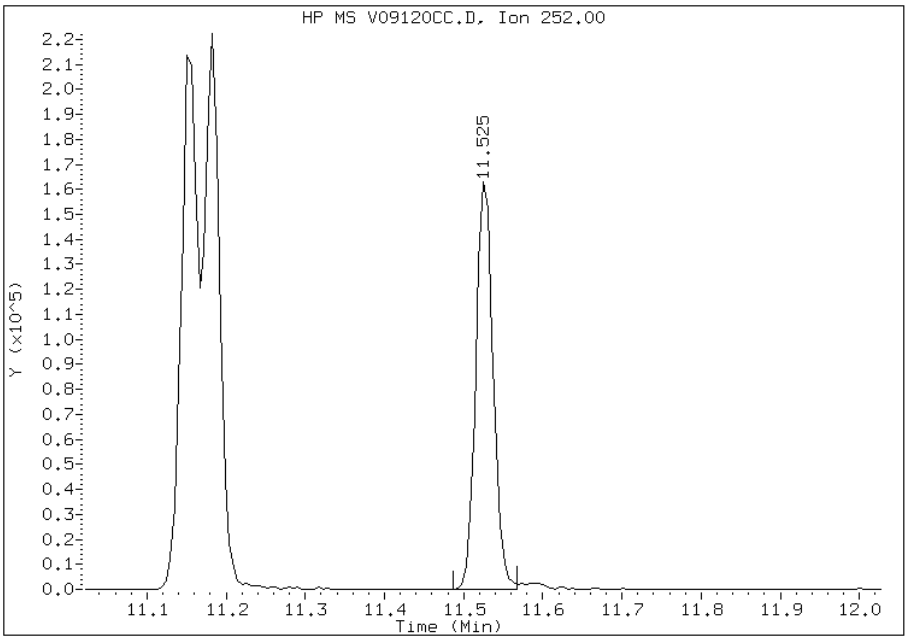
Processing Integration Results

RT: 11.52

Response: 243703

Amount: 4

Conc: 4



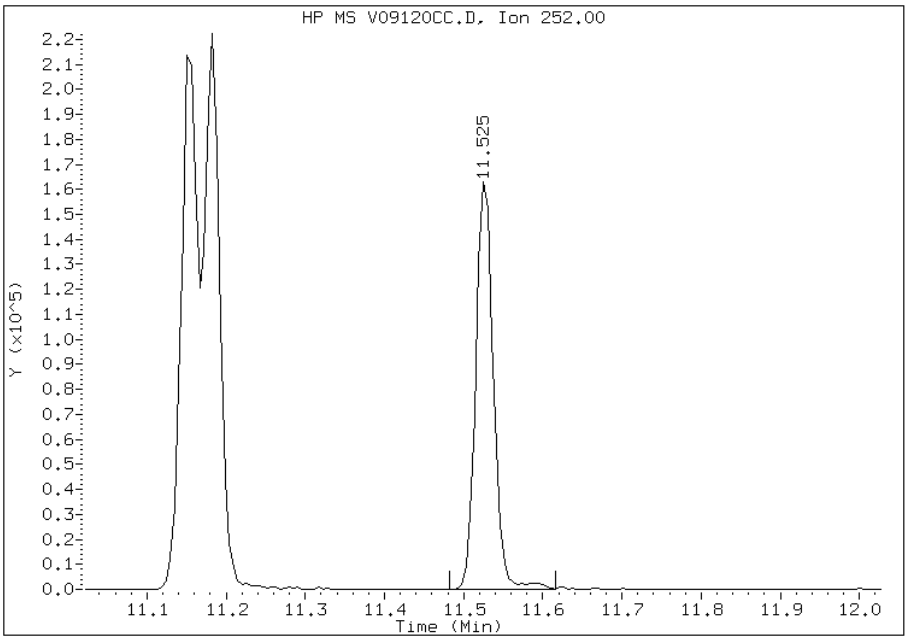
Manual Integration Results

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

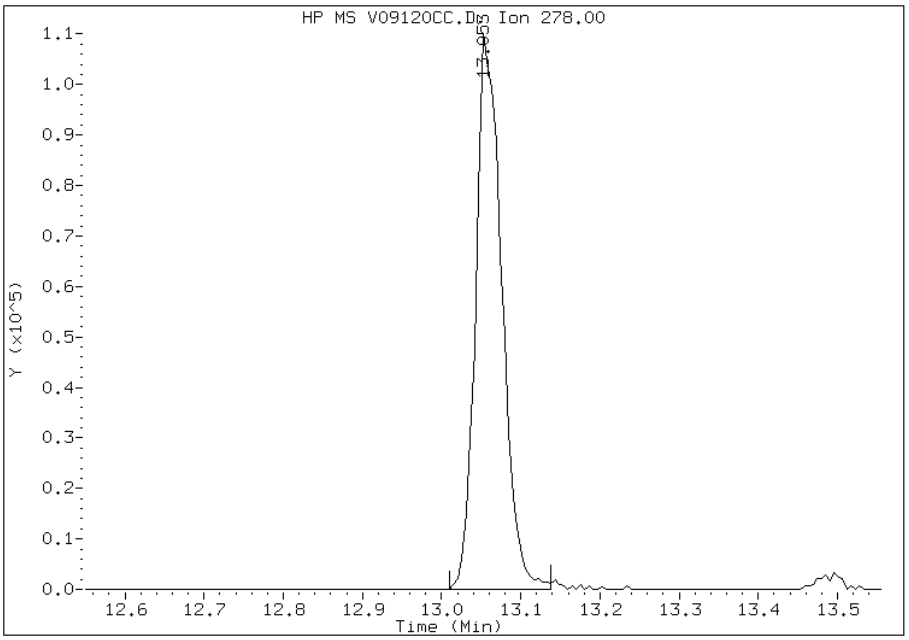
Processing Integration Results

RT: 13.05

Response: 250516

Amount: 4

Conc: 4



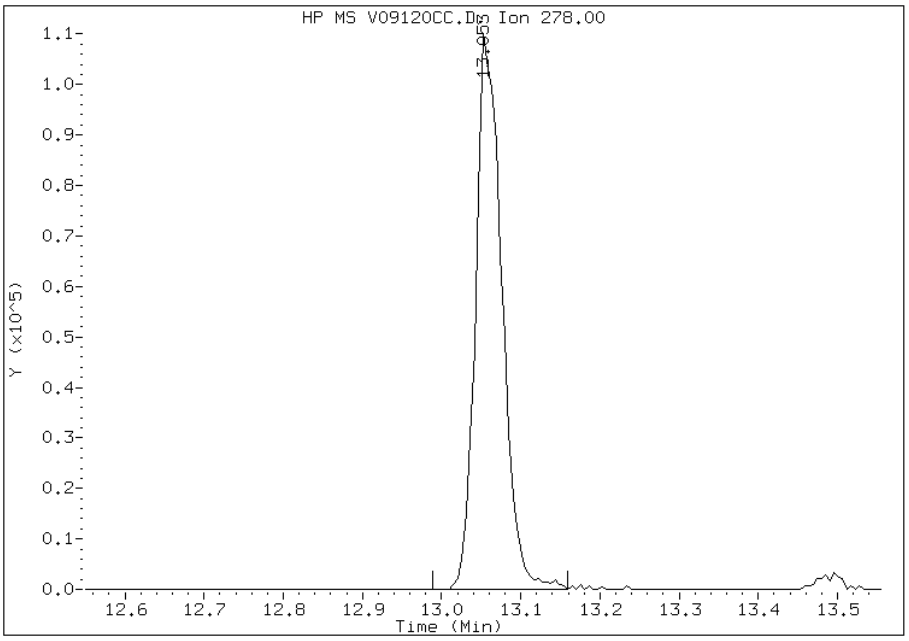
Manual Integration Results

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

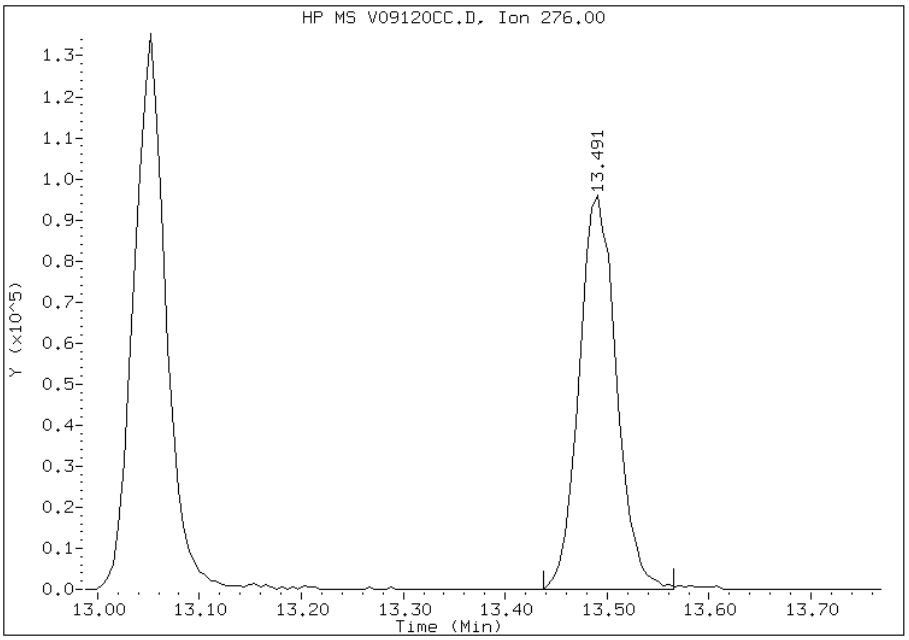
Processing Integration Results

RT: 13.49

Response: 244481

Amount: 4

Conc: 4



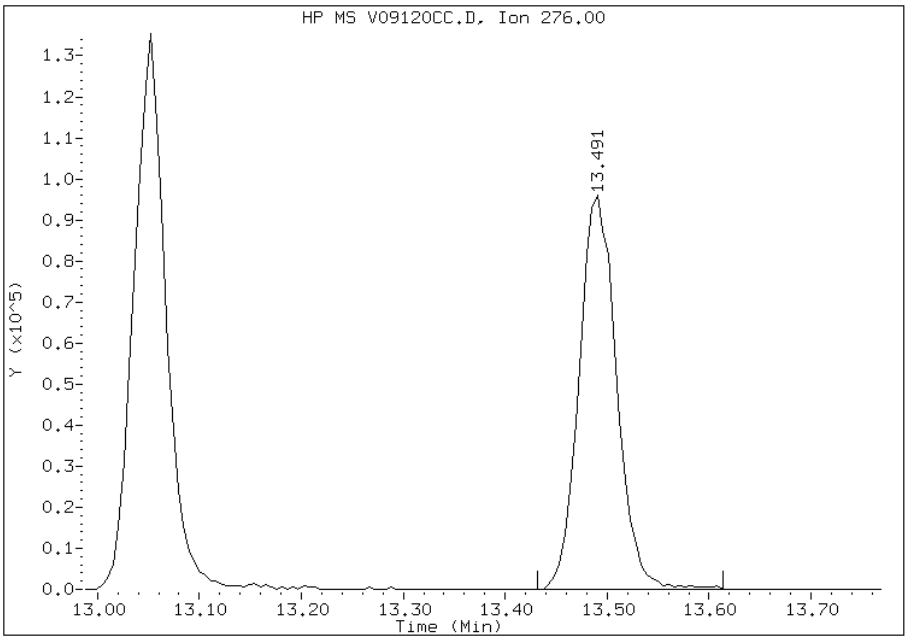
Manual Integration Results

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

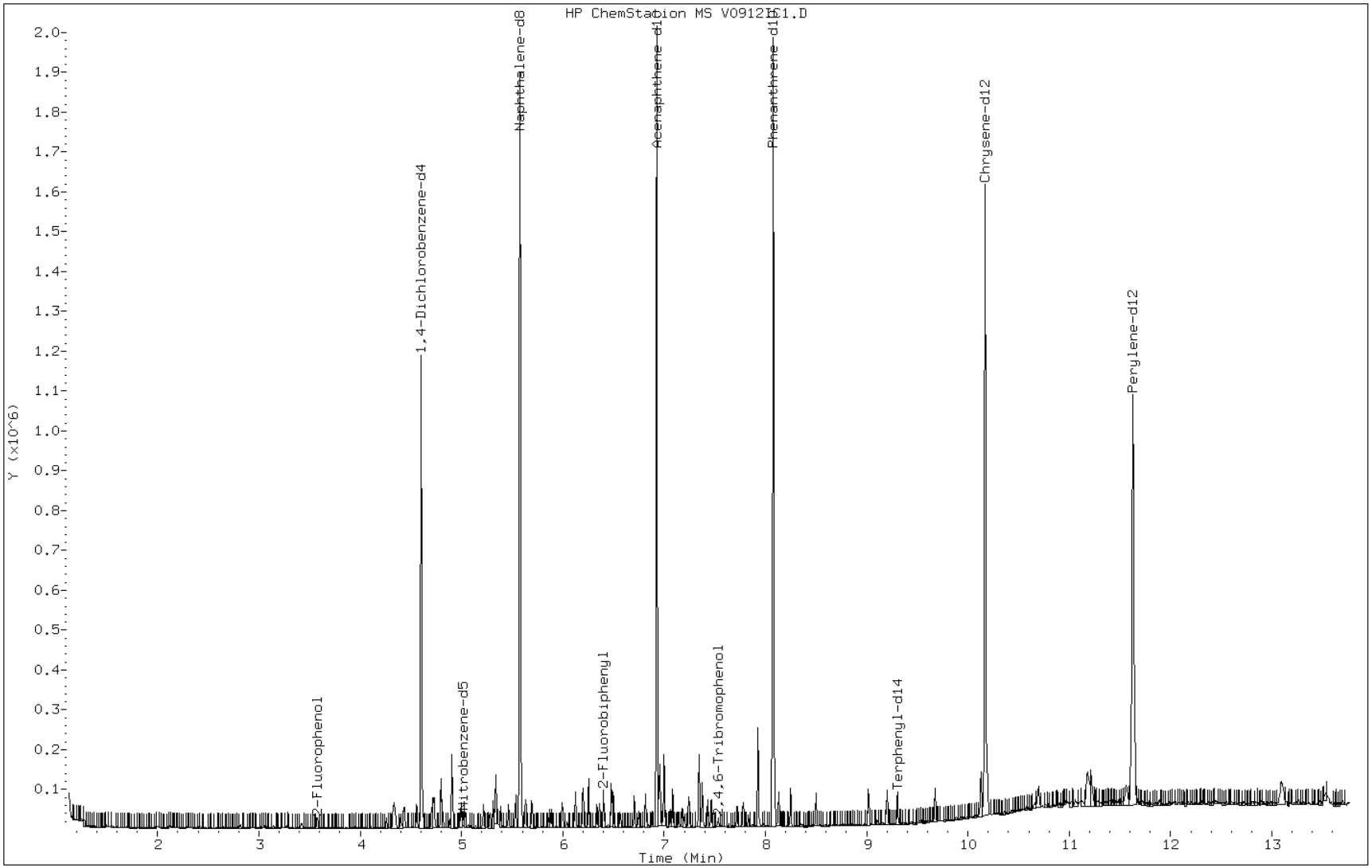
Date: 12-SEP-2012 11:24

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

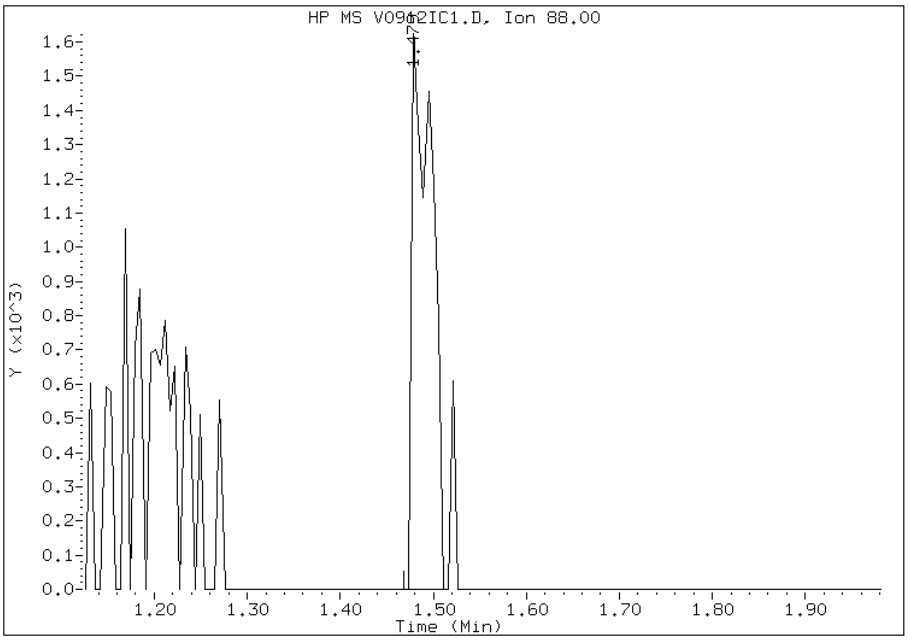
Processing Integration Results

RT: 1.48

Response: 2417

Amount: 0

Conc: 0



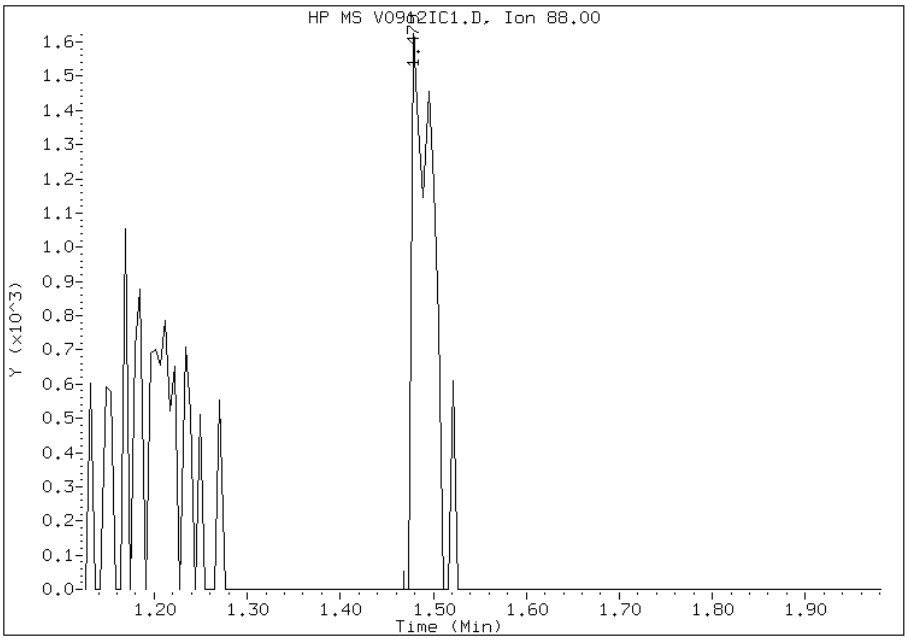
Manual Integration Results

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

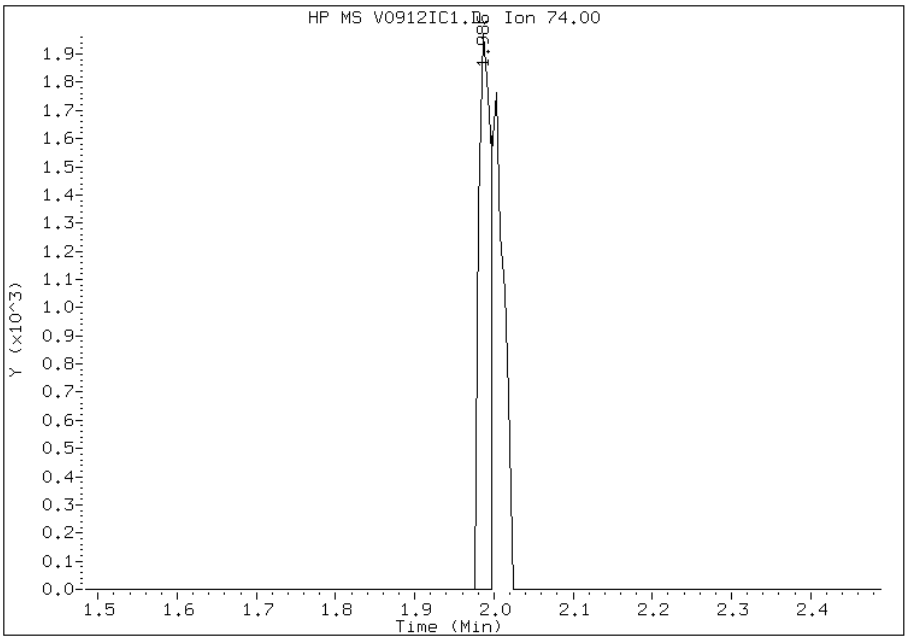
Processing Integration Results

RT: 1.99

Response: 2123

Amount: 0

Conc: 0



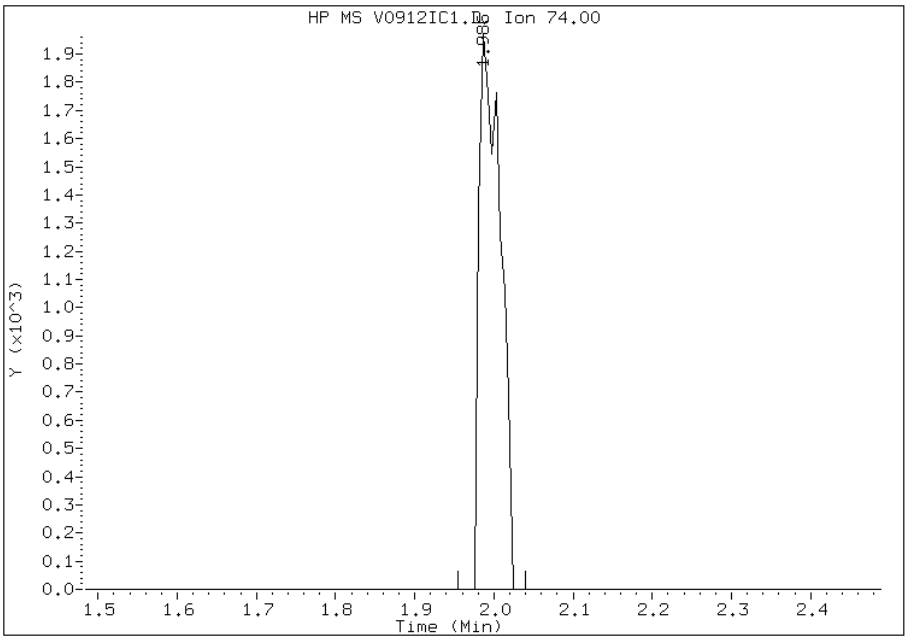
Manual Integration Results

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

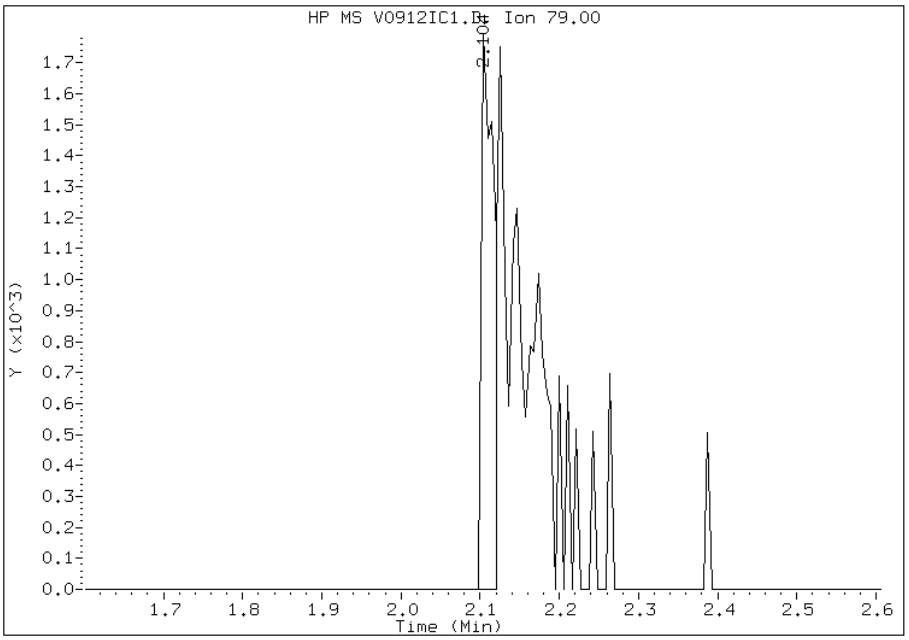
Processing Integration Results

RT: 2.10

Response: 1893

Amount: 0

Conc: 0



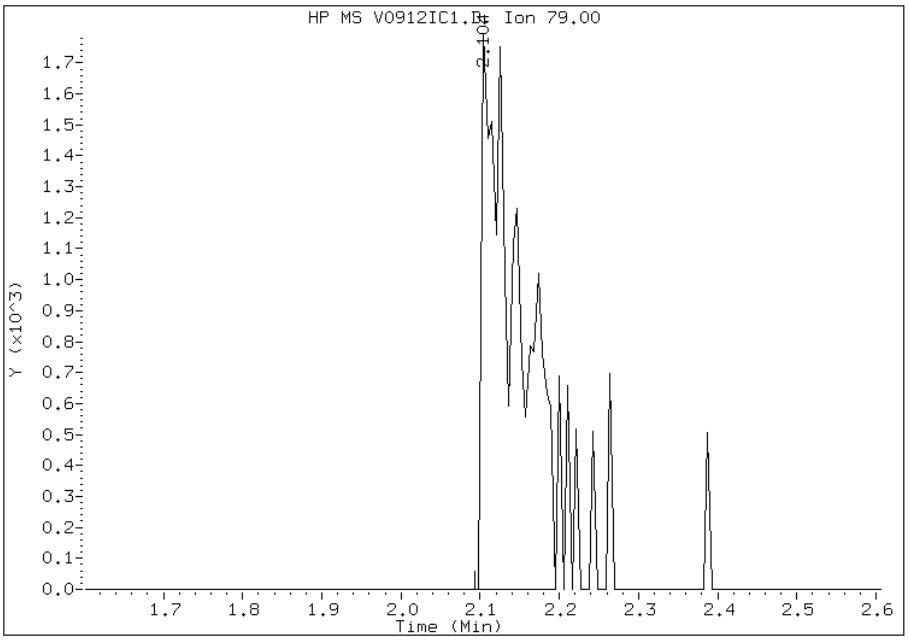
Manual Integration Results

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

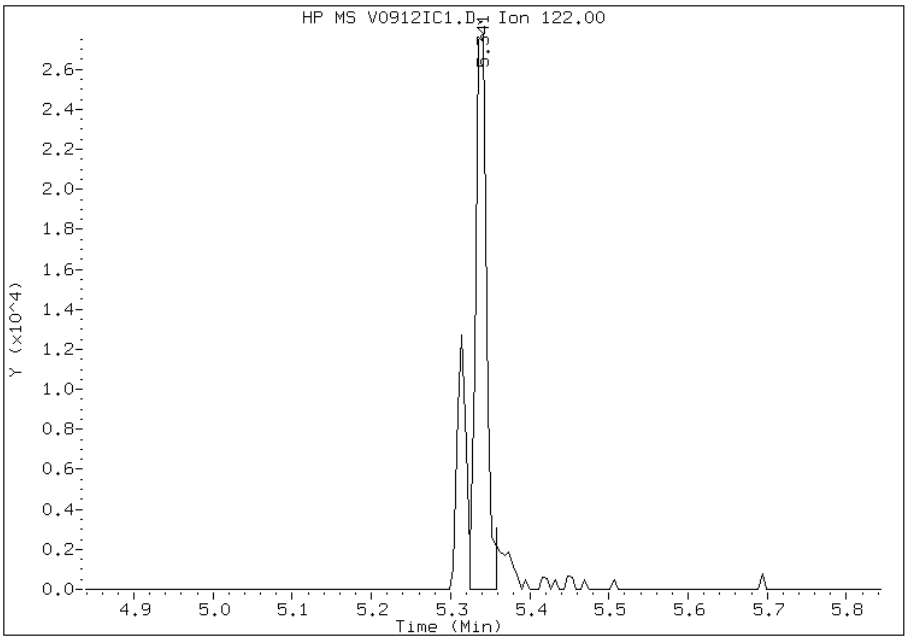
Processing Integration Results

RT: 5.34

Response: 26296

Amount: 2

Conc: 2



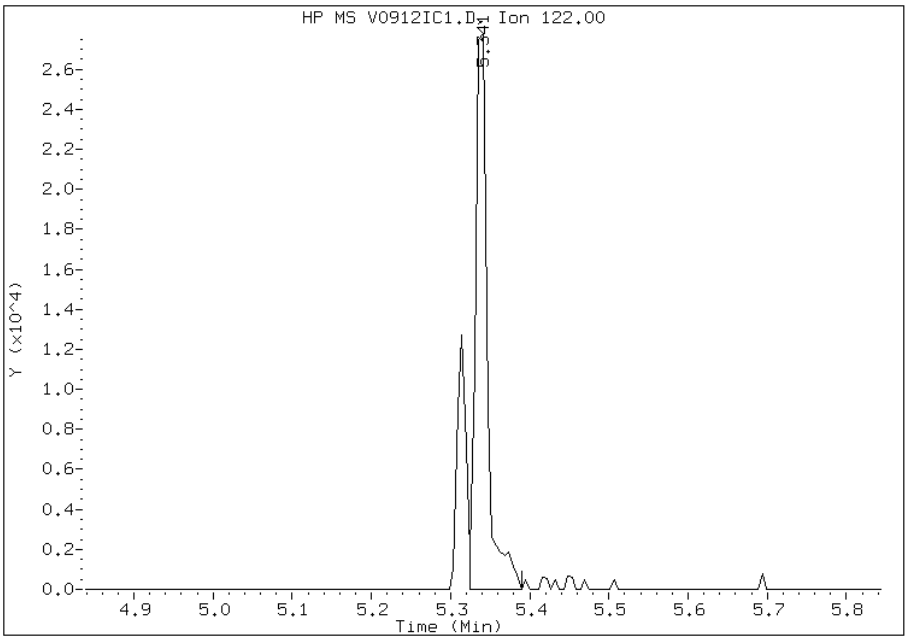
Manual Integration Results

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

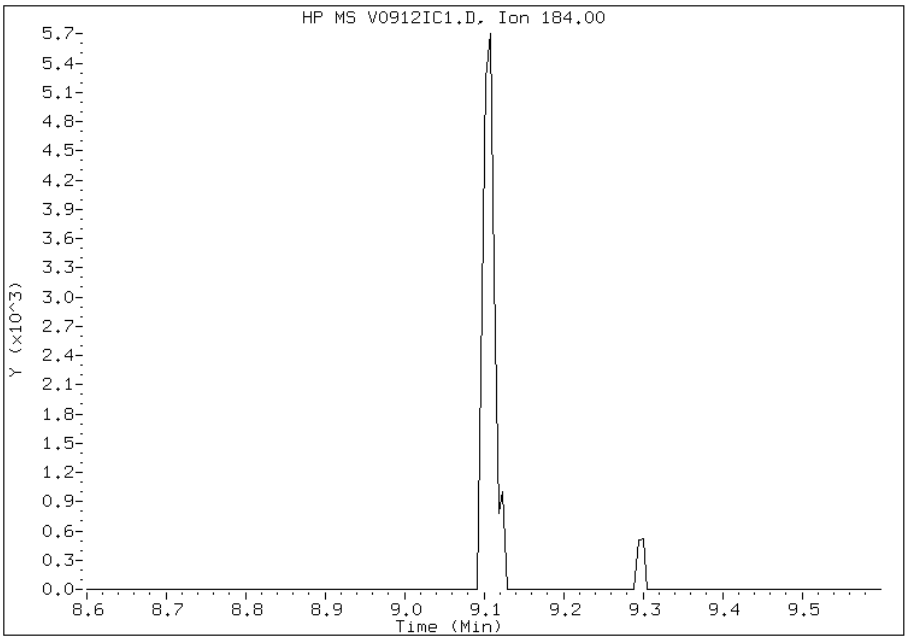
Manual Integration Report

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



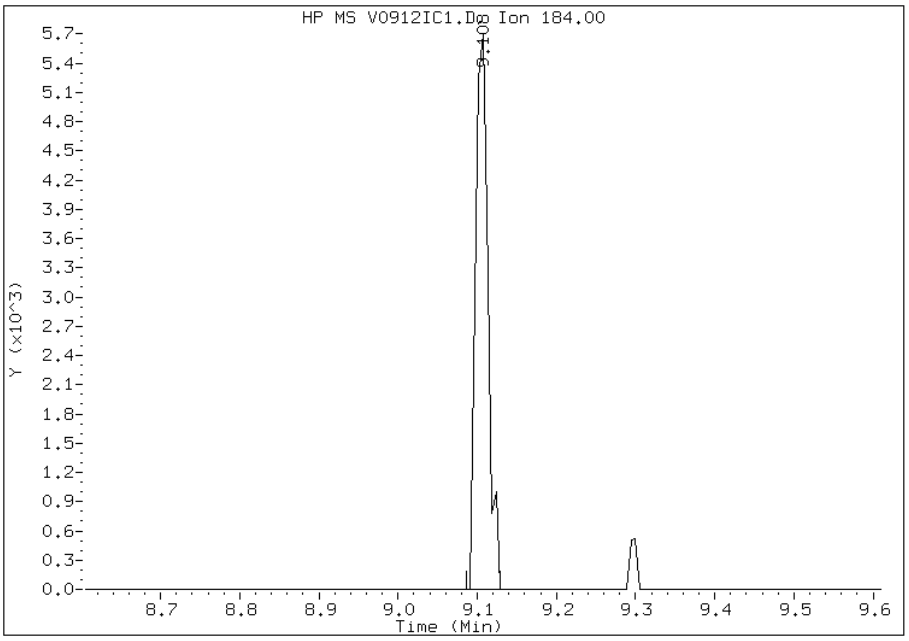
Manual Integration Results

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

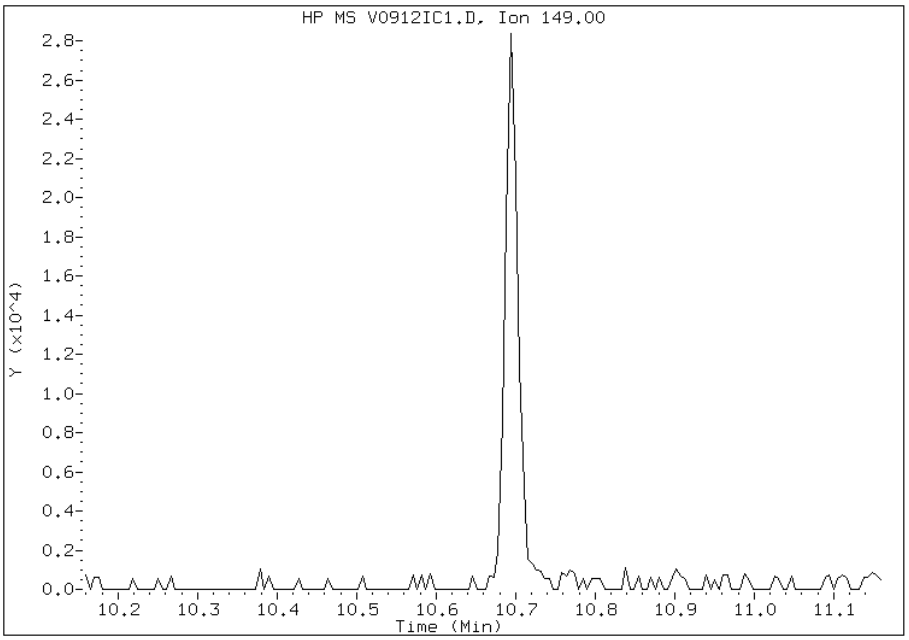
Manual Integration Report

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



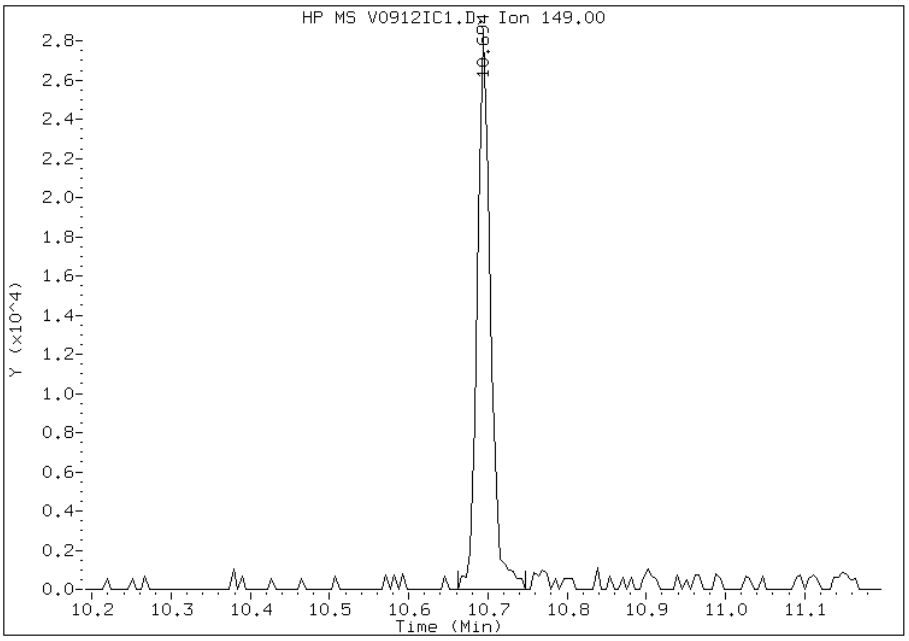
Manual Integration Results

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

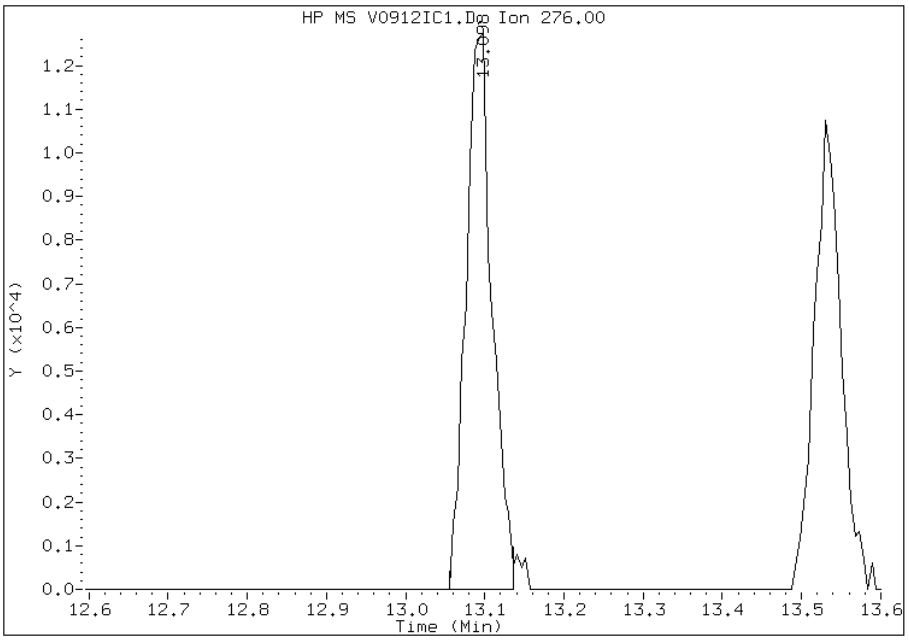
Processing Integration Results

RT: 13.10

Response: 29042

Amount: 0

Conc: 0



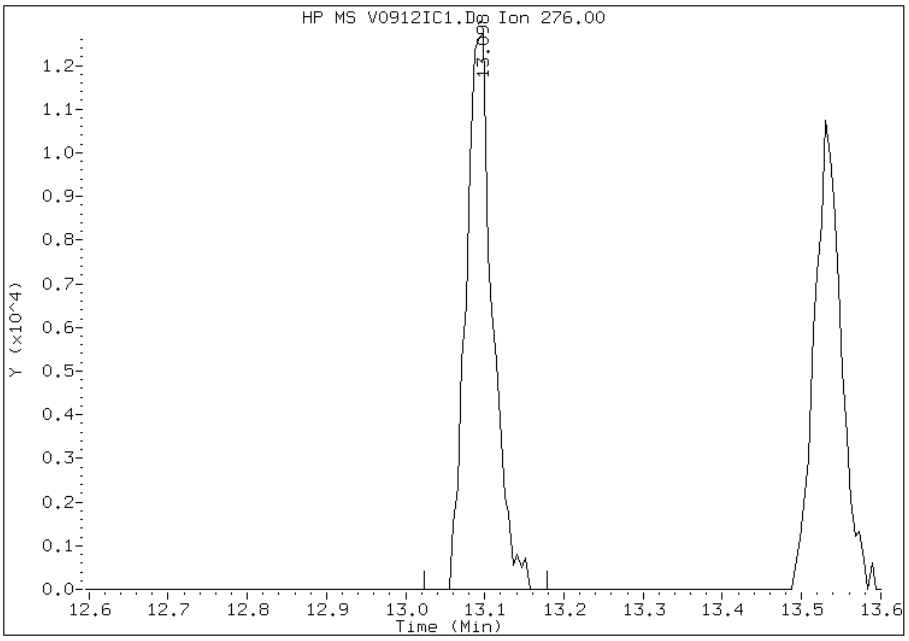
Manual Integration Results

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

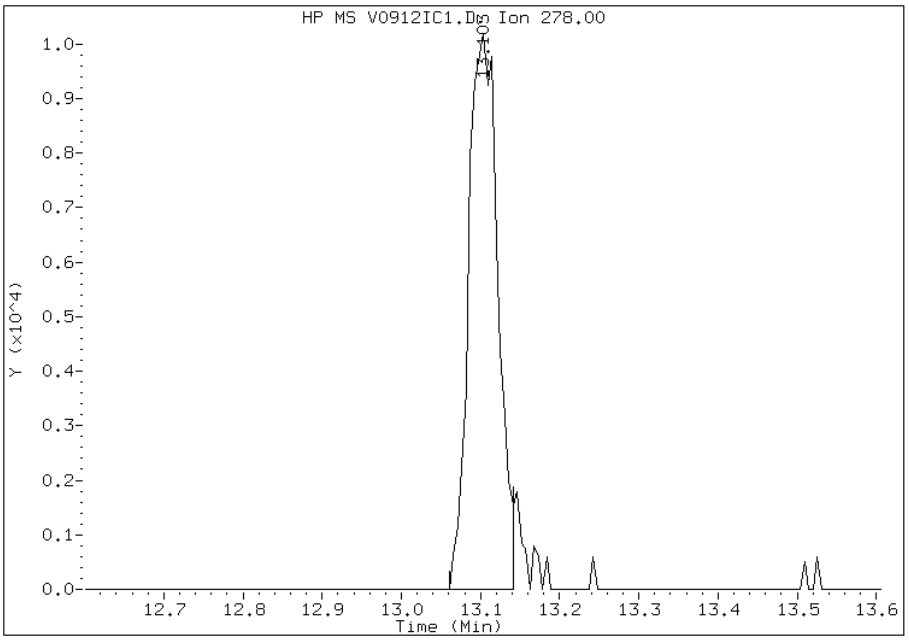
Processing Integration Results

RT: 13.10

Response: 26028

Amount: 0

Conc: 0



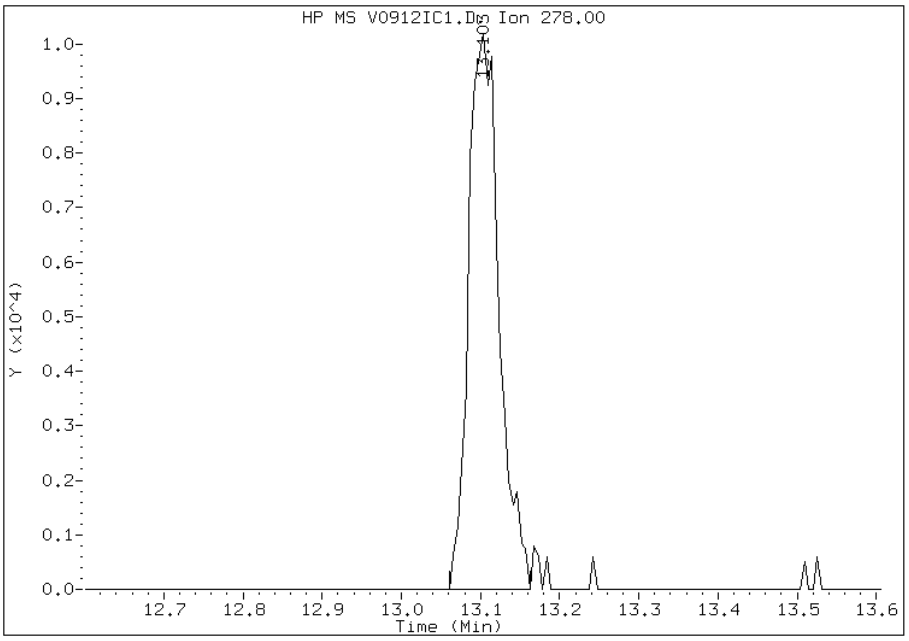
Manual Integration Results

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

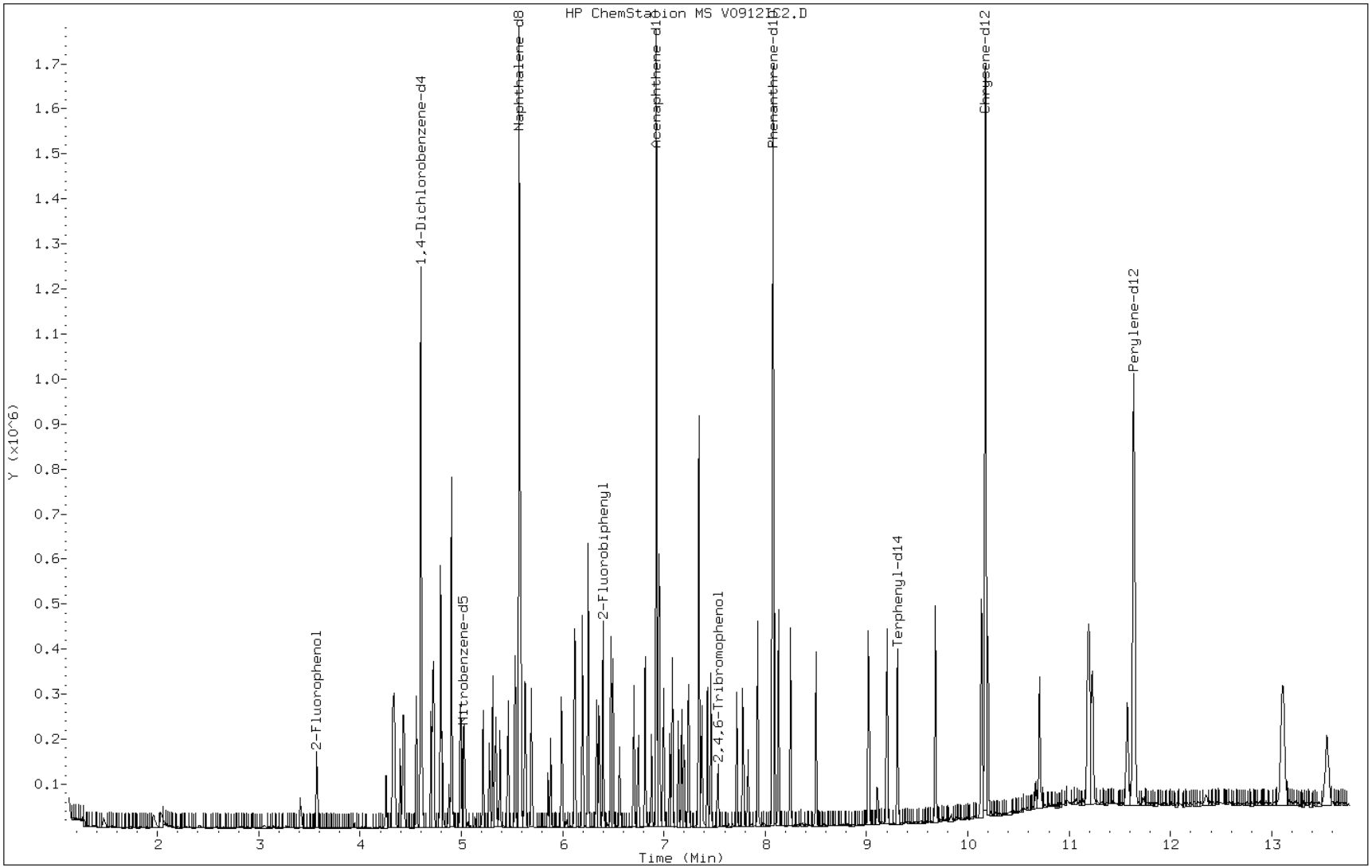
M - Compound response manually integrated.

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

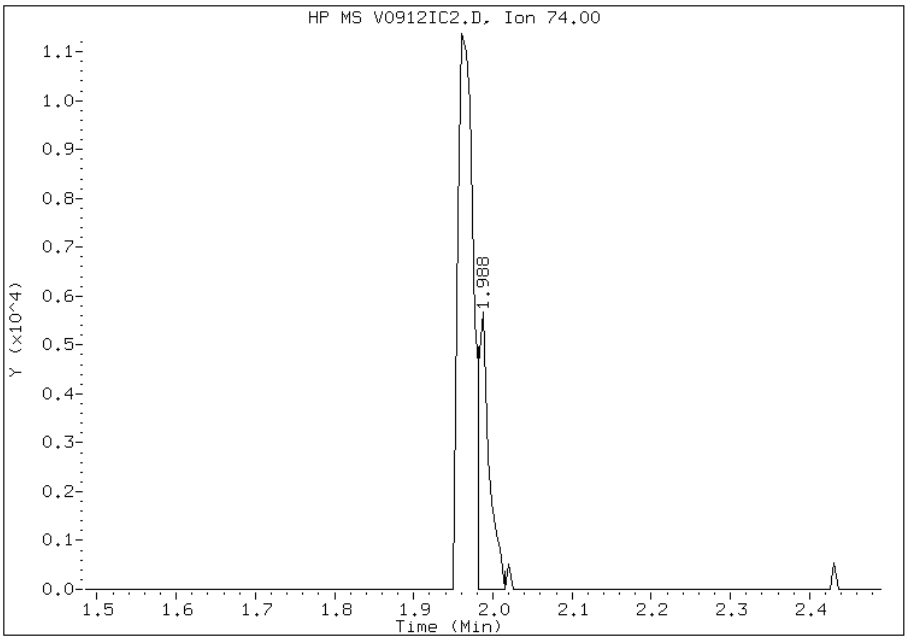
Processing Integration Results

RT: 1.99

Response: 5353

Amount: 1

Conc: 1



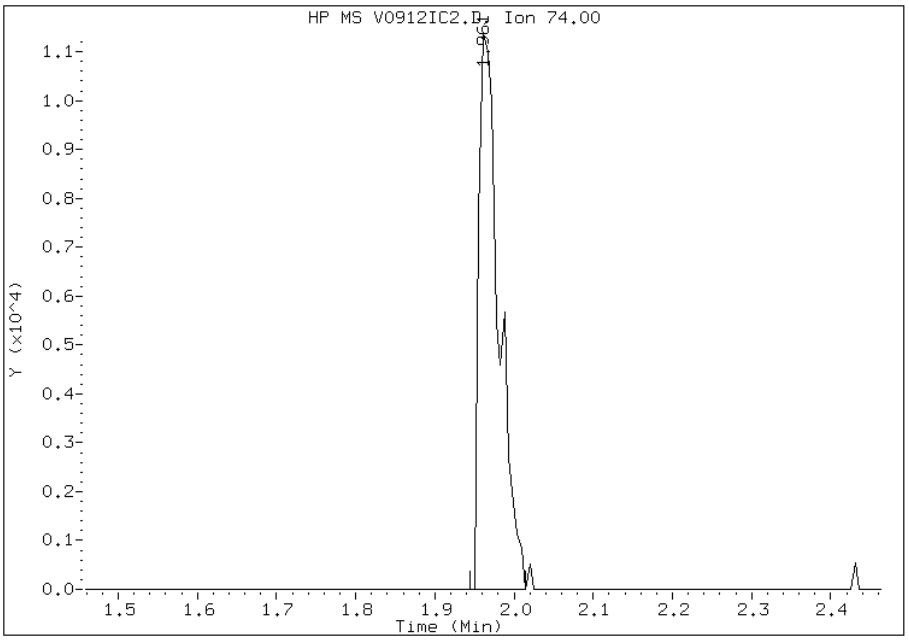
Manual Integration Results

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

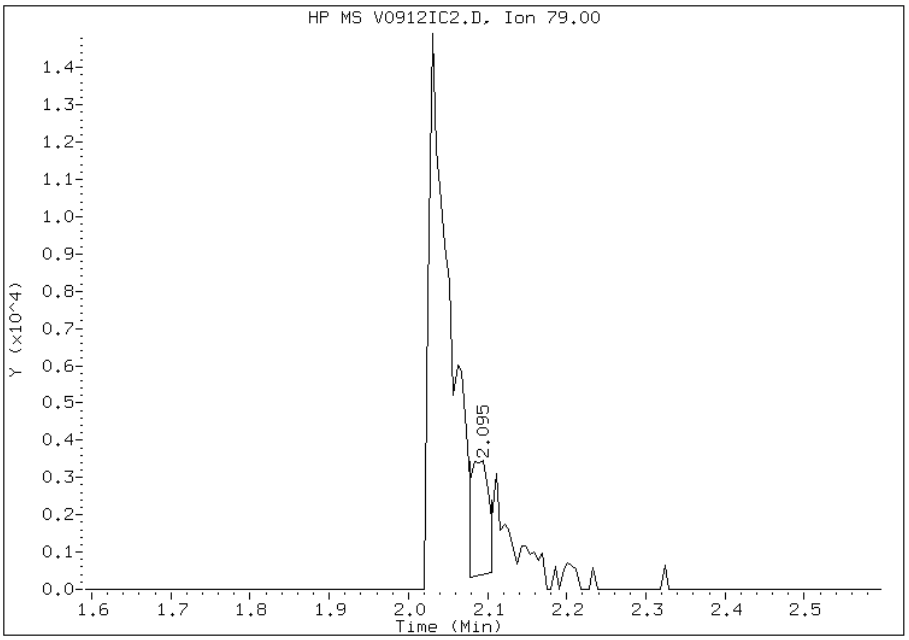
Processing Integration Results

RT: 2.09

Response: 4951

Amount: 0

Conc: 0



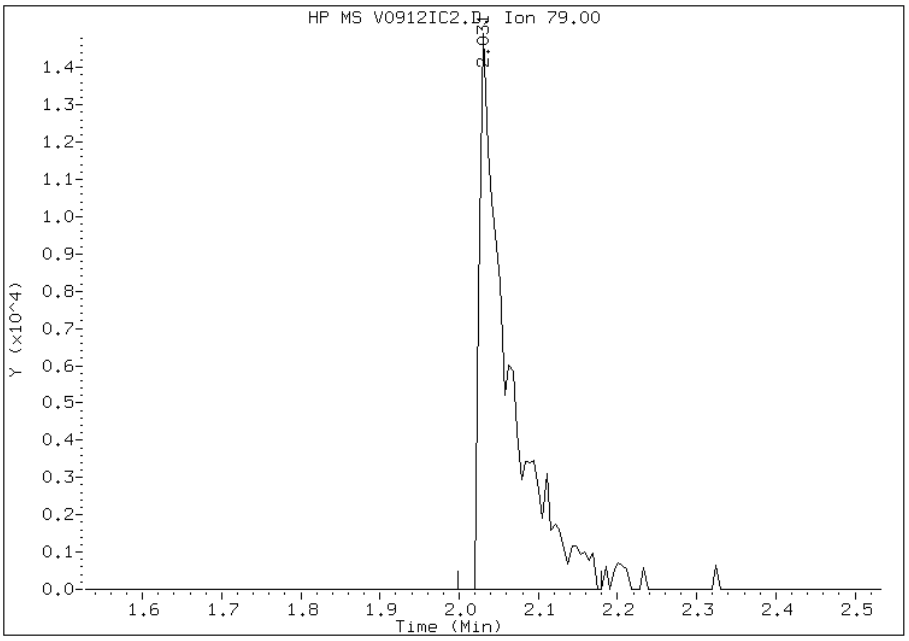
Manual Integration Results

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

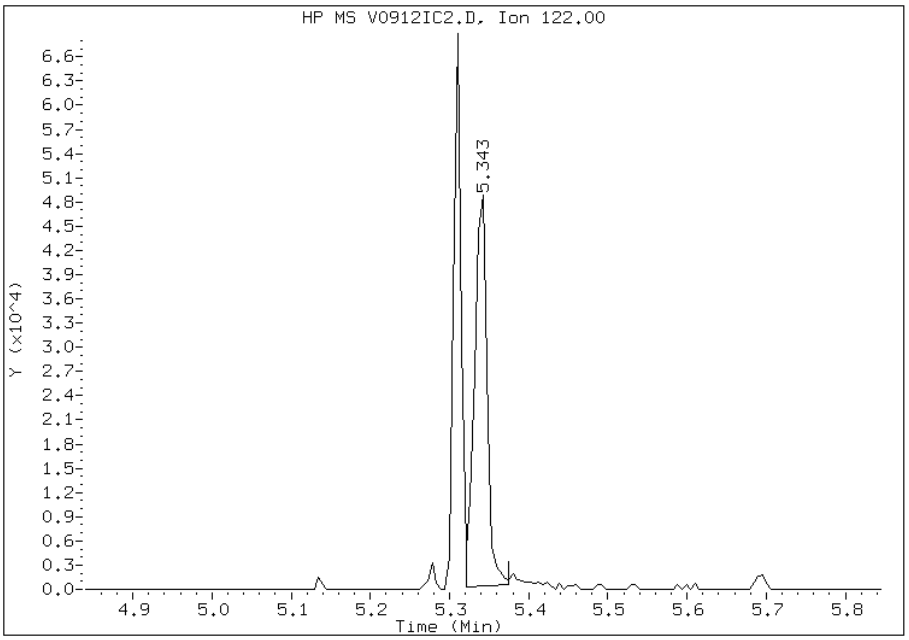
Processing Integration Results

RT: 5.34

Response: 52866

Amount: 4

Conc: 4



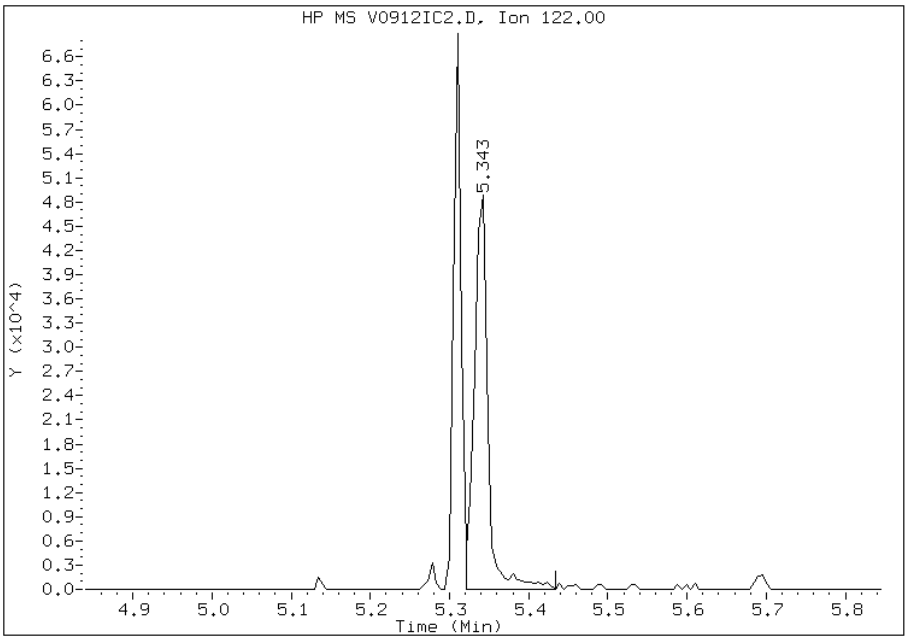
Manual Integration Results

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

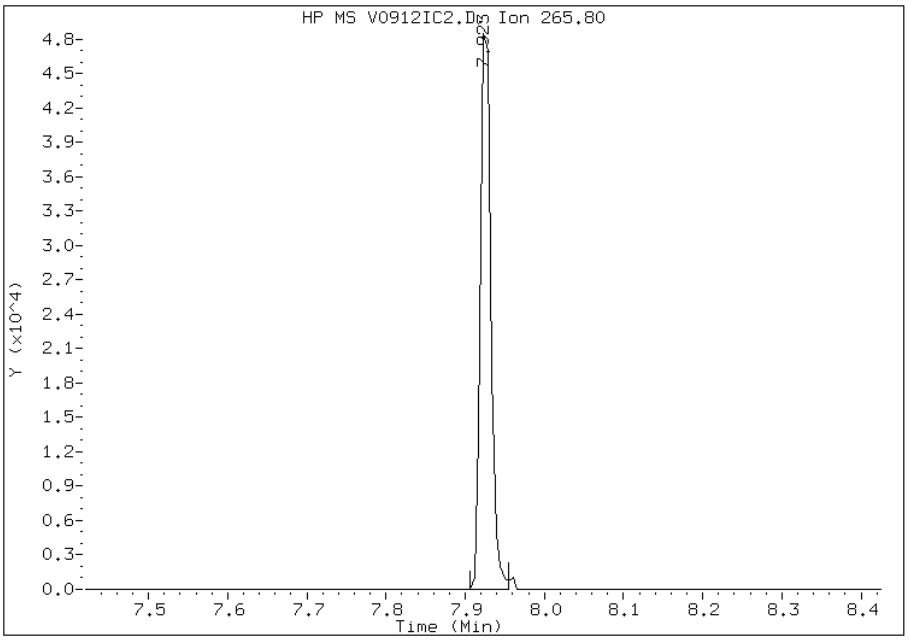
Processing Integration Results

RT: 7.92

Response: 44021

Amount: 4

Conc: 4



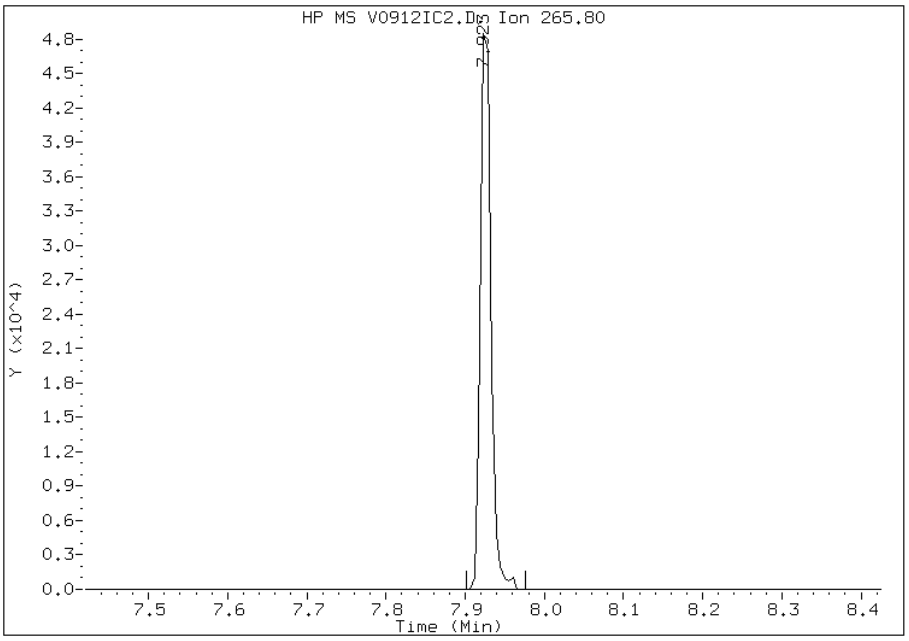
Manual Integration Results

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

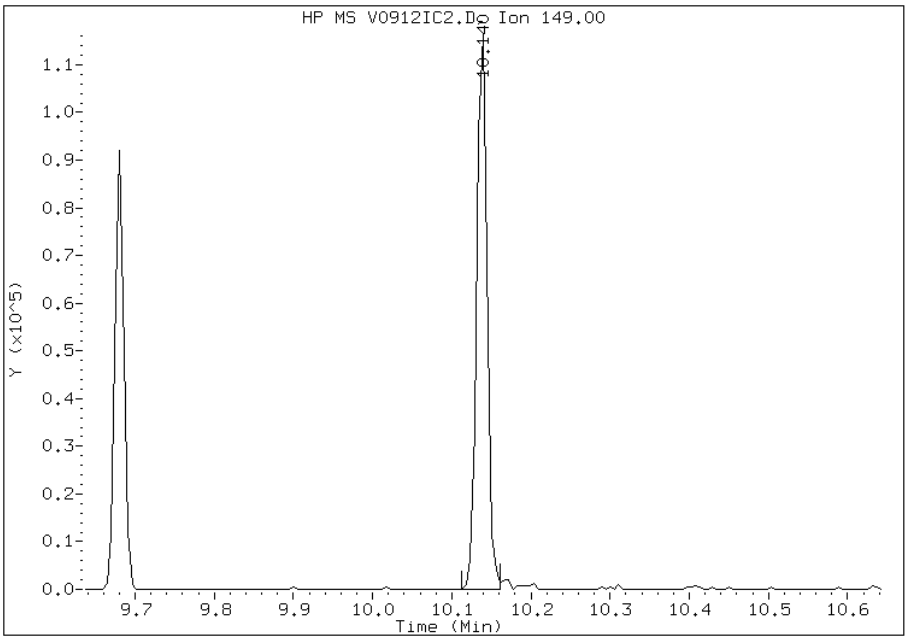
Processing Integration Results

RT: 10.14

Response: 103652

Amount: 2

Conc: 2



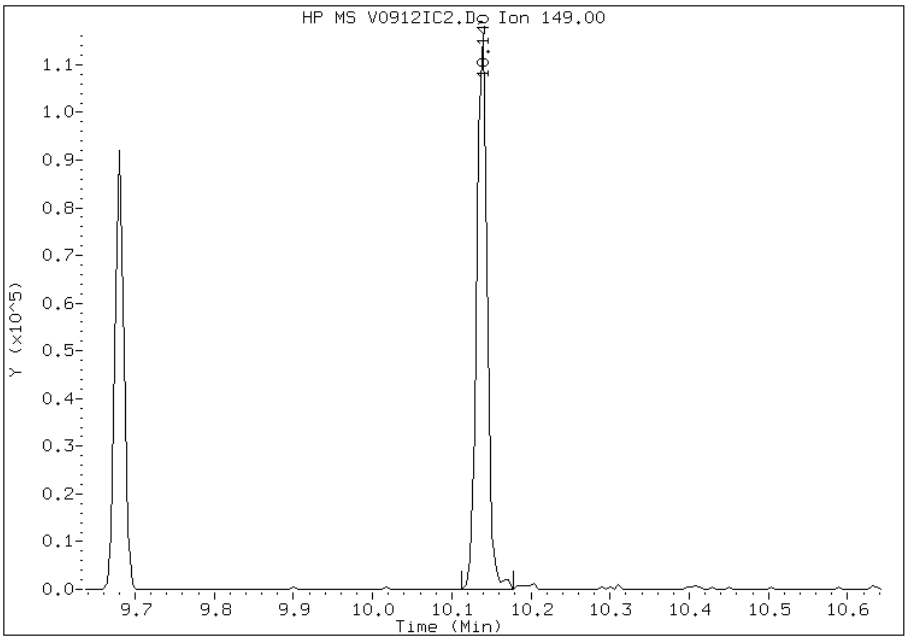
Manual Integration Results

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

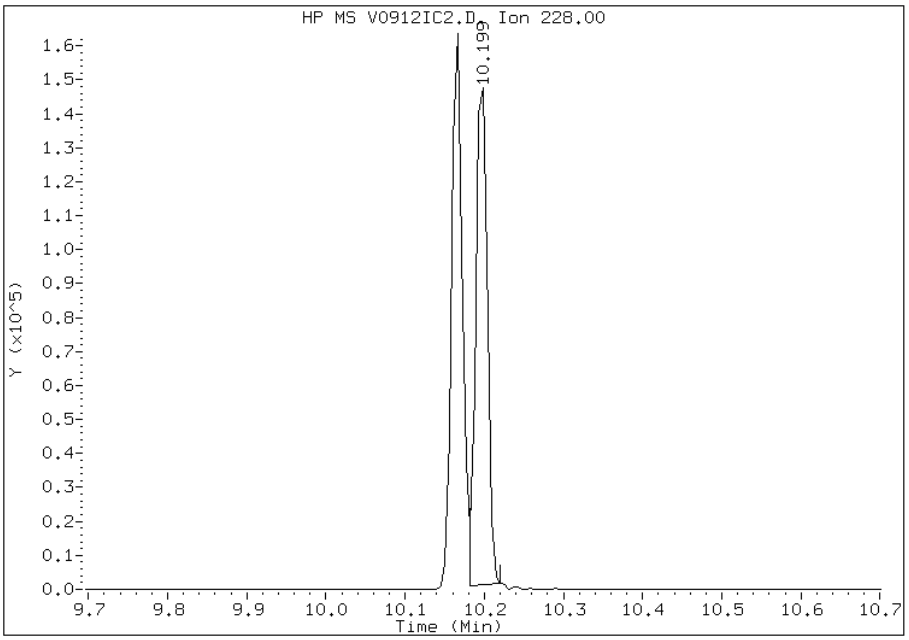
Processing Integration Results

RT: 10.20

Response: 147052

Amount: 2

Conc: 2



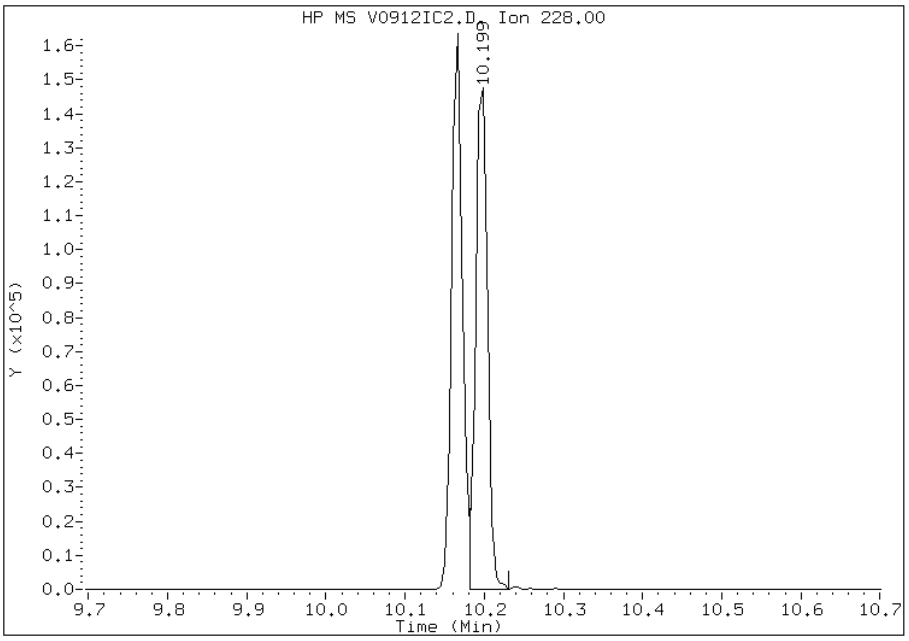
Manual Integration Results

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

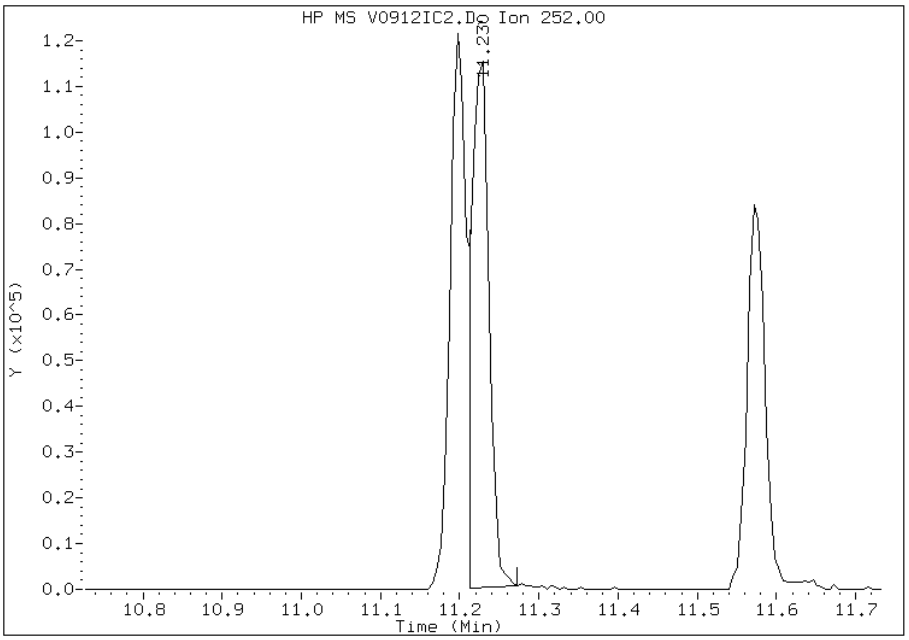
Processing Integration Results

RT: 11.23

Response: 172247

Amount: 2

Conc: 2



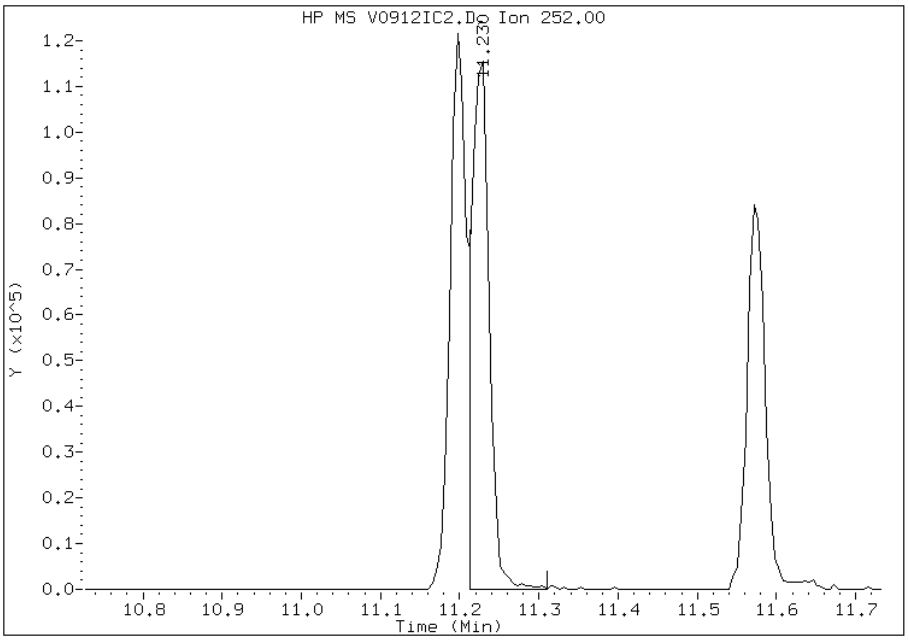
Manual Integration Results

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

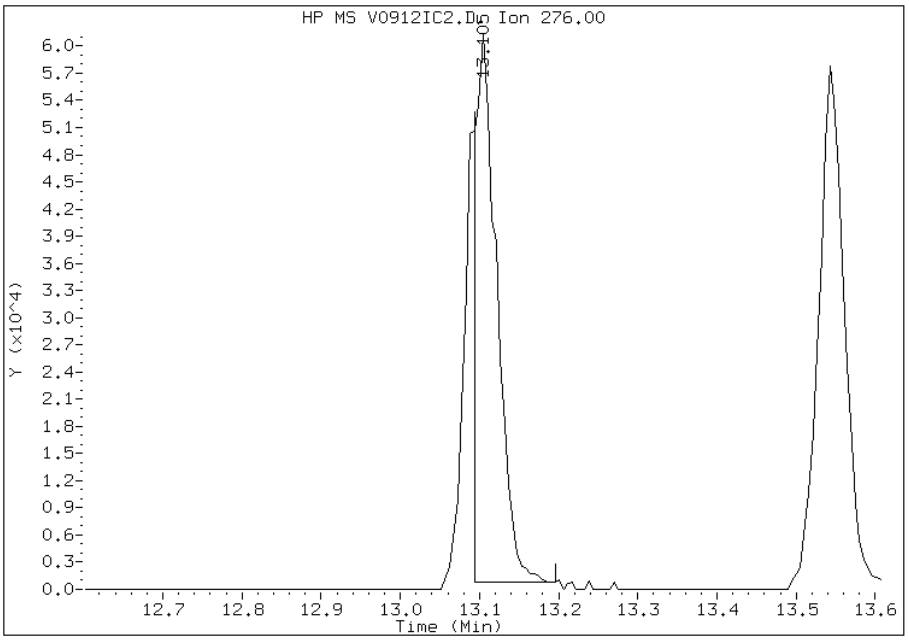
Processing Integration Results

RT: 13.10

Response: 116024

Amount: 2

Conc: 2



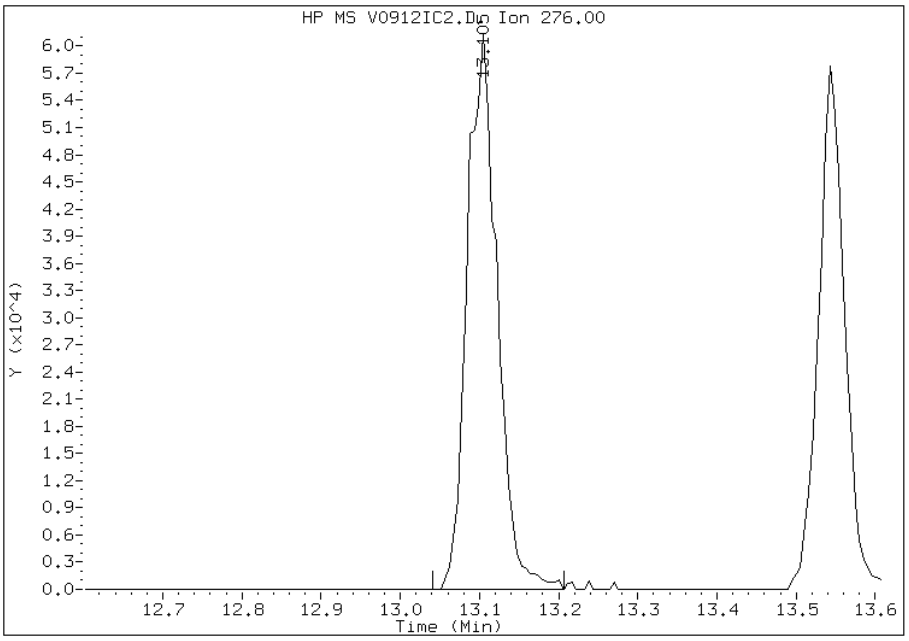
Manual Integration Results

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

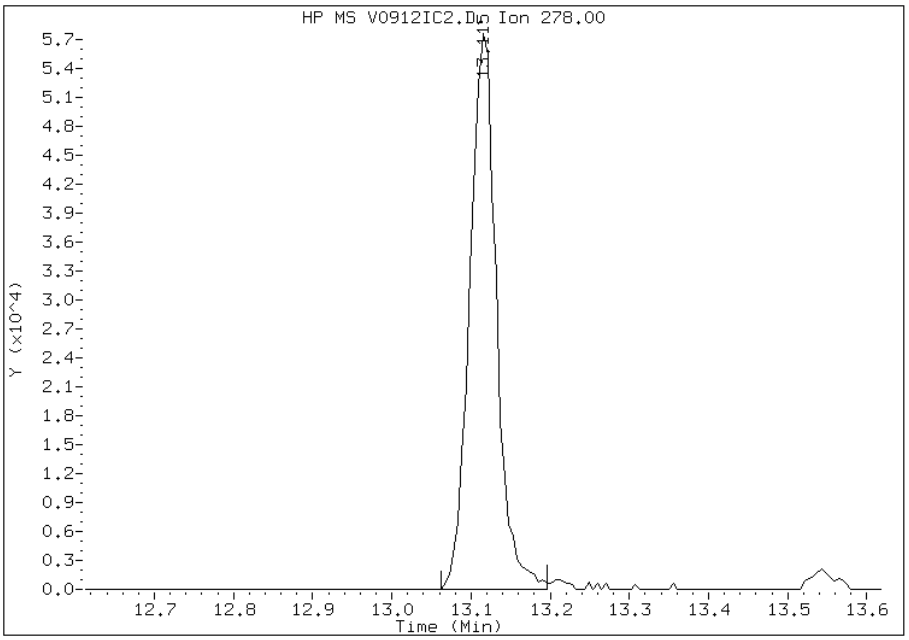
Processing Integration Results

RT: 13.12

Response: 134188

Amount: 2

Conc: 2



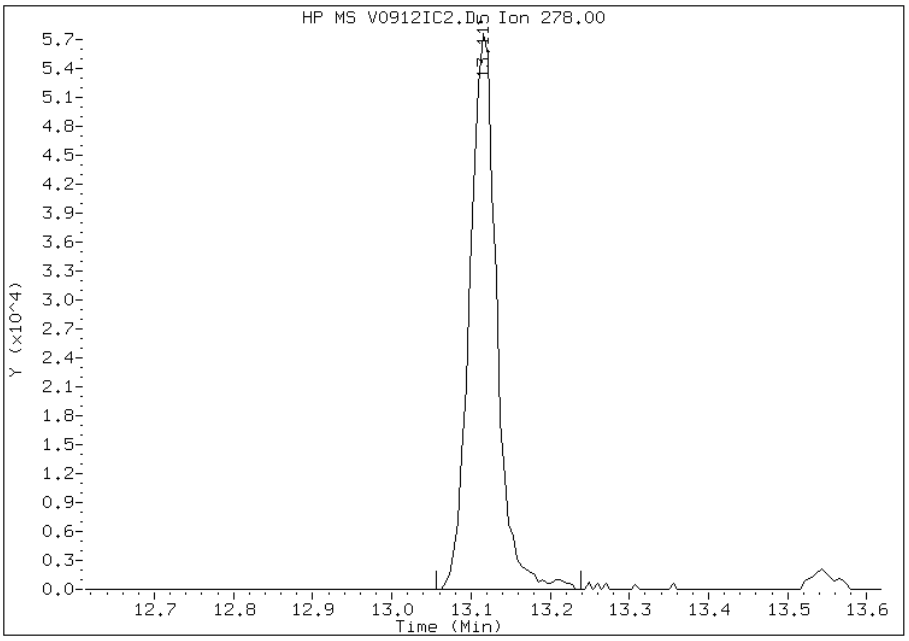
Manual Integration Results

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

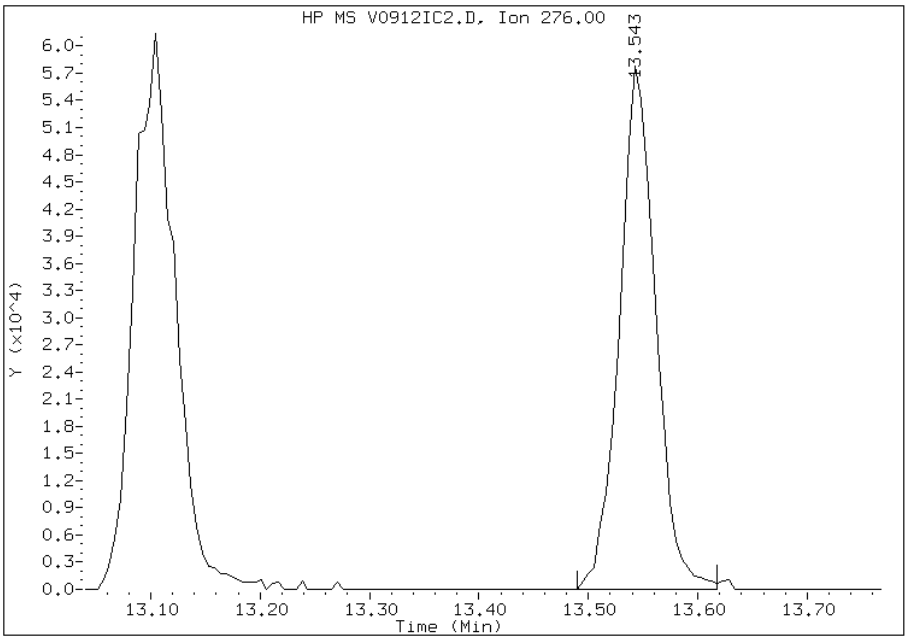
Processing Integration Results

RT: 13.54

Response: 133230

Amount: 2

Conc: 2



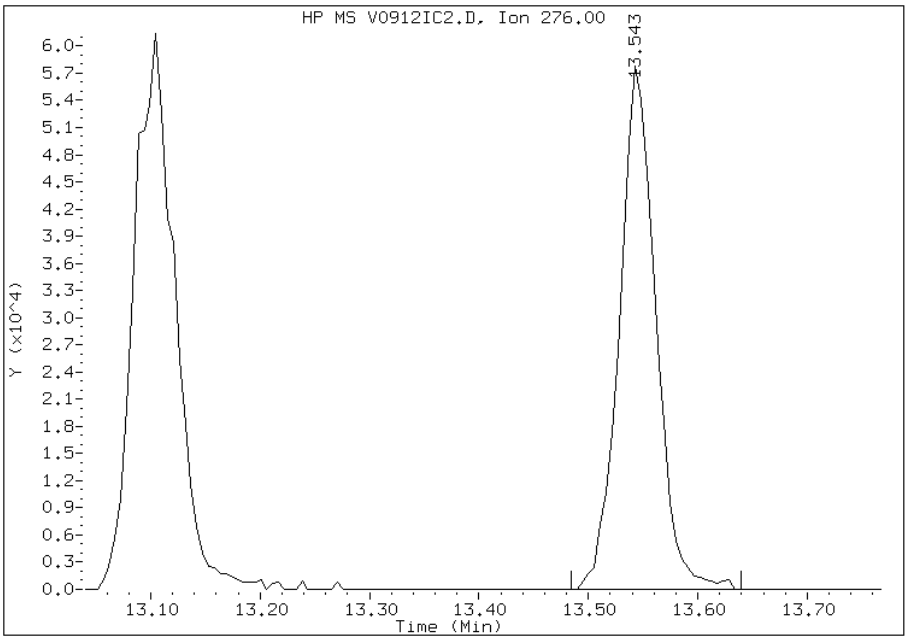
Manual Integration Results

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

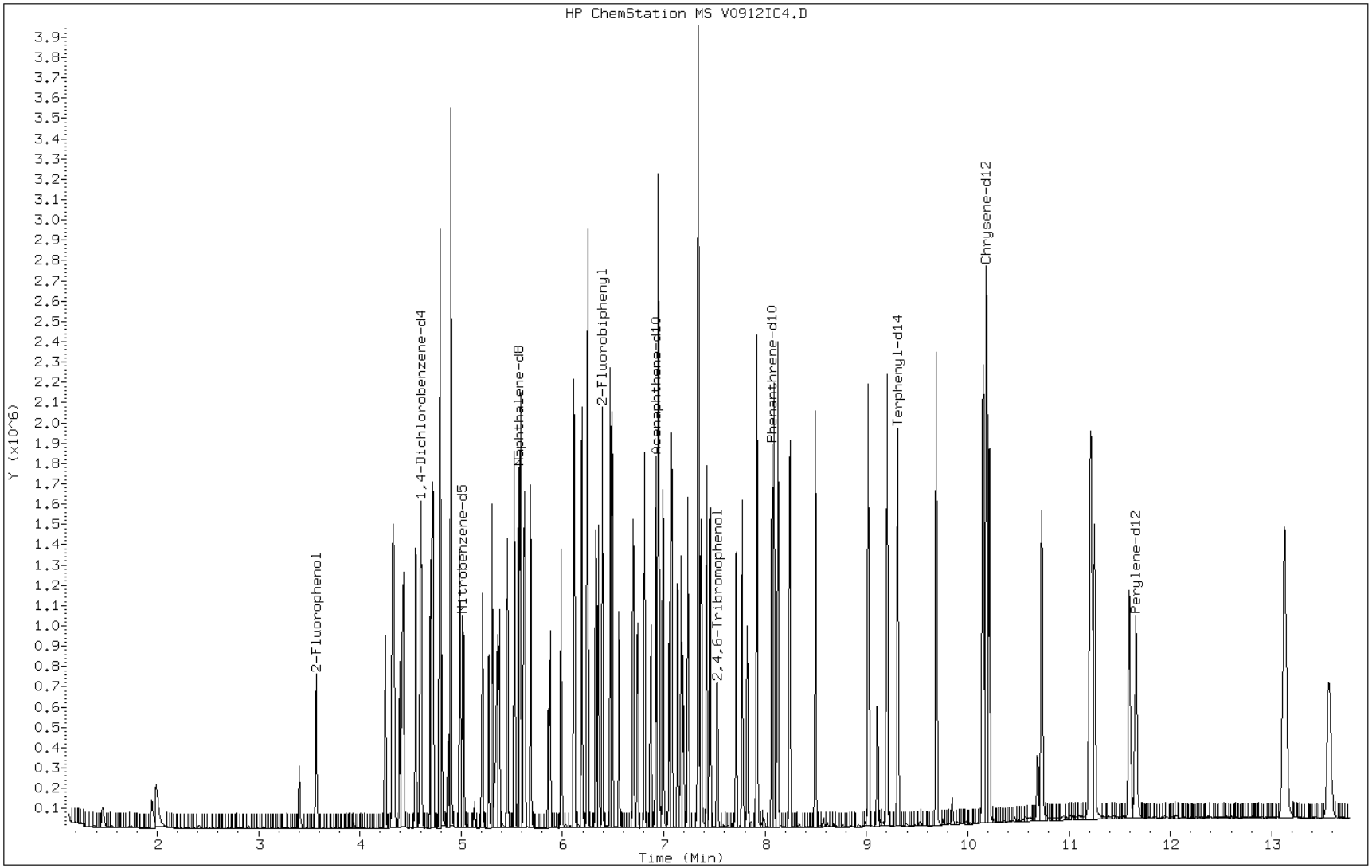
M - Compound response manually integrated.

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

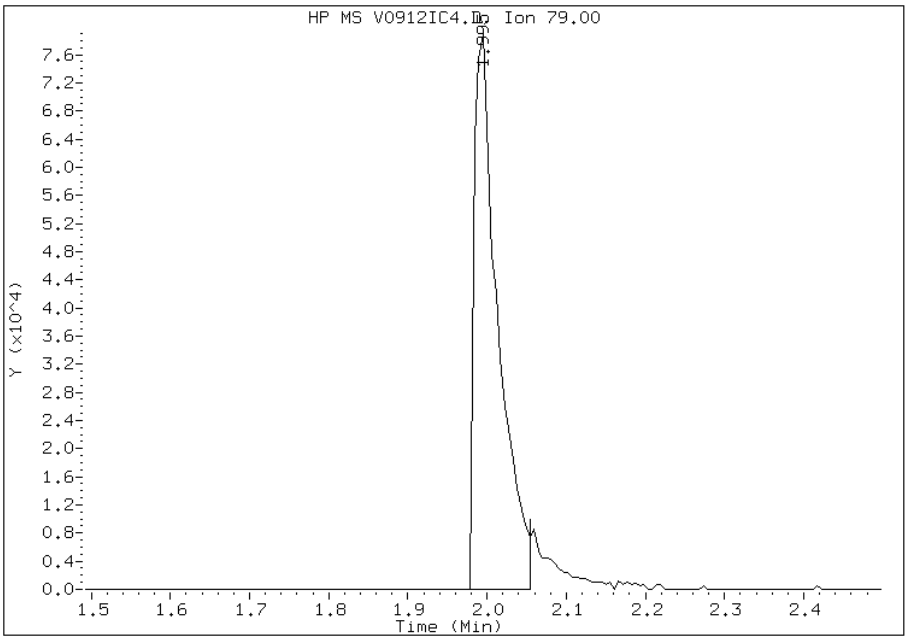
Processing Integration Results

RT: 2.00

Response: 163972

Amount: 10

Conc: 10



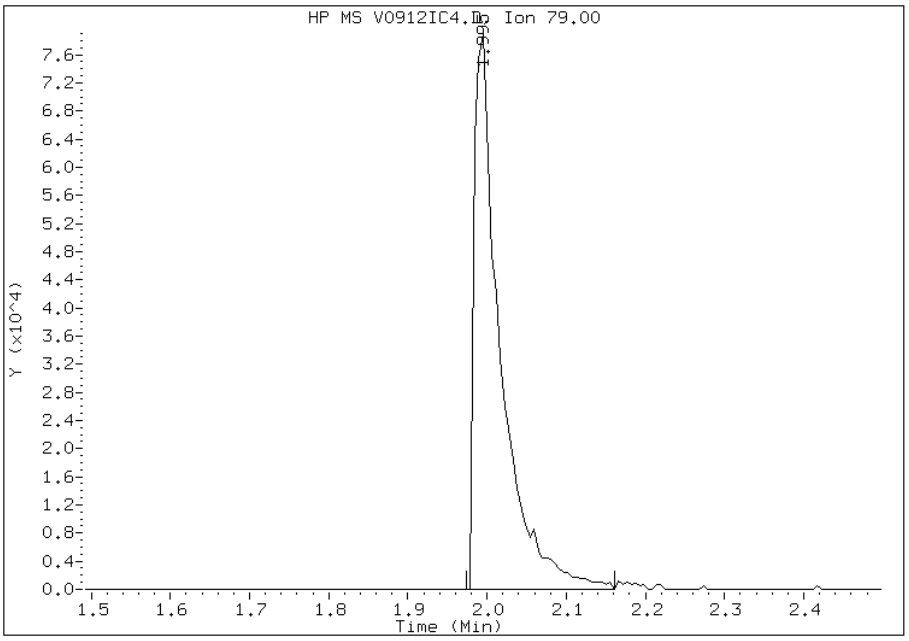
Manual Integration Results

RT: 2.00

Response: 180297

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

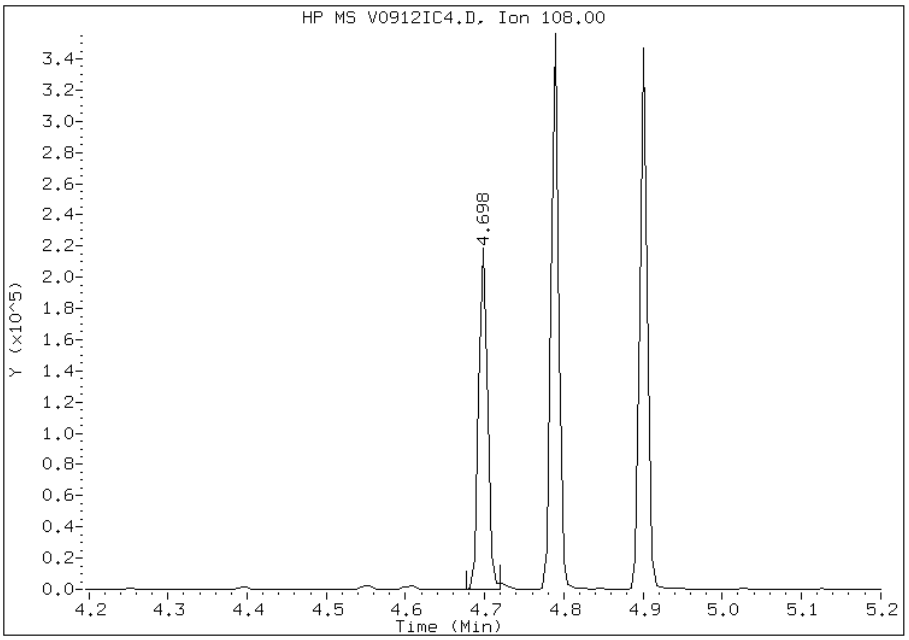
Processing Integration Results

RT: 4.70

Response: 163957

Amount: 10

Conc: 10



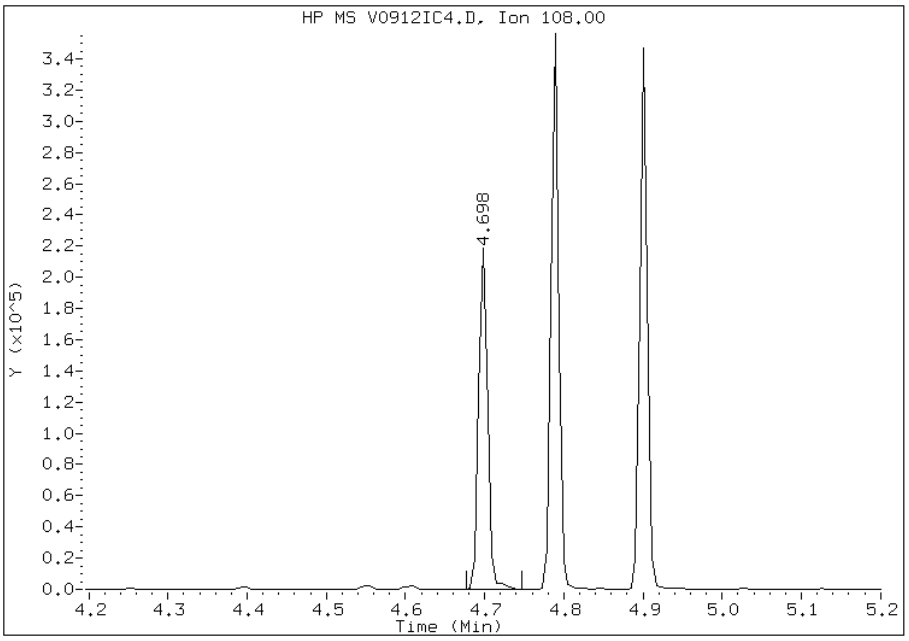
Manual Integration Results

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

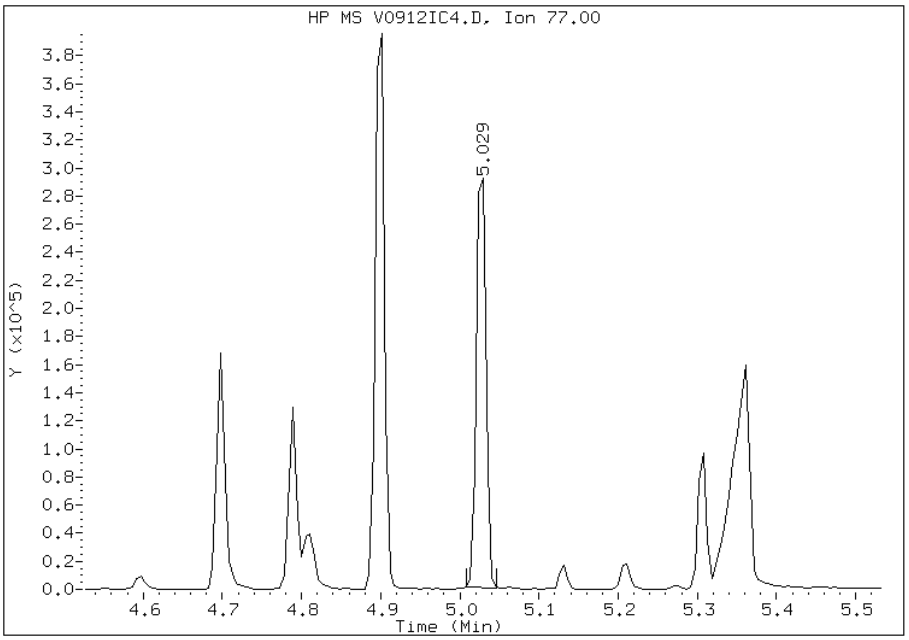
Processing Integration Results

RT: 5.03

Response: 240713

Amount: 9

Conc: 9



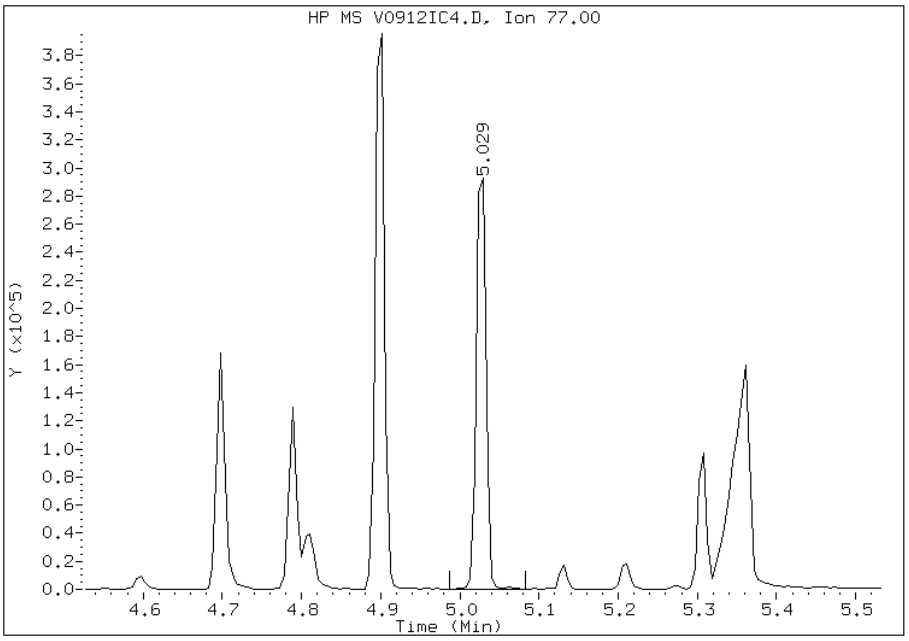
Manual Integration Results

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

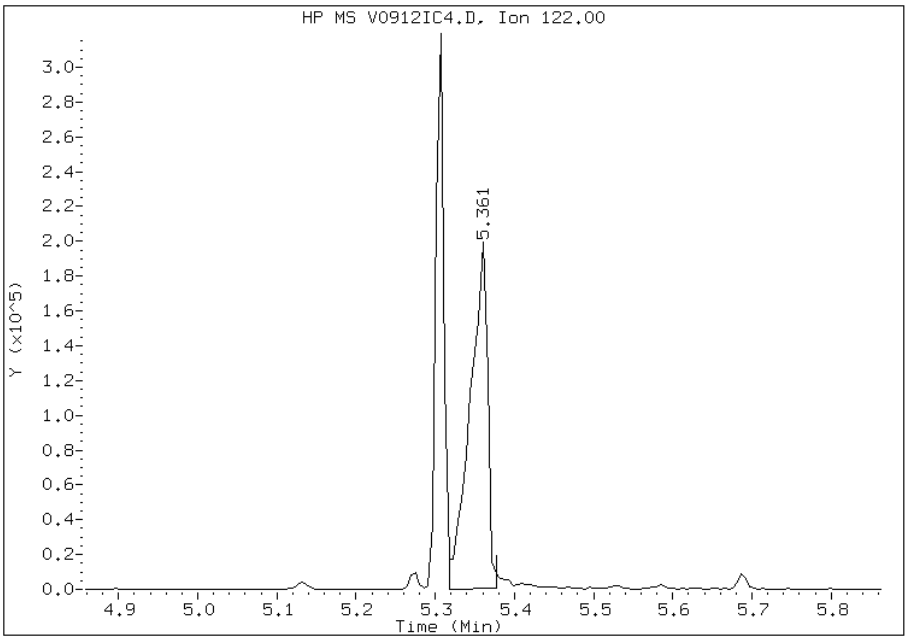
Processing Integration Results

RT: 5.36

Response: 304298

Amount: 21

Conc: 21



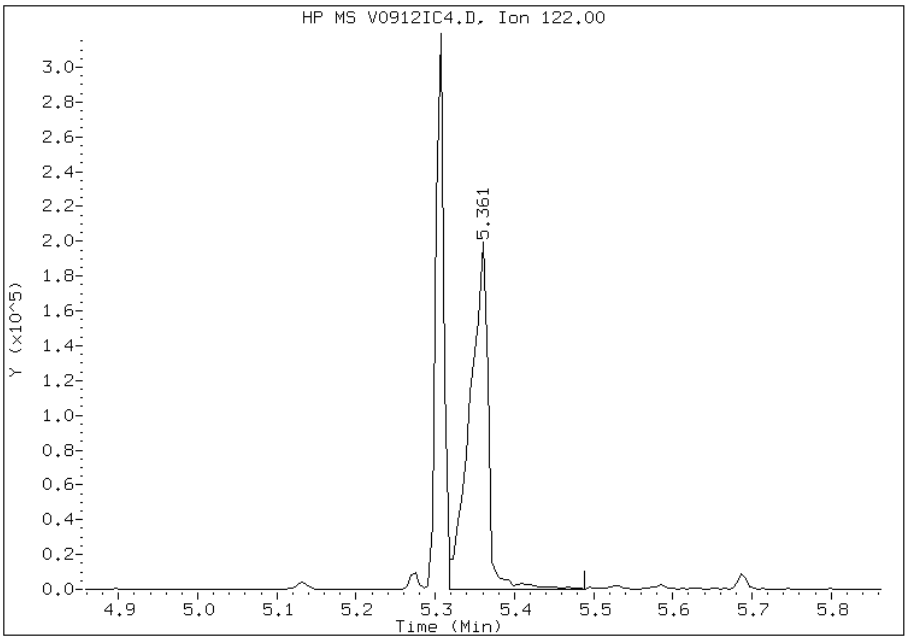
Manual Integration Results

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

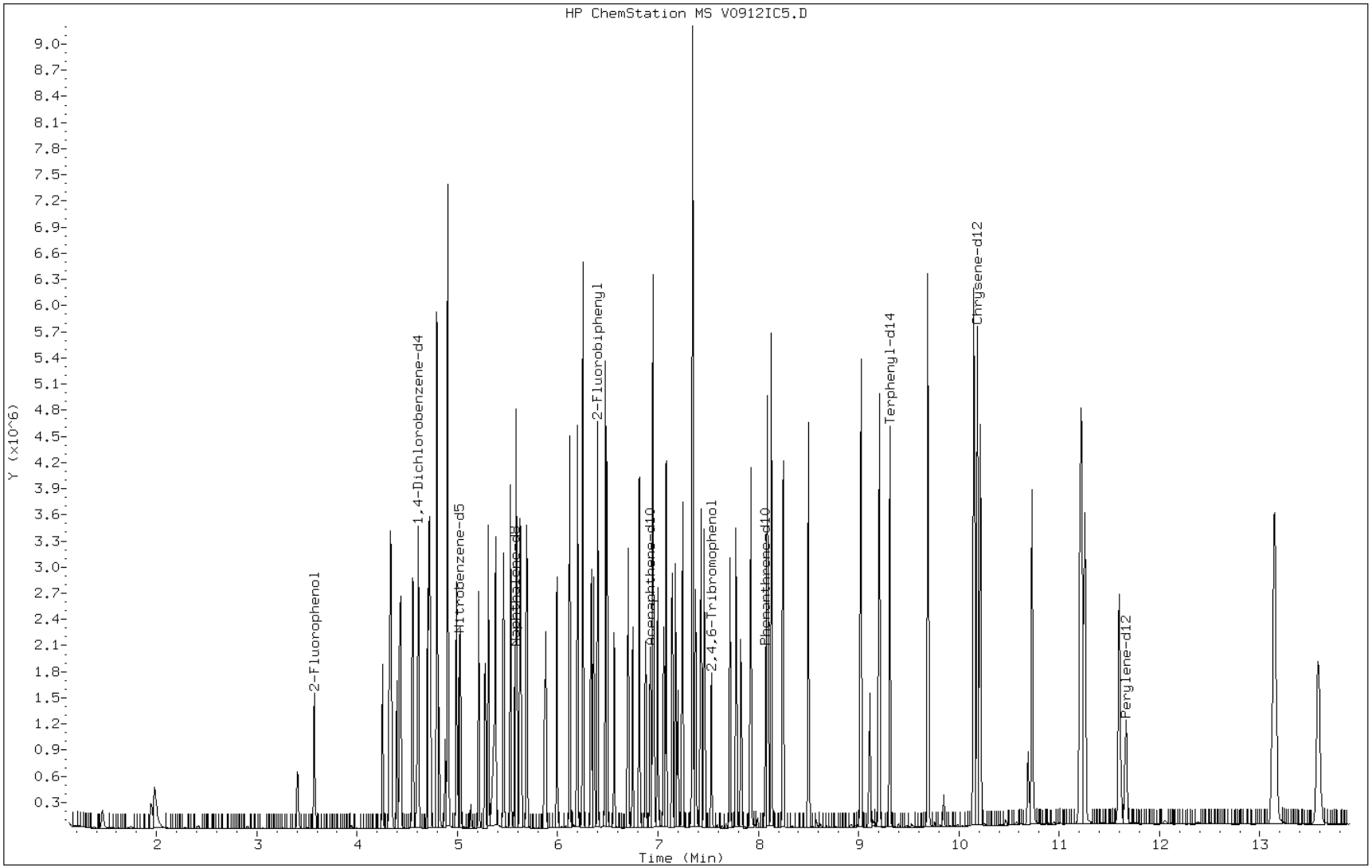
M - Compound response manually integrated.

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

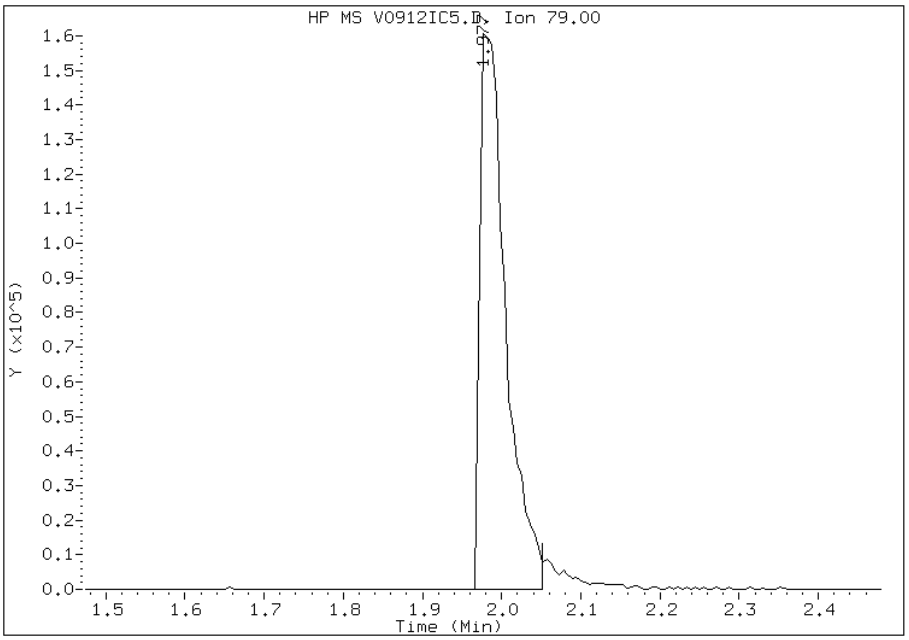
Processing Integration Results

RT: 1.98

Response: 363375

Amount: 20

Conc: 20



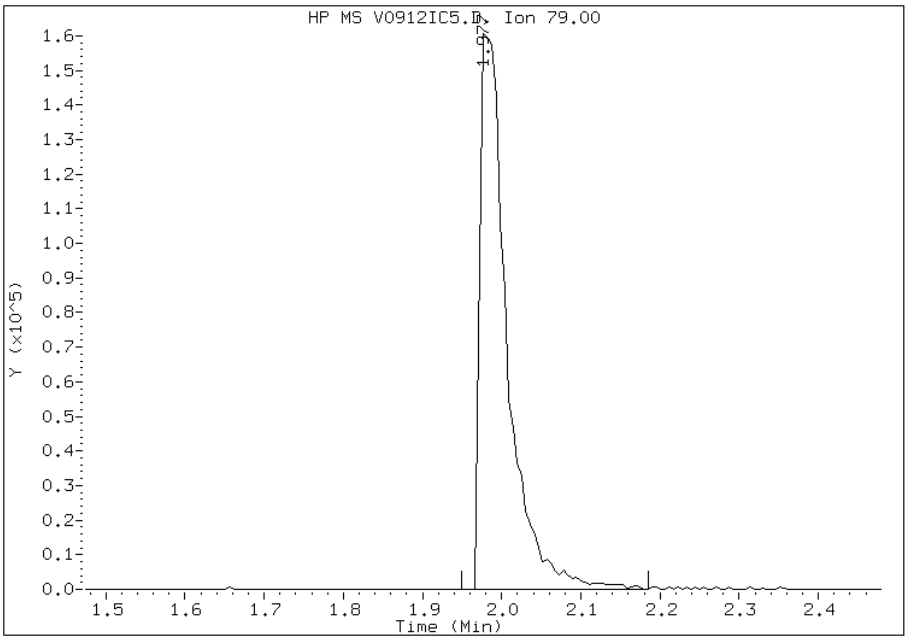
Manual Integration Results

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

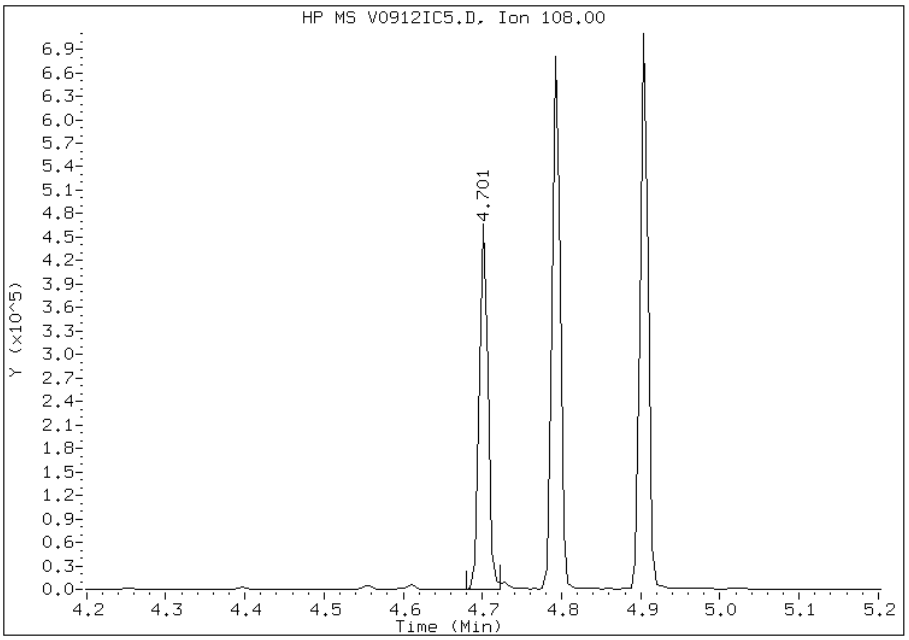
Processing Integration Results

RT: 4.70

Response: 341636

Amount: 19

Conc: 19



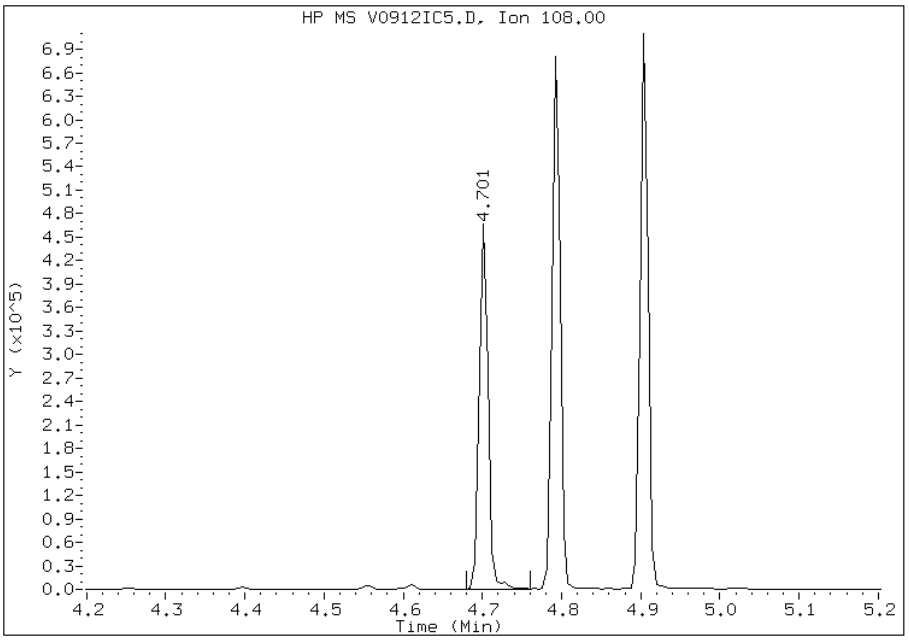
Manual Integration Results

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

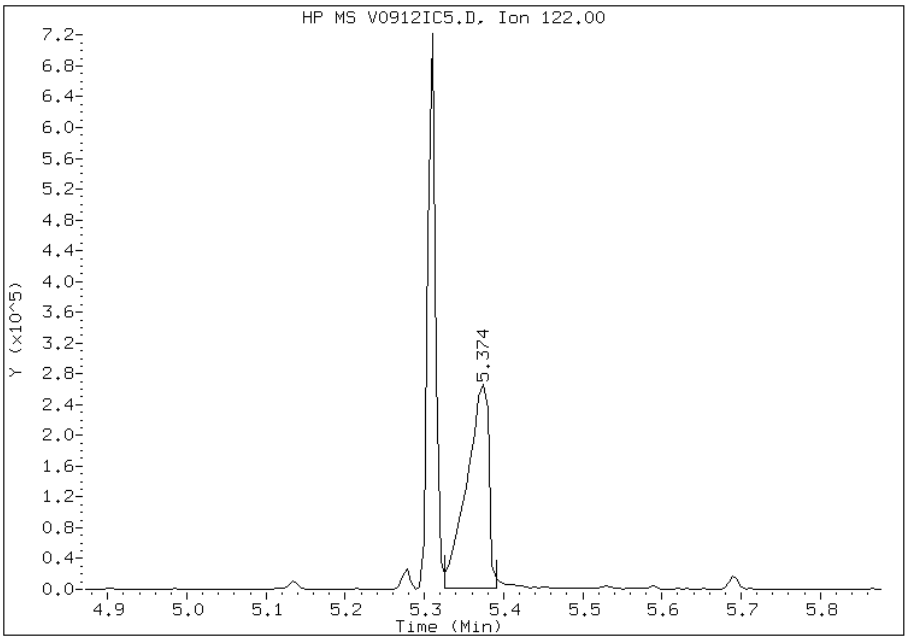
Processing Integration Results

RT: 5.37

Response: 506564

Amount: 30

Conc: 30



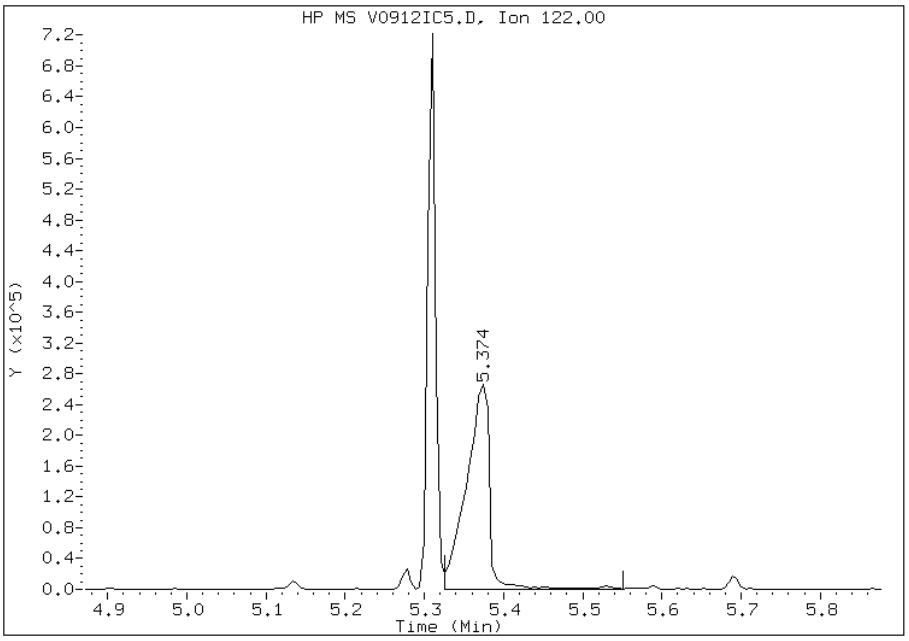
Manual Integration Results

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

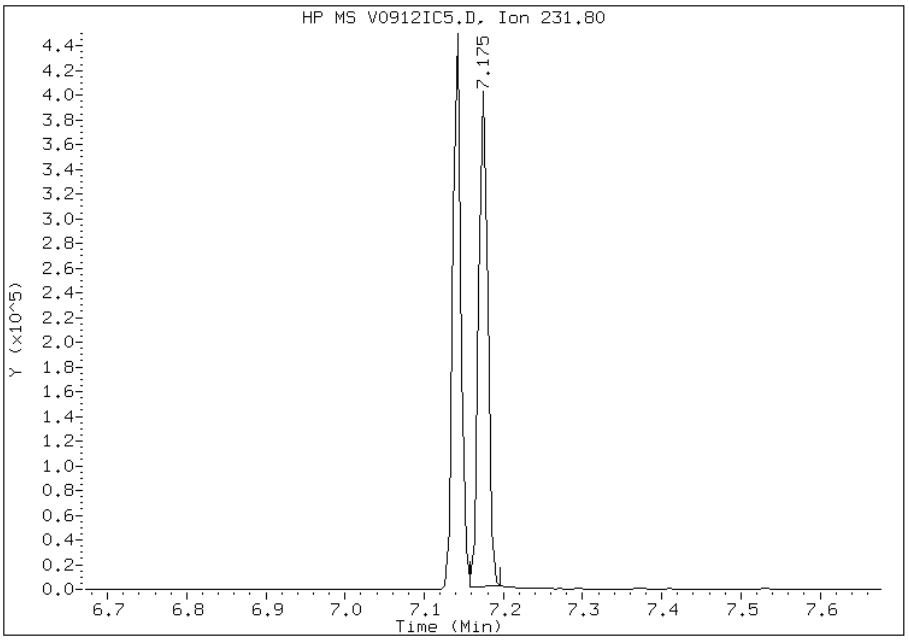
Processing Integration Results

RT: 7.17

Response: 309783

Amount: 20

Conc: 20



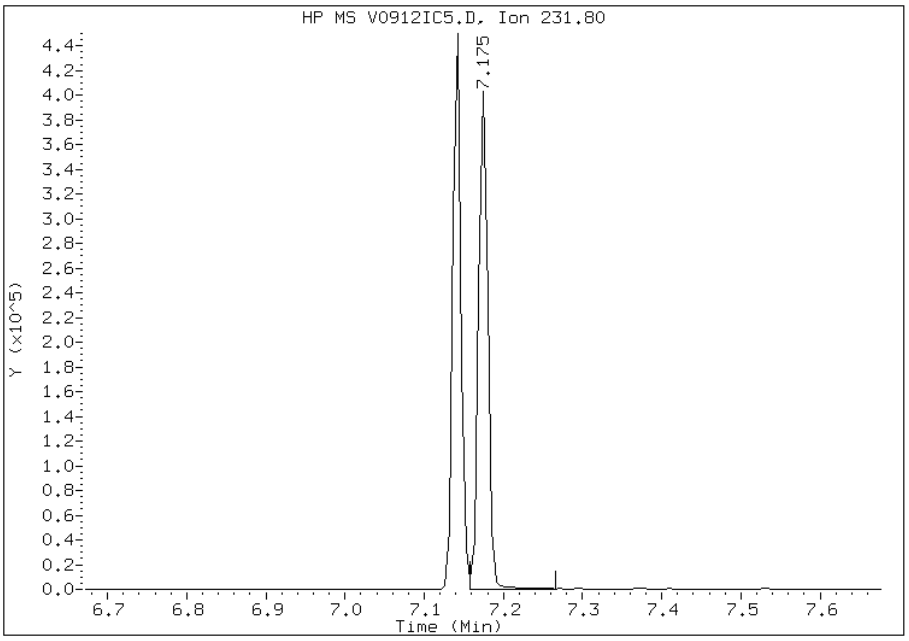
Manual Integration Results

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

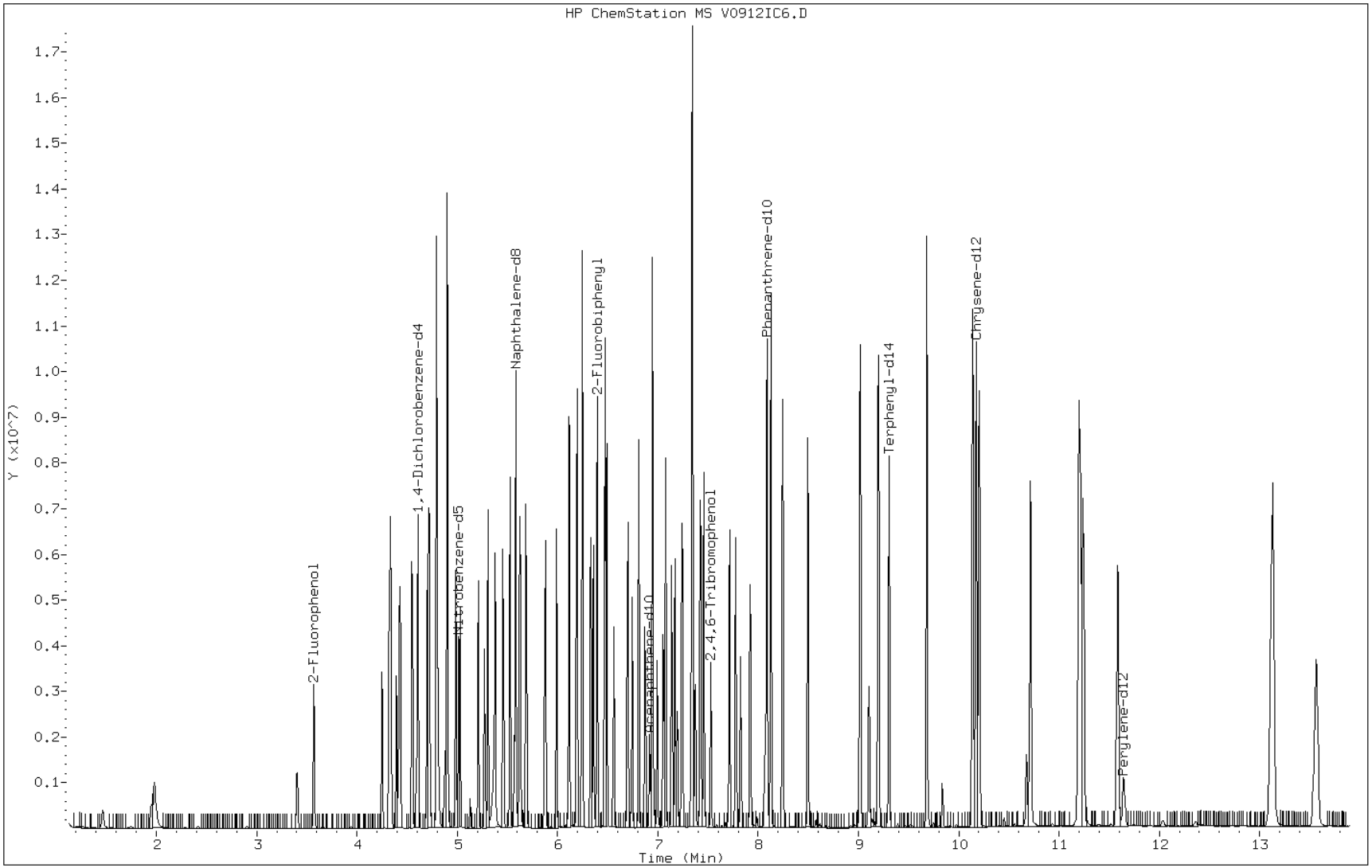
M - Compound response manually integrated.

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

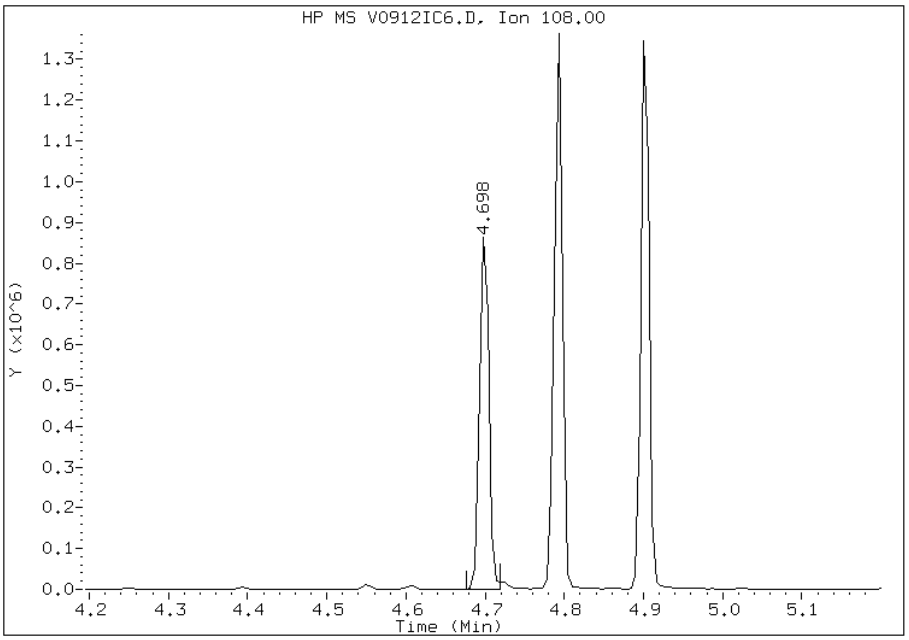
Processing Integration Results

RT: 4.70

Response: 687191

Amount: 37

Conc: 37



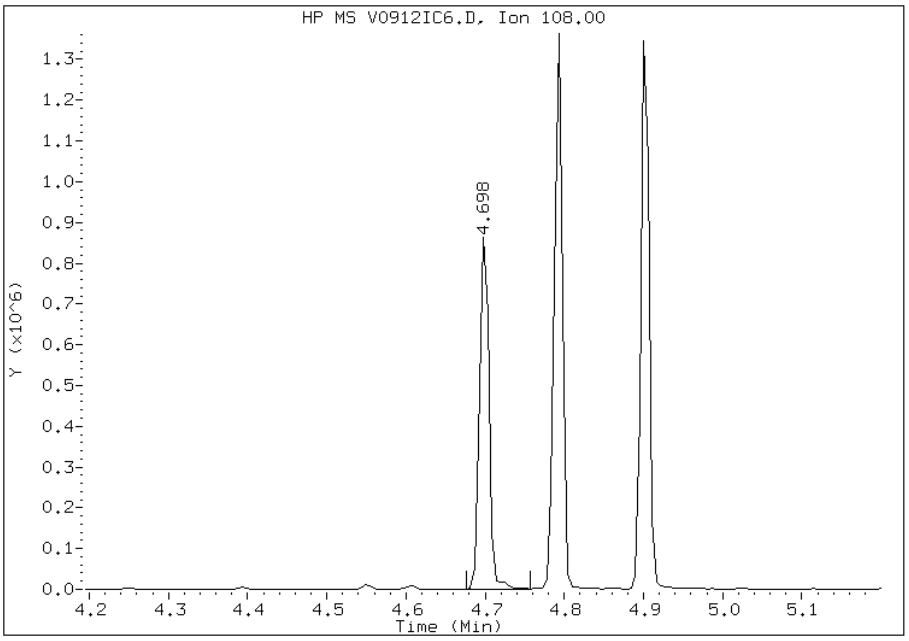
Manual Integration Results

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

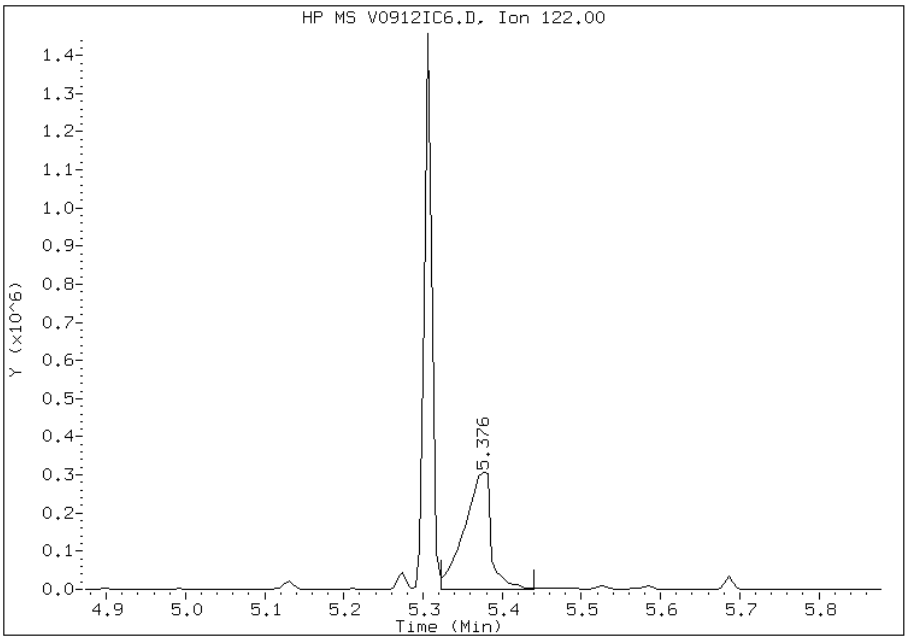
Processing Integration Results

RT: 5.38

Response: 718352

Amount: 43

Conc: 43



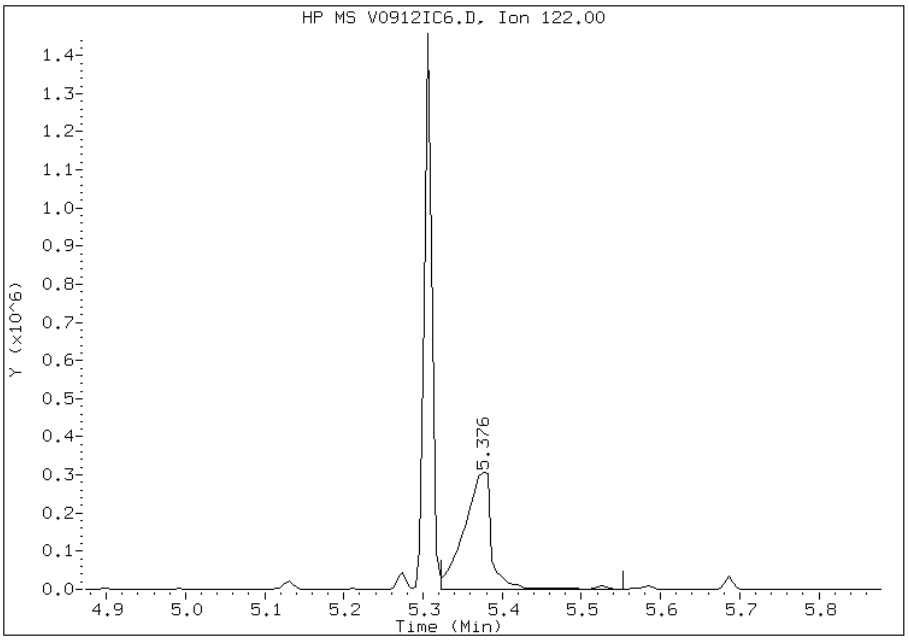
Manual Integration Results

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

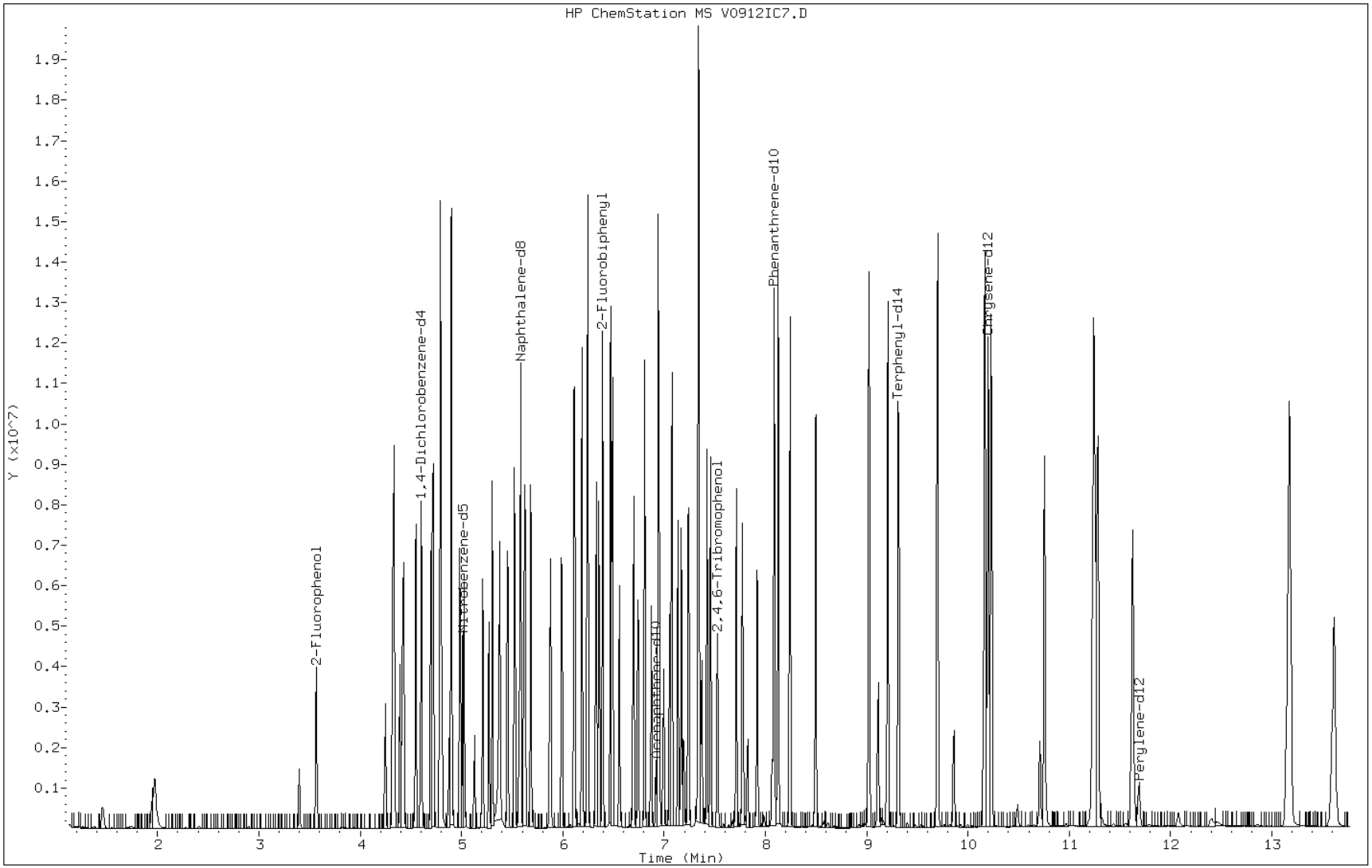
M - Compound response manually integrated.

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

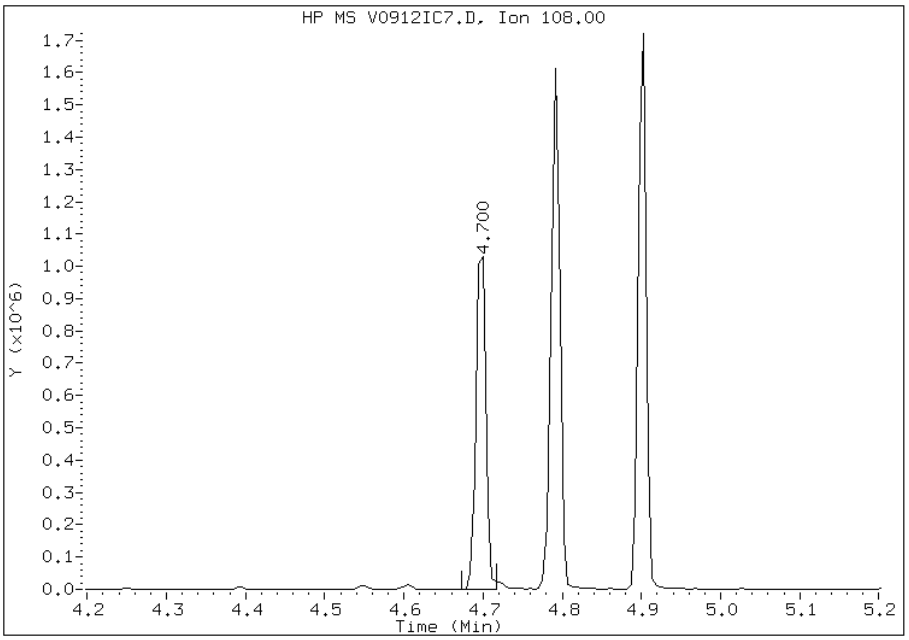
Processing Integration Results

RT: 4.70

Response: 879786

Amount: 59

Conc: 59



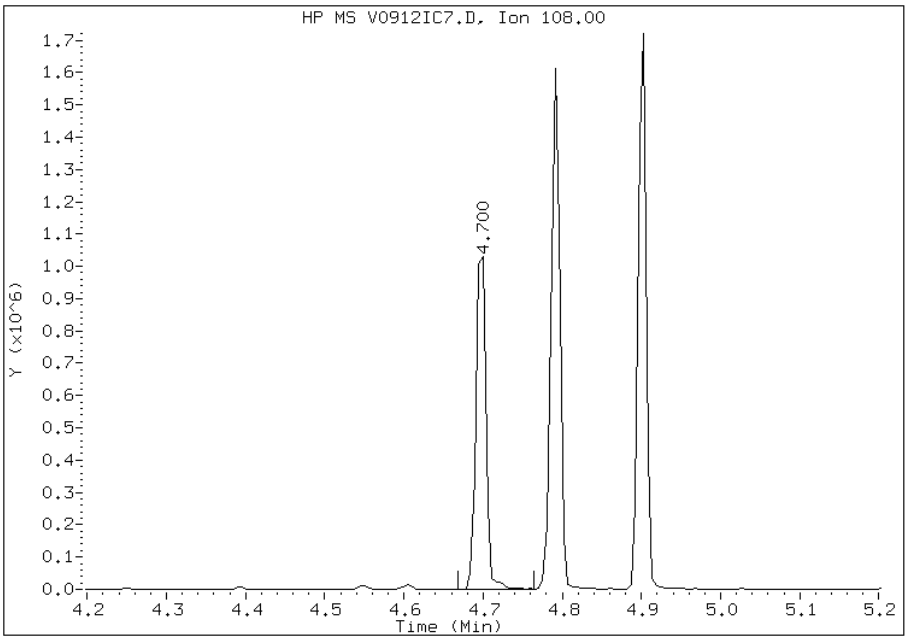
Manual Integration Results

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

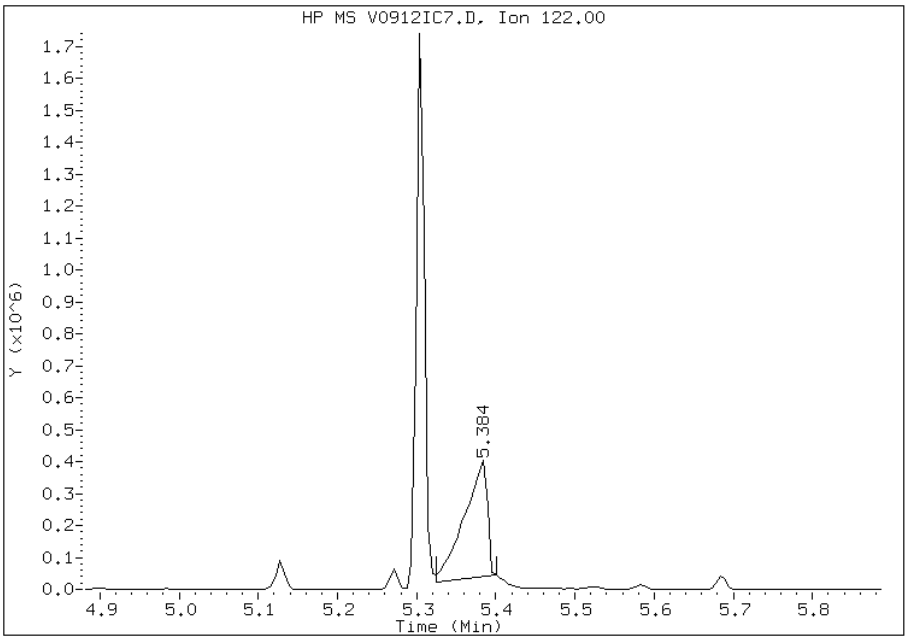
Processing Integration Results

RT: 5.38

Response: 729161

Amount: 54

Conc: 54



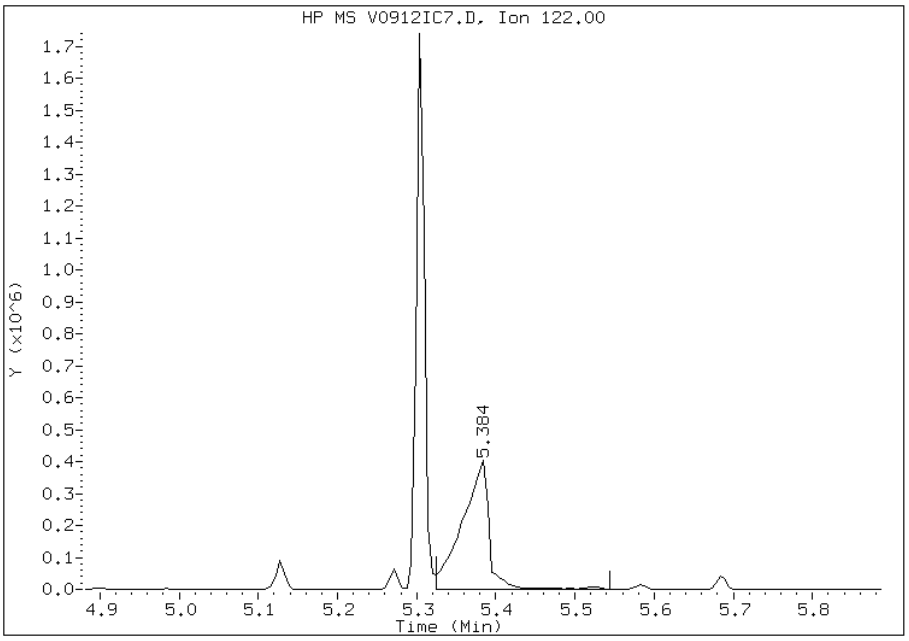
Manual Integration Results

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

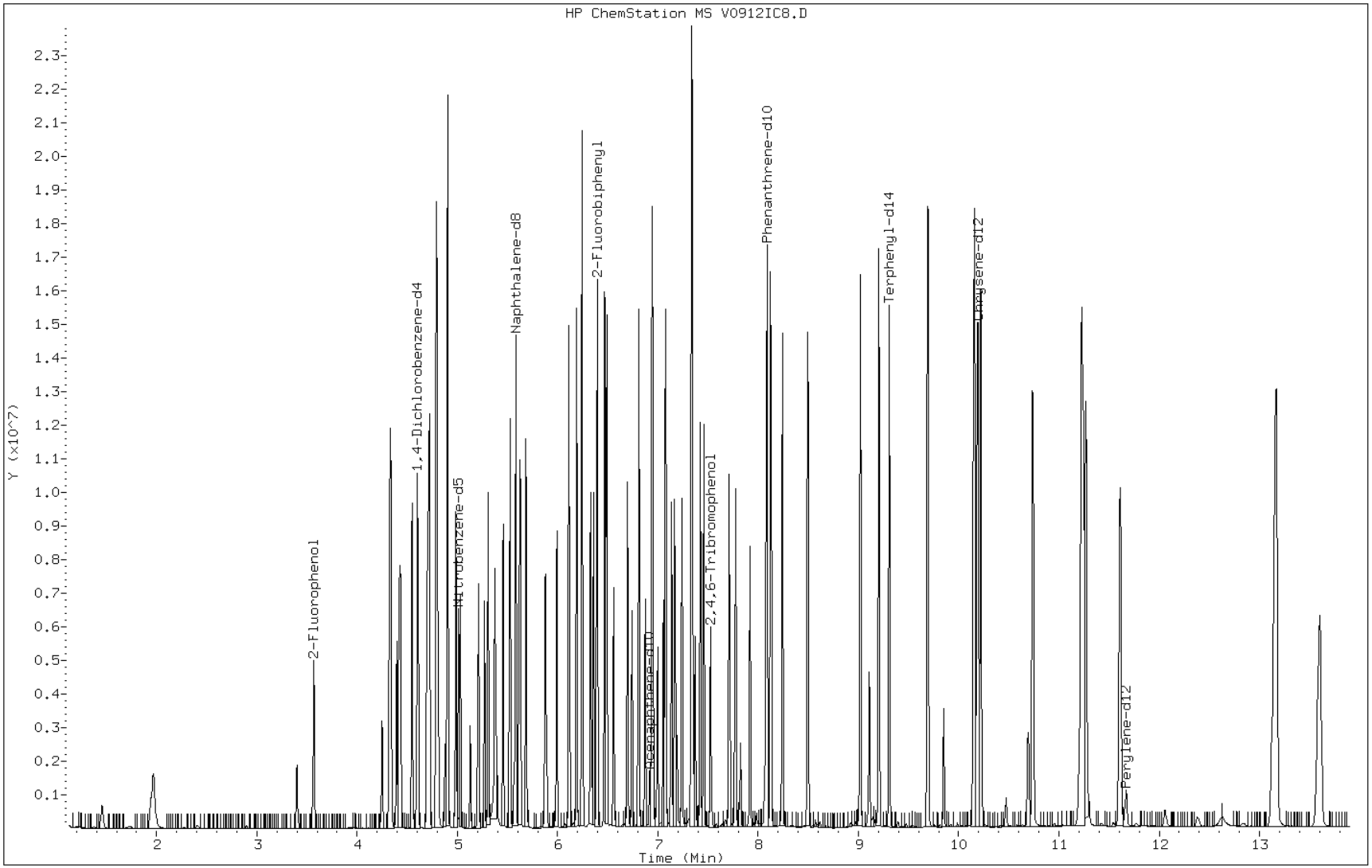
M - Compound response manually integrated.

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

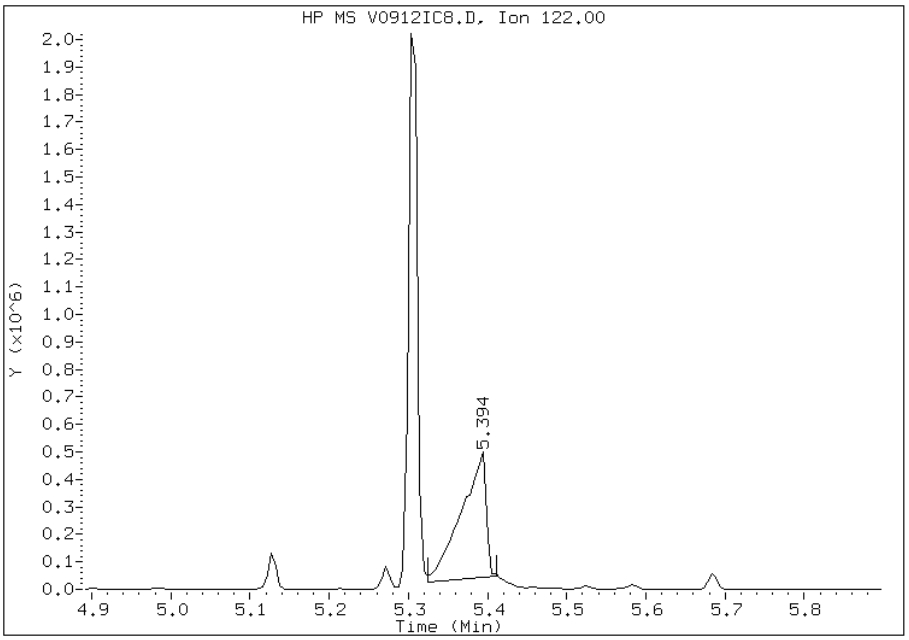
Processing Integration Results

RT: 5.39

Response: 972410

Amount: 71

Conc: 71



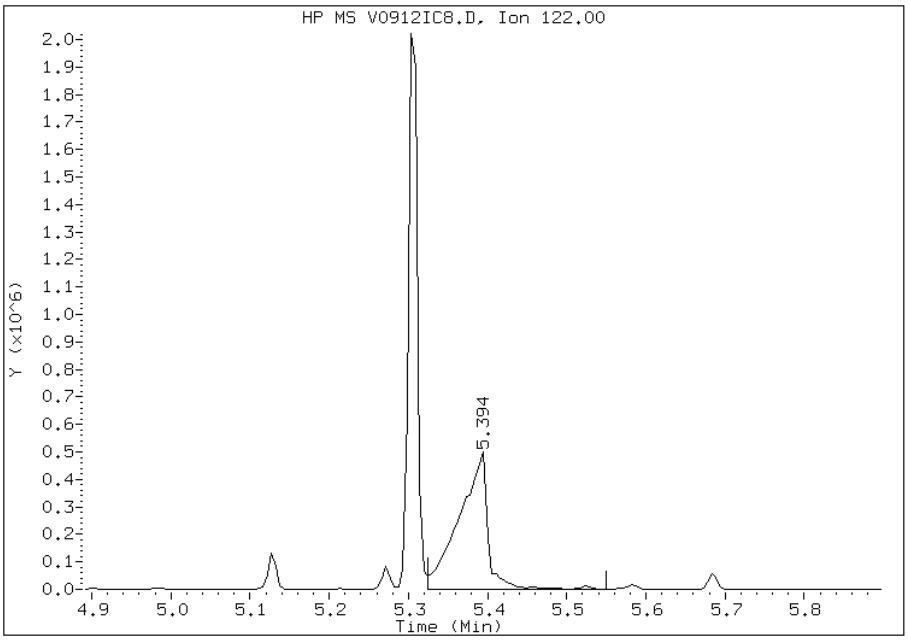
Manual Integration Results

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.: 180-14654-1

SDG No.:

Lab Sample ID: CCVIS 180-50568/20 Calibration Date: 10/02/2012 08:07

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: V10020CC.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	0.3860		2.46	2.00	23.0	50.0
N-Nitrosodimethylamine	Ave	0.4487	0.4835		2.16	2.00	7.8	50.0
Pyridine	Ave	0.8132	0.8177		2.01	2.00	0.6	50.0
Methyl methanesulfonate	Ave	0.4963	0.5200		2.10	2.00	4.8	50.0
Benzaldehyde	Ave	0.6202	0.6918		2.23	2.00	11.5	50.0
Phenol	Ave	1.549	1.613		2.08	2.00	4.2	20.0
Aniline	Ave	1.513	1.465		1.94	2.00	-3.2	50.0
Bis(2-chloroethyl)ether	Ave	1.055	1.137		2.15	2.00	7.7	25.0
2-Chlorophenol	Ave	1.348	1.444		2.14	2.00	7.1	25.0
1,3-Dichlorobenzene	Ave	1.610	1.662		2.06	2.00	3.2	50.0
1,4-Dichlorobenzene	Ave	1.649	1.718		2.08	2.00	4.2	20.0
Benzyl alcohol	Ave	0.7999	0.5923		1.48	2.00	-26.0	50.0
1,2-Dichlorobenzene	Ave	1.591	1.663		2.09	2.00	4.5	50.0
2-Methylphenol	Ave	1.151	1.209		2.10	2.00	5.1	25.0
Indene	Ave	2.127	2.249		2.12	2.00	5.8	50.0
2,2'-oxybis[1-chloropropane]	Ave	1.517	1.638		2.16	2.00	8.0	50.0
N-Nitrosopyrrolidine	Ave	0.4657	0.4990		2.14	2.00	7.2	50.0
Acetophenone	Ave	1.588	1.733		2.18	2.00	9.1	50.0
Methylphenol, 3 & 4	Ave	1.114	1.248		2.24	2.00	12.0	25.0
N-Nitrosodi-n-propylamine	Ave	0.7471	0.8374	0.0500	2.24	2.00	12.1	25.0
Hexachloroethane	Ave	0.6548	0.6611		2.02	2.00	1.0	25.0
Nitrobenzene	Ave	0.3107	0.3149		2.03	2.00	1.4	25.0
Isophorone	Ave	0.5097	0.5199		2.04	2.00	2.0	25.0
2-Nitrophenol	Ave	0.1913	0.1995		2.09	2.00	4.3	20.0
2,4-Dimethylphenol	Ave	0.3088	0.3317		2.15	2.00	7.4	25.0
Benzoic acid	Ave	0.1999	0.1812		4.53	5.00	-9.3	50.0
Bis(2-chloroethoxy)methane	Ave	0.3302	0.3361		2.04	2.00	1.8	25.0
2,4-Dichlorophenol	Ave	0.2933	0.2919		1.99	2.00	-0.5	20.0
1,2,4-Trichlorobenzene	Ave	0.3601	0.3540		1.97	2.00	-1.7	25.0
Naphthalene	Ave	1.028	1.002		1.95	2.00	-2.6	25.0
4-Chloroaniline	Ave	0.3949	0.3948		2.00	2.00	-0.0	50.0
2,6-Dichlorophenol	Ave	0.2774	0.2808		2.02	2.00	1.2	50.0
Hexachlorobutadiene	Ave	0.2051	0.2032		1.98	2.00	-0.9	20.0
Caprolactam	Ave	0.0754	0.0757		2.01	2.00	0.3	50.0
4-Chloro-3-methylphenol	Ave	0.2611	0.2717		2.08	2.00	4.1	20.0
2-Methylnaphthalene	Ave	0.6976	0.6909		1.98	2.00	-1.0	25.0
1-Methylnaphthalene	Ave	0.6546	0.6558		2.00	2.00	0.2	50.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5992	0.6101		2.04	2.00	1.8	50.0
Hexachlorocyclopentadiene	Ave	0.3959	0.4012	0.0500	2.03	2.00	1.3	50.0
2,4,6-Trichlorophenol	Ave	0.4067	0.3999		1.97	2.00	-1.7	20.0
2,4,5-Trichlorophenol	Ave	0.4354	0.4318		1.98	2.00	-0.8	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Lab Sample ID: CCVIS 180-50568/20 Calibration Date: 10/02/2012 08:07

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: V10020CC.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	1.474		1.98	2.00	-1.1	50.0
2-Chloronaphthalene	Ave	1.224	1.220		1.99	2.00	-0.3	25.0
2-Nitroaniline	Ave	0.2854	0.3000		2.10	2.00	5.1	50.0
Dimethyl phthalate	Ave	1.257	1.255		2.00	2.00	-0.1	50.0
2,6-Dinitrotoluene	Ave	0.2767	0.2735		1.98	2.00	-1.2	25.0
Acenaphthylene	Ave	1.800	1.738		1.93	2.00	-3.4	25.0
3-Nitroaniline	Ave	0.3140	0.3225		2.05	2.00	2.7	50.0
Acenaphthene	Ave	1.169	1.156		1.98	2.00	-1.2	20.0
2,4-Dinitrophenol	Ave	0.1782	0.1653	0.0500	4.64	5.00	-7.2	50.0
4-Nitrophenol	Ave	0.1605	0.1665	0.0500	5.18	5.00	3.7	50.0
2,4-Dinitrotoluene	Ave	0.3743	0.3795		2.03	2.00	1.4	25.0
Dibenzofuran	Ave	1.699	1.732		2.04	2.00	1.9	25.0
2,3,5,6-Tetrachlorophenol	Ave	0.3304	0.3080		1.86	2.00	-6.8	50.0
2,3,4,6-Tetrachlorophenol	Ave	0.3287	0.3316		2.02	2.00	0.9	50.0
2-Naphthylamine	Qua	0.4831	0.3357		1.36	2.00	-32.0	50.0
Diethyl phthalate	Ave	1.250	1.274		2.04	2.00	1.9	50.0
4-Chlorophenyl phenyl ether	Ave	0.6616	0.6825		2.06	2.00	3.2	25.0
4-Nitroaniline	Ave	0.3290	0.3059		1.86	2.00	-7.0	50.0
Fluorene	Ave	1.360	1.329		1.95	2.00	-2.3	25.0
4,6-Dinitro-2-methylphenol	Ave	0.1413	0.1292		4.57	5.00	-8.5	50.0
N-Nitrosodiphenylamine	Ave	0.5280	0.5235		1.98	2.00	-0.9	20.0
1,2-Diphenylhydrazine(as Azobenzene)	Ave	0.7109	0.7219		2.03	2.00	1.5	50.0
4-Bromophenyl phenyl ether	Ave	0.2211	0.2058		1.86	2.00	-6.9	25.0
Hexachlorobenzene	Ave	0.2219	0.2196		1.98	2.00	-1.1	25.0
Atrazine	Qua	0.1180	0.0983		1.67	2.00	-16.7	50.0
Pentachlorophenol	Ave	0.1617	0.1552		4.80	5.00	-4.0	20.0
Phenanthrene	Ave	1.166	1.149		1.97	2.00	-1.5	25.0
Anthracene	Ave	1.183	1.140		1.93	2.00	-3.6	25.0
Carbazole	Ave	1.019	0.9649		1.89	2.00	-5.3	50.0
Di-n-butyl phthalate	Ave	1.266	1.191		1.88	2.00	-5.9	50.0
Fluoranthene	Ave	1.214	1.127		1.86	2.00	-7.1	20.0
Benzidine	Ave	0.3092	0.2704			2.00	-12.6	50.0
Pyrene	Ave	1.267	1.444		2.28	2.00	14.0	25.0
Butyl benzyl phthalate	Ave	0.5485	0.5817		2.12	2.00	6.0	50.0
3,3'-Dichlorobenzidine	Ave	0.3986	0.3728		1.87	2.00	-6.5	50.0
Bis(2-ethylhexyl) phthalate	Ave	0.7770	0.7950		2.05	2.00	2.3	50.0
Benzo[a]anthracene	Ave	1.164	1.191		2.05	2.00	2.3	25.0
Chrysene	Ave	1.084	1.102		2.03	2.00	1.7	25.0
Di-n-octyl phthalate	Ave	1.315	1.400		2.13	2.00	6.5	20.0
7,12-Dimethylbenz(a)anthracene	Ave	0.5444	0.5660		2.08	2.00	4.0	50.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Lab Sample ID: CCVIS 180-50568/20 Calibration Date: 10/02/2012 08:07

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: V10020CC.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	1.317		2.02	2.00	0.9	25.0
Benzo[k]fluoranthene	Ave	1.301	1.330		2.04	2.00	2.2	25.0
Benzo[a]pyrene	Ave	0.9783	0.9723		1.99	2.00	-0.6	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.199	1.121		1.87	2.00	-6.5	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	0.9365		1.86	2.00	-6.9	25.0
2-Fluorophenol	Ave	1.068	1.131		2.12	2.00	5.9	
Phenol-d5	Ave	1.312	1.401		2.14	2.00	6.8	
2-Chlorophenol-d4	Ave	1.356	1.440		2.12	2.00	6.2	
1,2-Dichlorobenzene-d4	Ave	0.9691	1.000		2.06	2.00	3.2	
Nitrobenzene-d5	Ave	0.3062	0.2996		1.96	2.00	-2.2	
2-Fluorobiphenyl	Ave	1.323	1.318		1.99	2.00	-0.4	
2,4,6-Tribromophenol	Ave	0.0929	0.0845		1.82	2.00	-9.0	
Terphenyl-d14	Ave	0.7670	0.8499		2.22	2.00	10.8	

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV100212.b\V10020CC.D
Lab Smp Id: CCVIS 580597
Inj Date : 02-OCT-2012 08:07
Operator : 003200 Inst ID: 731.i
Smp Info : CCVIS 580597
Misc Info : TV100212.b,T8270ll.m,padepi.sub
Comment :
Method : \\PITSVR06\D\chem\731.i\TV100212.b\T8270ll.m
Meth Date : 02-Oct-2012 08:29 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	4.594	4.594	(1.000)	172411	8.00000	
* 2 Naphthalene-d8	136	5.572	5.572	(1.000)	717642	8.00000	
* 3 Acenaphthene-d10	164	6.929	6.929	(1.000)	400406	8.00000	
* 4 Phenanthrene-d10	188	8.083	8.083	(1.000)	681040	8.00000	
* 5 Chrysene-d12	240	10.139	10.139	(1.000)	543070	8.00000	
* 6 Perylene-d12	264	11.582	11.582	(1.000)	473645	8.00000	
198 1,4-Dioxane	88	1.437	1.437	(0.313)	33274	4.00000	4.9219
10 N-Nitrosodimethylamine	74	1.929	1.929	(0.420)	41682	4.00000	4.3102
9 Pyridine	79	1.977	1.977	(0.430)	70494	4.00000	4.0222
16 Methyl methanesulfonate	80	3.398	3.398	(0.740)	44828	4.00000	4.1914
206 Benzaldehyde	77	4.247	4.247	(0.924)	59638	4.00000	4.4620
21 Aniline	93	4.338	4.338	(0.944)	126277	4.00000	3.8733
22 Phenol	94	4.327	4.327	(0.942)	139080	4.00000	4.1674
23 bis(2-Chloroethyl)ether	93	4.391	4.391	(0.956)	97975	4.00000	4.3078
24 2-Chlorophenol	128	4.429	4.429	(0.964)	124441	4.00000	4.2841
26 1,3-Dichlorobenzene	146	4.552	4.552	(0.991)	143283	4.00000	4.1286
27 1,4-Dichlorobenzene	146	4.610	4.610	(1.003)	148126	4.00000	4.1672
28 1,2-Dichlorobenzene	146	4.722	4.722	(1.028)	143325	4.00000	4.1792
217 Indene	116	4.792	4.792	(1.043)	193909	4.00000	4.2301
29 Benzyl Alcohol	108	4.701	4.701	(1.023)	51059	4.00000	2.9619(M)
30 2-Methylphenol	108	4.792	4.792	(1.043)	104251	4.00000	4.2020
31 2,2'-oxybis(1-Chloropropane)	45	4.808	4.808	(1.047)	141186	4.00000	4.3189
37 Acetophenone	105	4.899	4.899	(1.066)	149414	4.00000	4.3644
32 N-Nitroso-di-n-propylamine	70	4.904	4.904	(1.067)	72186	4.00000	4.4832
192 4-Methylphenol	108	4.904	4.904	(1.067)	107584	4.00000	4.4802
34 Hexachloroethane	117	4.990	4.990	(1.086)	56991	4.00000	4.0383
35 Nitrobenzene	77	5.027	5.027	(0.902)	112996	4.00000	4.0545
36 N-Nitrosopyrrolidine	100	4.872	4.872	(1.060)	43017	4.00000	4.2860

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)	186563	4.00000	4.0801
42 2-Nitrophenol	139	5.278	5.278	(0.947)	71577	4.00000	4.1712
43 2,4-Dimethylphenol	107	5.315	5.315	(0.954)	119026	4.00000	4.2962
44 bis(2-Chloroethoxy)methane	93	5.385	5.385	(0.966)	120603	4.00000	4.0718
48 2,4-Dichlorophenol	162	5.465	5.465	(0.981)	104734	4.00000	3.9802
49 Benzoic Acid	122	5.364	5.364	(0.963)	162538	10.0000	9.0655(M)
50 1,2,4-Trichlorobenzene	180	5.534	5.534	(0.993)	127015	4.00000	3.9317
51 Naphthalene	128	5.593	5.593	(1.004)	359509	4.00000	3.8976
52 4-Chloroaniline	127	5.631	5.631	(1.011)	141651	4.00000	3.9985
54 2,6-Dichlorophenol	162	5.636	5.636	(1.012)	100749	4.00000	4.0492
56 Hexachlorobutadiene	225	5.695	5.695	(1.022)	72928	4.00000	3.9634
208 Caprolactam	113	5.866	5.866	(1.053)	27146	4.00000	4.0120
59 4-Chloro-3-Methylphenol	107	5.999	5.999	(1.077)	97497	4.00000	4.1623
62 2-Methylnaphthalene	142	6.122	6.122	(1.099)	247910	4.00000	3.9618
63 1-Methylnaphthalene	142	6.202	6.202	(1.113)	235308	4.00000	4.0071
64 Hexachlorocyclopentadiene	237	6.256	6.256	(0.903)	80317	4.00000	4.0537
65 1,2,4,5-Tetrachlorobenzene	216	6.256	6.256	(0.903)	122144	4.00000	4.0731
66 2,4,6-Trichlorophenol	196	6.341	6.341	(0.915)	80063	4.00000	3.9337
67 2,4,5-Trichlorophenol	196	6.368	6.368	(0.919)	86447	4.00000	3.9666
209 1,1'-Biphenyl	154	6.485	6.485	(0.936)	295102	4.00000	3.9547
70 2-Chloronaphthalene	162	6.501	6.501	(0.938)	244233	4.00000	3.9871
73 2-Nitroaniline	65	6.571	6.571	(0.948)	60054	4.00000	4.2047
76 Dimethylphthalate	163	6.710	6.710	(0.968)	251289	4.00000	3.9951
78 2,6-Dinitrotoluene	165	6.752	6.752	(0.975)	54747	4.00000	3.9534
79 Acenaphthylene	152	6.822	6.822	(0.985)	347915	4.00000	3.8622
81 3-Nitroaniline	138	6.886	6.886	(0.994)	64562	4.00000	4.1080
82 Acenaphthene	153	6.955	6.955	(1.004)	231358	4.00000	3.9527
83 2,4-Dinitrophenol	184	6.966	6.966	(1.005)	82748	10.0000	9.2784
85 4-Nitrophenol	109	7.004	7.004	(1.011)	83317	10.0000	10.369
86 Dibenzofuran	168	7.089	7.089	(1.023)	346738	4.00000	4.0764
87 2,4-Dinitrotoluene	165	7.068	7.068	(1.020)	75980	4.00000	4.0558
91 2,3,5,6-Tetrachlorophenol	232	7.148	7.148	(1.032)	61663	4.00000	3.7291
88 2,3,4,6-Tetrachlorophenol	232	7.180	7.180	(1.036)	66382	4.00000	4.0349
92 2-Naphthylamine	143	7.207	7.207	(1.040)	67207	4.00000	2.7187
93 Diethylphthalate	149	7.255	7.255	(1.047)	254962	4.00000	4.0760
94 Fluorene	166	7.356	7.356	(1.062)	266013	4.00000	3.9072
95 4-Chlorophenyl-phenylether	204	7.351	7.351	(1.061)	136640	4.00000	4.1266
96 4-Nitroaniline	138	7.351	7.351	(1.061)	61233	4.00000	3.7182
98 4,6-Dinitro-2-methylphenol	198	7.383	7.383	(0.913)	110018	10.0000	9.1469
99 N-Nitrosodiphenylamine (1)	169	7.436	7.436	(0.920)	178258	4.00000	3.9655
100 1,2-Diphenylhydrazine	77	7.468	7.468	(0.924)	245804	4.00000	4.0617
106 4-Bromophenyl-phenylether	248	7.725	7.725	(0.956)	70075	4.00000	3.7237
107 Hexachlorobenzene	284	7.789	7.789	(0.964)	74763	4.00000	3.9571
210 Atrazine	200	7.837	7.837	(0.970)	33457	4.00000	3.3330
111 Pentachlorophenol	266	7.933	7.933	(0.981)	132076	10.0000	9.5974
115 Phenanthrene	178	8.099	8.099	(1.002)	391393	4.00000	3.9419
116 Anthracene	178	8.141	8.141	(1.007)	388148	4.00000	3.8550
119 Carbazole	167	8.254	8.254	(1.021)	328581	4.00000	3.7888
120 Di-n-Butylphthalate	149	8.510	8.510	(1.053)	405592	4.00000	3.7639
123 Fluoranthene	202	9.023	9.023	(1.116)	383835	4.00000	3.7143
124 Benzidine	184	9.108	9.108	(0.898)	73421	4.00000	3.4974(M)
125 Pyrene	202	9.199	9.199	(0.907)	392174	4.00000	4.5581
131 Butylbenzylphthalate	149	9.664	9.664	(0.953)	157948	4.00000	4.2419
135 3,3'-Dichlorobenzidine	252	10.091	10.091	(0.995)	101231	4.00000	3.7411

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
136 Benzo(a)Anthracene	228	10.129	10.129	(0.999)	323296	4.00000	4.0902
137 Chrysene	228	10.161	10.161	(1.002)	299314	4.00000	4.0691
139 bis(2-ethylhexyl)Phthalate	149	10.102	10.102	(0.996)	215871	4.00000	4.0929
140 Di-n-octylphthalate	149	10.652	10.652	(0.920)	331564	4.00000	4.2600
141 Benzo(b)fluoranthene	252	11.144	11.144	(0.962)	311938	4.00000	4.0377
142 Benzo(k)fluoranthene	252	11.176	11.176	(0.965)	315028	4.00000	4.0894
143 7,12-dimethylbenz[a]anthracen	256	11.133	11.133	(0.961)	134030	4.00000	4.1587
146 Benzo(a)pyrene	252	11.518	11.518	(0.994)	230253	4.00000	3.9752
149 Indeno(1,2,3-cd)pyrene	276	13.046	13.046	(1.126)	265390	4.00000	3.7383
150 Dibenz(a,h)anthracene	278	13.062	13.062	(1.128)	218288	4.00000	3.6042
151 Benzo(g,h,i)perylene	276	13.489	13.489	(1.165)	221787	4.00000	3.7221
$ 154 Nitrobenzene-d5	82	5.016	5.016	(0.900)	107498	4.00000	3.9132
$ 155 2-Fluorobiphenyl	172	6.405	6.405	(0.924)	263894	4.00000	3.9856
$ 156 Terphenyl-d14	244	9.306	9.306	(0.918)	230779	4.00000	4.4322
$ 157 Phenol-d5	99	4.322	4.322	(0.941)	120815	4.00000	4.2739
$ 158 2-Fluorophenol	112	3.563	3.563	(0.776)	97529	4.00000	4.2369
$ 159 2,4,6-Tribromophenol	330	7.543	7.543	(0.933)	28778	4.00000	3.6385
$ 186 2-Chlorophenol-d4	132	4.418	4.418	(0.962)	124138	4.00000	4.2464
$ 187 1,2-Dichlorobenzene-d4	152	4.712	4.712	(1.026)	86197	4.00000	4.1270

QC Flag Legend

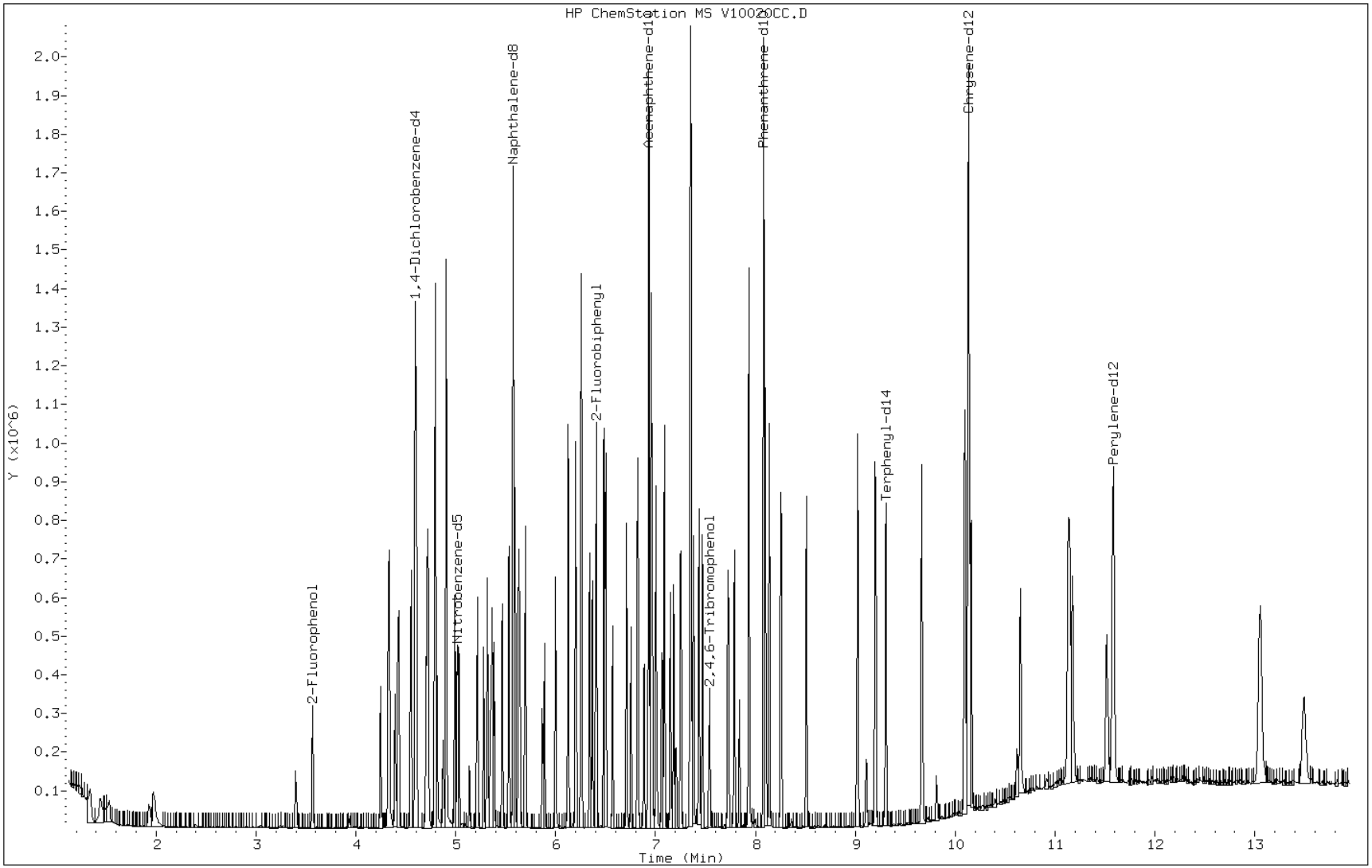
M - Compound response manually integrated.

Data File: V10020CC.D

Date: 02-OCT-2012 08:07

Client ID: Instrument: 731.i

Sample Info: CCVIS 580597 Operator: 003200



Manual Integration Report

Data File: V10020CC.D
Inj. Date and Time: 02-OCT-2012 08:07
Instrument ID: 731.i
Client ID:
Compound: 29 Benzyl Alcohol
CAS #: 100-51-6
Report Date: 10/03/2012

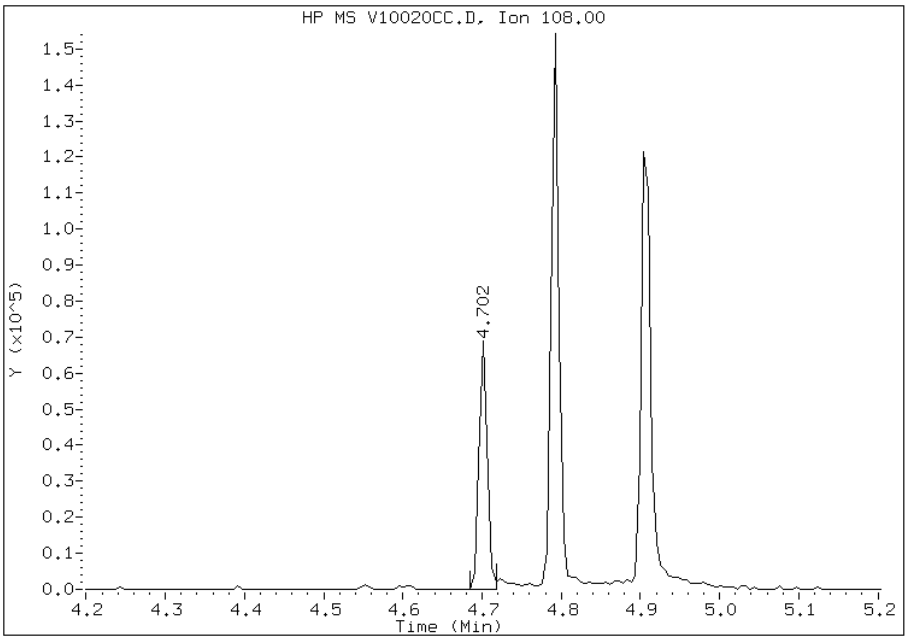
Processing Integration Results

RT: 4.70

Response: 47671

Amount: 3

Conc: 3



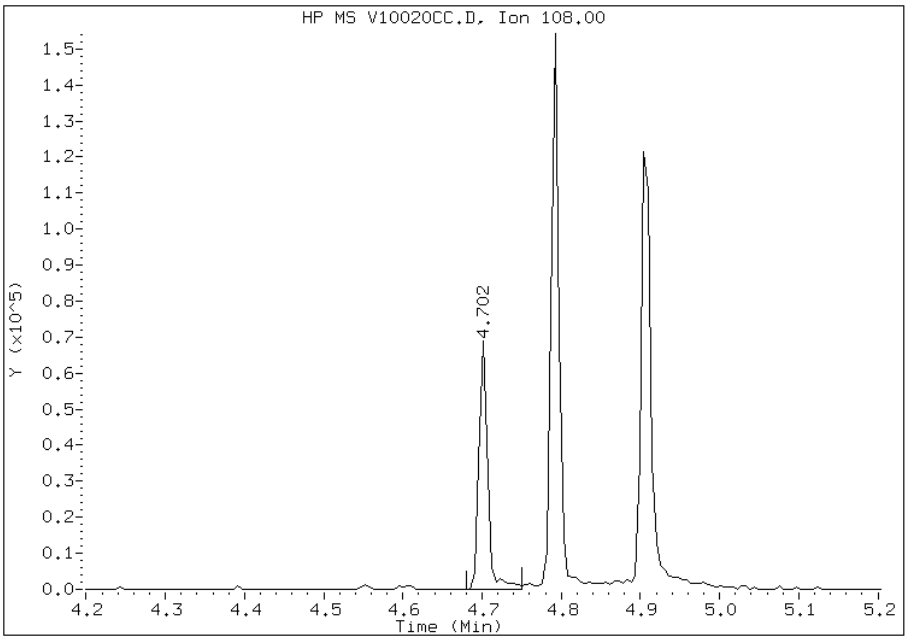
Manual Integration Results

RT: 4.70

Response: 51059

Amount: 3

Conc: 3



Manually Integrated By: piccolinov
Modification Date: 02-Oct-2012 08:30
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V10020CC.D
Inj. Date and Time: 02-OCT-2012 08:07
Instrument ID: 731.i
Client ID:
Compound: 49 Benzoic Acid
CAS #: 65-85-0
Report Date: 10/03/2012

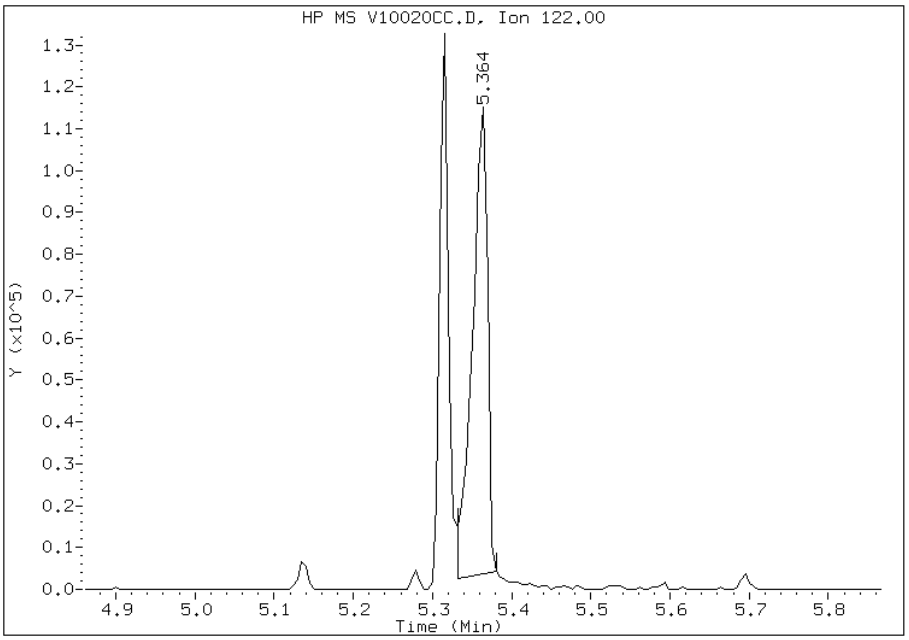
Processing Integration Results

RT: 5.36

Response: 145762

Amount: 8

Conc: 8



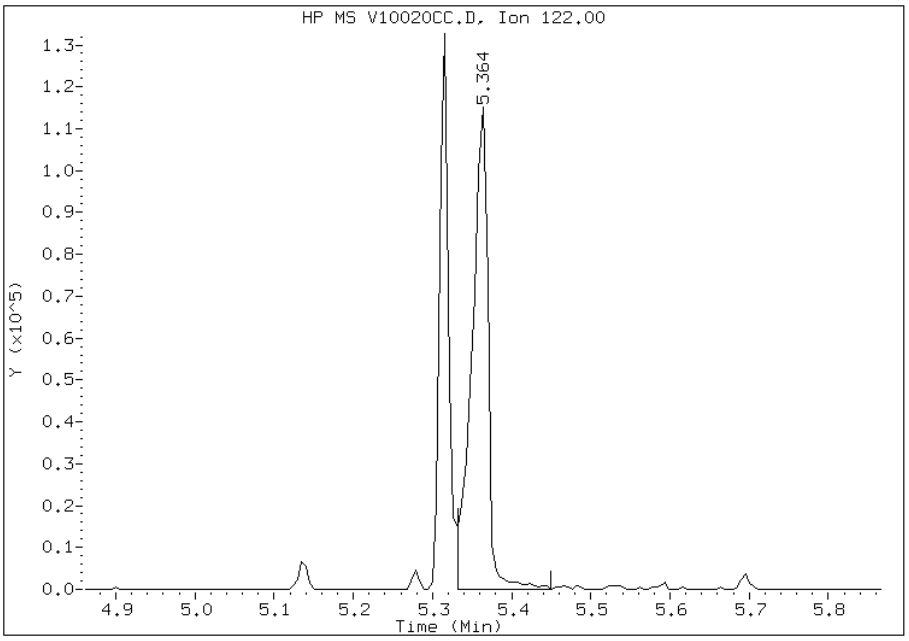
Manual Integration Results

RT: 5.36

Response: 162538

Amount: 9

Conc: 9



Manually Integrated By: piccolinov
Modification Date: 02-Oct-2012 08:30
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V10020CC.D
Inj. Date and Time: 02-OCT-2012 08:07
Instrument ID: 731.i
Client ID:
Compound: 124 Benzidine
CAS #: 92-87-5
Report Date: 10/03/2012

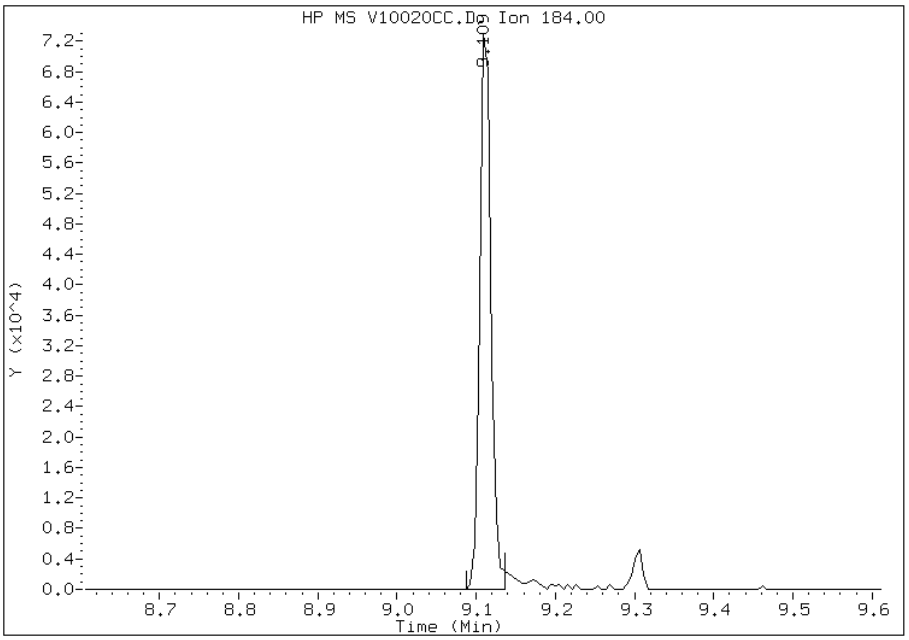
Processing Integration Results

RT: 9.11

Response: 70116

Amount: 3

Conc: 3



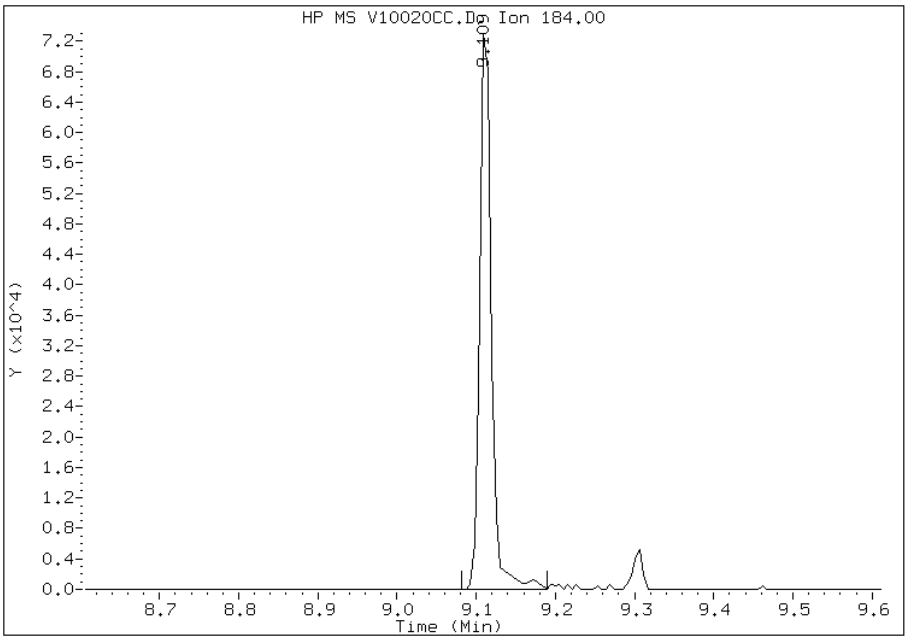
Manual Integration Results

RT: 9.11

Response: 73421

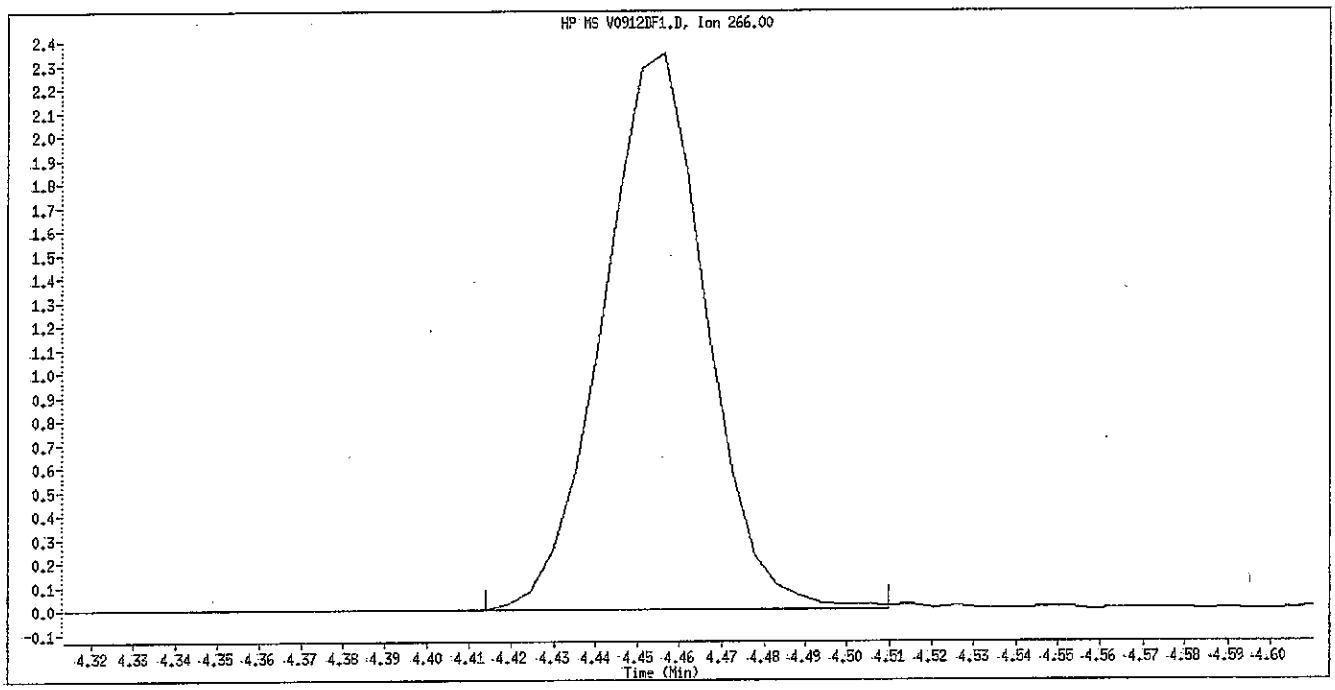
Amount: 3

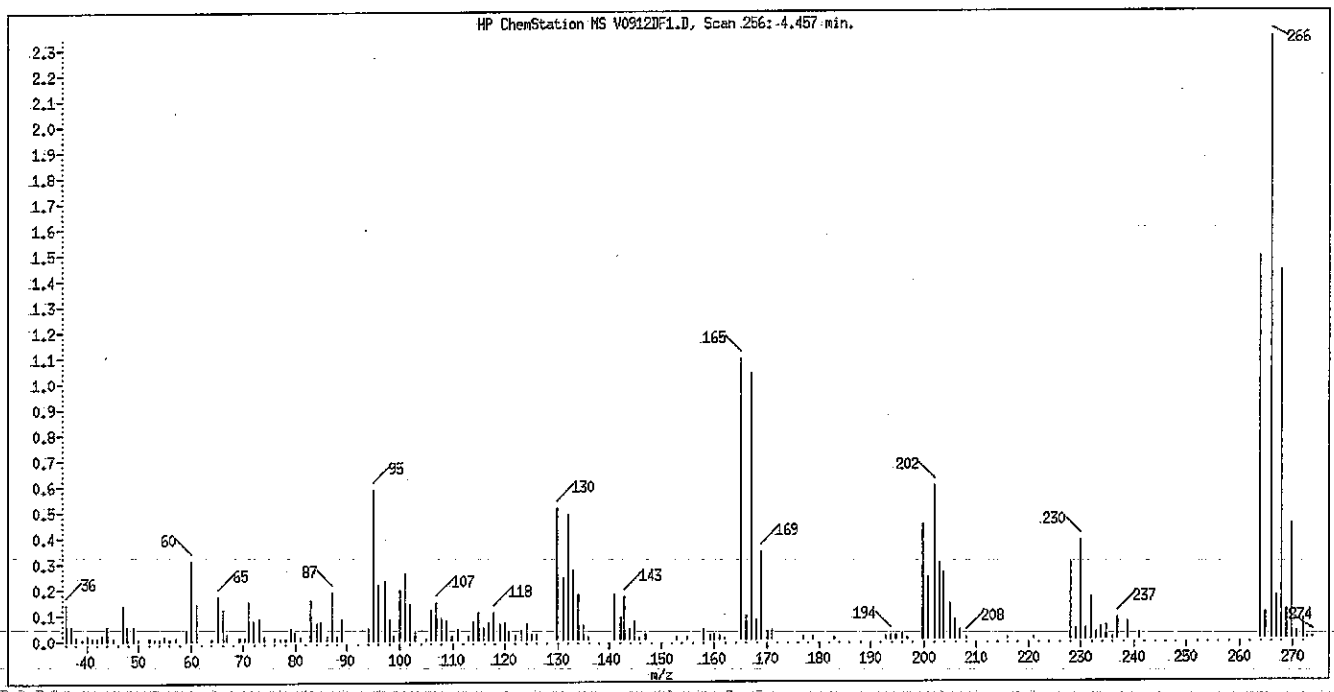
Conc: 3



Manually Integrated By: piccolinov
Modification Date: 02-Oct-2012 08:30
Manual Integration Reason: Poor Chromatography

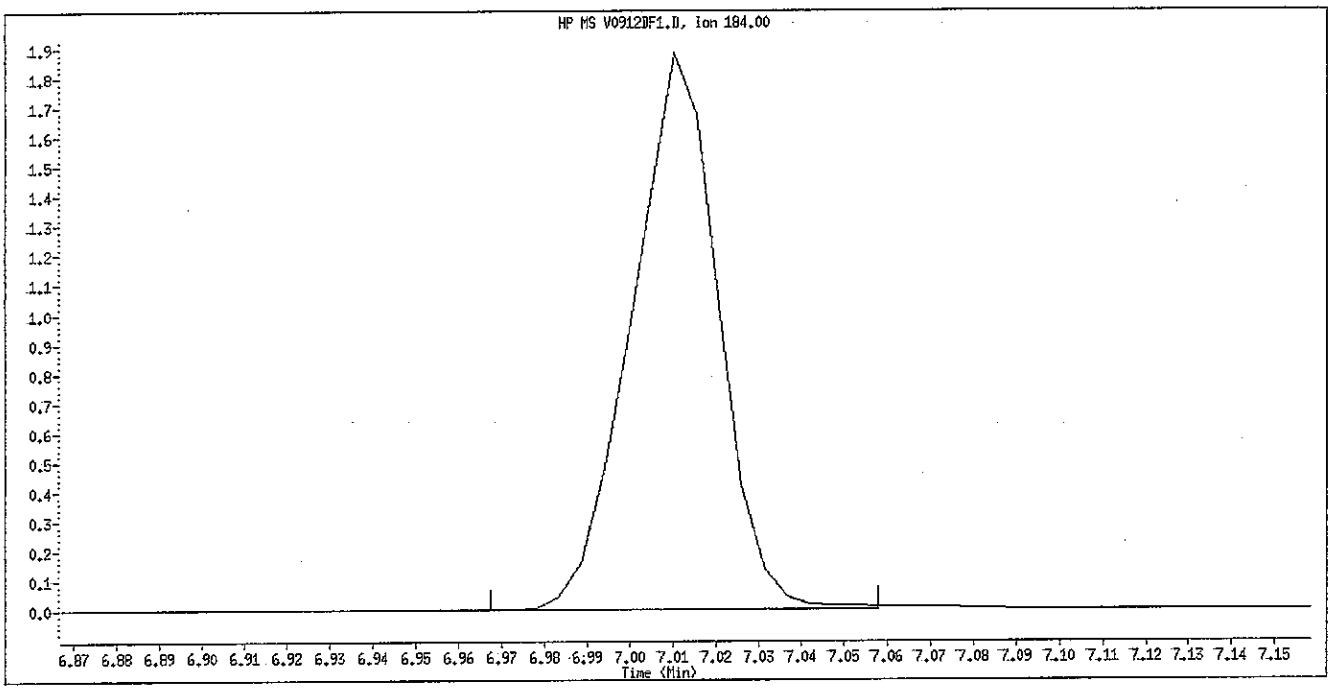
Data File: V0912DF1.D
Inj Date: 12-SEP-2012 10:22
Instrument ID: 731.i
Compound Name: Pentachlorophenol
Operator Name: 003200
Report Date: 09/12/2012 TAILING FACTOR

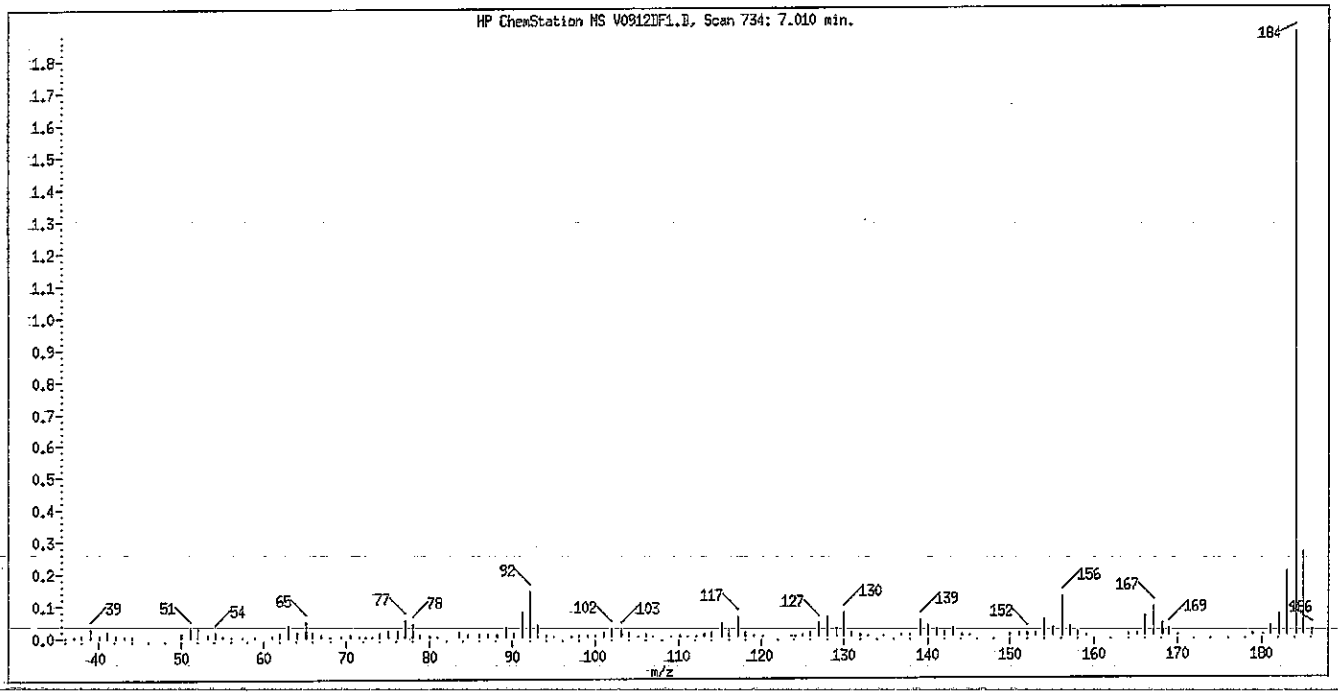




Tailing Factor = 0.783 Good
Acceptance Criteria 0 - 5
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 4.429345 T2 = 4.4565 T3 = 4.477753

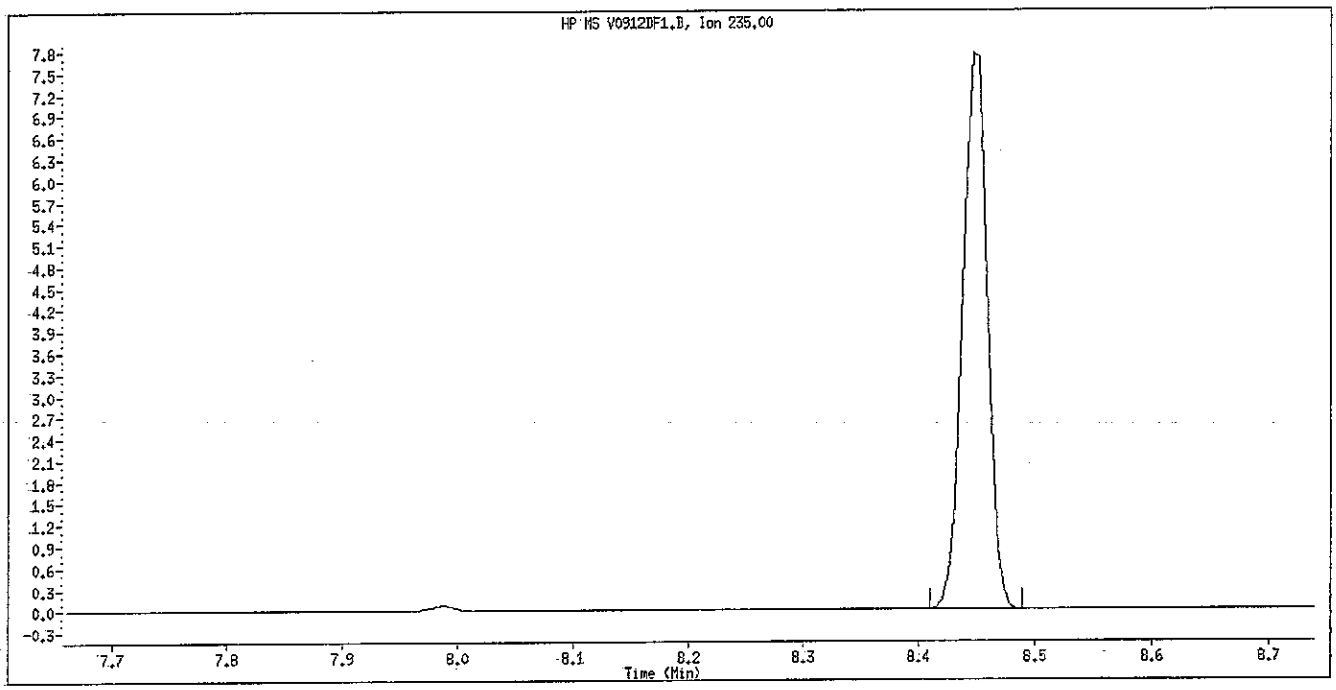
Data File: V0912DF1.D
Inj Date: 12-SEP-2012 10:22
Instrument ID: 731.i
Compound Name: Benzidine
Operator Name: 003200
Report Date: 09/12/2012 TAILING FACTOR





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

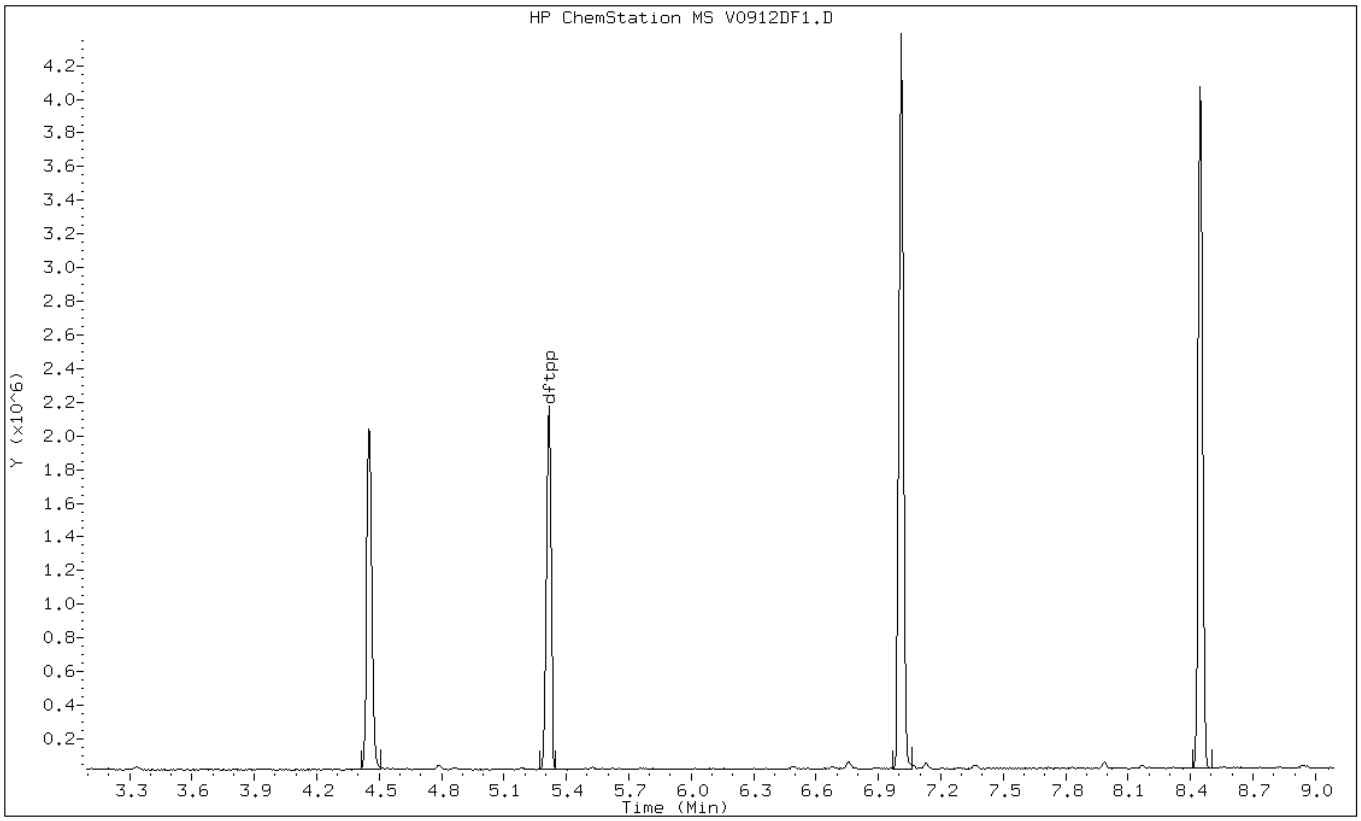
RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ng)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
5.316	4.960	(0.000)	198	243904			0.00- 100.00	100.00
5.316	4.960	(0.000)	51	86784			30.00- 60.00	35.58
5.316	4.960	(0.000)	68	0	0.0	0.0	0.00- 2.00	0.00
5.316	4.960	(0.000)	69	94664			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



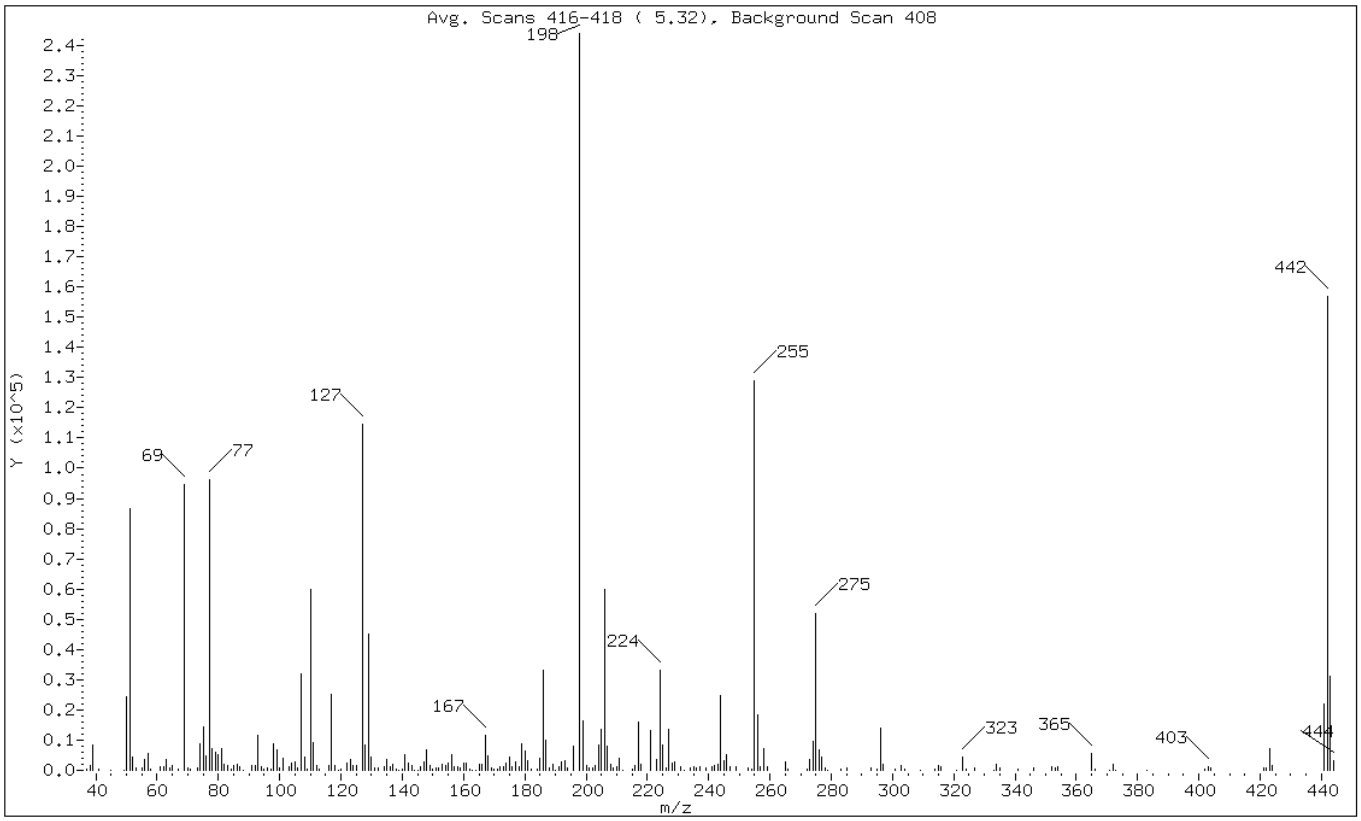
Data File: V0912DF1.D

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		

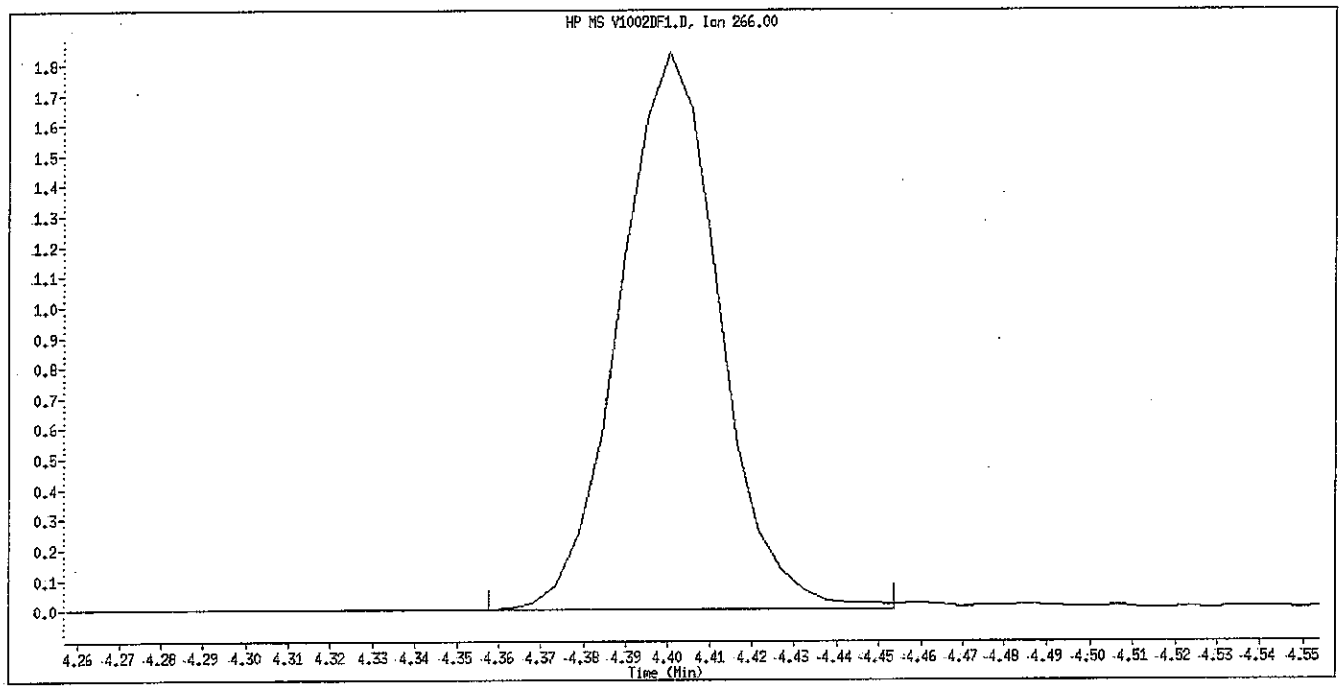
TestAmerica Pittsburgh

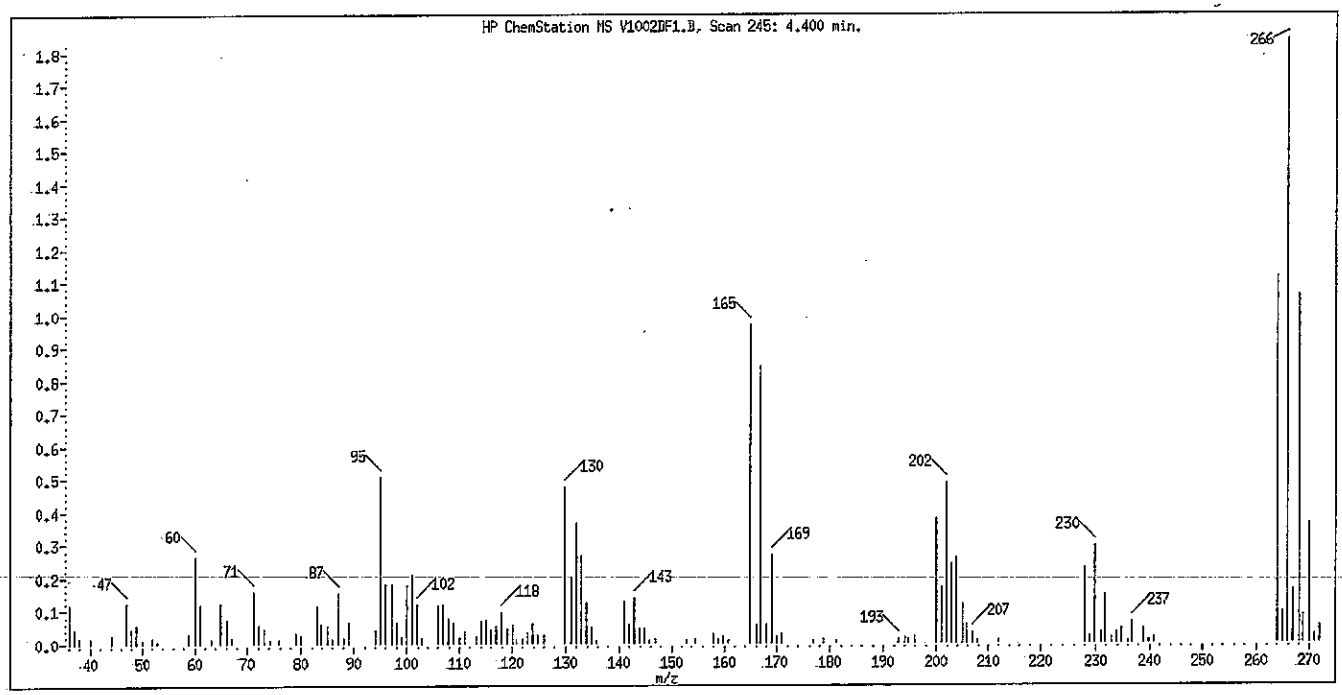
Data file : \\PITSVR06\D\chem\731.i\TV100212.b\V1002DF1.D
Lab Smp Id: DFTPP 514390 Client Smp ID: DFTPP050
Inj Date : 02-OCT-2012 07:51
Operator : 003200 Inst ID: 731.i
Smp Info : DFTPP 514390
Misc Info : TV100212.b,Tsw846tun.m
Comment :
Method : \\PITSVR06\D\chem\731.i\TV100212.b\Tsw846tun.m
Meth Date : 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)	FINAL (ng)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
5.276	4.960	(0.000)	198	210304			0.00- 100.00	100.00
5.276	4.960	(0.000)	51	81048			30.00- 60.00	38.54
5.276	4.960	(0.000)	68	0	0.0	0.0	0.00- 2.00	0.00
5.276	4.960	(0.000)	69	84528			0.00- 0.00	40.19
5.276	4.960	(0.000)	70	215			0.00- 2.00	0.25
5.276	4.960	(0.000)	127	103440			40.00- 60.00	49.19
5.276	4.960	(0.000)	197	0	0.0	0.0	0.00- 1.00	0.00
5.276	4.960	(0.000)	199	14853			5.00- 9.00	7.06
5.276	4.960	(0.000)	275	45608			10.00- 30.00	21.69
5.276	4.960	(0.000)	365	5116			1.00- 0.00	2.43
5.276	4.960	(0.000)	441	19136			0.01- 99.99	76.18
5.276	4.960	(0.000)	442	132672			40.00- 99.00	63.09
5.276	4.960	(0.000)	443	25120			17.00- 23.00	18.93

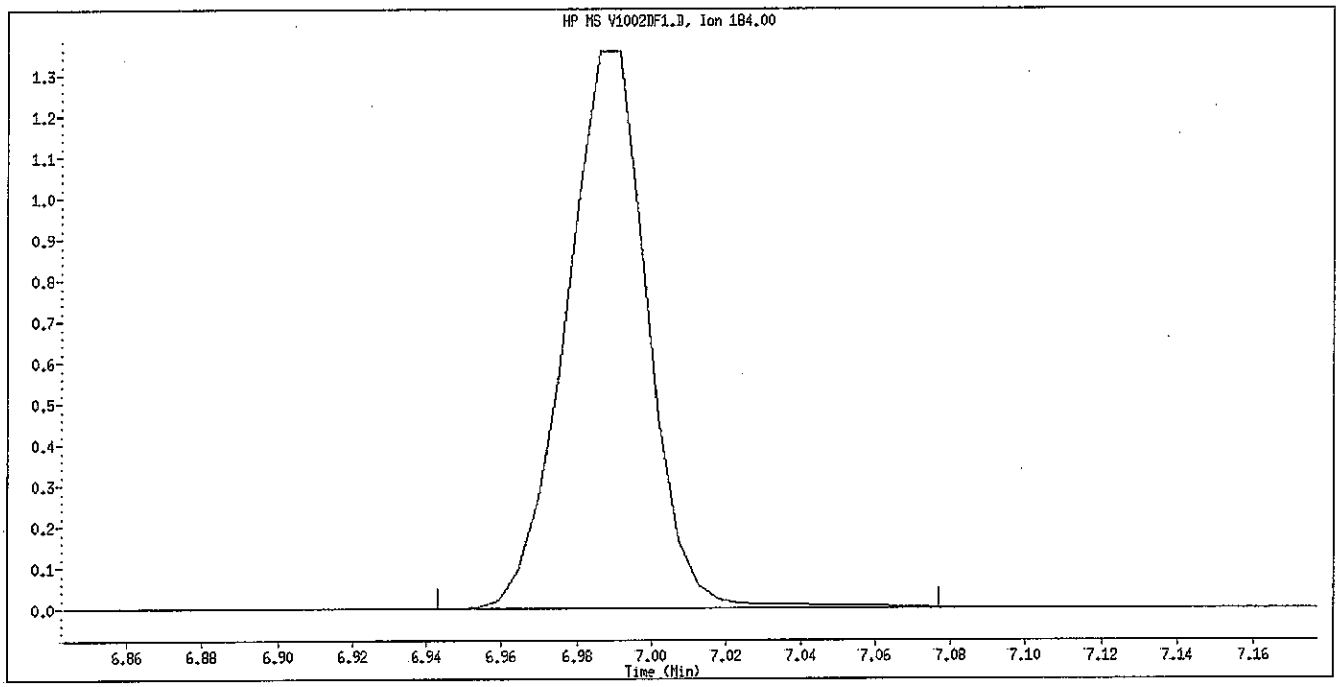
Data File: V1002DF1.D
Inj Date: 02-OCT-2012 07:51
Instrument ID: 731.i
Compound Name: Pentachlorophenol
Operator Name: 003200
Report Date: 10/02/2012 TAILING FACTOR

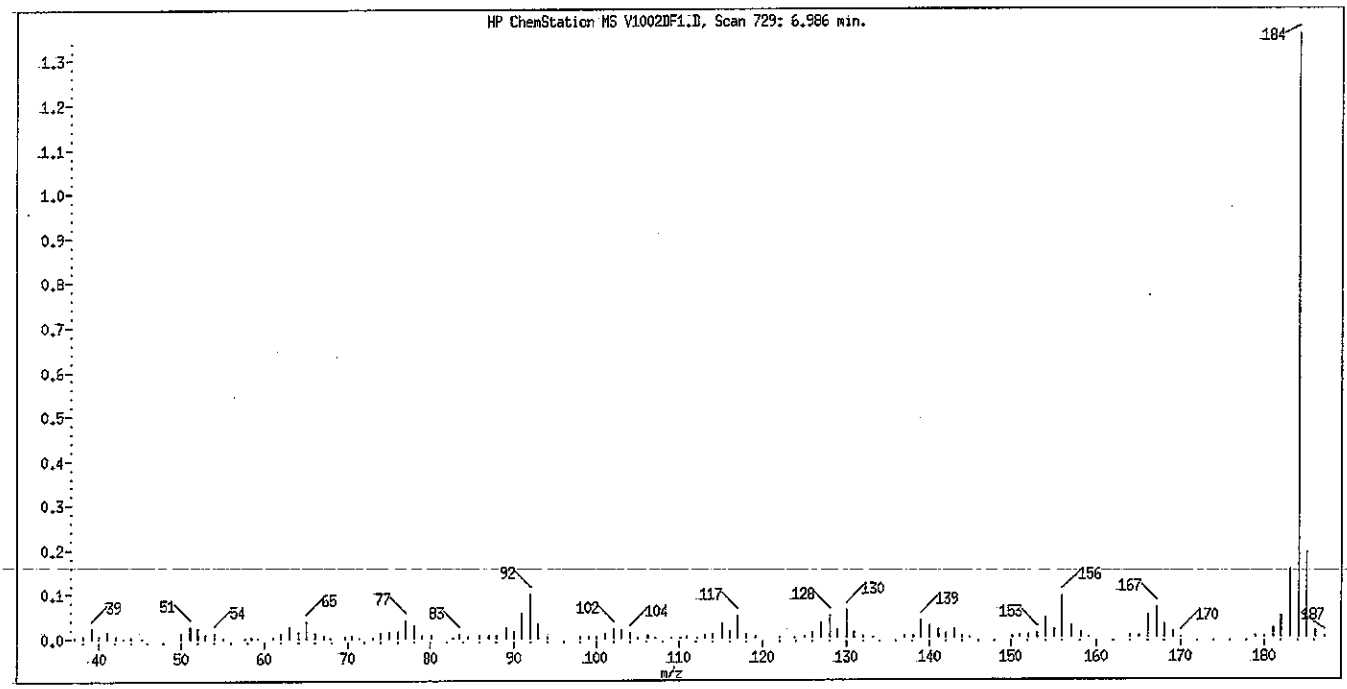




Tailing Factor = 1.04 Good
Acceptance Criteria 0 - 5
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 4.376657 T2 = 4.40025 T3 = 4.424722

Data File: V1002DF1.D
Inj Date: 02-OCT-2012 07:51
Instrument ID: 731.i
Compound Name: Benzidine
Operator Name: 003200
Report Date: 10/02/2012 TAILING FACTOR

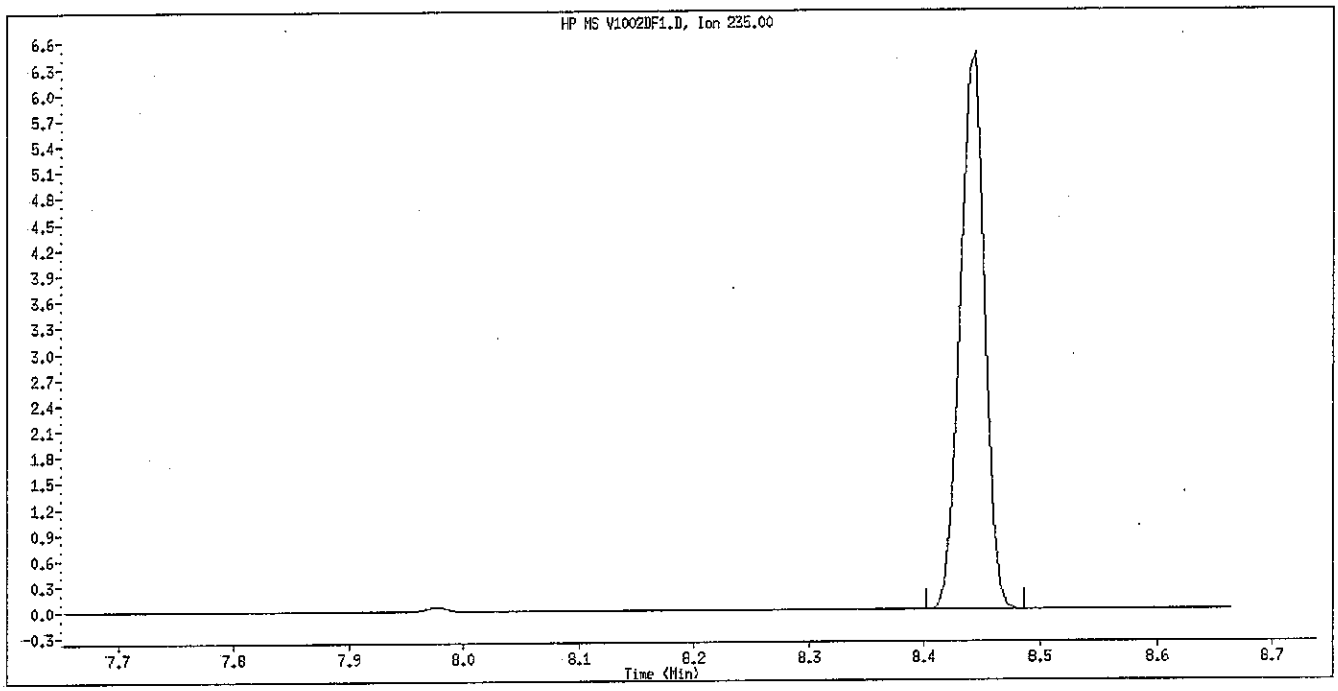




Tailing Factor = 1.14 Good
Acceptance Criteria 0 - 3
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 6.965811 T2 = 6.985833 T3 = 7.00869

Data File: V1002DF1.D
Inj Date: 02-OCT-2012 07:51
Instrument ID: 731.i
Compound Name: 4,4'-DDT
Operator Name: 003200
Report Date: 10/02/2012

DEGRADATION REPORT



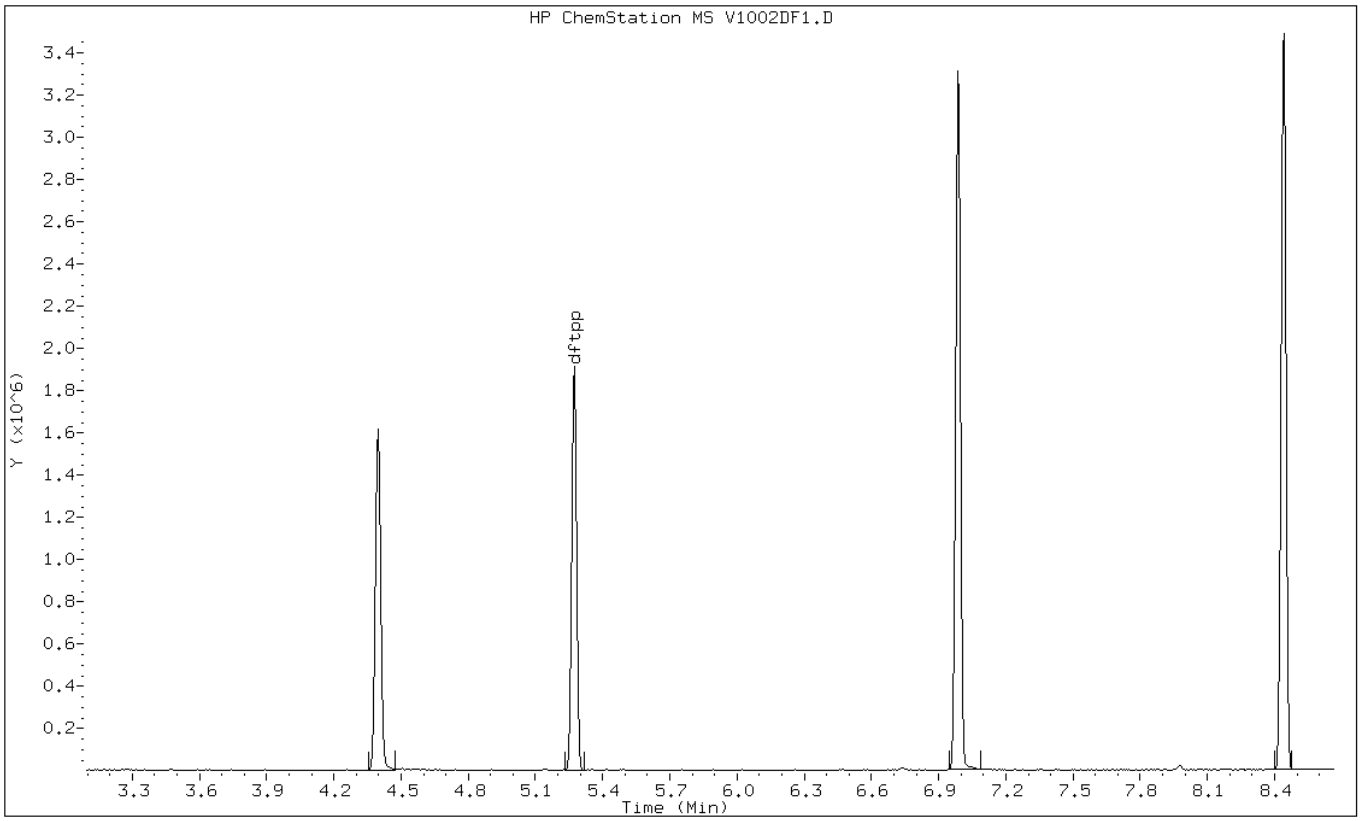
Degradation = 0.0791% Good
Acceptance Criteria 0 - 20 %
DDT Area = 969623
DDE Area = 768
DDD Area = 0

Data File: V1002DF1.D

Date: 02-OCT-2012 07:51

Client ID: DFTPP050 Instrument: 731.i

Sample Info: DFTPP 514390 Operator: 003200



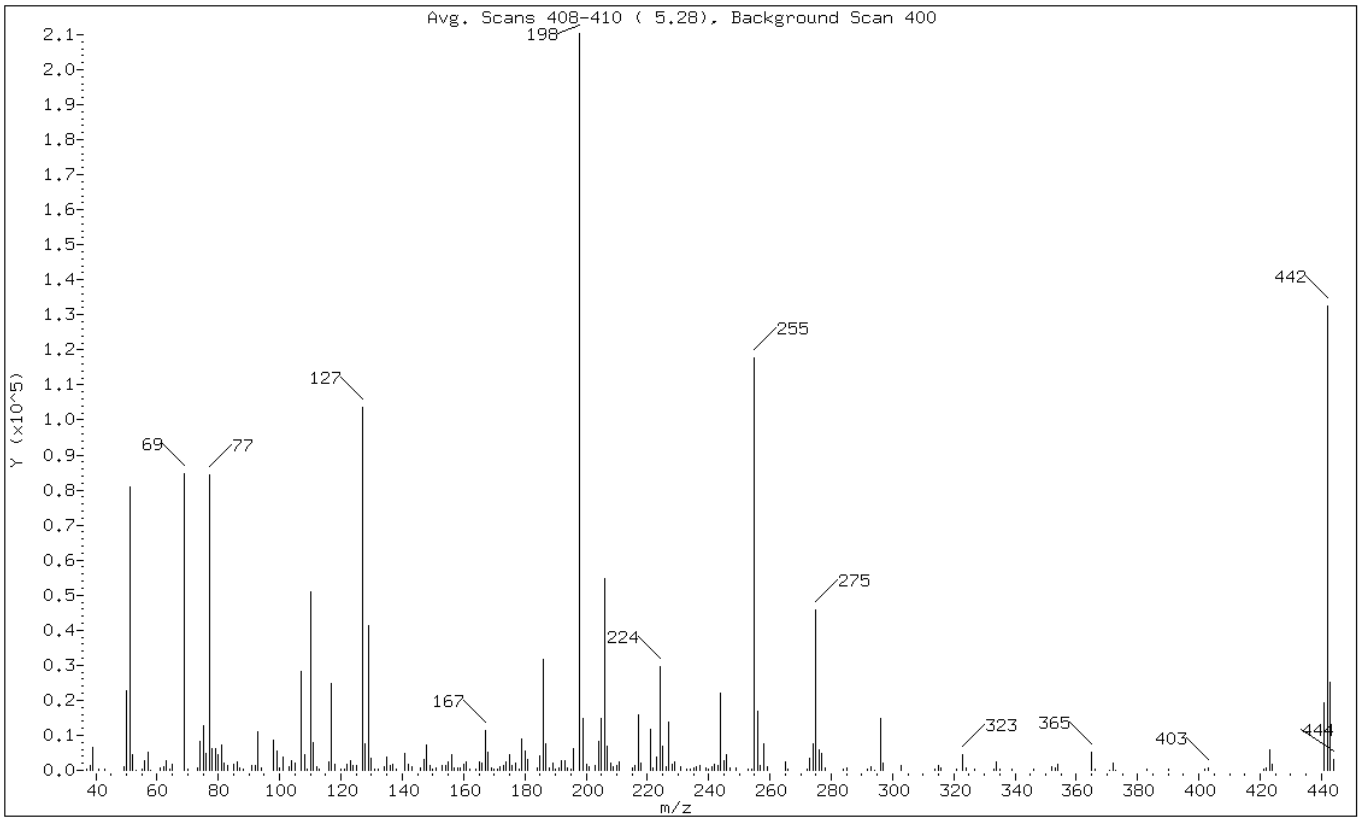
Data File: V1002DF1.D

Date: 02-OCT-2012 07:51

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	38.54
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	40.19
70	Less than 2.00% of mass 69	0.10 (0.25)
127	40.00 - 60.00% of mass 198	49.19
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.06
275	10.00 - 30.00% of mass 198	21.69
365	Greater than 1.00% of mass 198	2.43
441	Present, but less than mass 443	9.10
442	40.00 - 99.00% of mass 198	63.09
443	17.00 - 23.00% of mass 442	11.94 (18.93)

Data File: V1002DF1.D

Date: 02-OCT-2012 07:51

Client ID: DFTPP050 Instrument: 731.i

Sample Info: DFTPP 514390 Operator: 003200

Data File: \\PITSVR06\D\chem\731.i\TV100212.b\V1002DF1.D
Spectrum: Avg. Scans 408-410 (5.28), Background Scan 400
Location of Maximum: 198.00
Number of points: 222

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	199	118.00	1610	185.00	3991	255.00	117648
38.00	1370	120.00	494	186.00	31656	256.00	17008
39.00	6543	121.00	202	187.00	7514	257.00	1365
41.00	391	122.00	1741	188.00	821	258.00	7545
43.00	181	123.00	2840	189.00	2030	259.00	904
49.00	914	124.00	1494	190.00	399	265.00	2463
50.00	22800	125.00	1388	191.00	823	266.00	443
51.00	81048	127.00	103440	192.00	2779	272.00	218
52.00	4346	128.00	7603	193.00	2634	273.00	3297
53.00	172	129.00	41320	194.00	754	274.00	7737
55.00	407	130.00	3529	195.00	196	275.00	45608
56.00	2626	131.00	442	196.00	6110	276.00	5832
57.00	5124	132.00	506	198.00	210304	277.00	4852
58.00	169	134.00	1189	199.00	14853	278.00	656
61.00	814	135.00	3666	200.00	1577	284.00	444
62.00	1118	136.00	1235	201.00	1096	285.00	743
63.00	2753	137.00	1840	203.00	1548	292.00	184
64.00	391	138.00	219	204.00	8110	293.00	1013
65.00	1630	141.00	4971	205.00	14800	294.00	169
69.00	84528	142.00	1740	206.00	54896	296.00	14684
70.00	215	143.00	1159	207.00	6872	297.00	2018
73.00	703	146.00	700	208.00	1986	303.00	1253
74.00	8424	147.00	2964	209.00	911	314.00	188
75.00	12628	148.00	7238	210.00	1371	315.00	1246
76.00	4653	149.00	1291	211.00	2287	316.00	822
77.00	84264	150.00	364	215.00	719	321.00	205
78.00	6039	151.00	786	216.00	1278	323.00	4587
79.00	6271	153.00	1525	217.00	15938	324.00	743
80.00	4576	154.00	1225	218.00	1911	327.00	261
81.00	7128	155.00	2525	221.00	11626	333.00	242
82.00	1938	156.00	4466	222.00	793	334.00	2519
83.00	1463	157.00	537	223.00	3625	335.00	461
85.00	1778	158.00	738	224.00	29456	339.00	179
86.00	2280	159.00	742	225.00	6730	346.00	267
87.00	793	160.00	1759	226.00	909	352.00	1113
88.00	218	161.00	2466	227.00	13702	353.00	639
91.00	1500	162.00	267	228.00	1691	354.00	1627
92.00	1476	164.00	195	229.00	2444	365.00	5116
93.00	10986	165.00	2297	231.00	1077	366.00	487
94.00	692	166.00	1914	233.00	473	371.00	169

98.00	8458	167.00	11190	234.00	344	372.00	2099
99.00	5580	168.00	5181	235.00	585	373.00	169
100.00	762	169.00	764	236.00	968	383.00	239
101.00	3675	170.00	387	237.00	1230	390.00	184
103.00	1055	171.00	290	239.00	644	402.00	205
104.00	2760	172.00	989	240.00	219	403.00	530
105.00	2034	173.00	1291	241.00	937	421.00	467
107.00	28112	174.00	2495	242.00	1760	422.00	567
108.00	4346	175.00	4421	243.00	1426	423.00	6013
109.00	319	176.00	1403	244.00	22088	424.00	1597
110.00	51088	177.00	2135	245.00	2813	441.00	19136
111.00	8053	178.00	475	246.00	4306	442.00	132672
112.00	984	179.00	8811	247.00	647	443.00	25120
113.00	437	180.00	5575	249.00	581	444.00	2951
116.00	2266	181.00	3005	253.00	235		
117.00	24912	184.00	787	254.00	207		

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14654-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 180-50052/1-A

Matrix: Water | Lab File ID: V1002009.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3520C | Date Extracted: 09/27/2012 15:47

Sample wt/vol: 1000(mL) | Date Analyzed: 10/02/2012 10:25

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.: 50568 | 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.: 180-14654-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 180-50052/1-A

Matrix: Water | Lab File ID: V1002009.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3520C | Date Extracted: 09/27/2012 15:47

Sample wt/vol: 1000(mL) | Date Analyzed: 10/02/2012 10:25

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.: 50568 | 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.: 180-14654-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 180-50052/1-A
Matrix: Water
Lab File ID: V1002009.D
Analysis Method: 8270C LL
Date Collected:
Extract. Method: 3520C
Date Extracted: 09/27/2012 15:47
Sample wt/vol: 1000(mL)
Date Analyzed: 10/02/2012 10:25
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.: 50568
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	74		16-122
321-60-8	2-Fluorobiphenyl	71		19-107
367-12-4	2-Fluorophenol	74		10-111
4165-60-0	Nitrobenzene-d5	74		23-112
4165-62-2	Phenol-d5	77		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\TV100212.b\V1002009.D
Lab Smp Id: MB 180-50052/1-A
Inj Date : 02-OCT-2012 10:25
Operator : 003200 Inst ID: 731.i
Smp Info : MB 180-50052/1-A
Misc Info : TV100212.b,T8270ll.m,padepi.sub
Comment :
Method : \\PITSVR06\D\chem\731.i\TV100212.b\T8270ll.m
Meth Date : 02-Oct-2012 08:29 piccolinov Quant Type: ISTD
Cal Date : 12-SEP-2012 13:48 Cal File: V0912IC8.D
Als bottle: 11
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	4.582	4.594	(1.000)	170552	8.00000	
* 2 Naphthalene-d8	136	5.554	5.572	(1.000)	650181	8.00000	
* 3 Acenaphthene-d10	164	6.906	6.929	(1.000)	382605	8.00000	
* 4 Phenanthrene-d10	188	8.054	8.083	(1.000)	637632	8.00000	
* 5 Chrysene-d12	240	10.164	10.139	(1.000)	491253	8.00000	
* 6 Perylene-d12	264	11.623	11.582	(1.000)	450982	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.					

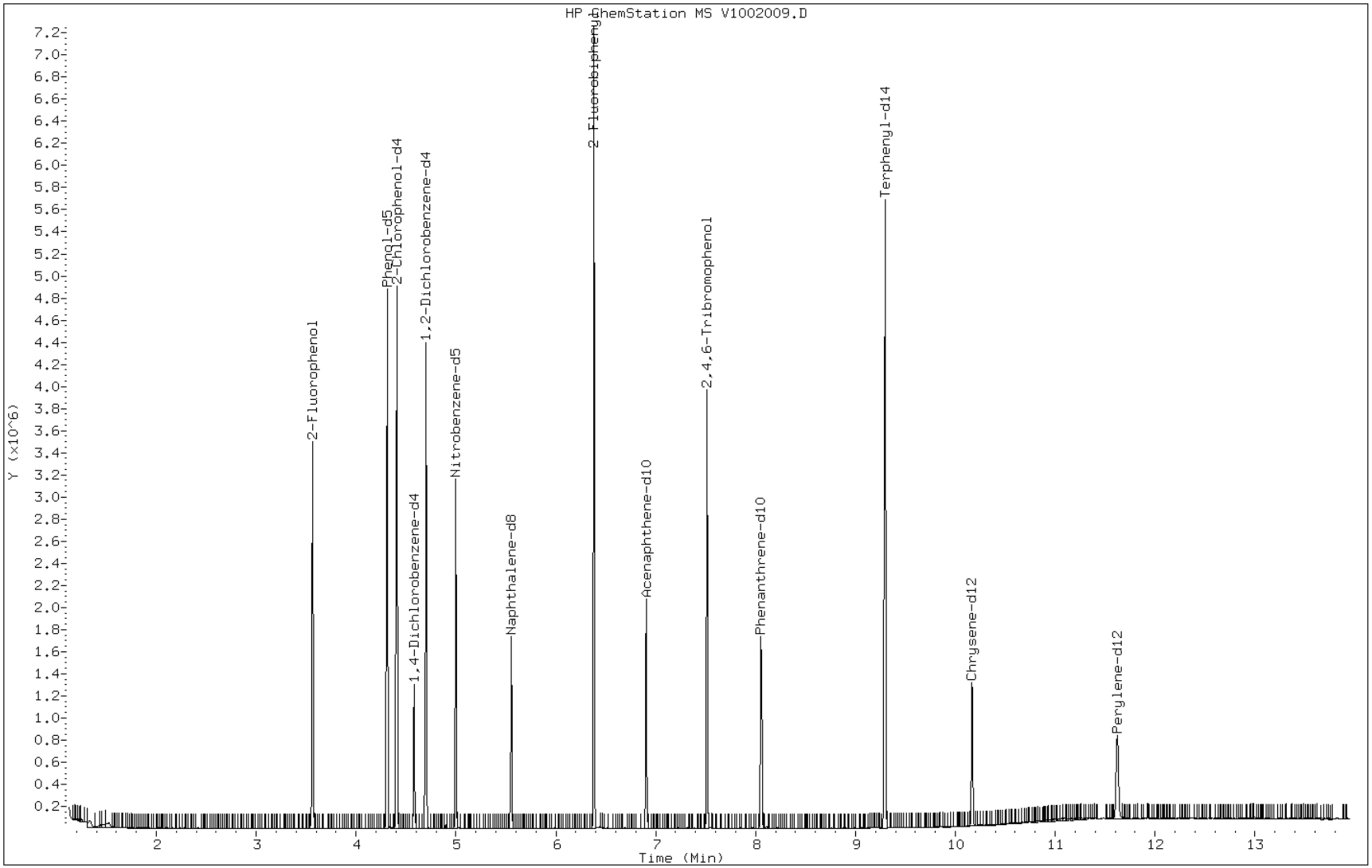
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
136 Benzo(a)Anthracene	228	Compound Not Detected.					
137 Chrysene	228	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	Compound Not Detected.					
140 Di-n-octylphthalate	149	Compound Not Detected.					
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	4.998	5.016	(0.900)	737773	29.6431	29.643
$ 155 2-Fluorobiphenyl	172	6.382	6.405	(0.924)	1791604	28.3177	28.318
$ 156 Terphenyl-d14	244	9.294	9.306	(0.914)	1713877	36.3880	36.388
$ 157 Phenol-d5	99	4.309	4.322	(0.941)	1295508	46.3287	46.329
$ 158 2-Fluorophenol	112	3.561	3.563	(0.777)	1016096	44.6233	44.623
$ 159 2,4,6-Tribromophenol	330	7.515	7.543	(0.933)	326978	44.1551	44.155
$ 186 2-Chlorophenol-d4	132	4.406	4.418	(0.962)	1235001	42.7060	42.706
$ 187 1,2-Dichlorobenzene-d4	152	4.699	4.712	(1.026)	582368	28.1873	28.187

Data File: V1002009.D

Date: 02-OCT-2012 10:25

Client ID: Instrument: 731.i

Sample Info: MB 180-50052/1-A Operator: 003200



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14654-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 180-50052/2-A

Matrix: Water | Lab File ID: V1002010.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3520C | Date Extracted: 09/27/2012 15:47

Sample wt/vol: 1000(mL) | Date Analyzed: 10/02/2012 11:59

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.: 50568 | 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	15.7		0.20	0.015
98-86-2	Acetophenone	14.8		1.0	0.080
120-12-7	Anthracene	13.8		0.20	0.15
1912-24-9	Atrazine	23.5		1.0	0.089
100-52-7	Benzaldehyde	9.91		1.0	0.15
56-55-3	Benzo[a]anthracene	15.5		0.20	0.015
205-99-2	Benzo[b]fluoranthene	15.9		0.20	0.016
207-08-9	Benzo[k]fluoranthene	13.6		0.20	0.055
191-24-2	Benzo[g,h,i]perylene	15.0		0.20	0.015
50-32-8	Benzo[a]pyrene	15.9		0.20	0.013
111-91-1	Bis(2-chloroethoxy)methane	14.8		1.0	0.058
111-44-4	Bis(2-chloroethyl)ether	13.8		0.20	0.025
117-81-7	Bis(2-ethylhexyl) phthalate	15.7		2.0	1.3
85-68-7	Butyl benzyl phthalate	16.0		1.0	0.14
92-52-4	1,1'-Biphenyl	13.9		1.0	0.042
105-60-2	Caprolactam	15.2		5.0	1.2
86-74-8	Carbazole	13.0		0.20	0.016
218-01-9	Chrysene	15.9		0.20	0.014
91-58-7	2-Chloronaphthalene	13.8		0.20	0.015
95-57-8	2-Chlorophenol	14.3		1.0	0.17
120-83-2	2,4-Dichlorophenol	14.9		0.20	0.033
105-67-9	2,4-Dimethylphenol	14.7		1.0	0.085
51-28-5	2,4-Dinitrophenol	13.7		5.0	0.61
121-14-2	2,4-Dinitrotoluene	14.0		1.0	0.054
606-20-2	2,6-Dinitrotoluene	14.5		1.0	0.080
91-57-6	2-Methylnaphthalene	14.4		0.20	0.012
95-48-7	2-Methylphenol	13.7		1.0	0.086
88-74-4	2-Nitroaniline	14.0		5.0	0.35
88-75-5	2-Nitrophenol	15.1		1.0	0.17
108-60-1	2,2'-oxybis[1-chloropropane]	13.3		0.20	0.020
95-95-4	2,4,5-Trichlorophenol	13.4		1.0	0.15
88-06-2	2,4,6-Trichlorophenol	14.7		1.0	0.17
100-01-6	4-Nitroaniline	13.9		5.0	0.17

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-14654-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 180-50052/2-A
Matrix: Water
Lab File ID: V1002010.D
Analysis Method: 8270C LL
Date Collected:
Extract. Method: 3520C
Date Extracted: 09/27/2012 15:47
Sample wt/vol: 1000(mL)
Date Analyzed: 10/02/2012 11:59
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.: 50568
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	13.7		5.0	0.65
7005-72-3	4-Chlorophenyl phenyl ether	14.8		1.0	0.050
106-44-5	Methylphenol, 3 & 4	29.9		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	14.2		1.0	0.075
101-55-3	4-Bromophenyl phenyl ether	14.5		1.0	0.064
53-70-3	Dibenz(a,h)anthracene	12.9		0.20	0.016
132-64-9	Dibenzofuran	14.0		1.0	0.062
84-74-2	Di-n-butyl phthalate	13.5		1.0	0.12
84-66-2	Diethyl phthalate	14.1		1.0	0.15
131-11-3	Dimethyl phthalate	13.8		1.0	0.077
117-84-0	Di-n-octyl phthalate	15.7		1.0	0.21
91-94-1	3,3'-Dichlorobenzidine	15.9		1.0	0.11
99-09-2	3-Nitroaniline	14.0		5.0	0.32
206-44-0	Fluoranthene	13.5		0.20	0.016
86-73-7	Fluorene	14.6		0.20	0.022
118-74-1	Hexachlorobenzene	15.4		0.20	0.018
87-68-3	Hexachlorobutadiene	14.4		0.20	0.017
77-47-4	Hexachlorocyclopentadiene	16.6		1.0	0.052
67-72-1	Hexachloroethane	13.2		1.0	0.063
193-39-5	Indeno[1,2,3-cd]pyrene	13.9		0.20	0.020
78-59-1	Isophorone	15.2		1.0	0.064
91-20-3	Naphthalene	14.3		0.20	0.014
98-95-3	Nitrobenzene	14.1		2.0	0.084
86-30-6	N-Nitrosodiphenylamine	14.5		1.0	0.085
621-64-7	N-Nitrosodi-n-propylamine	14.3		0.20	0.031
129-00-0	Pyrene	16.9		0.20	0.016
108-95-2	Phenol	13.7		0.20	0.058
85-01-8	Phenanthrene	14.6		0.20	0.043
87-86-5	Pentachlorophenol	12.6		1.0	0.066
123-91-1	1,4-Dioxane	13.9		2.0	0.14

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-14654-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 180-50052/2-A
Matrix: Water
Lab File ID: V1002010.D
Analysis Method: 8270C LL
Date Collected:
Extract. Method: 3520C
Date Extracted: 09/27/2012 15:47
Sample wt/vol: 1000(mL)
Date Analyzed: 10/02/2012 11:59
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.: 50568
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	80		16-122
321-60-8	2-Fluorobiphenyl	70		19-107
367-12-4	2-Fluorophenol	71		10-111
4165-60-0	Nitrobenzene-d5	71		23-112
4165-62-2	Phenol-d5	74		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\TV100212.b\V1002010.D
Lab Smp Id: LCS 180-50052/2-A
Inj Date : 02-OCT-2012 11:59
Operator : 003200 Inst ID: 731.i
Smp Info : LCS 180-50052/2-A
Misc Info : TV100212.b,T8270ll.m,padepi.sub
Comment :
Method : \\PITSVR06\D\chem\731.i\TV100212.b\T8270ll.m
Meth Date : 02-Oct-2012 08:29 piccolinov Quant Type: ISTD
Cal Date : 12-SEP-2012 13:48 Cal File: V0912IC8.D
Als bottle: 12
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	4.583	4.594	(1.000)	171988	8.00000	
* 2 Naphthalene-d8	136	5.555	5.572	(1.000)	655204	8.00000	
* 3 Acenaphthene-d10	164	6.907	6.929	(1.000)	384328	8.00000	
* 4 Phenanthrene-d10	188	8.061	8.083	(1.000)	637343	8.00000	
* 5 Chrysene-d12	240	10.171	10.139	(1.000)	484585	8.00000	
* 6 Perylene-d12	264	11.624	11.582	(1.000)	485180	8.00000	
198 1,4-Dioxane	88	1.458	1.437	(0.318)	187603	27.8187	27.819(M)
10 N-Nitrosodimethylamine	74	1.949	1.929	(0.425)	277796	28.7968	28.797
9 Pyridine	79	1.981	1.977	(0.432)	530060	30.3180	30.318
16 Methyl methanesulfonate	80	3.402	3.398	(0.742)	26134	2.44952	2.4495
206 Benzaldehyde	77	4.241	4.247	(0.925)	264368	19.8281	19.828
21 Aniline	93	4.332	4.338	(0.945)	925578	28.4604	28.460
22 Phenol	94	4.326	4.327	(0.944)	914475	27.4691	27.469
23 bis(2-Chloroethyl)ether	93	4.385	4.391	(0.957)	624462	27.5243	27.524
24 2-Chlorophenol	128	4.423	4.429	(0.965)	831595	28.6998	28.700
26 1,3-Dichlorobenzene	146	4.540	4.552	(0.991)	947439	27.3668	27.367
27 1,4-Dichlorobenzene	146	4.599	4.610	(1.003)	951255	26.8271	26.827
28 1,2-Dichlorobenzene	146	4.716	4.722	(1.029)	922712	26.9712	26.971
217 Indene	116	4.781	4.792	(1.043)	1258546	27.5227	27.523
29 Benzyl Alcohol	108	4.690	4.701	(1.023)	407357	23.6890	23.689
30 2-Methylphenol	108	4.786	4.792	(1.044)	678273	27.4062	27.406
31 2,2'-oxybis(1-Chloropropane)	45	4.797	4.808	(1.047)	870065	26.6809	26.681
37 Acetophenone	105	4.887	4.899	(1.066)	1011504	29.6192	29.619
32 N-Nitroso-di-n-propylamine	70	4.893	4.904	(1.068)	460322	28.6590	28.659
192 4-Methylphenol	108	4.898	4.904	(1.069)	1433746	59.8538	59.854
34 Hexachloroethane	117	4.973	4.990	(1.085)	372632	26.4692	26.469
35 Nitrobenzene	77	5.016	5.027	(0.903)	717078	28.1819	28.182
36 N-Nitrosopyrrolidine	100	4.866	4.872	(1.062)	310582	31.0212	31.021

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
41 Isophorone	82	5.203	5.214	(0.937)	1267954	30.3727	30.373
42 2-Nitrophenol	139	5.261	5.278	(0.947)	473532	30.2254	30.225
43 2,4-Dimethylphenol	107	5.299	5.315	(0.954)	745922	29.4894	29.489
44 bis(2-Chloroethoxy)methane	93	5.368	5.385	(0.966)	797869	29.5050	29.505
48 2,4-Dichlorophenol	162	5.448	5.465	(0.981)	714622	29.7462	29.746
49 Benzoic Acid	122	5.368	5.364	(0.966)	484060	29.5711	29.571(M)
50 1,2,4-Trichlorobenzene	180	5.518	5.534	(0.993)	844871	28.6448	28.645
51 Naphthalene	128	5.577	5.593	(1.004)	2408890	28.6049	28.605
52 4-Chloroaniline	127	5.614	5.631	(1.011)	990429	30.6216	30.622
54 2,6-Dichlorophenol	162	5.625	5.636	(1.013)	646168	28.4450	28.445
56 Hexachlorobutadiene	225	5.678	5.695	(1.022)	484014	28.8113	28.811
208 Caprolactam	113	5.865	5.866	(1.056)	188137	30.4548	30.455
59 4-Chloro-3-Methylphenol	107	5.983	5.999	(1.077)	605329	28.3052	28.305
62 2-Methylnaphthalene	142	6.105	6.122	(1.099)	1650550	28.8912	28.891
63 1-Methylnaphthalene	142	6.180	6.202	(1.113)	1564646	29.1837	29.184
64 Hexachlorocyclopentadiene	237	6.234	6.256	(0.903)	632595	33.2635	33.264
65 1,2,4,5-Tetrachlorobenzene	216	6.239	6.256	(0.903)	834692	28.9985	28.998
66 2,4,6-Trichlorophenol	196	6.319	6.341	(0.915)	572980	29.3294	29.329
67 2,4,5-Trichlorophenol	196	6.346	6.368	(0.919)	561617	26.8477	26.848
209 1,1'-Biphenyl	154	6.463	6.485	(0.936)	1997923	27.8945	27.894
70 2-Chloronaphthalene	162	6.479	6.501	(0.938)	1627384	27.6782	27.678
73 2-Nitroaniline	65	6.549	6.571	(0.948)	383463	27.9717	27.972
76 Dimethylphthalate	163	6.693	6.710	(0.969)	1669206	27.6478	27.648
78 2,6-Dinitrotoluene	165	6.736	6.752	(0.975)	384801	28.9499	28.950
79 Acenaphthylene	152	6.800	6.822	(0.985)	2712787	31.3745	31.374
81 3-Nitroaniline	138	6.864	6.886	(0.994)	423662	28.0846	28.085
82 Acenaphthene	153	6.933	6.955	(1.004)	1619278	28.8227	28.823
83 2,4-Dinitrophenol	184	6.944	6.966	(1.005)	233789	27.3111	27.311
85 4-Nitrophenol	109	6.987	7.004	(1.012)	210558	27.3005	27.300
86 Dibenzofuran	168	7.067	7.089	(1.023)	2284347	27.9792	27.979
87 2,4-Dinitrotoluene	165	7.046	7.068	(1.020)	502722	27.9579	27.958
91 2,3,5,6-Tetrachlorophenol	232	7.126	7.148	(1.032)	475445	29.9559	29.956
88 2,3,4,6-Tetrachlorophenol	232	7.163	7.180	(1.037)	467695	29.6170	29.617
92 2-Naphthylamine	143	7.185	7.207	(1.040)	1036693	63.5361	63.536
93 Diethylphthalate	149	7.233	7.255	(1.047)	1688749	28.1270	28.127
94 Fluorene	166	7.334	7.356	(1.062)	1906193	29.1695	29.169
95 4-Chlorophenyl-phenylether	204	7.329	7.351	(1.061)	939565	29.5624	29.562
96 4-Nitroaniline	138	7.334	7.351	(1.062)	438053	27.7122	27.712
98 4,6-Dinitro-2-methylphenol	198	7.361	7.383	(0.913)	308644	27.4200	27.420
99 N-Nitrosodiphenylamine (1)	169	7.414	7.436	(0.920)	1221619	29.0389	29.039
100 1,2-Diphenylhydrazine	77	7.446	7.468	(0.924)	1562520	27.5893	27.589
106 4-Bromophenyl-phenylether	248	7.708	7.725	(0.956)	510179	28.9689	28.969
107 Hexachlorobenzene	284	7.767	7.789	(0.964)	543283	30.7269	30.727
210 Atrazine	200	7.820	7.837	(0.970)	446951	47.0125	47.012
111 Pentachlorophenol	266	7.911	7.933	(0.981)	324064	25.1629	25.163
115 Phenanthrene	178	8.077	8.099	(1.002)	2718343	29.2547	29.255
116 Anthracene	178	8.119	8.141	(1.007)	2607386	27.6718	27.672
119 Carbazole	167	8.237	8.254	(1.022)	2109420	25.9910	25.991
120 Di-n-Butylphthalate	149	8.488	8.510	(1.053)	2726667	27.0386	27.038
123 Fluoranthene	202	9.006	9.023	(1.117)	2614536	27.0349	27.035
124 Benzidine	184	9.097	9.108	(0.894)	566085	30.2202	30.220
125 Pyrene	202	9.188	9.199	(0.903)	2587880	33.7081	33.708(M)
131 Butylbenzylphthalate	149	9.674	9.664	(0.951)	1063169	31.9986	31.998
135 3,3'-Dichlorobenzidine	252	10.123	10.091	(0.995)	769850	31.8846	31.885

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
136 Benzo(a)Anthracene	228	10.160	10.129	(0.999)	2180145	30.9111	30.911
137 Chrysene	228	10.192	10.161	(1.002)	2088182	31.8145	31.814
139 bis(2-ethylhexyl)Phthalate	149	10.133	10.102	(0.996)	1473379	31.3064	31.306
140 Di-n-octylphthalate	149	10.700	10.652	(0.920)	2508039	31.4578	31.458
141 Benzo(b)fluoranthene	252	11.191	11.144	(0.963)	2508713	31.7005	31.700
142 Benzo(k)fluoranthene	252	11.218	11.176	(0.965)	2140179	27.1217	27.122
143 7,12-dimethylbenz[a]anthracen	256	11.175	11.133	(0.961)	1029516	31.1842	31.184
146 Benzo(a)pyrene	252	11.560	11.518	(0.994)	1888794	31.8342	31.834
149 Indeno(1,2,3-cd)pyrene	276	13.077	13.046	(1.125)	2016753	27.7330	27.733
150 Dibenz(a,h)anthracene	278	13.093	13.062	(1.126)	1605937	25.8859	25.886
151 Benzo(g,h,i)perylene	276	13.520	13.489	(1.163)	1830000	29.9815	29.982
$ 154 Nitrobenzene-d5	82	5.005	5.016	(0.901)	715349	28.5218	28.522
$ 155 2-Fluorobiphenyl	172	6.383	6.405	(0.924)	1786737	28.1141	28.114
$ 156 Terphenyl-d14	244	9.295	9.306	(0.914)	1629110	35.0642	35.064(M)
$ 157 Phenol-d5	99	4.316	4.322	(0.942)	1256388	44.5546	44.554
$ 158 2-Fluorophenol	112	3.568	3.563	(0.779)	974229	42.4274	42.427
$ 159 2,4,6-Tribromophenol	330	7.521	7.543	(0.933)	353476	47.7550	47.755
$ 186 2-Chlorophenol-d4	132	4.412	4.418	(0.963)	1236262	42.3926	42.393
$ 187 1,2-Dichlorobenzene-d4	152	4.706	4.712	(1.027)	594306	28.5250	28.525

QC Flag Legend

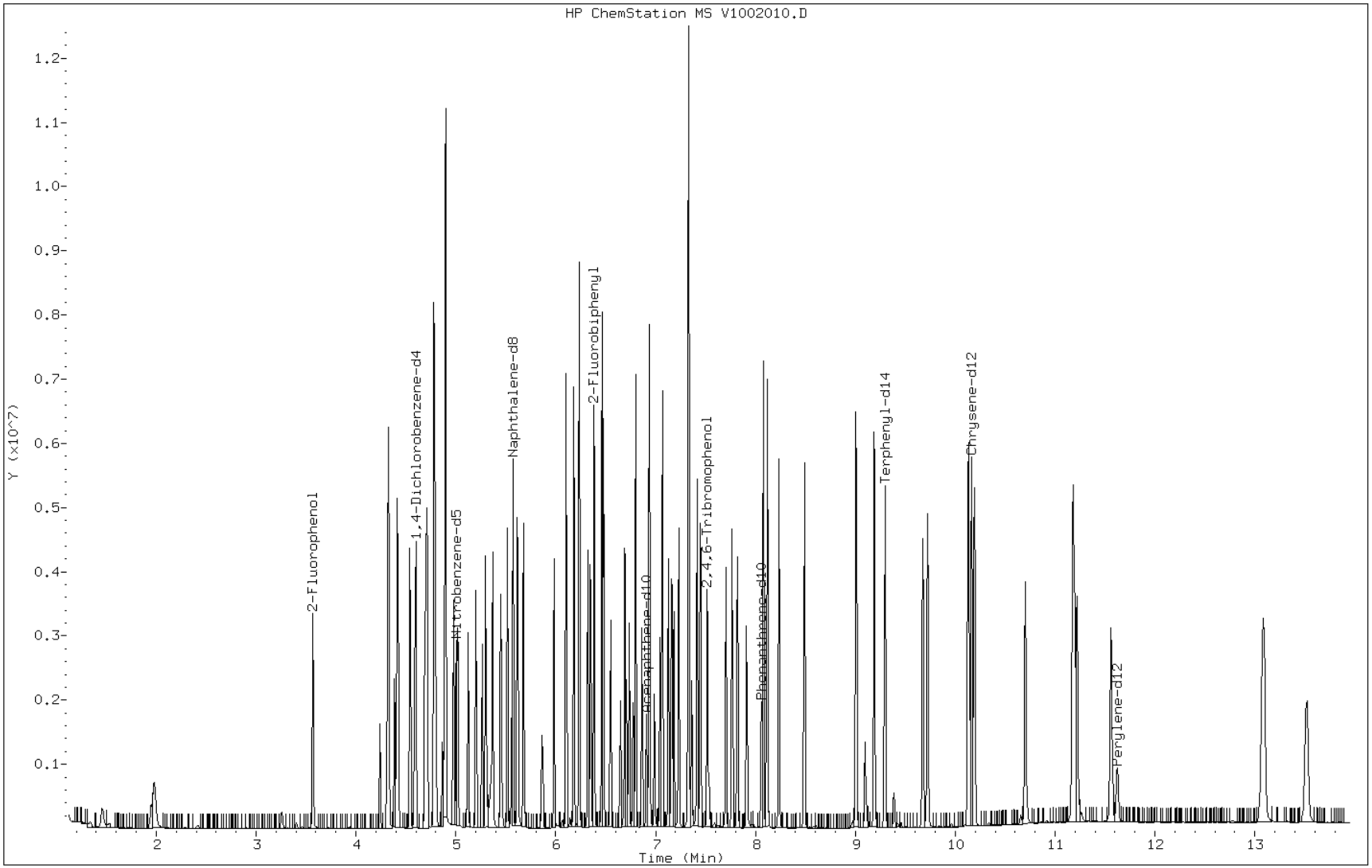
M - Compound response manually integrated.

Data File: V1002010.D

Date: 02-OCT-2012 11:59

Client ID: Instrument: 731.i

Sample Info: LCS 180-50052/2-A Operator: 003200



Manual Integration Report

Data File: V1002010.D
Inj. Date and Time: 02-OCT-2012 11:59
Instrument ID: 731.i
Client ID:
Compound: 125 Pyrene
CAS #: 129-00-0
Report Date: 10/03/2012

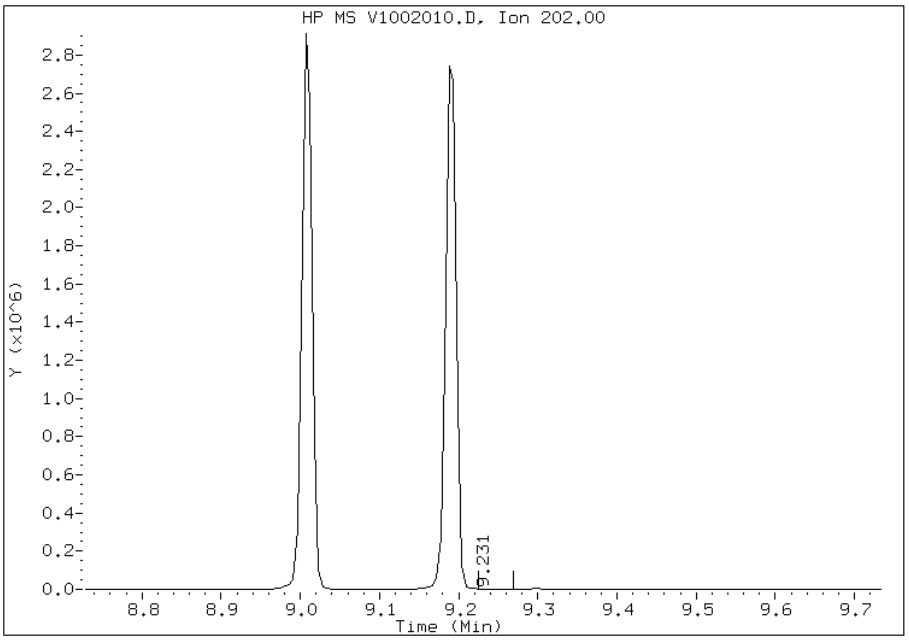
Processing Integration Results

RT: 9.23

Response: 3486

Amount: 0

Conc: 0



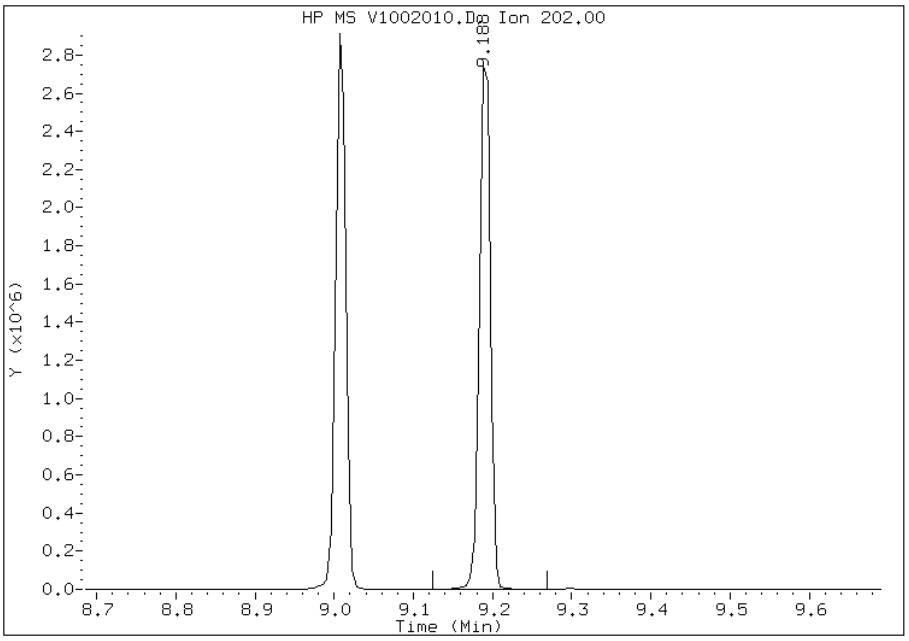
Manual Integration Results

RT: 9.19

Response: 2587880

Amount: 34

Conc: 34



Manually Integrated By: piccolinov
Modification Date: 03-Oct-2012 05:20
Manual Integration Reason: Peak Not Found

Manual Integration Report

Data File: V1002010.D
Inj. Date and Time: 02-OCT-2012 11:59
Instrument ID: 731.i
Client ID:
Compound: 156 Terphenyl-d14
CAS #: 1718-51-0
Report Date: 10/03/2012

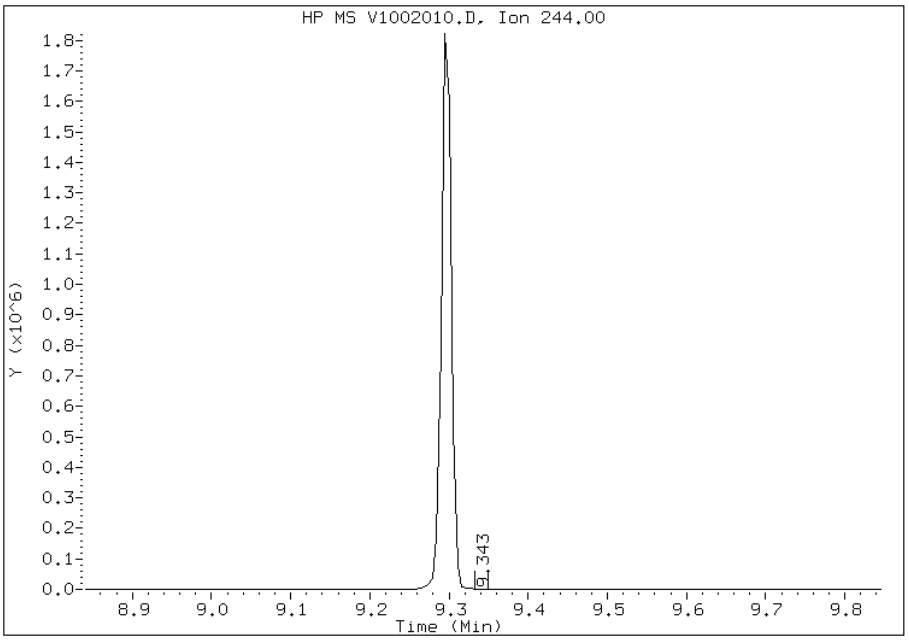
Processing Integration Results

RT: 9.34

Response: 1464

Amount: 0

Conc: 0



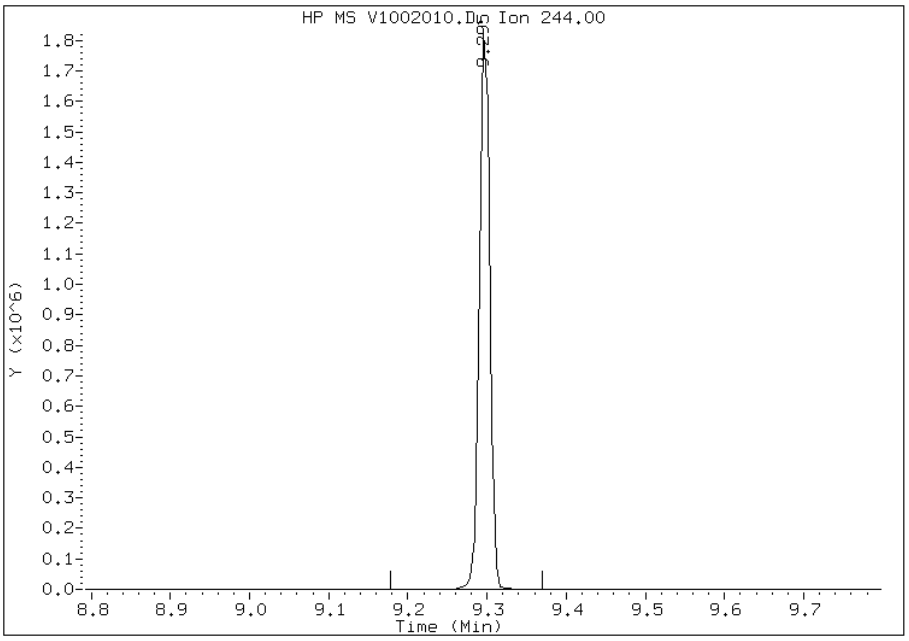
Manual Integration Results

RT: 9.30

Response: 1629110

Amount: 35

Conc: 35



Manually Integrated By: piccolinov
Modification Date: 03-Oct-2012 05:20
Manual Integration Reason: Peak Not Found

Manual Integration Report

Data File: V1002010.D
Inj. Date and Time: 02-OCT-2012 11:59
Instrument ID: 731.i
Client ID:
Compound: 198 1,4-Dioxane
CAS #: 123-91-1
Report Date: 10/03/2012

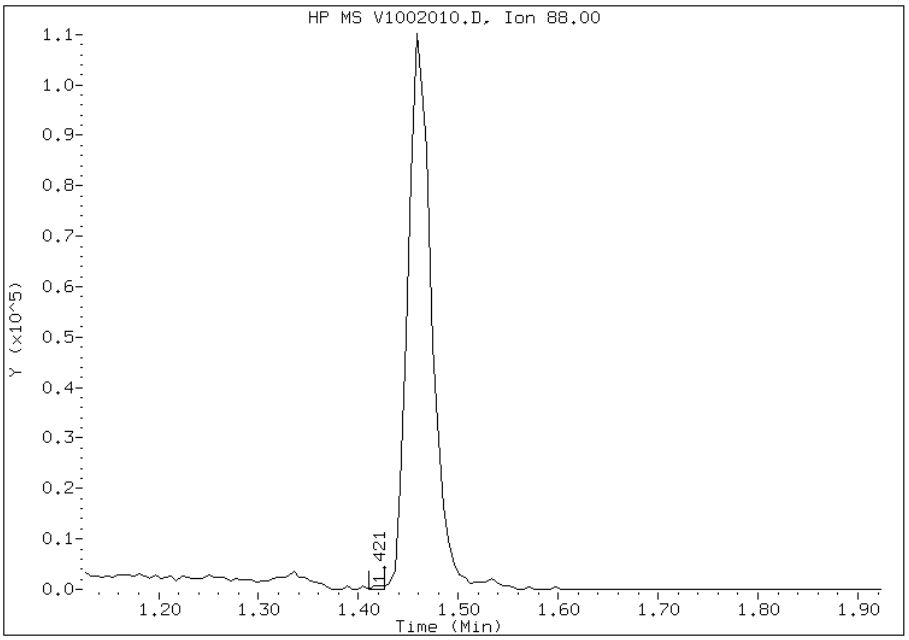
Processing Integration Results

RT: 1.42

Response: 689

Amount: 0

Conc: 0



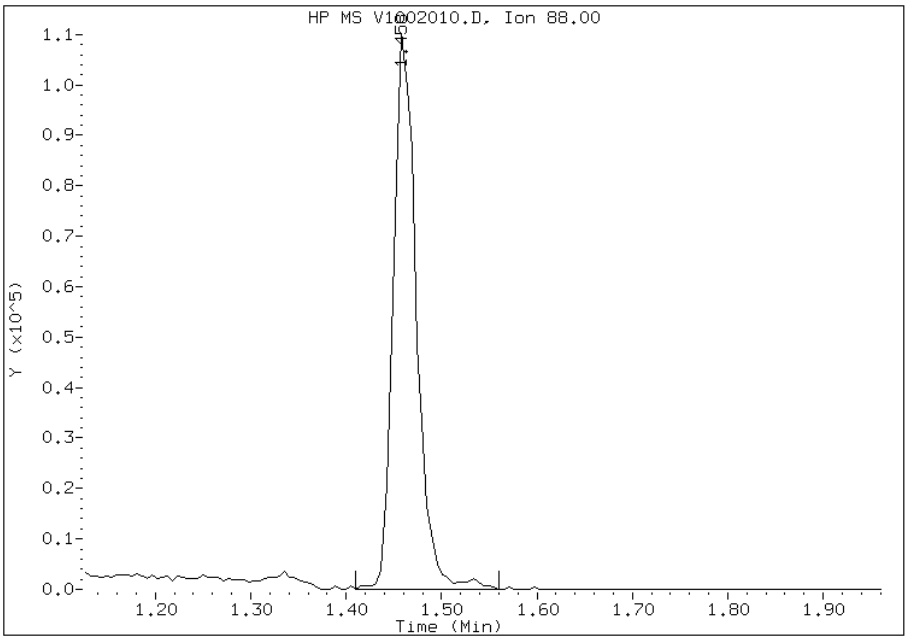
Manual Integration Results

RT: 1.46

Response: 187603

Amount: 28

Conc: 28



Manually Integrated By: piccolinov
Modification Date: 03-Oct-2012 05:19
Manual Integration Reason: Peak Not Found

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-14654-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 180-50052/3-A

Matrix: Water | Lab File ID: V1002011.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3520C | Date Extracted: 09/27/2012 15:47

Sample wt/vol: 1000(mL) | Date Analyzed: 10/02/2012 12:22

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.: 50568 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	14.0		0.20	0.014
208-96-8	Acenaphthylene	15.3		0.20	0.015
98-86-2	Acetophenone	14.2		1.0	0.080
120-12-7	Anthracene	14.2		0.20	0.15
1912-24-9	Atrazine	23.3		1.0	0.089
100-52-7	Benzaldehyde	9.86		1.0	0.15
56-55-3	Benzo[a]anthracene	14.7		0.20	0.015
205-99-2	Benzo[b]fluoranthene	14.1		0.20	0.016
207-08-9	Benzo[k]fluoranthene	15.2		0.20	0.055
191-24-2	Benzo[g,h,i]perylene	14.8		0.20	0.015
50-32-8	Benzo[a]pyrene	15.4		0.20	0.013
111-91-1	Bis(2-chloroethoxy)methane	13.9		1.0	0.058
111-44-4	Bis(2-chloroethyl)ether	13.4		0.20	0.025
117-81-7	Bis(2-ethylhexyl) phthalate	15.1		2.0	1.3
85-68-7	Butyl benzyl phthalate	15.0		1.0	0.14
92-52-4	1,1'-Biphenyl	13.7		1.0	0.042
105-60-2	Caprolactam	15.4		5.0	1.2
86-74-8	Carbazole	13.2		0.20	0.016
218-01-9	Chrysene	15.7		0.20	0.014
91-58-7	2-Chloronaphthalene	13.8		0.20	0.015
95-57-8	2-Chlorophenol	13.8		1.0	0.17
120-83-2	2,4-Dichlorophenol	14.1		0.20	0.033
105-67-9	2,4-Dimethylphenol	13.8		1.0	0.085
51-28-5	2,4-Dinitrophenol	12.5		5.0	0.61
121-14-2	2,4-Dinitrotoluene	13.8		1.0	0.054
606-20-2	2,6-Dinitrotoluene	14.4		1.0	0.080
91-57-6	2-Methylnaphthalene	13.6		0.20	0.012
95-48-7	2-Methylphenol	13.3		1.0	0.086
88-74-4	2-Nitroaniline	13.5		5.0	0.35
88-75-5	2-Nitrophenol	14.4		1.0	0.17
108-60-1	2,2'-oxybis[1-chloropropane]	13.1		0.20	0.020
95-95-4	2,4,5-Trichlorophenol	12.0		1.0	0.15
88-06-2	2,4,6-Trichlorophenol	14.0		1.0	0.17
100-01-6	4-Nitroaniline	13.7		5.0	0.17

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-14654-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 180-50052/3-A
Matrix: Water
Lab File ID: V1002011.D
Analysis Method: 8270C LL
Date Collected:
Extract. Method: 3520C
Date Extracted: 09/27/2012 15:47
Sample wt/vol: 1000(mL)
Date Analyzed: 10/02/2012 12:22
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.: 50568
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	12.5		5.0	0.65
7005-72-3	4-Chlorophenyl phenyl ether	14.5		1.0	0.050
106-44-5	Methylphenol, 3 & 4	28.3		1.0	0.090
534-52-1	4,6-Dinitro-2-methylphenol	13.7		5.0	0.22
106-47-8	4-Chloroaniline	14.5		1.0	0.089
59-50-7	4-Chloro-3-methylphenol	12.9		1.0	0.075
101-55-3	4-Bromophenyl phenyl ether	14.1		1.0	0.064
53-70-3	Dibenz(a,h)anthracene	12.8		0.20	0.016
132-64-9	Dibenzofuran	13.5		1.0	0.062
84-74-2	Di-n-butyl phthalate	13.4		1.0	0.12
84-66-2	Diethyl phthalate	14.2		1.0	0.15
131-11-3	Dimethyl phthalate	13.6		1.0	0.077
117-84-0	Di-n-octyl phthalate	15.3		1.0	0.21
91-94-1	3,3'-Dichlorobenzidine	15.4		1.0	0.11
99-09-2	3-Nitroaniline	13.7		5.0	0.32
206-44-0	Fluoranthene	13.6		0.20	0.016
86-73-7	Fluorene	13.9		0.20	0.022
118-74-1	Hexachlorobenzene	15.9		0.20	0.018
87-68-3	Hexachlorobutadiene	13.8		0.20	0.017
77-47-4	Hexachlorocyclopentadiene	16.0		1.0	0.052
67-72-1	Hexachloroethane	13.1		1.0	0.063
193-39-5	Indeno[1,2,3-cd]pyrene	13.8		0.20	0.020
78-59-1	Isophorone	14.5		1.0	0.064
91-20-3	Naphthalene	13.6		0.20	0.014
98-95-3	Nitrobenzene	13.6		2.0	0.084
86-30-6	N-Nitrosodiphenylamine	14.7		1.0	0.085
621-64-7	N-Nitrosodi-n-propylamine	13.9		0.20	0.031
129-00-0	Pyrene	16.5		0.20	0.016
108-95-2	Phenol	13.0		0.20	0.058
85-01-8	Phenanthrene	14.5		0.20	0.043
87-86-5	Pentachlorophenol	12.0		1.0	0.066
123-91-1	1,4-Dioxane	13.3		2.0	0.14

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-14654-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 180-50052/3-A
Matrix: Water
Lab File ID: V1002011.D
Analysis Method: 8270C LL
Date Collected:
Extract. Method: 3520C
Date Extracted: 09/27/2012 15:47
Sample wt/vol: 1000(mL)
Date Analyzed: 10/02/2012 12:22
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.: 50568
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	79		16-122
321-60-8	2-Fluorobiphenyl	70		19-107
367-12-4	2-Fluorophenol	69		10-111
4165-60-0	Nitrobenzene-d5	70		23-112
4165-62-2	Phenol-d5	72		15-112
1718-51-0	Terphenyl-d14	87		10-132

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV100212.b\V1002011.D
Lab Smp Id: LCSD 180-50052/3-A
Inj Date : 02-OCT-2012 12:22
Operator : 003200 Inst ID: 731.i
Smp Info : LCSD 180-50052/3-A
Misc Info : TV100212.b,T8270ll.m,padepi.sub
Comment :
Method : \\PITSVR06\D\chem\731.i\TV100212.b\T8270ll.m
Meth Date : 02-Oct-2012 08:29 piccolinov Quant Type: ISTD
Cal Date : 12-SEP-2012 13:48 Cal File: V0912IC8.D
Als bottle: 13
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	4.578	4.594	(1.000)	175580	8.00000	
* 2 Naphthalene-d8	136	5.551	5.572	(1.000)	682645	8.00000	
* 3 Acenaphthene-d10	164	6.902	6.929	(1.000)	396720	8.00000	
* 4 Phenanthrene-d10	188	8.051	8.083	(1.000)	632336	8.00000	
* 5 Chrysene-d12	240	10.166	10.139	(1.000)	501339	8.00000	
* 6 Perylene-d12	264	11.614	11.582	(1.000)	500382	8.00000	
198 1,4-Dioxane	88	1.469	1.437	(0.321)	183532	26.6582	26.658(H)
10 N-Nitrosodimethylamine	74	1.961	1.929	(0.428)	279621	28.3930	28.393
9 Pyridine	79	1.987	1.977	(0.434)	516865	28.9585	28.958
16 Methyl methanesulfonate	80	3.403	3.398	(0.743)	26805	2.46102	2.4610
206 Benzaldehyde	77	4.237	4.247	(0.925)	268413	19.7196	19.720
21 Aniline	93	4.327	4.338	(0.945)	913756	27.5221	27.522
22 Phenol	94	4.322	4.327	(0.944)	880544	25.9087	25.909
23 bis(2-Chloroethyl)ether	93	4.381	4.391	(0.957)	622168	26.8622	26.862
24 2-Chlorophenol	128	4.418	4.429	(0.965)	814228	27.5256	27.526
26 1,3-Dichlorobenzene	146	4.536	4.552	(0.991)	937333	26.5210	26.521
27 1,4-Dichlorobenzene	146	4.594	4.610	(1.003)	959430	26.5041	26.504
28 1,2-Dichlorobenzene	146	4.707	4.722	(1.028)	928320	26.5800	26.580
217 Indene	116	4.776	4.792	(1.043)	1276172	27.3372	27.337
29 Benzyl Alcohol	108	4.685	4.701	(1.023)	372997	21.2471	21.247
30 2-Methylphenol	108	4.781	4.792	(1.044)	674527	26.6973	26.697
31 2,2'-oxybis(1-Chloropropane)	45	4.792	4.808	(1.047)	870217	26.1397	26.140
37 Acetophenone	105	4.883	4.899	(1.067)	987936	28.3372	28.337
32 N-Nitroso-di-n-propylamine	70	4.888	4.904	(1.068)	457156	27.8796	27.880
192 4-Methylphenol	108	4.894	4.904	(1.069)	1386319	56.6899	56.690
34 Hexachloroethane	117	4.968	4.990	(1.085)	377725	26.2821	26.282
35 Nitrobenzene	77	5.011	5.027	(0.903)	721146	27.2024	27.202
36 N-Nitrosopyrrolidine	100	4.862	4.872	(1.062)	304340	29.7759	29.776

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
41 Isophorone	82	5.198	5.214	(0.936)	1264581	29.0742	29.074
42 2-Nitrophenol	139	5.257	5.278	(0.947)	469103	28.7391	28.739
43 2,4-Dimethylphenol	107	5.294	5.315	(0.954)	724965	27.5087	27.509
44 bis(2-Chloroethoxy)methane	93	5.364	5.385	(0.966)	782365	27.7687	27.769
48 2,4-Dichlorophenol	162	5.444	5.465	(0.981)	703591	28.1097	28.110
49 Benzoic Acid	122	5.364	5.364	(0.966)	491324	28.8083	28.808(M)
50 1,2,4-Trichlorobenzene	180	5.508	5.534	(0.992)	859935	27.9835	27.984
51 Naphthalene	128	5.567	5.593	(1.003)	2394460	27.2906	27.291
52 4-Chloroaniline	127	5.604	5.631	(1.010)	975364	28.9436	28.944
54 2,6-Dichlorophenol	162	5.615	5.636	(1.012)	620504	26.2172	26.217
56 Hexachlorobutadiene	225	5.674	5.695	(1.022)	484061	27.6558	27.656
208 Caprolactam	113	5.861	5.866	(1.056)	197931	30.7522	30.752
59 4-Chloro-3-Methylphenol	107	5.978	5.999	(1.077)	576115	25.8562	25.856
62 2-Methylnaphthalene	142	6.096	6.122	(1.098)	1622994	27.2668	27.267
63 1-Methylnaphthalene	142	6.176	6.202	(1.113)	1546707	27.6894	27.689
64 Hexachlorocyclopentadiene	237	6.229	6.256	(0.902)	628819	32.0321	32.032
65 1,2,4,5-Tetrachlorobenzene	216	6.229	6.256	(0.902)	849512	28.5914	28.591
66 2,4,6-Trichlorophenol	196	6.315	6.341	(0.915)	564075	27.9717	27.972
67 2,4,5-Trichlorophenol	196	6.341	6.368	(0.919)	516928	23.9395	23.939
209 1,1'-Biphenyl	154	6.459	6.485	(0.936)	2021315	27.3396	27.340
70 2-Chloronaphthalene	162	6.475	6.501	(0.938)	1676177	27.6176	27.618
73 2-Nitroaniline	65	6.544	6.571	(0.948)	382596	27.0367	27.037
76 Dimethylphthalate	163	6.683	6.710	(0.968)	1694142	27.1843	27.184
78 2,6-Dinitrotoluene	165	6.726	6.752	(0.974)	394835	28.7769	28.777
79 Acenaphthylene	152	6.795	6.822	(0.985)	2723622	30.5158	30.516
81 3-Nitroaniline	138	6.860	6.886	(0.994)	427313	27.4418	27.442
82 Acenaphthene	153	6.929	6.955	(1.004)	1619458	27.9255	27.925
83 2,4-Dinitrophenol	184	6.934	6.966	(1.005)	220501	24.9542	24.954
85 4-Nitrophenol	109	6.982	7.004	(1.012)	198397	24.9202	24.920
86 Dibenzofuran	168	7.063	7.089	(1.023)	2281270	27.0687	27.069
87 2,4-Dinitrotoluene	165	7.041	7.068	(1.020)	513907	27.6872	27.687
91 2,3,5,6-Tetrachlorophenol	232	7.121	7.148	(1.032)	483417	29.5067	29.507
88 2,3,4,6-Tetrachlorophenol	232	7.153	7.180	(1.036)	455925	27.9699	27.970
92 2-Naphthylamine	143	7.175	7.207	(1.039)	1047290	61.6085	61.608
93 Diethylphthalate	149	7.228	7.255	(1.047)	1754593	28.3108	28.311
94 Fluorene	166	7.324	7.356	(1.061)	1880210	27.8732	27.873
95 4-Chlorophenyl-phenylether	204	7.319	7.351	(1.060)	951948	29.0165	29.016
96 4-Nitroaniline	138	7.330	7.351	(1.062)	446117	27.3408	27.341
98 4,6-Dinitro-2-methylphenol	198	7.356	7.383	(0.914)	305575	27.3624	27.362
99 N-Nitrosodiphenylamine (1)	169	7.410	7.436	(0.920)	1230693	29.4862	29.486
100 1,2-Diphenylhydrazine	77	7.442	7.468	(0.924)	1546910	27.5300	27.530
106 4-Bromophenyl-phenylether	248	7.698	7.725	(0.956)	494450	28.2981	28.298
107 Hexachlorobenzene	284	7.762	7.789	(0.964)	559563	31.8983	31.898
210 Atrazine	200	7.816	7.837	(0.971)	440734	46.6722	46.672
111 Pentachlorophenol	266	7.907	7.933	(0.982)	305546	23.9129	23.913
115 Phenanthrene	178	8.072	8.099	(1.003)	2669274	28.9541	28.954
116 Anthracene	178	8.110	8.141	(1.007)	2656602	28.4174	28.417
119 Carbazole	167	8.227	8.254	(1.022)	2122946	26.3647	26.365
120 Di-n-Butylphthalate	149	8.484	8.510	(1.054)	2686699	26.8532	26.853
123 Fluoranthene	202	9.002	9.023	(1.118)	2618878	27.2942	27.294
124 Benzidine	184	9.093	9.108	(0.894)	574559	29.6476	29.648
125 Pyrene	202	9.189	9.199	(0.904)	2613400	32.9030	32.903(M)
131 Butylbenzylphthalate	149	9.669	9.664	(0.951)	1034643	30.0994	30.099
135 3,3'-Dichlorobenzidine	252	10.124	10.091	(0.996)	768276	30.7561	30.756

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
136 Benzo(a)Anthracene	228	10.156	10.129	(0.999)	2141945	29.3546	29.355
137 Chrysene	228	10.188	10.161	(1.002)	2136859	31.4682	31.468
139 bis(2-ethylhexyl)Phthalate	149	10.134	10.102	(0.997)	1466319	30.1152	30.115
140 Di-n-octylphthalate	149	10.701	10.652	(0.921)	2515634	30.5944	30.594
141 Benzo(b)fluoranthene	252	11.187	11.144	(0.963)	2294774	28.1162	28.116
142 Benzo(k)fluoranthene	252	11.213	11.176	(0.966)	2474286	30.4031	30.403
143 7,12-dimethylbenz[a]anthracen	256	11.171	11.133	(0.962)	1058308	31.0824	31.082
146 Benzo(a)pyrene	252	11.555	11.518	(0.995)	1882959	30.7717	30.772
149 Indeno(1,2,3-cd)pyrene	276	13.072	13.046	(1.126)	2073548	27.6477	27.648
150 Dibenz(a,h)anthracene	278	13.078	13.062	(1.126)	1632291	25.5114	25.511
151 Benzo(g,h,i)perylene	276	13.500	13.489	(1.162)	1858917	29.5300	29.530
$ 154 Nitrobenzene-d5	82	5.000	5.016	(0.901)	727332	27.8338	27.834
$ 155 2-Fluorobiphenyl	172	6.379	6.405	(0.924)	1826720	27.8454	27.845
$ 156 Terphenyl-d14	244	9.290	9.306	(0.914)	1664352	34.6256	34.626(M)
$ 157 Phenol-d5	99	4.311	4.322	(0.942)	1236840	42.9640	42.964
$ 158 2-Fluorophenol	112	3.563	3.563	(0.778)	973203	41.5157	41.516
$ 159 2,4,6-Tribromophenol	330	7.511	7.543	(0.933)	349233	47.5554	47.555
$ 186 2-Chlorophenol-d4	132	4.407	4.418	(0.963)	1220588	40.9989	40.999
$ 187 1,2-Dichlorobenzene-d4	152	4.696	4.712	(1.026)	590051	27.7413	27.741

QC Flag Legend

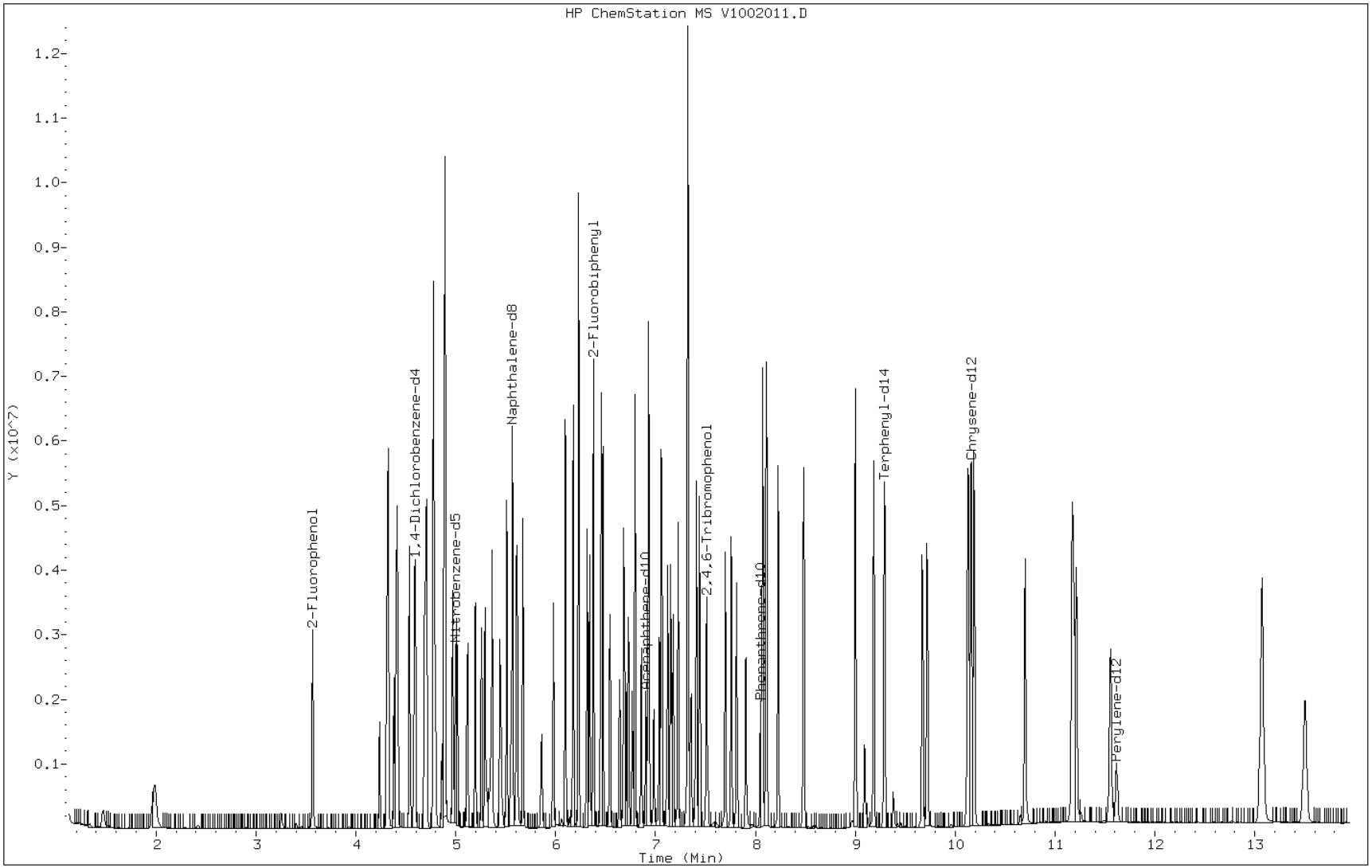
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: V1002011.D

Date: 02-OCT-2012 12:22

Client ID: Instrument: 731.i

Sample Info: LCSD 180-50052/3-A Operator: 003200



Manual Integration Report

Data File: V1002011.D
Inj. Date and Time: 02-OCT-2012 12:22
Instrument ID: 731.i
Client ID:
Compound: 125 Pyrene
CAS #: 129-00-0
Report Date: 10/03/2012

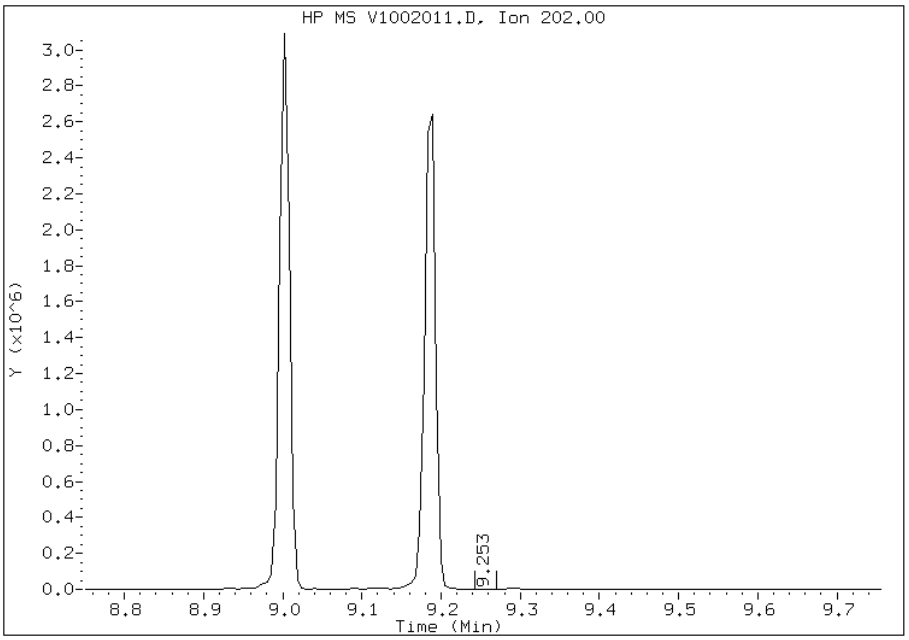
Processing Integration Results

RT: 9.25

Response: 821

Amount: 0

Conc: 0



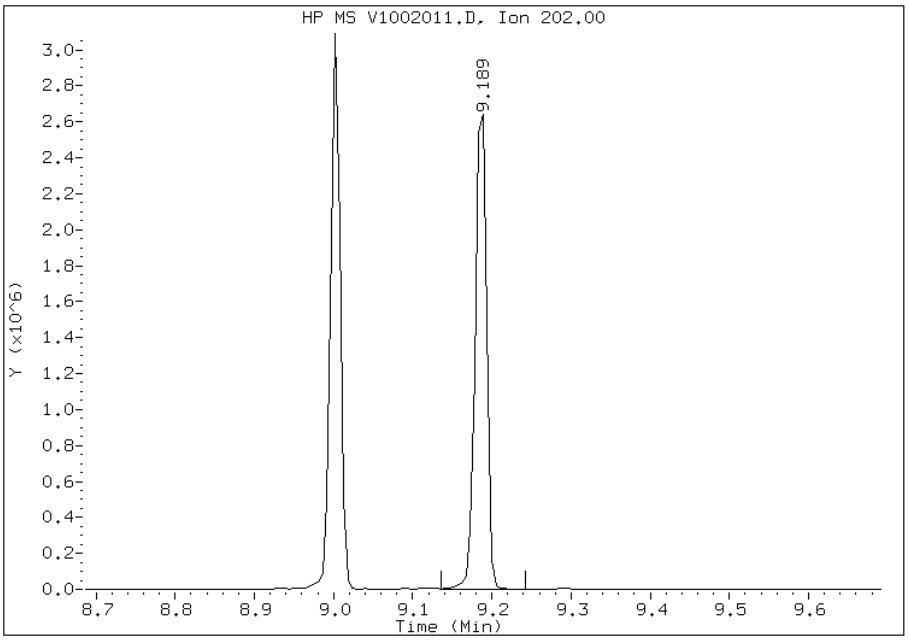
Manual Integration Results

RT: 9.19

Response: 2613400

Amount: 33

Conc: 33



Manually Integrated By: piccolinov
Modification Date: 03-Oct-2012 05:21
Manual Integration Reason: Peak Not Found

Manual Integration Report

Data File: V1002011.D
Inj. Date and Time: 02-OCT-2012 12:22
Instrument ID: 731.i
Client ID:
Compound: 156 Terphenyl-d14
CAS #: 1718-51-0
Report Date: 10/03/2012

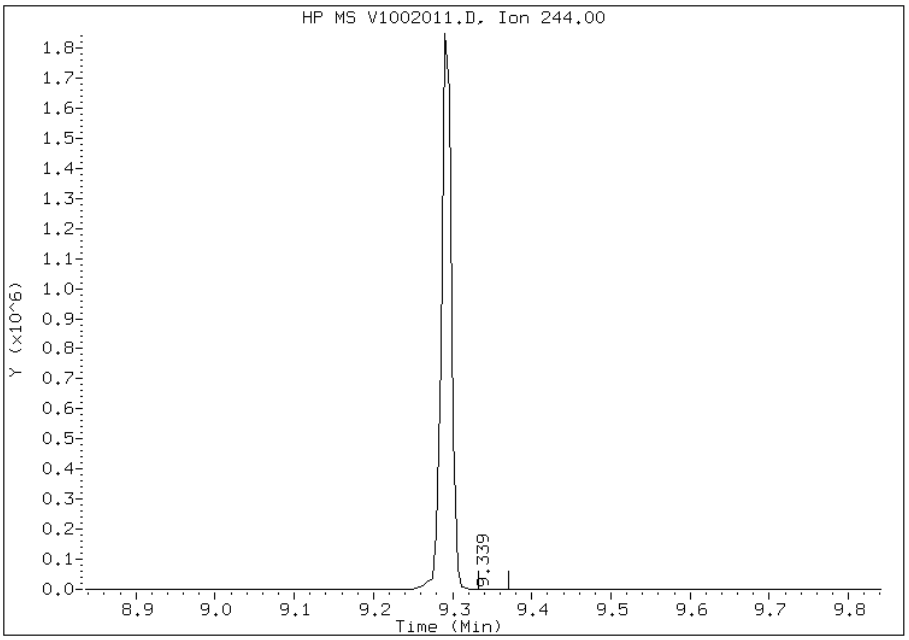
Processing Integration Results

RT: 9.34

Response: 2221

Amount: 0

Conc: 0



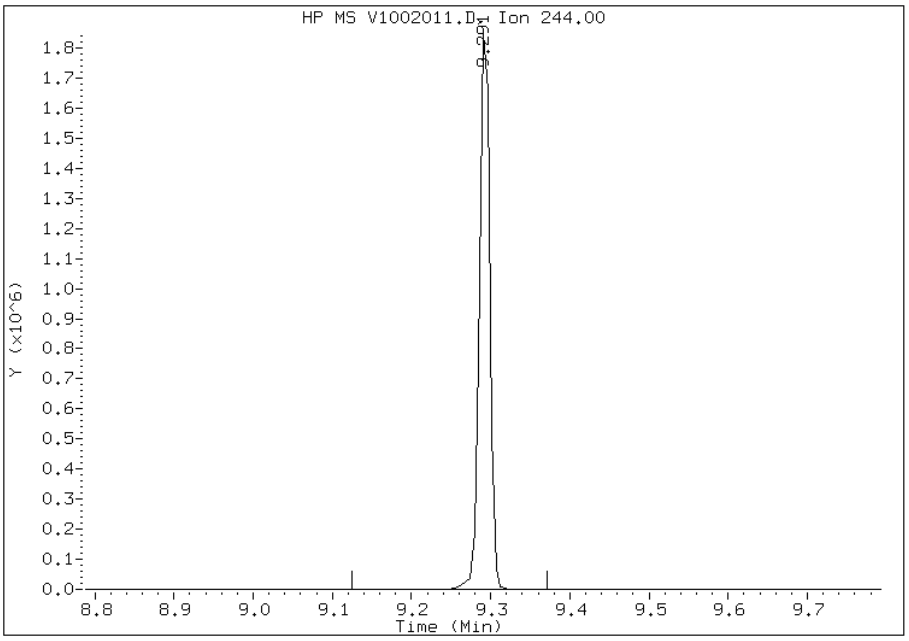
Manual Integration Results

RT: 9.29

Response: 1664352

Amount: 35

Conc: 35



Manually Integrated By: piccolinov
Modification Date: 03-Oct-2012 05:21
Manual Integration Reason: Peak Not Found

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

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.: 180-14654-1

SDG No.:

Instrument ID: 731 Start Date: 10/02/2012 07:51

Analysis Batch Number: 50568 End Date: 10/02/2012 18:46

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 180-50568/21		10/02/2012 07:51	1	V1002DF1.D	Rxi-5SilMS 0.32(mm)
CCVIS 180-50568/20		10/02/2012 08:07	1	V10020CC.D	Rxi-5SilMS 0.32(mm)
MB 180-50052/1-A		10/02/2012 10:25	1	V1002009.D	Rxi-5SilMS 0.32(mm)
ZZZZZ		10/02/2012 10:48	1		Rxi-5SilMS 0.32(mm)
LCS 180-50052/2-A		10/02/2012 11:59	1	V1002010.D	Rxi-5SilMS 0.32(mm)
LCSD 180-50052/3-A		10/02/2012 12:22	1	V1002011.D	Rxi-5SilMS 0.32(mm)
ZZZZZ		10/02/2012 12:46	1		Rxi-5SilMS 0.32(mm)
180-14654-2	TMP-2	10/02/2012 13:33	1	V1002012.D	Rxi-5SilMS 0.32(mm)
180-14654-3	MW-107	10/02/2012 13:57	1	V1002013.D	Rxi-5SilMS 0.32(mm)
180-14654-4	MW-111	10/02/2012 14:20	1	V1002014.D	Rxi-5SilMS 0.32(mm)
180-14654-6	MW-103	10/02/2012 14:44	1	V1002015.D	Rxi-5SilMS 0.32(mm)
ZZZZZ		10/02/2012 15:08	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		10/02/2012 15:33	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		10/02/2012 15:57	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		10/02/2012 16:21	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		10/02/2012 16:45	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		10/02/2012 17:09	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		10/02/2012 17:33	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		10/02/2012 17:58	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		10/02/2012 18:22	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		10/02/2012 18:46	1		Rxi-5SilMS 0.32(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Batch Number: 50052 Batch Start Date: 09/27/12 15:50 Batch Analyst: Trout, Bill

Batch Method: 3520C Batch End Date: 09/29/12 06:10

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	FirstAdjustpH	OPDODADNLSPKs 00003	OPHC8270SPKs 00026
MB 180-50052/1		3520C, 8270C LL		5	1000 mL	1.0 mL	2		
LCS 180-50052/2		3520C, 8270C LL		5	1000 mL	1.0 mL	2	100 uL	100 uL
LCSD 180-50052/3		3520C, 8270C LL		5	1000 mL	1.0 mL	2	100 uL	100 uL
180-14654-B-2	TMP-2	3520C, 8270C LL	T	7	1040 mL	1.0 mL	2		
180-14654-B-3	MW-107	3520C, 8270C LL	T	7	1040 mL	1.0 mL	2		
180-14654-B-4	MW-111	3520C, 8270C LL	T	7	1040 mL	1.0 mL	2		
180-14654-B-6	MW-103	3520C, 8270C LL	T	7	1040 mL	1.0 mL	2		

Lab Sample ID	Client Sample ID	Method Chain	Basis	OPQL-8270SURi 00037	SVATRAZINEs 00017				
MB 180-50052/1		3520C, 8270C LL		100 uL					
LCS 180-50052/2		3520C, 8270C LL		100 uL	100 uL				
LCSD 180-50052/3		3520C, 8270C LL		100 uL	100 uL				
180-14654-B-2	TMP-2	3520C, 8270C LL	T	100 uL					
180-14654-B-3	MW-107	3520C, 8270C LL	T	100 uL					
180-14654-B-4	MW-111	3520C, 8270C LL	T	100 uL					
180-14654-B-6	MW-103	3520C, 8270C LL	T	100 uL					

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Batch Number: 50052 Batch Start Date: 09/27/12 15:50 Batch Analyst: Trout, Bill

Batch Method: 3520C Batch End Date: 09/29/12 06:10

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
Time the first extraction ended 24hr	1040
Time the first extraction started 24 hr	1550
N-evap #	1
Na2SO4 Lot Number	578465
Prep Solvent Lot #	553670
Prep Solvent Name	Methylene chloride
Prep Solvent Volume Used	250 mL
Person's name who did the prep	BT
Time the second extractino ended 24 hr	0610
Time the second extration started 24 hr	1130
Uncorrected N-evap Temperature	26 Celsius
Uncorrected Temperature	75 Celsius

Basis	Basis Description
T	Total/NA

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Pittsburgh Job Number: 180-14654-1

SDG No.:

Project: QDI Institute, WV

Client Sample ID	Lab Sample ID
TMP-2	180-14654-2
MW-107	180-14654-3
MW-111	180-14654-4
MW-103	180-14654-6

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: TMP-2

Lab Sample ID: 180-14654-2

Lab Name: TestAmerica Pittsburgh

Job No.: 180-14654-1

SDG ID.:

Matrix: Water

Date Sampled: 09/20/2012 09:15

Reporting Basis: WET

Date Received: 09/21/2012 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	3.2	1.0	0.29	ug/L			1	6020A
7440-39-3	Barium	200	10	0.098	ug/L			1	6020A
7439-92-1	Lead	6.5	1.0	0.019	ug/L		B	1	6020A
7439-89-6	Iron	8900	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	12	1.0	0.082	ug/L		B	1	6020A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: TMP-2
Lab Sample ID: 180-14654-2
Lab Name: TestAmerica Pittsburgh
Job No.: 180-14654-1
SDG ID.:
Matrix: Water
Date Sampled: 09/20/2012 09:15
Reporting Basis: WET
Date Received: 09/21/2012 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	170	10	0.098	ug/L			1	6020A
7439-89-6	Iron	220	50	6.1	ug/L			1	6020A
7439-92-1	Lead	0.18	1.0	0.019	ug/L	J		1	6020A
7439-96-5	Manganese	1300	5.0	0.039	ug/L		B	1	6020A
7440-62-2	Vanadium	2.2	1.0	0.082	ug/L			1	6020A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-107
Lab Sample ID: 180-14654-3
Lab Name: TestAmerica Pittsburgh
Job No.: 180-14654-1
SDG ID.:
Matrix: Water
Date Sampled: 09/20/2012 08:05
Reporting Basis: WET
Date Received: 09/21/2012 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	1.6	1.0	0.29	ug/L			1	6020A
7440-39-3	Barium	99	10	0.098	ug/L			1	6020A
7439-92-1	Lead	4.8	1.0	0.019	ug/L		B	1	6020A
7439-89-6	Iron	11000	50	6.1	ug/L		B	1	6020A
7439-96-5	Manganese	4700	5.0	0.039	ug/L		B	1	6020A
7440-62-2	Vanadium	0.36	1.0	0.082	ug/L	J	B	1	6020A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-107
Lab Sample ID: 180-14654-3
Lab Name: TestAmerica Pittsburgh
Job No.: 180-14654-1
SDG ID.:
Matrix: Water
Date Sampled: 09/20/2012 08:05
Reporting Basis: WET
Date Received: 09/21/2012 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	53	10	0.098	ug/L			1	6020A
7439-89-6	Iron	170	50	6.1	ug/L			1	6020A
7439-92-1	Lead	0.060	1.0	0.019	ug/L	J		1	6020A
7439-96-5	Manganese	5000	5.0	0.039	ug/L		B	1	6020A
7440-62-2	Vanadium	1.6	1.0	0.082	ug/L			1	6020A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-111

Lab Sample ID: 180-14654-4

Lab Name: TestAmerica Pittsburgh

Job No.: 180-14654-1

SDG ID.:

Matrix: Water

Date Sampled: 09/20/2012 10:00

Reporting Basis: WET

Date Received: 09/21/2012 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	1.0	1.0	0.29	ug/L			1	6020A
7440-39-3	Barium	73	10	0.098	ug/L			1	6020A
7439-92-1	Lead	2.4	1.0	0.019	ug/L		B	1	6020A
7439-89-6	Iron	5000	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	ND	1.0	0.082	ug/L			1	6020A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-111
Lab Sample ID: 180-14654-4
Lab Name: TestAmerica Pittsburgh
Job No.: 180-14654-1
SDG ID.:
Matrix: Water
Date Sampled: 09/20/2012 10:00
Reporting Basis: WET
Date Received: 09/21/2012 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	54	10	0.098	ug/L			1	6020A
7439-89-6	Iron	170	50	6.1	ug/L			1	6020A
7439-92-1	Lead	0.044	1.0	0.019	ug/L	J		1	6020A
7439-96-5	Manganese	5200	5.0	0.039	ug/L		B	1	6020A
7440-62-2	Vanadium	1.3	1.0	0.082	ug/L			1	6020A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-103

Lab Sample ID: 180-14654-6

Lab Name: TestAmerica Pittsburgh

Job No.: 180-14654-1

SDG ID.:

Matrix: Water

Date Sampled: 09/20/2012 07:45

Reporting Basis: WET

Date Received: 09/21/2012 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	2.1	1.0	0.29	ug/L			1	6020A
7440-39-3	Barium	72	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	8500	50	6.1	ug/L		B	1	6020A
7439-96-5	Manganese	130	5.0	0.039	ug/L		B	1	6020A
7440-62-2	Vanadium	15	1.0	0.082	ug/L		B	1	6020A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-103
Lab Sample ID: 180-14654-6
Lab Name: TestAmerica Pittsburgh
Job No.: 180-14654-1
SDG ID.:
Matrix: Water
Date Sampled: 09/20/2012 07:45
Reporting Basis: WET
Date Received: 09/21/2012 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	93	10	0.098	ug/L			1	6020A
7439-89-6	Iron	18000	50	6.1	ug/L			1	6020A
7439-92-1	Lead	7.2	1.0	0.019	ug/L			1	6020A
7439-96-5	Manganese	190	5.0	0.039	ug/L		B	1	6020A
7440-62-2	Vanadium	23	1.0	0.082	ug/L			1	6020A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

ICV Source: MICVX_00001 Concentration Units: ug/L

CCV Source: MCCV1X_00027

Analyte	ICV 180-51613/5 10/10/2012 15:04				CCV 180-51613/11 10/10/2012 15:36				CCV 180-51613/23 10/10/2012 16:35			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	80.5		80.0	101	98.5		100	99	98.5		100	98
Barium	81.1		80.0	101	96.3		100	96	94.1		100	94
Iron	19800		20000	99	24400		25000	98	24500		25000	98
Lead	79.8		80.0	100	102		100	102	104		100	104
Manganese	386		400	96	480		500	96	480		500	96
Vanadium	77.5		80.0	97	95.1		100	95	95.7		100	96

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.: 180-14654-1

SDG No.:

ICV Source: MICVX_00001 Concentration Units: ug/L

CCV Source: MCCV1X_00027

Analyte	CCV 180-51613/35 10/10/2012 17:32				CCV 180-51613/47 10/10/2012 18:38				CCV 180-51613/61 10/10/2012 19:54			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	97.3		100	97	97.8		100	98	96.0		100	96
Barium	94.8		100	95	95.3		100	95	93.3		100	93
Iron	24500		25000	98	24800		25000	99	25100		25000	100
Lead	104		100	104	104		100	104	100		100	100
Manganese	482		500	96	485		500	97	493		500	99
Vanadium	95.3		100	95	95.5		100	96	95.5		100	96

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.: 180-14654-1

SDG No.:

Method: 6020A Instrument ID: X

Lab Sample ID: CRI 180-51613/7 Concentration Units: ug/L

CRQL Check Standard Source: MCRIX_00019

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	1.00	0.910	J	91	70-130
Barium	10.0	9.67	J	97	70-130
Iron	50.0	51.0		102	70-130
Lead	1.00	1.00		100	70-130
Manganese	5.00	4.89	J	98	70-130
Vanadium	1.00	0.948	J	95	70-130

Lab Sample ID: CRI 180-51613/51 Concentration Units: ug/L

CRQL Check Standard Source: MCRIX_00019

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	1.00	0.809	J	81	70-130
Barium	10.0	9.64	J	96	70-130
Iron	50.0	49.2	J	98	70-130
Lead	1.00	1.04		104	70-130
Manganese	5.00	4.87	J	97	70-130
Vanadium	1.00	0.908	J	91	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.: 180-14654-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 180-51613/6 10/10/2012 15:12		CCB1 180-51613/12 10/10/2012 15:43		CCB2 180-51613/24 10/10/2012 16:42		CCB3 180-51613/36 10/10/2012 17:39	
		Found	C	Found	C	Found	C	Found	C
Arsenic	1.0	ND		ND		ND		ND	
Barium	10	ND		ND		ND		ND	
Iron	50	ND		6.44	J	11.5	J	ND	
Lead	1.0	ND		ND		ND		ND	
Manganese	5.0	ND		ND		0.170	J	0.0830	J
Vanadium	1.0	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB4 180-51613/48 10/10/2012 18:45		CCB5 180-51613/62 10/10/2012 20:01					
		Found	C	Found	C	Found	C	Found	C
Arsenic	1.0	ND		ND					
Barium	10	ND		ND					
Iron	50	ND		6.24	J				
Lead	1.0	ND		0.0300	J				
Manganese	5.0	0.208	J	0.188	J				
Vanadium	1.0	ND		ND					

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 180-50753/1-A

Instrument Code: X Batch No.: 51613

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	ND			6020A
7440-39-3	Barium	ND			6020A
7439-89-6	Iron	13.5	J		6020A
7439-92-1	Lead	0.0190	J		6020A
7439-96-5	Manganese	0.232	J		6020A
7440-62-2	Vanadium	0.122	J		6020A

FORM III-IN

3-IN
METHOD BLANK
METALS - TOTAL RECOVERABLE

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 180-51073/1-A

Instrument Code: X Batch No.: 51613

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	ND			6020A
7440-39-3	Barium	ND			6020A
7439-89-6	Iron	ND			6020A
7439-92-1	Lead	ND			6020A
7439-96-5	Manganese	1.14	J		6020A
7440-62-2	Vanadium	ND			6020A

FORM III-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Lab Sample ID: ICSA 180-51613/9 Instrument ID: X

Lab File ID: X21010AA.xml ICS Source: MICSAX_00019

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		**-0.0820**	
Barium		**0.243**	
Iron	**100000**	**101200**	**101**
Lead		**0.152**	
Manganese		**0.533**	
Vanadium		**-0.0960**	
Aluminum	*100000*	*100000*	*100*
Antimony		*0.219*	
Beryllium		*0.0210*	
Boron		*1.24*	
Cadmium		*1.08*	
Calcium	*100000*	*100000*	*100*
Chromium		*0.0100*	
Cobalt		*0.169*	
Copper		*1.35*	
Magnesium	*100000*	*101900*	*102*
Molybdenum	*2000*	*2190*	*110*
Nickel		*0.639*	
Potassium	*100000*	*100600*	*101*
Selenium		*-2.28*	
Silicon		*22.6*	
Silver		*0.465*	
Sodium	*100000*	*103700*	*104*
Strontium		*0.482*	
Thallium		*0.0280*	
Tin		*7.26*	
Titanium	*2000*	*2172*	*109*
Zinc		*4.25*	

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.: 180-14654-1

SDG No.:

Lab Sample ID: ICSAB 180-51613/10 Instrument ID: X

Lab File ID: X21010AA.xml ICS Source: MICSABX_00022

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Arsenic	**20.0**	**22.6**	**113**
Barium	**20.0**	**21.4**	**107**
Iron	**100000**	**106433**	**106**
Lead	**20.0**	**21.9**	**110**
Manganese	**22.5**	**21.4**	**95**
Vanadium	**20.0**	**21.2**	**106**
Aluminum	*100000*	*104267*	*104*
Antimony	*20.0*	*21.9*	*109*
Beryllium	*20.0*	*22.1*	*110*
Boron	*50.0*	*48.0*	*96*
Cadmium	*20.0*	*22.6*	*113*
Calcium	*100000*	*104733*	*105*
Chromium	*20.0*	*21.5*	*107*
Cobalt	*20.0*	*21.3*	*106*
Copper	*20.0*	*22.2*	*111*
Magnesium	*100000*	*106033*	*106*
Molybdenum	*2000*	*2356*	*118*
Nickel	*20.0*	*21.7*	*108*
Potassium	*100000*	*105400*	*105*
Selenium	*50.0*	*55.3*	*111*
Silicon	*500*	*570*	*114*
Silver	*20.0*	*21.4*	*107*
Sodium	*100000*	*109533*	*110*
Strontium	*20.0*	*21.1*	*105*
Thallium	*20.0*	*20.8*	*104*
Tin	*100*	*112*	*112*
Titanium	*2000*	*2264*	*113*
Zinc	*25.0*	*28.6*	*114*

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: TMP-2 MS
Lab ID: 180-14654-2 MS
Lab Name: TestAmerica Pittsburgh
Job No.: 180-14654-1
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	38.4		ND		40.0	96	75-125		6020A
Barium	2020		170		2000	93	75-125		6020A
Iron	1290		220		1000	107	75-125		6020A
Lead	20.1		0.18	J	20.0	100	75-125		6020A
Manganese	1690		1300		500	88	75-125		6020A
Vanadium	497		2.2		500	99	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: _____ Lab ID: 180-14677-C-11-B MS

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

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	37.6		ND		40.0	94	75-125		6020A
Barium	1890		7.4	J	2000	94	75-125		6020A
Iron	1340		260		1000	108	75-125		6020A
Lead	22.2		0.34	J	20.0	109	75-125		6020A
Manganese	541		38		500	101	75-125		6020A
Vanadium	504		5.1		500	100	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: TMP-2 MSD
Lab ID: 180-14654-2 MSD
Lab Name: TestAmerica Pittsburgh
Job No.: 180-14654-1
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	38.1		40.0	95	75-125	1	20		6020A
Barium	2010		2000	92	75-125	1	20		6020A
Iron	1290		1000	108	75-125	0	20		6020A
Lead	20.2		20.0	100	75-125	0	20		6020A
Manganese	1720		500	93	75-125	2	20		6020A
Vanadium	498		500	99	75-125	0	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: _____ Lab ID: 180-14677-C-11-C MSD

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

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	37.1		40.0	93	75-125	1	20		6020A
Barium	1880		2000	94	75-125	0	20		6020A
Iron	1370		1000	111	75-125	2	20		6020A
Lead	21.6		20.0	106	75-125	3	20		6020A
Manganese	537		500	100	75-125	1	20		6020A
Vanadium	503		500	100	75-125	0	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

Lab ID: LCS 180-50753/2-A

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

Sample Matrix: Water LCS Source: MTAPITTICPMS_00009

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	40.0	37.5		94	80	120		6020A
Barium	2000	1880		94	80	120		6020A
Iron	1000	1050		105	80	120		6020A
Lead	20.0	20.2		101	80	120		6020A
Manganese	500	488		98	80	120		6020A
Vanadium	500	490		98	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 - TOTAL RECOVERABLE

Lab ID: LCS 180-51073/2-A

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

Sample Matrix: Water LCS Source: MTAPITTICPMS_00009

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	40.0	38.4		96	80	120		6020A
Barium	2000	1860		93	80	120		6020A
Iron	1000	1080		108	80	120		6020A
Lead	20.0	20.0		100	80	120		6020A
Manganese	500	506		101	80	120		6020A
Vanadium	500	507		101	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: 180-14654-2

SDG No:

Lab Name: TestAmerica Pittsburgh Job No: 180-14654-1

Matrix: Water Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Arsenic	ND		ND		NC		6020A
Barium	170		167		0.91		6020A
Iron	220		223	J	NC		6020A
Lead	0.18	J	0.240	J	NC		6020A
Manganese	1300		1230		1.7		6020A
Vanadium	2.2		3.51	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: 180-14677-C-11-A SD ^5

SDG No:

Lab Name: TestAmerica Pittsburgh Job No: 180-14654-1

Matrix: Water Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Arsenic	ND		ND		NC		6020A
Barium	7.4	J	7.73	J	4.1		6020A
Iron	260		257		NC		6020A
Lead	0.34	J	0.340	J	NC		6020A
Manganese	38		49.5		31	V	6020A
Vanadium	5.1		7.36		45	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: 180-14654-1

SDG Number:

Matrix: Water Instrument ID: X

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: 180-14654-1

SDG Number:

Matrix: Water Instrument ID: X

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: 180-14654-1

SDG Number:

Matrix: Water Instrument ID: X

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: 180-14654-1

SDG Number:

Matrix: Water Instrument ID: X

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

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Pittsburgh Job No: 180-14654-1

SDG No.:

Instrument ID: X 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.: 180-14654-1

SDG No.:

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 180-50753/1-A	10/04/2012 08:20	50753		50	50
LCS 180-50753/2-A	10/04/2012 08:20	50753		50	50
180-14654-2	10/04/2012 08:20	50753		50	50
180-14654-3	10/04/2012 08:20	50753		50	50
180-14654-4	10/04/2012 08:20	50753		50	50
180-14654-6	10/04/2012 08:20	50753		50	50
180-14677-C-11-B MS	10/04/2012 08:20	50753		50	50
180-14677-C-11-C MSD	10/04/2012 08:20	50753		50	50

FORM XII-IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Prep Method: 3005A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 180-51073/1-A	10/08/2012 07:32	51073		50	50
LCS 180-51073/2-A	10/08/2012 07:32	51073		50	50
180-14654-2	10/08/2012 07:32	51073		50	50
180-14654-2 MS	10/08/2012 07:32	51073		50	50
180-14654-2 MSD	10/08/2012 07:32	51073		50	50
180-14654-3	10/08/2012 07:32	51073		50	50
180-14654-4	10/08/2012 07:32	51073		50	50
180-14654-6	10/08/2012 07:32	51073		50	50

FORM XII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Instrument ID: X Method: 6020A

Start Date: 10/10/2012 14:10 End Date: 10/11/2012 03:20

Lab Sample ID	D/F	Type	Time	Analytes																			
				As	Ba	Fe	Mn	Pb	V														
ITUNE 180-51613/1			14:10																				
STD1 180-51613/2 IC	1		14:51	X	X	X	X	X	X														
STD2 180-51613/3 IC	1		14:56	X	X	X	X	X	X														
STD3 180-51613/4 IC	1		15:00	X	X	X	X	X	X														
ICV 180-51613/5	1		15:04	X	X	X	X	X	X														
ICB 180-51613/6	1		15:12	X	X	X	X	X	X														
CRI 180-51613/7	1		15:16	X	X	X	X	X	X														
CRI 180-51613/8			15:20																				
ICSA 180-51613/9	1		15:24	X	X	X	X	X	X														
ICSAB 180-51613/10	1		15:29	X	X	X	X	X	X														
CCV 180-51613/11	1		15:36	X	X	X	X	X	X														
CCB1 180-51613/12	1		15:43	X	X	X	X	X	X														
MB 180-50753/1-A	1	T	15:47	X	X	X	X	X	X														
LCS 180-50753/2-A	1	T	15:51	X	X	X	X	X	X														
180-14654-2	1	T	15:58	X	X	X	X	X	X														
180-14654-3	1	T	16:03	X	X	X	X	X	X														
180-14654-4	1	T	16:07	X	X	X	X	X	X														
180-14654-6	1	T	16:11	X	X	X	X	X	X														
ZZZZZZ			16:15																				
ZZZZZZ			16:20																				
ZZZZZZ			16:24																				
ZZZZZZ			16:28																				
CCV 180-51613/23	1		16:35	X	X	X	X	X	X														
CCB2 180-51613/24	1		16:42	X	X	X	X	X	X														
ZZZZZZ			16:47																				
ZZZZZZ			16:51																				
ZZZZZZ			16:55																				
ZZZZZZ			16:59																				
ZZZZZZ			17:03																				
ZZZZZZ			17:08																				
ZZZZZZ			17:12																				
180-14677-C-11-A SD ^5	5	T	17:16	X	X	X	X	X	X														
180-14677-C-11-B MS	1	T	17:20	X	X	X	X	X	X														
180-14677-C-11-C MSD	1	T	17:25	X	X	X	X	X	X														
CCV 180-51613/35	1		17:32	X	X	X	X	X	X														
CCB3 180-51613/36	1		17:39	X	X	X	X	X	X														
ZZZZZZ			17:43																				
ZZZZZZ			17:47																				
MB 180-51073/1-A	1	R	17:55	X	X	X	X	X	X														
LCS 180-51073/2-A	1	R	17:59	X	X	X	X	X	X														
180-14654-2	1	D	18:07	X	X	X	X	X	X														

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Instrument ID: X Method: 6020A

Start Date: 10/10/2012 14:10 End Date: 10/11/2012 03:20

Lab Sample ID	D/F	Type	Time	Analytes																			
				As	Ba	Fe	Mn	Pb	V														
180-14654-2 SD	5	D	18:11	X	X	X	X	X	X														
180-14654-2 MS	1	D	18:15	X	X	X	X	X	X														
180-14654-2 MSD	1	D	18:19	X	X	X	X	X	X														
180-14654-3	1	D	18:26	X	X	X	X	X	X														
180-14654-4	1	D	18:31	X	X	X	X	X	X														
CCV 180-51613/47	1		18:38	X	X	X	X	X	X														
CCB4 180-51613/48	1		18:45	X	X	X	X	X	X														
180-14654-6	1	D	18:49	X	X	X	X	X	X														
ZZZZZZ			18:56																				
CRI 180-51613/51	1		19:04	X	X	X	X	X	X														
CRI 180-51613/52			19:08																				
ZZZZZZ			19:18																				
ZZZZZZ			19:22																				
ZZZZZZ			19:26																				
ZZZZZZ			19:31																				
ZZZZZZ			19:35																				
ZZZZZZ			19:39																				
ZZZZZZ			19:43																				
ZZZZZZ			19:47																				
CCV 180-51613/61	1		19:54	X	X	X	X	X	X														
CCB5 180-51613/62	1		20:01	X	X	X	X	X	X														
ZZZZZZ			20:06																				
ZZZZZZ			20:10																				
ZZZZZZ			20:14																				
ZZZZZZ			20:23																				
ZZZZZZ			20:27																				
ZZZZZZ			20:36																				
ZZZZZZ			20:40																				
ZZZZZZ			20:44																				
ZZZZZZ			20:49																				
ZZZZZZ			20:53																				
CCV 180-51613/73			21:00																				
CCB6 180-51613/74			21:07																				
ZZZZZZ			21:11																				
ZZZZZZ			21:16																				
ZZZZZZ			21:20																				
ZZZZZZ			21:24																				
ZZZZZZ			21:28																				
ZZZZZZ			21:33																				
ZZZZZZ			21:37																				
ZZZZZZ			21:41																				
ZZZZZZ			21:45																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Instrument ID: X Method: 6020A

Start Date: 10/10/2012 14:10 End Date: 10/11/2012 03:20

Lab Sample ID	D/F	Type	Time	Analytes																			
				As	Ba	Fe	Mn	Pb	V														
ZZZZZZ			21:50																				
CCV 180-51613/85			21:57																				
CCB7 180-51613/86			22:04																				
ZZZZZZ			22:08																				
ZZZZZZ			22:12																				
ZZZZZZ			22:17																				
ZZZZZZ			22:21																				
ZZZZZZ			22:25																				
ZZZZZZ			22:29																				
ZZZZZZ			22:34																				
ZZZZZZ			22:38																				
ZZZZZZ			22:46																				
ZZZZZZ			22:50																				
CCV 180-51613/97			22:57																				
CCB8 180-51613/98			23:05																				
ZZZZZZ			23:09																				
ZZZZZZ			23:14																				
ZZZZZZ			23:18																				
ZZZZZZ			23:22																				
ZZZZZZ			23:26																				
ZZZZZZ			23:31																				
ZZZZZZ			23:35																				
ZZZZZZ			23:39																				
ZZZZZZ			23:43																				
ZZZZZZ			23:48																				
CCV 180-51613/109			23:55																				
CCB9 180-51613/110			00:02																				
ZZZZZZ			00:06																				
ZZZZZZ			00:11																				
ZZZZZZ			00:15																				
ZZZZZZ			00:19																				
ZZZZZZ			00:23																				
ZZZZZZ			00:28																				
ZZZZZZ			00:32																				
ZZZZZZ			00:36																				
ZZZZZZ			00:40																				
ZZZZZZ			00:45																				
CCV 180-51613/121			00:52																				
CCB10 180-51613/122			00:59																				
ZZZZZZ			01:03																				
ZZZZZZ			01:08																				
ZZZZZZ			01:12																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Instrument ID: X Method: 6020A

Start Date: 10/10/2012 14:10 End Date: 10/11/2012 03:20

Lab Sample ID	D/F	Type	Time	Analytes																			
				As	Ba	Fe	Mn	Pb	V														
ZZZZZZ			01:16																				
ZZZZZZ			01:20																				
ZZZZZZ			01:25																				
ZZZZZZ			01:29																				
ZZZZZZ			01:33																				
ZZZZZZ			01:37																				
ZZZZZZ			01:42																				
CCV 180-51613/133			01:49																				
CCB11 180-51613/134			01:56																				
ZZZZZZ			02:00																				
ZZZZZZ			02:05																				
ZZZZZZ			02:09																				
ZZZZZZ			02:13																				
ZZZZZZ			02:17																				
ZZZZZZ			02:22																				
ZZZZZZ			02:26																				
ZZZZZZ			02:30																				
ZZZZZZ			02:35																				
ZZZZZZ			02:39																				
CCV 180-51613/145			02:46																				
CCB12 180-51613/146			02:53																				
ZZZZZZ			02:57																				
ZZZZZZ			03:02																				
ZZZZZZ			03:06																				
CCV 180-51613/150			03:13																				
CCB13 180-51613/151			03:20																				

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.: 180-14654-1

SDG No.:

ICP-MS Instrument ID: X Start Date: 10/10/2012 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 180-51613/2 IC	14:51	100		100		100		100		100	
STD2 180-51613/3 IC	14:56	90		94		93		89		91	
STD3 180-51613/4 IC	15:00	90		97		97		97		97	
ICV 180-51613/5	15:04	89		97		98		94		94	
ICB 180-51613/6	15:12	93		98		97		98		98	
CRI 180-51613/7	15:16	91		97		99		100		100	
CRI 180-51613/8	15:20	89		111		105		101		101	
ICSA 180-51613/9	15:24	77		88		91		87		91	
ICSAB 180-51613/10	15:29	74		88		94		88		94	
CCV 180-51613/11	15:36	85		98		101		99		102	
CCB1 180-51613/12	15:43	89		101		104		104		105	
MB 180-50753/1-A	15:47	86		98		104		104		106	
LCS 180-50753/2-A	15:51	80		87		90		91		96	
180-14654-2	15:58	71		82		95		87		93	
180-14654-3	16:03	74		83		95		88		93	
180-14654-4	16:07	73		82		93		88		94	
180-14654-6	16:11	74		86		99		92		98	
CCV 180-51613/23	16:35	83		93		95		94		96	
CCB2 180-51613/24	16:42	87		98		102		103		104	
180-14677-C-11-A SD	17:16	79		92		95		96		99	
180-14677-C-11-B MS	17:20	70		80		85		86		92	
180-14677-C-11-C	17:25	74		82		84		86		91	
CCV 180-51613/35	17:32	81		92		94		92		95	
CCB3 180-51613/36	17:39	85		94		97		98		99	
MB 180-51073/1-A	17:55	82		88		92		93		94	
LCS 180-51073/2-A	17:59	67		77		83		84		89	
180-14654-2	18:07	72		80		88		84		89	
180-14654-2 SD	18:11	77		86		93		91		95	
180-14654-2 MS	18:15	69		78		82		82		87	
180-14654-2 MSD	18:19	67		77		83		81		88	
180-14654-3	18:26	70		78		86		83		88	
180-14654-4	18:31	68		78		87		83		90	
CCV 180-51613/47	18:38	82		91		92		91		93	
CCB4 180-51613/48	18:45	86		95		97		98		98	
180-14654-6	18:49	70		83		98		88		93	
CRI 180-51613/51	19:04	85		101		90		99		93	
CCV 180-51613/61	19:54	75		91		96		94		98	
CCB5 180-51613/62	20:01	80		93		98		98		101	

FORM XV - IN

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

ICP-MS Instrument ID: X Start Date: 10/10/2012 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 180-51613/2 IC	14:51	100		100		100					
STD2 180-51613/3 IC	14:56	95		95		96					
STD3 180-51613/4 IC	15:00	98		99		101					
ICV 180-51613/5	15:04	98		99		103					
ICB 180-51613/6	15:12	99		99		102					
CRI 180-51613/7	15:16	102		103		110					
CRI 180-51613/8	15:20	104		104		112					
ICSA 180-51613/9	15:24	99		100		109					
ICSAB 180-51613/10	15:29	104		105		109					
CCV 180-51613/11	15:36	107		107		110					
CCB1 180-51613/12	15:43	108		108		113					
MB 180-50753/1-A	15:47	112		112		118					
LCS 180-50753/2-A	15:51	110		111		114					
180-14654-2	15:58	109		109		112					
180-14654-3	16:03	107		109		111					
180-14654-4	16:07	109		110		115					
180-14654-6	16:11	113		114		115					
CCV 180-51613/23	16:35	102		103		105					
CCB2 180-51613/24	16:42	109		109		117					
180-14677-C-11-A SD	17:16	107		108		109					
180-14677-C-11-B MS	17:20	106		107		108					
180-14677-C-11-C	17:25	104		106		106					
CCV 180-51613/35	17:32	102		103		106					
CCB3 180-51613/36	17:39	103		104		111					
MB 180-51073/1-A	17:55	100		102		108					
LCS 180-51073/2-A	17:59	102		103		113					
180-14654-2	18:07	102		103		109					
180-14654-2 SD	18:11	105		106		110					
180-14654-2 MS	18:15	101		102		110					
180-14654-2 MSD	18:19	102		103		110					
180-14654-3	18:26	100		102		110					
180-14654-4	18:31	104		105		112					
CCV 180-51613/47	18:38	98		100		103					
CCB4 180-51613/48	18:45	101		102		109					
180-14654-6	18:49	106		108		118					
CRI 180-51613/51	19:04	103		104		114					
CCV 180-51613/61	19:54	105		107		114					
CCB5 180-51613/62	20:01	105		106		116					

FORM XV - IN

Dilution Corrected Concentrations

STD1 586953 10/10/2012 2:51:31 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	14:52:13	99.598%	-0.003	0.082	0.018	0.000	0.085	0.001	0.040
2	14:52:54	100.481%	-0.020	0.166	0.101	0.000	-0.282	-0.168	0.014
3	14:53:36	99.921%	0.023	-0.247	-0.118	0.000	0.196	0.167	-0.054
x		100.000%	0.000	0.000	0.000	0.000	-0.000	0.000	-0.000
σ		0.447%	0.021	0.218	0.111	0.000	0.250	0.168	0.049
%RSD		0.447	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	14:52:13	0.072	0.178	0.000	1.012	3.719	0.233	100.134%	-0.029
2	14:52:54	-0.041	-0.105	0.000	-0.605	2.320	-0.421	100.139%	-0.000
3	14:53:36	-0.031	-0.073	0.000	-0.408	-6.039	0.187	99.727%	0.029
x		0.000	0.000	0.000	0.000	0.000	0.000	100.000%	-0.000
σ		0.062	0.155	0.000	0.882	5.276	0.365	0.237%	0.029
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0.237	0.000

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:52:13	-0.002	-0.007	-0.001	0.212	0.453	-0.005	0.010	-0.015
2	14:52:54	-0.012	-0.017	0.006	-0.023	0.359	-0.001	-0.016	0.012
3	14:53:36	0.014	0.023	-0.005	-0.189	-0.812	0.005	0.007	0.003
x		-0.000	-0.000	0.000	-0.000	0.000	-0.000	-0.000	-0.000
σ		0.013	0.021	0.006	0.202	0.705	0.005	0.014	0.013
%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	14:52:13	-0.033	-0.048	0.004	0.059	-0.390	0.336	0.000	-0.004
2	14:52:54	-0.012	0.009	0.037	-0.272	-0.080	-1.224	0.000	0.006
3	14:53:36	0.045	0.040	-0.041	0.213	0.469	0.888	0.000	-0.002
x		0.000	-0.000	-0.000	0.000	-0.000	-0.000	0.000	0.000
σ		0.040	0.045	0.039	0.248	0.435	1.096	0.000	0.005
%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	14:52:13	100.140%	-0.024	-0.001	99.618%	0.002	0.011	-0.042	-0.030
2	14:52:54	100.047%	0.012	-0.011	100.308%	-0.003	0.002	0.016	0.030
3	14:53:36	99.814%	0.012	0.012	100.073%	0.001	-0.013	0.026	-0.000
x		100.000%	0.000	0.000	100.000%	0.000	-0.000	-0.000	0.000
σ		0.168%	0.021	0.011	0.351%	0.003	0.012	0.036	0.030
%RSD		0.168	0.000	0.000	0.351	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	14:52:13	98.835%	-0.027	0.006	0.013	-0.017	0.002	99.372%	98.915%
2	14:52:54	100.867%	-0.176	-0.004	-0.020	0.005	-0.011	99.603%	100.757%
3	14:53:36	100.298%	0.203	-0.003	0.007	0.012	0.010	101.025%	100.328%
x		100.000%	0.000	0.000	-0.000	0.000	0.000	100.000%	100.000%
σ		1.048%	0.191	0.006	0.018	0.015	0.011	0.895%	0.964%
%RSD		1.048	0.000	0.000	0.000	0.000	0.000	0.895	0.964

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	14:52:13	0.008	0.001	0.015	-0.005	0.005	99.459%
2	14:52:54	0.004	-0.002	-0.006	0.006	-0.000	100.320%
3	14:53:36	-0.013	0.001	-0.009	-0.001	-0.005	100.221%
x		-0.000	-0.000	0.000	-0.000	-0.000	100.000%
σ		0.011	0.001	0.013	0.006	0.005	0.471%
%RSD		0.000	0.000	0.000	0.000	0.000	0.471

STD2 586955 10/10/2012 2:56:32 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	14:57:13	91.310%	198.200	0.023	0.358	0.000	99750.000	99750.000	99720.000
2	14:57:55	89.821%	198.100	-0.219	0.574	0.000	99120.000	99270.000	99410.000
3	14:58:37	87.552%	203.700	0.541	0.202	0.000	101100.000	101000.000	100900.000
x		89.561%	200.000	0.115	0.378	0.000	100000.000	100000.000	100000.000
σ		1.893%	3.181	0.388	0.187	0.000	1031.000	884.700	763.600
%RSD		2.113	1.591	337.400	49.430	0.000	1.031	0.885	0.764

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:57:13	993.400	12.750	0.000	99760.000	100300.000	100200.000	94.498%	0.084
2	14:57:55	997.200	7.966	0.000	99460.000	99380.000	99630.000	93.727%	0.054
3	14:58:37	1009.000	8.403	0.000	100800.000	100300.000	100200.000	92.648%	0.041
x		1000.000	9.708	0.000	100000.000	100000.000	100000.000	93.624%	0.060
σ		8.417	2.647	0.000	688.700	533.700	321.500	0.929%	0.022
%RSD		0.842	27.270	0.000	0.689	0.534	0.322	0.992	37.010

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:57:13	199.300	199.800	999.800	50220.000	49350.000	199.300	199.300	200.100
2	14:57:55	199.400	199.100	992.600	49780.000	51280.000	199.300	199.400	198.600
3	14:58:37	201.300	201.100	1008.000	50010.000	49370.000	201.400	201.300	201.300
x		200.000	200.000	1000.000	50000.000	50000.000	200.000	200.000	200.000
σ		1.105	1.042	7.505	219.900	1108.000	1.211	1.100	1.330
%RSD		0.552	0.521	0.751	0.440	2.216	0.606	0.550	0.665

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:57:13	200.300	199.400	197.600	198.900	197.000	199.600	0.000	199.300
2	14:57:55	199.200	199.300	198.500	198.900	198.400	198.600	0.000	199.700
3	14:58:37	200.500	201.300	203.900	202.200	204.600	201.800	0.000	200.900
x		200.000	200.000	200.000	200.000	200.000	200.000	0.000	200.000
σ		0.727	1.128	3.374	1.889	4.057	1.623	0.000	0.840
%RSD		0.363	0.564	1.687	0.945	2.029	0.812	0.000	0.420

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:57:13	93.254%	0.178	0.184	89.389%	198.100	199.000	200.700	198.100
2	14:57:55	93.189%	0.150	0.161	88.576%	201.900	201.100	200.700	201.700
3	14:58:37	91.949%	0.112	0.158	88.614%	200.000	199.900	198.600	200.200
x		92.797%	0.147	0.168	88.860%	200.000	200.000	200.000	200.000
σ		0.735%	0.033	0.014	0.459%	1.897	1.062	1.175	1.828
%RSD		0.792	22.740	8.624	0.517	0.949	0.531	0.588	0.914

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:57:13	91.722%	0.570	0.099	0.108	201.800	199.700	94.100%	95.126%
2	14:57:55	90.631%	0.131	0.121	0.070	197.600	199.600	95.499%	95.395%
3	14:58:37	91.037%	0.221	0.066	0.041	200.600	200.700	94.634%	95.314%
x		91.130%	0.307	0.095	0.073	200.000	200.000	94.744%	95.278%
σ		0.552%	0.232	0.028	0.034	2.175	0.609	0.706%	0.138%
%RSD		0.605	75.390	29.240	46.250	1.087	0.304	0.745	0.145

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	14:57:13	196.100	196.600	196.500	196.900	196.600	97.608%
2	14:57:55	200.500	200.100	200.600	199.500	199.900	96.189%
3	14:58:37	203.400	203.400	202.900	203.700	203.500	94.448%
x		200.000	200.000	200.000	200.000	200.000	96.082%
σ		3.636	3.419	3.207	3.431	3.444	1.582%
%RSD		1.818	1.709	1.603	1.716	1.722	1.647

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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	15:01:26	89.308%	0.086	202.300	201.300	0.000	47.520	36.550	35.190
2	15:02:07	89.342%	0.114	201.400	200.600	0.000	43.180	33.350	32.550
3	15:02:49	90.764%	0.056	196.300	198.100	0.000	40.750	31.310	31.760
x		89.805%	0.086	200.000	200.000	0.000	43.820	33.740	33.170
σ		0.831%	0.029	3.236	1.718	0.000	3.430	2.644	1.794
%RSD		0.925	33.980	1.618	0.859	0.000	7.829	7.838	5.408

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:01:26	8.071	10070.000	0.000	34.610	34.520	111.700	96.912%	197.200
2	15:02:07	7.614	10050.000	0.000	32.420	37.510	105.700	96.710%	201.500
3	15:02:49	7.252	9880.000	0.000	30.690	38.540	104.100	97.555%	201.300
x		7.646	10000.000	0.000	32.570	36.850	107.200	97.059%	200.000
σ		0.411	104.800	0.000	1.963	2.083	4.014	0.441%	2.404
%RSD		5.369	1.048	0.000	6.027	5.653	3.745	0.454	1.202

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:01:26	0.123	0.031	0.522	74.390	72.630	0.082	0.125	0.255
2	15:02:07	0.061	-0.012	0.512	38.590	37.390	0.082	0.186	0.190
3	15:02:49	0.082	0.065	0.492	28.410	28.000	0.066	0.119	0.149
x		0.088	0.028	0.508	47.130	46.010	0.077	0.143	0.198
σ		0.031	0.038	0.015	24.150	23.530	0.009	0.037	0.054
%RSD		35.650	136.600	3.016	51.250	51.140	11.790	25.790	27.130

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:01:26	0.281	2.588	2.925	0.329	3.560	1.661	0.000	0.229
2	15:02:07	0.231	2.635	2.527	0.247	0.205	0.713	0.000	0.218
3	15:02:49	0.224	2.552	2.036	-0.072	0.581	-0.536	0.000	0.201
x		0.246	2.592	2.496	0.168	1.449	0.613	0.000	0.216
σ		0.031	0.042	0.446	0.212	1.838	1.102	0.000	0.014
%RSD		12.700	1.614	17.850	126.300	126.900	179.800	0.000	6.579

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:01:26	95.772%	200.000	198.700	95.929%	0.328	0.369	0.197	-0.046
2	15:02:07	97.036%	199.600	200.800	97.762%	0.296	0.238	0.204	-0.426
3	15:02:49	97.632%	200.400	200.500	98.262%	0.253	0.238	0.175	-0.295
x		96.813%	200.000	200.000	97.318%	0.292	0.282	0.192	-0.256
σ		0.950%	0.386	1.097	1.229%	0.038	0.076	0.015	0.194
%RSD		0.981	0.193	0.548	1.263	12.840	26.890	7.724	75.650

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:01:26	96.272%	198.400	199.500	200.300	0.220	0.410	97.144%	97.718%
2	15:02:07	97.720%	200.700	200.200	200.400	0.194	0.487	98.269%	99.227%
3	15:02:49	97.832%	200.800	200.300	199.300	0.215	0.458	99.459%	100.461%
x		97.275%	200.000	200.000	200.000	0.209	0.452	98.291%	99.135%
σ		0.870%	1.365	0.444	0.603	0.014	0.039	1.158%	1.374%
%RSD		0.894	0.683	0.222	0.301	6.568	8.646	1.178	1.386

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:01:26	0.134	0.109	0.095	0.111	0.110	99.578%
2	15:02:07	0.115	0.090	0.085	0.089	0.087	100.143%
3	15:02:49	0.095	0.083	0.104	0.113	0.089	102.177%
x		0.115	0.094	0.095	0.105	0.095	100.633%
σ		0.020	0.013	0.009	0.013	0.013	1.367%
%RSD		17.130	13.850	9.515	12.760	13.090	1.358

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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	15:05:39	89.531%	81.450	83.070	84.230	0.000	40180.000	40170.000	40610.000
2	15:06:21	89.117%	82.730	81.430	81.450	0.000	40160.000	39660.000	39820.000
3	15:07:03	88.117%	82.210	83.120	78.460	0.000	40030.000	39470.000	39160.000
x		88.922%	102.661%	103.173%	101.725%	0.000	100.308%	99.413%	99.656%
σ		0.727%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.817	0.781	1.166	3.544	0.000	0.213	0.912	1.831

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:05:39	409.700	4350.000	0.000	40290.000	39210.000	38610.000	97.291%	82.840
2	15:06:21	403.600	4283.000	0.000	40290.000	39550.000	38800.000	96.911%	80.930
3	15:07:03	396.900	4242.000	0.000	40010.000	39210.000	38370.000	96.143%	81.770
x		100.846%	107.288%	0.000	100.492%	98.312%	96.485%	96.782%	102.305%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.585%	n/a
%RSD		1.590	1.266	0.000	0.392	0.502	0.547	0.604	1.170

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:05:39	77.230	79.570	384.400	19770.000	19410.000	79.270	80.150	80.370
2	15:06:21	78.040	80.060	386.800	19760.000	19510.000	79.320	80.430	79.930
3	15:07:03	77.350	79.290	386.100	19830.000	19580.000	79.790	79.940	81.500
x		96.922%	99.552%	96.448%	98.932%	97.504%	99.324%	100.219%	100.750%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.563	0.490	0.323	0.182	0.442	0.358	0.309	1.004

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:05:39	80.190	82.080	82.360	80.530	82.650	82.440	0.000	76.260
2	15:06:21	79.850	83.600	82.460	79.490	77.490	81.550	0.000	75.250
3	15:07:03	80.760	83.020	85.220	81.580	80.730	81.530	0.000	76.740
x		100.331%	103.623%	104.181%	100.665%	100.363%	102.299%	0.000	95.106%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.575	0.920	1.947	1.295	3.254	0.630	0.000	1.001

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:05:39	97.680%	81.480	82.000	93.267%	79.160	79.870	81.030	81.040
2	15:06:21	98.806%	79.960	81.340	94.536%	78.360	79.260	80.620	79.700
3	15:07:03	98.123%	81.280	83.320	93.734%	79.830	79.910	80.840	80.750
x		98.203%	101.133%	102.778%	93.846%	98.899%	99.603%	101.037%	100.618%
σ		0.567%	n/a	n/a	0.642%	n/a	n/a	n/a	n/a
%RSD		0.578	1.023	1.230	0.684	0.932	0.458	0.257	0.878

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:05:39	93.061%	83.490	82.710	82.370	80.580	80.060	96.400%	97.645%
2	15:06:21	94.854%	82.430	82.370	82.490	79.710	82.060	98.115%	99.012%
3	15:07:03	95.144%	82.730	82.460	82.490	79.400	81.180	99.328%	100.865%
x		94.353%	103.606%	103.142%	103.064%	99.867%	101.376%	97.948%	99.174%
σ		1.128%	n/a	n/a	n/a	n/a	n/a	1.471%	1.616%
%RSD		1.196	0.656	0.215	0.081	0.768	1.233	1.502	1.630

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:05:39	81.680	81.060	78.570	78.610	78.680	102.455%
2	15:06:21	83.950	82.670	80.570	80.190	80.430	102.340%
3	15:07:03	83.680	82.040	80.830	80.150	80.210	103.681%
x		103.882%	102.406%	99.988%	99.566%	99.715%	102.825%
σ		n/a	n/a	n/a	n/a	n/a	0.743%
%RSD		1.490	0.991	1.543	1.129	1.197	0.723

ICB 10/10/2012 3:12:07 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	15:12:49	92.355%	0.009	0.712	0.871	0.000	1.170	0.263	0.285
2	15:13:31	93.057%	-0.010	0.601	0.717	0.000	0.583	0.145	-0.003
3	15:14:12	93.763%	-0.019	0.441	0.552	0.000	0.266	0.054	0.105
x		93.058%	-0.006	0.585	0.713	0.000	0.673	0.154	0.129
σ		0.704%	0.014	0.136	0.159	0.000	0.459	0.105	0.145
%RSD		0.757	218.600	23.260	22.350	0.000	68.180	68.210	113.000

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:12:49	-0.225	1.423	0.000	1.651	-4.572	-0.195	97.717%	-0.057
2	15:13:31	-0.154	1.413	0.000	1.473	8.355	0.997	97.478%	-0.057
3	15:14:12	-0.264	0.767	0.000	1.262	5.450	0.972	97.705%	-0.057
x		-0.214	1.201	0.000	1.462	3.078	0.591	97.633%	-0.057
σ		0.056	0.376	0.000	0.195	6.783	0.681	0.134%	0.000
%RSD		26.060	31.280	0.000	13.310	220.400	115.200	0.138	0.124

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:12:49	-0.004	-0.020	-0.002	3.281	8.138	-0.003	-0.002	-0.016
2	15:13:31	0.002	-0.012	-0.001	0.129	5.014	-0.005	0.013	-0.045
3	15:14:12	0.012	0.000	-0.000	-2.280	2.951	-0.006	0.017	0.025
x		0.003	-0.010	-0.001	0.377	5.368	-0.005	0.009	-0.012
σ		0.008	0.010	0.001	2.788	2.612	0.001	0.010	0.035
%RSD		243.900	97.140	90.490	740.200	48.660	26.160	109.000	294.700

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:12:49	-0.018	-0.162	-0.070	0.128	1.030	0.707	0.000	-0.001
2	15:13:31	-0.025	-0.053	-0.229	0.115	0.388	0.518	0.000	-0.003
3	15:14:12	-0.049	-0.228	-0.237	0.163	0.549	0.797	0.000	-0.005
x		-0.031	-0.148	-0.179	0.135	0.656	0.674	0.000	-0.003
σ		0.016	0.089	0.095	0.025	0.334	0.143	0.000	0.002
%RSD		53.370	59.980	52.960	18.390	50.970	21.140	0.000	59.490

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:12:49	96.551%	0.317	0.412	97.456%	0.074	0.069	0.018	-0.015
2	15:13:31	97.428%	0.279	0.301	98.657%	0.055	0.066	-0.033	-0.038
3	15:14:12	97.292%	0.235	0.280	98.810%	0.056	0.036	0.005	-0.003
x		97.090%	0.277	0.331	98.308%	0.062	0.057	-0.003	-0.019
σ		0.472%	0.041	0.071	0.741%	0.011	0.019	0.027	0.018
%RSD		0.486	14.850	21.420	0.754	17.350	32.630	803.000	97.810

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:12:49	96.860%	-0.286	-0.125	-0.131	-0.002	0.020	97.489%	98.119%
2	15:13:31	97.260%	-0.510	-0.119	-0.135	0.028	-0.007	98.906%	99.471%
3	15:14:12	99.074%	-0.703	-0.138	-0.157	0.012	-0.011	100.358%	100.487%
x		97.731%	-0.500	-0.127	-0.141	0.013	0.001	98.918%	99.359%
σ		1.180%	0.209	0.009	0.014	0.015	0.017	1.434%	1.188%
%RSD		1.207	41.820	7.467	9.919	115.200	3079.000	1.450	1.195

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:12:49	-0.002	0.007	0.001	-0.004	0.000	101.287%
2	15:13:31	0.008	-0.001	-0.008	0.004	0.001	102.100%
3	15:14:12	0.005	0.003	-0.018	-0.010	-0.009	103.088%
x		0.004	0.003	-0.008	-0.003	-0.002	102.158%
σ		0.005	0.004	0.010	0.007	0.006	0.902%
%RSD		128.700	135.300	112.100	213.300	231.800	0.883

CRI 571908 10/10/2012 3:16:23 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	15:17:05	92.701%	1.031	5.855	6.211	0.000	108.500	102.600	100.100
2	15:17:46	91.317%	1.065	5.794	5.391	0.000	109.700	99.340	101.700
3	15:18:28	90.316%	0.937	5.772	5.208	0.000	112.200	100.500	103.500
x		91.445%	101.091%	116.137%	112.061%	0.000	137.665%	100.808%	101.784%
σ		1.198%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.310	6.548	0.737	9.535	0.000	1.705	1.621	1.648

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:17:05	30.370	498.400	0.000	104.800	94.480	102.900	97.522%	4.448
2	15:17:46	30.180	500.400	0.000	103.600	112.900	100.200	97.857%	4.593
3	15:18:28	30.820	502.900	0.000	106.000	93.220	100.700	96.019%	5.586
x		101.525%	100.110%	0.000	104.791%	100.185%	101.281%	97.133%	97.515%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.979%	n/a
%RSD		1.067	0.449	0.000	1.187	10.970	1.409	1.008	12.700

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:17:05	1.040	2.035	4.903	51.690	54.750	0.494	1.021	2.395
2	15:17:46	0.884	1.890	4.797	49.660	53.240	0.524	1.023	2.375
3	15:18:28	0.919	2.107	4.977	51.600	54.100	0.552	1.062	2.304
x		94.748%	100.525%	97.845%	101.968%	108.059%	104.653%	103.514%	117.887%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		8.650	5.512	1.844	2.243	1.393	5.476	2.259	2.033

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:17:05	2.599	7.024	6.843	0.723	5.349	4.833	0.000	4.780
2	15:17:46	2.361	6.986	7.220	1.083	3.995	5.392	0.000	4.846
3	15:18:28	2.267	6.884	7.435	0.923	5.273	5.434	0.000	4.657
x		120.456%	139.295%	143.322%	90.968%	97.446%	104.387%	0.000	95.215%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		7.109	1.040	4.180	19.820	15.620	6.430	0.000	2.018

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:17:05	97.334%	4.306	4.270	98.288%	0.972	0.947	1.079	1.001
2	15:17:46	99.075%	4.097	4.158	99.930%	1.036	0.932	0.854	0.903
3	15:18:28	99.518%	4.404	4.238	100.402%	0.971	0.917	0.889	0.893
x		98.642%	85.380%	84.438%	99.540%	99.306%	93.200%	94.055%	93.220%
σ		1.155%	n/a	n/a	1.110%	n/a	n/a	n/a	n/a
%RSD		1.170	3.670	1.366	1.115	3.733	1.614	12.890	6.403

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:17:05	97.933%	4.468	1.550	1.696	9.747	9.620	100.233%	100.122%
2	15:17:46	99.390%	4.180	1.767	1.735	9.696	10.070	102.147%	103.102%
3	15:18:28	101.683%	3.708	1.558	1.533	9.648	9.329	105.046%	105.382%
x		99.669%	82.371%	81.243%	82.723%	96.972%	96.723%	102.475%	102.869%
σ		1.891%	n/a	n/a	n/a	n/a	n/a	2.423%	2.638%
%RSD		1.897	9.315	7.574	6.483	0.513	3.845	2.365	2.564

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:17:05	0.932	0.946	1.004	0.966	0.995	109.095%
2	15:17:46	0.915	0.929	0.984	1.035	0.998	110.334%
3	15:18:28	1.005	0.991	0.972	1.012	1.010	110.840%
x		95.079%	95.542%	98.664%	100.427%	100.120%	110.090%
σ		n/a	n/a	n/a	n/a	n/a	0.898%
%RSD		4.995	3.370	1.605	3.477	0.783	0.816

CRI 571908 10/10/2012 3:20:38 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	15:21:19	88.923%	0.914	5.063	5.587	0.000	107.300	98.880	97.270
2	15:22:01	88.808%	1.055	5.323	4.939	0.000	107.500	103.100	98.980
3	15:22:43	88.166%	0.892	5.881	5.272	0.000	109.300	100.300	98.460
x		88.632%	95.377%	108.450%	105.321%	0.000	135.080%	100.760%	98.238%
σ		0.408%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.460	9.303	7.708	6.159	0.000	1.024	2.136	0.889

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:21:19	29.590	478.000	0.000	87.460	107.800	92.050	110.400%	4.349
2	15:22:01	29.330	476.300	0.000	87.050	94.150	88.160	111.390%	3.996
3	15:22:43	28.770	481.800	0.000	88.100	72.520	88.610	111.498%	4.410
x		97.425%	95.737%	0.000	87.537%	91.487%	89.606%	111.096%	85.030%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.605%	n/a
%RSD		1.437	0.590	0.000	0.603	19.440	2.374	0.545	5.261

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:21:19	0.799	1.651	4.352	37.090	44.090	0.470	0.956	2.118
2	15:22:01	0.817	1.684	4.505	35.780	42.040	0.440	1.033	2.117
3	15:22:43	0.769	1.784	4.346	36.130	42.280	0.498	0.967	1.943
x		79.508%	85.326%	88.018%	72.671%	85.611%	93.886%	98.553%	102.978%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		3.043	4.073	2.057	1.873	2.616	6.188	4.236	4.897

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:21:19	2.130	6.317	6.559	0.417	4.326	3.012	0.000	4.548
2	15:22:01	2.061	6.484	6.657	-0.032	4.171	1.528	0.000	4.600
3	15:22:43	2.181	6.625	6.217	-0.101	3.374	0.927	0.000	4.495
x		106.190%	129.509%	129.556%	9.459%	79.142%	36.444%	0.000	90.952%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		2.821	2.378	3.562	297.700	12.920	58.910	0.000	1.150

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:21:19	104.381%	4.195	4.031	100.271%	0.977	0.994	1.144	1.007
2	15:22:01	104.879%	4.370	4.282	100.833%	0.941	0.989	1.034	1.023
3	15:22:43	105.129%	4.316	4.349	101.473%	1.012	1.001	1.019	0.966
x		104.796%	85.878%	84.417%	100.859%	97.664%	99.452%	106.551%	99.882%
σ		0.381%	n/a	n/a	0.601%	n/a	n/a	n/a	n/a
%RSD		0.363	2.082	3.970	0.596	3.644	0.572	6.439	2.943

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:21:19	99.214%	4.581	1.703	1.787	9.525	9.884	102.972%	103.358%
2	15:22:01	100.785%	4.444	1.668	1.570	9.773	9.550	104.052%	105.333%
3	15:22:43	101.511%	4.529	1.596	1.629	9.566	9.194	103.951%	104.094%
x		100.503%	90.359%	82.772%	83.100%	96.212%	95.426%	103.658%	104.261%
σ		1.174%	n/a	n/a	n/a	n/a	n/a	0.596%	0.998%
%RSD		1.168	1.528	3.296	6.729	1.382	3.617	0.575	0.957

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:21:19	0.991	0.959	0.996	1.097	1.011	112.028%
2	15:22:01	0.955	0.932	1.020	0.990	1.015	112.313%
3	15:22:43	1.026	0.955	1.047	1.040	1.006	110.465%
x		99.047%	94.863%	102.098%	104.249%	101.069%	111.602%
σ		n/a	n/a	n/a	n/a	n/a	0.995%
%RSD		3.606	1.553	2.477	5.146	0.429	0.892

ICSA 576788 10/10/2012 3:24:53 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	15:25:34	78.522%	0.006	1.175	1.461	0.000	102900.000	101700.000	101700.000
2	15:26:16	77.728%	0.050	0.368	1.242	0.000	103300.000	101700.000	101300.000
3	15:26:57	74.661%	0.008	0.789	1.025	0.000	105000.000	102700.000	102700.000
x		76.970%	0.021	0.777	1.242	0.000	103700.000	102000.000	101900.000
σ		2.039%	0.025	0.404	0.218	0.000	1148.000	593.800	705.800
%RSD		2.649	115.700	51.940	17.550	0.000	1.107	0.582	0.693

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:25:34	99830.000	23.040	0.000	100100.000	100100.000	99600.000	88.656%	2156.000
2	15:26:16	99190.000	22.450	0.000	100300.000	100600.000	99680.000	88.073%	2157.000
3	15:26:57	101000.000	22.370	0.000	101500.000	101500.000	100800.000	87.411%	2202.000
x		100000.000	22.620	0.000	100600.000	100700.000	100000.000	88.047%	2172.000
σ		937.300	0.366	0.000	759.400	729.600	678.200	0.623%	26.590
%RSD		0.937	1.619	0.000	0.755	0.724	0.678	0.708	1.225

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:25:34	-0.167	0.032	0.541	100800.000	98930.000	0.185	0.599	0.960
2	15:26:16	-0.164	0.029	0.545	100900.000	99160.000	0.163	0.630	0.923
3	15:26:57	0.043	-0.032	0.514	102000.000	100800.000	0.159	0.688	0.843
x		-0.096	0.010	0.533	101200.000	99640.000	0.169	0.639	0.909
σ		0.121	0.036	0.017	672.900	1047.000	0.014	0.045	0.060
%RSD		125.400	371.500	3.163	0.665	1.051	8.223	7.064	6.611

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:25:34	1.386	4.352	3.104	-0.130	-0.744	-2.066	0.000	0.491
2	15:26:16	1.422	4.136	2.965	-0.342	-0.550	-3.492	0.000	0.478
3	15:26:57	1.240	4.256	3.107	0.225	-0.491	-1.270	0.000	0.477
x		1.349	4.248	3.059	-0.082	-0.595	-2.276	0.000	0.482
σ		0.097	0.108	0.081	0.286	0.132	1.126	0.000	0.008
%RSD		7.166	2.550	2.657	347.800	22.250	49.460	0.000	1.566

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:25:34	90.586%	2078.000	2164.000	86.583%	0.544	0.566	0.987	0.697
2	15:26:16	91.528%	2098.000	2194.000	87.099%	0.479	0.445	1.312	0.754
3	15:26:57	91.841%	2105.000	2213.000	87.602%	0.371	0.377	0.949	0.531
x		91.318%	2094.000	2190.000	87.095%	0.465	0.463	1.082	0.661
σ		0.653%	13.900	24.730	0.510%	0.087	0.095	0.200	0.116
%RSD		0.715	0.664	1.129	0.585	18.800	20.600	18.460	17.570

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:25:34	89.995%	9.077	0.203	0.160	0.286	0.289	96.173%	97.483%
2	15:26:16	91.226%	6.929	0.229	0.106	0.294	0.223	99.557%	100.122%
3	15:26:57	92.572%	5.773	0.224	0.171	0.290	0.215	100.971%	101.985%
x		91.264%	7.259	0.219	0.146	0.290	0.243	98.900%	99.863%
σ		1.289%	1.676	0.014	0.034	0.004	0.041	2.465%	2.262%
%RSD		1.412	23.090	6.312	23.680	1.481	16.700	2.493	2.265

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:25:34	0.050	0.025	0.149	0.154	0.150	112.502%
2	15:26:16	0.026	0.030	0.165	0.175	0.159	108.191%
3	15:26:57	0.016	0.029	0.147	0.164	0.148	106.574%
x		0.031	0.028	0.154	0.165	0.152	109.089%
σ		0.017	0.002	0.010	0.011	0.006	3.064%
%RSD		56.890	8.757	6.526	6.450	4.021	2.809

ICSAB 576789 10/10/2012 3:29:09 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	15:29:50	74.773%	22.200	48.530	48.890	0.000	109800.000	107600.000	106800.000
2	15:30:32	74.194%	22.040	52.090	45.810	0.000	108400.000	105600.000	105000.000
3	15:31:13	72.441%	22.050	50.780	49.160	0.000	110400.000	106400.000	106300.000
x		73.803%	110.502%	100.935%	95.909%	0.000	109.510%	106.538%	106.030%
σ		1.214%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.645	0.406	3.559	3.876	0.000	0.920	0.907	0.862

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:29:50	105200.000	573.100	0.000	106600.000	105300.000	105400.000	87.293%	2284.000
2	15:30:32	103400.000	566.300	0.000	104500.000	104200.000	104600.000	87.587%	2250.000
3	15:31:13	104200.000	571.800	0.000	105100.000	106100.000	104200.000	87.786%	2259.000
x		104.282%	114.087%	0.000	105.387%	105.201%	104.731%	87.555%	113.227%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.248%	n/a
%RSD		0.860	0.631	0.000	1.048	0.900	0.612	0.284	0.775

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:29:50	21.450	21.840	21.150	107400.000	106200.000	21.370	21.950	21.390
2	15:30:32	20.900	21.380	21.330	105900.000	105200.000	21.340	21.680	21.050
3	15:31:13	21.200	21.200	21.620	106000.000	105100.000	21.140	21.350	21.340
x		105.928%	107.376%	106.831%	106.428%	105.467%	106.405%	108.291%	106.303%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.305	1.545	1.124	0.788	0.581	0.597	1.397	0.864

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:29:50	22.210	28.290	27.180	22.880	53.010	55.820	0.000	21.260
2	15:30:32	22.800	28.270	27.670	22.560	54.870	55.510	0.000	20.930
3	15:31:13	21.730	29.150	27.330	22.470	51.750	54.680	0.000	21.070
x		111.227%	114.277%	109.579%	113.181%	106.419%	110.672%	0.000	105.419%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		2.415	1.764	0.922	0.965	2.948	1.061	0.000	0.790

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:29:50	92.372%	2209.000	2330.000	88.117%	21.000	21.160	22.230	22.100
2	15:30:32	93.838%	2232.000	2363.000	87.801%	21.870	21.660	22.620	21.500
3	15:31:13	94.426%	2241.000	2375.000	88.429%	21.420	21.380	22.930	21.980
x		93.545%	111.369%	117.799%	88.116%	107.146%	106.986%	112.947%	109.291%
σ		1.058%	n/a	n/a	0.314%	n/a	n/a	n/a	n/a
%RSD		1.131	0.746	0.987	0.357	2.010	1.176	1.555	1.453

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:29:50	93.466%	110.600	21.550	21.480	20.810	22.000	102.544%	103.784%
2	15:30:32	94.078%	111.400	21.830	22.190	20.990	21.120	104.405%	105.104%
3	15:31:13	93.797%	113.300	22.220	22.160	21.780	21.210	105.422%	105.668%
x		93.780%	111.796%	109.338%	109.709%	105.972%	107.208%	104.123%	104.852%
σ		0.307%	n/a	n/a	n/a	n/a	n/a	1.459%	0.967%
%RSD		0.327	1.257	1.552	1.809	2.446	2.261	1.402	0.922

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:29:50	20.860	20.170	21.170	21.320	21.390	108.694%
2	15:30:32	21.580	21.160	21.970	22.260	22.100	108.271%
3	15:31:13	21.310	21.130	22.350	22.120	22.230	108.817%
x		106.242%	104.109%	109.157%	109.500%	109.528%	108.594%
σ		n/a	n/a	n/a	n/a	n/a	0.286%
%RSD		1.728	2.713	2.757	2.317	2.065	0.264

CCV 586960 10/10/2012 3:36:17 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	15:36:59	85.901%	103.100	95.390	95.710	0.000	50180.000	49750.000	49950.000
2	15:37:40	84.638%	102.800	92.290	92.980	0.000	50250.000	49860.000	49900.000
3	15:38:22	83.754%	102.800	91.990	91.260	0.000	50640.000	49880.000	49740.000
x		84.764%	102.916%	93.225%	93.319%	0.000	100.710%	99.663%	99.724%
σ		1.079%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.273	0.156	2.020	2.403	0.000	0.487	0.137	0.225

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:36:59	509.200	4960.000	0.000	48530.000	48390.000	48090.000	98.429%	99.030
2	15:37:40	504.800	4948.000	0.000	48740.000	48560.000	47910.000	97.979%	98.960
3	15:38:22	499.400	4902.000	0.000	48770.000	48560.000	48080.000	97.842%	98.980
x		100.890%	98.735%	0.000	97.358%	97.007%	96.058%	98.083%	98.988%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.307%	n/a
%RSD		0.979	0.619	0.000	0.272	0.201	0.211	0.313	0.035

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:36:59	95.150	96.690	476.300	24340.000	24650.000	97.660	98.170	97.690
2	15:37:40	95.420	97.860	482.500	24430.000	24850.000	99.100	99.150	97.310
3	15:38:22	94.820	97.710	482.500	24480.000	24960.000	98.890	99.990	98.480
x		95.128%	97.420%	96.086%	97.670%	99.289%	98.552%	99.104%	97.828%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.316	0.652	0.744	0.290	0.630	0.788	0.922	0.609

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:36:59	99.160	102.200	101.100	99.380	97.620	97.250	0.000	96.070
2	15:37:40	99.540	101.800	103.300	98.490	101.500	99.940	0.000	95.850
3	15:38:22	98.920	102.800	101.700	97.630	99.480	103.000	0.000	96.460
x		99.207%	102.292%	102.038%	98.501%	99.547%	100.077%	0.000	96.128%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.317	0.510	1.107	0.887	1.966	2.894	0.000	0.322

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:36:59	99.772%	102.400	104.400	98.030%	97.330	96.540	98.750	96.950
2	15:37:40	101.033%	102.500	104.700	98.728%	97.350	96.680	97.380	97.860
3	15:38:22	101.345%	102.900	104.900	98.922%	98.820	97.650	99.680	98.600
x		100.717%	102.599%	104.664%	98.560%	97.832%	96.958%	98.603%	97.803%
σ		0.832%	n/a	n/a	0.469%	n/a	n/a	n/a	n/a
%RSD		0.826	0.295	0.251	0.476	0.871	0.622	1.175	0.844

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:36:59	100.539%	97.710	97.130	98.420	95.750	95.770	105.372%	106.150%
2	15:37:40	101.934%	97.080	97.960	97.930	94.740	96.240	106.505%	107.478%
3	15:38:22	102.154%	98.050	98.330	98.090	95.860	96.760	108.521%	108.311%
x		101.542%	97.614%	97.807%	98.149%	95.450%	96.255%	106.800%	107.313%
σ		0.876%	n/a	n/a	n/a	n/a	n/a	1.595%	1.090%
%RSD		0.863	0.505	0.628	0.251	0.647	0.517	1.493	1.016

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:36:59	100.400	99.280	100.700	101.100	101.000	108.344%
2	15:37:40	100.800	100.400	101.400	102.000	102.100	109.901%
3	15:38:22	102.100	101.000	102.000	101.800	102.200	110.483%
x		101.142%	100.206%	101.380%	101.627%	101.769%	109.576%
σ		n/a	n/a	n/a	n/a	n/a	1.106%
%RSD		0.870	0.849	0.635	0.479	0.637	1.009

CCB1 10/10/2012 3:43:26 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	15:44:07	89.198%	0.001	0.451	0.336	0.000	6.472	1.616	1.385
2	15:44:49	89.093%	0.039	0.660	0.202	0.000	5.827	1.415	0.876
3	15:45:30	89.361%	0.020	0.295	0.063	0.000	5.735	0.884	0.875
x		89.217%	0.020	0.469	0.200	0.000	6.012	1.305	1.045
σ		0.135%	0.019	0.183	0.136	0.000	0.402	0.378	0.294
%RSD		0.152	95.630	39.080	68.020	0.000	6.682	28.980	28.120

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:44:07	1.223	0.041	0.000	11.030	2.313	1.491	100.897%	0.013
2	15:44:49	0.778	0.029	0.000	11.320	2.347	0.958	100.531%	-0.030
3	15:45:30	0.458	-0.028	0.000	10.220	2.352	0.557	100.458%	-0.015
x		0.820	0.014	0.000	10.860	2.337	1.002	100.629%	-0.011
σ		0.384	0.036	0.000	0.573	0.021	0.468	0.235%	0.022
%RSD		46.850	260.400	0.000	5.277	0.912	46.720	0.234	206.900

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:44:07	0.017	0.009	0.005	10.450	12.890	0.006	-0.032	-0.007
2	15:44:49	-0.005	-0.022	0.009	5.795	8.566	-0.004	0.004	-0.004
3	15:45:30	0.016	-0.042	0.012	3.064	7.115	-0.002	0.008	-0.025
x		0.009	-0.018	0.009	6.438	9.525	0.000	-0.007	-0.012
σ		0.013	0.026	0.004	3.737	3.006	0.005	0.022	0.011
%RSD		136.900	141.400	43.580	58.040	31.560	12320.000	333.100	95.050

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:44:07	-0.031	-0.065	-0.120	-0.257	1.103	-1.133	0.000	-0.002
2	15:44:49	-0.042	-0.108	-0.187	-0.103	0.705	-0.502	0.000	-0.002
3	15:45:30	-0.081	-0.101	-0.144	-0.155	2.372	-0.823	0.000	0.003
x		-0.051	-0.091	-0.150	-0.172	1.393	-0.819	0.000	-0.000
σ		0.026	0.023	0.034	0.078	0.870	0.316	0.000	0.003
%RSD		50.770	25.430	22.770	45.620	62.480	38.510	0.000	851.400

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:44:07	102.615%	1.422	1.403	103.442%	-0.006	-0.021	0.034	0.048
2	15:44:49	104.393%	1.249	1.152	104.820%	-0.015	-0.016	0.043	0.031
3	15:45:30	104.105%	0.955	1.068	104.866%	-0.019	-0.019	0.006	0.025
x		103.704%	1.209	1.208	104.376%	-0.013	-0.019	0.028	0.035
σ		0.954%	0.236	0.174	0.809%	0.006	0.003	0.020	0.012
%RSD		0.920	19.510	14.430	0.775	47.530	13.920	71.110	34.190

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:44:07	103.617%	-0.233	-0.140	-0.128	-0.003	0.017	106.424%	105.990%
2	15:44:49	105.341%	-0.271	-0.152	-0.171	-0.011	0.004	107.670%	108.355%
3	15:45:30	105.828%	-0.520	-0.156	-0.165	0.010	-0.004	109.109%	109.673%
x		104.928%	-0.341	-0.149	-0.155	-0.001	0.005	107.734%	108.006%
σ		1.162%	0.156	0.008	0.023	0.010	0.011	1.343%	1.866%
%RSD		1.107	45.620	5.633	15.040	747.400	196.000	1.247	1.728

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:44:07	0.037	0.028	0.006	-0.001	0.008	111.192%
2	15:44:49	0.016	0.016	-0.003	-0.010	-0.005	113.661%
3	15:45:30	0.015	0.019	-0.006	-0.009	-0.003	114.501%
x		0.023	0.021	-0.001	-0.007	-0.000	113.118%
σ		0.013	0.006	0.006	0.005	0.007	1.720%
%RSD		54.810	30.000	597.000	74.130	35130.000	1.521

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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	15:48:22	87.534%	0.050	0.007	0.146	0.000	18.700	8.494	8.937
2	15:49:03	85.629%	0.111	0.027	0.178	0.000	29.100	18.260	17.810
3	15:49:45	84.793%	0.013	-0.018	-0.009	0.000	26.250	13.600	14.260
x		85.985%	0.058	0.005	0.105	0.000	24.690	13.450	13.670
σ		1.405%	0.049	0.023	0.100	0.000	5.374	4.883	4.467
%RSD		1.634	85.590	419.400	95.070	0.000	21.770	36.310	32.680

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:48:22	4.971	0.649	0.000	30.920	8.463	4.837	97.126%	0.138
2	15:49:03	9.591	0.889	0.000	39.500	12.770	12.960	97.382%	0.211
3	15:49:45	7.920	0.429	0.000	35.530	9.808	10.430	97.919%	0.091
x		7.494	0.655	0.000	35.320	10.350	9.408	97.476%	0.147
σ		2.339	0.230	0.000	4.293	2.206	4.157	0.404%	0.061
%RSD		31.210	35.140	0.000	12.160	21.320	44.180	0.415	41.370

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:48:22	0.130	0.096	0.152	12.820	11.600	0.005	0.041	0.072
2	15:49:03	0.095	0.047	0.284	16.290	19.660	0.019	0.014	0.082
3	15:49:45	0.142	0.063	0.260	11.390	12.120	0.016	0.028	0.087
x		0.122	0.069	0.232	13.500	14.460	0.013	0.028	0.080
σ		0.024	0.025	0.071	2.522	4.508	0.008	0.014	0.008
%RSD		19.810	36.330	30.430	18.680	31.180	58.030	48.760	9.627

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:48:22	0.029	0.584	0.458	-0.186	-0.140	-0.868	0.000	0.037
2	15:49:03	0.037	1.026	0.862	0.063	0.538	-0.347	0.000	0.095
3	15:49:45	-0.004	0.848	0.628	0.076	0.169	-0.198	0.000	0.080
x		0.021	0.819	0.649	-0.016	0.189	-0.471	0.000	0.071
σ		0.022	0.223	0.203	0.148	0.340	0.351	0.000	0.030
%RSD		103.900	27.160	31.240	938.500	179.300	74.630	0.000	42.920

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:48:22	102.387%	0.997	1.143	102.839%	0.050	0.022	-0.073	-0.081
2	15:49:03	103.924%	0.977	1.144	103.659%	0.021	0.024	-0.068	-0.047
3	15:49:45	104.525%	0.877	0.969	104.680%	0.021	0.008	0.034	0.069
x		103.612%	0.951	1.085	103.726%	0.031	0.018	-0.036	-0.020
σ		1.103%	0.064	0.101	0.922%	0.016	0.009	0.061	0.079
%RSD		1.064	6.746	9.297	0.889	53.750	48.490	170.500	396.400

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:48:22	104.279%	2.306	-0.142	-0.155	0.031	-0.012	109.412%	109.811%
2	15:49:03	105.998%	1.612	-0.128	-0.112	0.009	0.031	111.713%	112.048%
3	15:49:45	107.390%	1.695	-0.112	-0.136	0.042	0.026	113.801%	113.276%
x		105.889%	1.871	-0.127	-0.134	0.028	0.015	111.642%	111.712%
σ		1.558%	0.379	0.015	0.022	0.017	0.024	2.195%	1.757%
%RSD		1.471	20.260	11.730	16.010	60.580	158.400	1.966	1.573

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:48:22	0.043	0.037	0.017	0.022	0.015	120.420%
2	15:49:03	0.053	0.038	0.023	0.010	0.016	117.601%
3	15:49:45	0.025	0.031	0.016	0.031	0.027	116.621%
x		0.040	0.036	0.019	0.021	0.019	118.214%
σ		0.014	0.004	0.004	0.010	0.007	1.972%
%RSD		35.470	10.340	19.770	48.290	36.290	1.668

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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	15:52:33	81.332%	45.050	826.400	813.900	0.000	47230.000	44990.000	45060.000
2	15:53:15	79.759%	46.310	836.300	828.800	0.000	47820.000	45260.000	45500.000
3	15:53:57	79.055%	45.300	843.800	836.700	0.000	47910.000	45370.000	45480.000
x		80.048%	45.550	835.500	826.500	0.000	47650.000	45200.000	45350.000
σ		1.166%	0.670	8.683	11.600	0.000	370.000	196.400	249.400
%RSD		1.456	1.472	1.039	1.404	0.000	0.777	0.434	0.550

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:52:33	1846.000	8485.000	0.000	46140.000	46850.000	46270.000	87.061%	958.000
2	15:53:15	1858.000	8562.000	0.000	46120.000	47580.000	46980.000	86.288%	961.500
3	15:53:57	1855.000	8547.000	0.000	46250.000	47300.000	47260.000	86.489%	949.300
x		1853.000	8531.000	0.000	46170.000	47250.000	46840.000	86.613%	956.300
σ		6.163	41.240	0.000	74.280	371.000	510.200	0.401%	6.249
%RSD		0.333	0.483	0.000	0.161	0.785	1.089	0.463	0.654

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:52:33	489.900	194.200	485.600	1047.000	1174.000	501.900	493.400	237.900
2	15:53:15	492.700	196.400	488.000	1055.000	1209.000	507.100	495.200	239.000
3	15:53:57	487.300	197.100	489.200	1051.000	1196.000	505.500	496.200	241.200
x		490.000	195.900	487.600	1051.000	1193.000	504.800	494.900	239.300
σ		2.703	1.482	1.822	4.048	17.700	2.663	1.431	1.680
%RSD		0.552	0.757	0.374	0.385	1.484	0.528	0.289	0.702

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:52:33	249.000	502.700	502.000	36.440	8.790	7.787	0.000	989.300
2	15:53:15	247.500	502.700	500.800	37.900	6.173	9.400	0.000	991.700
3	15:53:57	250.200	504.000	503.700	38.110	8.094	9.762	0.000	998.700
x		248.900	503.100	502.200	37.480	7.686	8.983	0.000	993.200
σ		1.325	0.728	1.456	0.907	1.355	1.052	0.000	4.878
%RSD		0.532	0.145	0.290	2.419	17.630	11.710	0.000	0.491

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:52:33	90.405%	989.500	1036.000	91.143%	49.020	47.820	48.890	41.250
2	15:53:15	90.628%	999.300	1043.000	91.362%	48.120	47.240	49.390	42.890
3	15:53:57	89.764%	1004.000	1050.000	90.481%	48.420	47.270	49.450	41.600
x		90.266%	997.700	1043.000	90.996%	48.520	47.440	49.240	41.910
σ		0.449%	7.569	7.190	0.459%	0.455	0.323	0.309	0.860
%RSD		0.497	0.759	0.689	0.504	0.937	0.681	0.627	2.053

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:52:33	95.546%	2185.000	480.000	483.300	1822.000	1873.000	109.384%	110.864%
2	15:53:15	95.998%	2140.000	480.000	486.200	1814.000	1884.000	110.355%	111.873%
3	15:53:57	95.513%	2113.000	480.900	485.700	1813.000	1883.000	109.979%	110.730%
x		95.686%	2146.000	480.300	485.100	1816.000	1880.000	109.906%	111.156%
σ		0.271%	36.440	0.540	1.561	4.937	6.178	0.489%	0.625%
%RSD		0.284	1.698	0.113	0.322	0.272	0.329	0.445	0.562

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:52:33	48.530	47.390	20.100	19.580	19.800	114.345%
2	15:53:15	49.740	48.590	20.260	20.080	20.260	113.536%
3	15:53:57	49.860	49.000	20.420	20.490	20.520	112.617%
x		49.380	48.330	20.260	20.050	20.200	113.500%
σ		0.733	0.836	0.159	0.454	0.365	0.865%
%RSD		1.484	1.730	0.785	2.266	1.807	0.762

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:59:39	72.818%	0.252	48.130	48.510	0.000	84300.000	28570.000	28680.000
2	16:00:21	71.802%	0.385	46.930	47.010	0.000	85490.000	28870.000	28980.000
3	16:01:03	69.729%	0.409	46.570	44.580	0.000	85980.000	28590.000	28800.000
x		71.450%	0.349	47.210	46.700	0.000	85260.000	28680.000	28820.000
σ		1.574%	0.084	0.815	1.984	0.000	864.700	170.600	149.800
%RSD		2.204	24.200	1.727	4.247	0.000	1.014	0.595	0.520

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:59:39	5614.000	11570.000	0.000	3258.000	114300.000	116200.000	82.147%	79.390
2	16:00:21	5676.000	11630.000	0.000	3327.000	117200.000	117300.000	81.553%	81.350
3	16:01:03	5635.000	11600.000	0.000	3268.000	114400.000	115300.000	81.822%	80.250
x		5642.000	11600.000	0.000	3285.000	115300.000	116300.000	81.841%	80.330
σ		31.440	28.110	0.000	37.180	1618.000	974.800	0.298%	0.985
%RSD		0.557	0.242	0.000	1.132	1.403	0.838	0.364	1.227

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:59:39	12.050	10.160	1359.000	8905.000	9345.000	5.854	12.030	18.920
2	16:00:21	12.040	10.270	1377.000	9013.000	9465.000	6.099	11.520	18.920
3	16:01:03	12.260	9.913	1359.000	8793.000	9323.000	6.070	11.900	18.880
x		12.120	10.110	1365.000	8904.000	9378.000	6.008	11.820	18.900
σ		0.123	0.182	10.180	110.100	76.520	0.134	0.265	0.022
%RSD		1.013	1.801	0.746	1.237	0.816	2.222	2.238	0.119

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:59:39	19.270	47.540	46.460	3.070	-2.429	-3.015	0.000	569.000
2	16:00:21	19.420	47.690	45.960	3.800	-2.781	-1.584	0.000	569.500
3	16:01:03	18.950	45.940	48.260	2.786	-3.054	-2.362	0.000	568.900
x		19.220	47.060	46.900	3.219	-2.755	-2.321	0.000	569.200
σ		0.242	0.968	1.211	0.523	0.313	0.717	0.000	0.307
%RSD		1.261	2.058	2.583	16.260	11.380	30.880	0.000	0.054

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:59:39	93.670%	3.170	3.333	86.062%	0.006	-0.002	0.057	0.061
2	16:00:21	95.034%	2.388	2.674	86.688%	-0.003	-0.004	0.132	-0.009
3	16:01:03	95.042%	2.135	2.252	87.130%	-0.002	0.001	0.051	-0.026
x		94.582%	2.564	2.753	86.627%	0.000	-0.002	0.080	0.008
σ		0.790%	0.540	0.545	0.537%	0.005	0.003	0.045	0.046
%RSD		0.835	21.040	19.780	0.620	1565.000	195.900	56.300	551.900

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:59:39	92.286%	83.520	0.179	0.179	197.000	201.700	106.208%	107.070%
2	16:00:21	92.641%	72.410	0.098	0.140	200.100	205.400	109.563%	109.832%
3	16:01:03	94.120%	62.870	0.133	0.108	199.100	202.100	110.713%	111.244%
x		93.016%	72.930	0.137	0.142	198.700	203.100	108.828%	109.382%
σ		0.973%	10.340	0.041	0.035	1.548	2.011	2.341%	2.123%
%RSD		1.046	14.180	29.780	24.800	0.779	0.990	2.151	1.941

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:59:39	0.314	0.266	6.439	6.453	6.495	109.524%
2	16:00:21	0.262	0.233	6.471	6.554	6.471	113.095%
3	16:01:03	0.223	0.237	6.699	6.296	6.470	114.467%
x		0.267	0.245	6.536	6.434	6.478	112.362%
σ		0.046	0.018	0.142	0.130	0.014	2.552%
%RSD		17.110	7.424	2.175	2.023	0.217	2.271

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:03:52	74.624%	0.381	16.060	18.370	0.000	90450.000	20860.000	20710.000
2	16:04:33	74.241%	0.315	18.490	17.660	0.000	91410.000	20810.000	20900.000
3	16:05:15	73.511%	0.353	19.920	17.490	0.000	90280.000	20630.000	20580.000
x		74.126%	0.350	18.160	17.840	0.000	90710.000	20770.000	20730.000
σ		0.565%	0.033	1.952	0.465	0.000	609.300	124.400	159.100
%RSD		0.762	9.501	10.750	2.607	0.000	0.672	0.599	0.767

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:03:52	3744.000	9319.000	0.000	2214.000	66440.000	67450.000	82.532%	71.730
2	16:04:33	3780.000	9301.000	0.000	2215.000	68500.000	68000.000	82.903%	70.020
3	16:05:15	3693.000	9171.000	0.000	2199.000	67810.000	67750.000	82.787%	71.050
x		3739.000	9264.000	0.000	2209.000	67580.000	67730.000	82.741%	70.930
σ		43.760	80.930	0.000	8.834	1049.000	274.900	0.190%	0.863
%RSD		1.170	0.874	0.000	0.400	1.553	0.406	0.229	1.216

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:03:52	1.090	352.900	4740.000	10640.000	10950.000	7.653	177.600	14.640
2	16:04:33	0.439	354.300	4786.000	10690.000	11010.000	7.842	177.900	14.530
3	16:05:15	-0.451	349.800	4715.000	10520.000	10930.000	7.840	176.500	14.800
x		0.359	352.300	4747.000	10620.000	10960.000	7.778	177.300	14.660
σ		0.773	2.289	36.140	86.770	40.940	0.109	0.773	0.135
%RSD		215.300	0.650	0.761	0.817	0.373	1.397	0.436	0.923

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:03:52	14.350	45.380	43.890	1.400	-3.188	-4.944	0.000	373.100
2	16:04:33	14.880	45.200	44.190	1.810	-3.000	-4.267	0.000	375.400
3	16:05:15	14.940	43.900	44.280	1.636	-4.360	-4.729	0.000	374.400
x		14.730	44.830	44.120	1.615	-3.516	-4.647	0.000	374.300
σ		0.323	0.808	0.203	0.206	0.737	0.346	0.000	1.161
%RSD		2.195	1.803	0.459	12.760	20.970	7.445	0.000	0.310

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:03:52	94.299%	6.234	6.573	87.512%	0.038	0.029	1.795	1.704
2	16:04:33	95.156%	6.313	6.452	87.916%	0.040	0.036	1.888	1.787
3	16:05:15	95.420%	5.946	6.123	88.026%	0.054	0.055	1.742	1.620
x		94.958%	6.164	6.383	87.818%	0.044	0.040	1.808	1.704
σ		0.586%	0.193	0.233	0.271%	0.009	0.013	0.074	0.083
%RSD		0.617	3.134	3.644	0.308	20.160	32.970	4.086	4.898

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:03:52	91.841%	37.440	0.088	0.081	96.420	100.200	104.339%	106.977%
2	16:04:33	93.257%	35.390	0.040	0.046	94.850	99.150	107.280%	109.043%
3	16:05:15	94.323%	32.740	0.081	0.039	95.200	97.270	108.287%	109.684%
x		93.140%	35.190	0.069	0.056	95.490	98.890	106.635%	108.568%
σ		1.245%	2.357	0.026	0.022	0.827	1.506	2.052%	1.415%
%RSD		1.336	6.699	37.440	39.830	0.866	1.523	1.924	1.303

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:03:52	0.165	0.153	4.803	4.695	4.813	109.164%
2	16:04:33	0.152	0.151	4.841	4.762	4.815	110.842%
3	16:05:15	0.162	0.147	4.820	4.789	4.754	112.104%
x		0.159	0.150	4.821	4.749	4.794	110.703%
σ		0.007	0.003	0.019	0.048	0.035	1.475%
%RSD		4.326	2.217	0.392	1.016	0.721	1.332

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:08:04	73.957%	0.089	18.400	17.030	0.000	97600.000	21090.000	21150.000
2	16:08:46	72.266%	0.138	15.360	17.180	0.000	97330.000	21090.000	21150.000
3	16:09:28	71.620%	0.092	15.830	17.330	0.000	96850.000	22080.000	21090.000
x		72.614%	0.106	16.530	17.180	0.000	97260.000	21420.000	21130.000
σ		1.207%	0.027	1.635	0.150	0.000	382.700	573.600	37.080
%RSD		1.662	25.790	9.891	0.876	0.000	0.394	2.678	0.176

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:08:04	1805.000	6590.000	0.000	1804.000	67970.000	67720.000	81.829%	38.800
2	16:08:46	1764.000	6548.000	0.000	1783.000	67490.000	66820.000	82.272%	38.030
3	16:09:28	1802.000	6569.000	0.000	1791.000	66440.000	67160.000	81.745%	38.860
x		1790.000	6569.000	0.000	1793.000	67300.000	67230.000	81.948%	38.560
σ		22.930	21.160	0.000	10.660	782.500	458.900	0.283%	0.460
%RSD		1.281	0.322	0.000	0.595	1.163	0.683	0.346	1.192

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:08:04	-1.310	210.900	4884.000	4981.000	5232.000	4.841	108.300	9.487
2	16:08:46	-0.392	208.900	4892.000	4978.000	5204.000	4.874	107.000	9.035
3	16:09:28	-0.730	210.900	4904.000	4965.000	5218.000	4.945	107.600	9.121
x		-0.811	210.200	4893.000	4975.000	5218.000	4.887	107.600	9.214
σ		0.465	1.148	9.917	8.375	13.590	0.053	0.631	0.240
%RSD		57.280	0.546	0.203	0.168	0.260	1.092	0.586	2.608

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:08:04	9.048	29.620	30.540	1.124	-3.562	-4.060	0.000	403.400
2	16:08:46	8.951	29.510	29.550	1.163	-2.887	-3.453	0.000	401.300
3	16:09:28	9.427	29.780	29.290	0.857	-3.365	-3.015	0.000	402.600
x		9.142	29.640	29.790	1.048	-3.271	-3.509	0.000	402.400
σ		0.251	0.139	0.661	0.167	0.347	0.524	0.000	1.090
%RSD		2.749	0.468	2.220	15.900	10.600	14.940	0.000	0.271

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:08:04	92.421%	3.928	4.035	87.533%	0.009	-0.011	1.713	1.602
2	16:08:46	93.512%	3.784	4.006	88.301%	0.004	-0.005	1.645	1.546
3	16:09:28	94.347%	3.800	3.770	88.182%	0.019	0.008	1.581	1.635
x		93.427%	3.837	3.937	88.005%	0.011	-0.003	1.646	1.594
σ		0.966%	0.079	0.145	0.413%	0.008	0.010	0.066	0.045
%RSD		1.034	2.053	3.691	0.470	74.870	374.300	4.000	2.814

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:08:04	92.730%	34.770	-0.023	-0.010	72.720	74.080	106.857%	108.362%
2	16:08:46	94.245%	33.020	-0.004	-0.006	72.590	72.820	109.368%	110.696%
3	16:09:28	95.506%	29.950	-0.004	0.032	71.000	72.940	110.822%	111.461%
x		94.160%	32.580	-0.010	0.005	72.110	73.280	109.016%	110.173%
σ		1.390%	2.444	0.011	0.023	0.961	0.693	2.006%	1.614%
%RSD		1.476	7.502	105.400	439.800	1.332	0.946	1.840	1.465

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:08:04	0.094	0.090	2.546	2.357	2.461	111.918%
2	16:08:46	0.082	0.085	2.474	2.282	2.413	115.625%
3	16:09:28	0.092	0.070	2.416	2.526	2.429	116.471%
x		0.090	0.082	2.478	2.388	2.434	114.671%
σ		0.006	0.010	0.065	0.125	0.024	2.421%
%RSD		7.150	12.770	2.625	5.233	0.999	2.112

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:12:17	74.444%	0.347	6.419	7.376	0.000	82420.000	5607.000	5647.000
2	16:12:59	73.728%	0.430	7.347	6.765	0.000	83490.000	5712.000	5729.000
3	16:13:40	73.892%	0.281	7.322	7.290	0.000	83630.000	5727.000	5708.000
x		74.021%	0.353	7.029	7.144	0.000	83180.000	5682.000	5695.000
σ		0.376%	0.075	0.529	0.331	0.000	661.600	65.490	42.350
%RSD		0.507	21.150	7.523	4.632	0.000	0.795	1.153	0.744

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:12:17	6229.000	18260.000	0.000	1844.000	10180.000	9695.000	84.957%	81.930
2	16:12:59	6389.000	18500.000	0.000	1841.000	10300.000	9824.000	86.066%	80.600
3	16:13:40	6328.000	18480.000	0.000	1844.000	10150.000	9817.000	87.010%	80.400
x		6315.000	18420.000	0.000	1843.000	10210.000	9779.000	86.011%	80.980
σ		80.730	134.100	0.000	1.518	80.100	72.490	1.028%	0.833
%RSD		1.278	0.728	0.000	0.082	0.785	0.741	1.195	1.028

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:12:17	15.240	9.797	133.100	8470.000	8433.000	2.484	7.461	8.212
2	16:12:59	14.740	9.896	134.800	8521.000	8605.000	2.505	7.496	8.324
3	16:13:40	15.740	9.916	134.100	8512.000	8608.000	2.527	7.649	8.295
x		15.240	9.870	134.000	8501.000	8549.000	2.505	7.536	8.277
σ		0.501	0.064	0.872	27.240	100.400	0.022	0.100	0.058
%RSD		3.284	0.646	0.651	0.320	1.174	0.867	1.327	0.703

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:12:17	8.167	33.980	34.560	1.648	-3.282	-2.302	0.000	66.330
2	16:12:59	7.974	34.020	33.830	1.897	-2.802	-2.016	0.000	67.710
3	16:13:40	7.890	33.920	33.330	2.647	-3.127	-2.513	0.000	66.910
x		8.010	33.970	33.910	2.064	-3.071	-2.277	0.000	66.980
σ		0.142	0.048	0.620	0.520	0.245	0.249	0.000	0.695
%RSD		1.770	0.142	1.830	25.190	7.979	10.950	0.000	1.038

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:12:17	98.152%	0.671	0.736	91.258%	0.129	0.133	0.108	-0.068
2	16:12:59	98.936%	0.712	0.734	92.262%	0.112	0.123	0.139	0.047
3	16:13:40	100.433%	0.681	0.766	93.437%	0.123	0.112	0.034	0.097
x		99.174%	0.688	0.746	92.319%	0.121	0.123	0.093	0.025
σ		1.159%	0.022	0.018	1.091%	0.008	0.010	0.054	0.085
%RSD		1.168	3.144	2.380	1.182	6.992	8.403	57.820	333.500

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:12:17	96.385%	22.520	0.341	0.431	69.590	72.240	110.487%	112.099%
2	16:12:59	98.552%	21.460	0.357	0.421	70.800	72.470	113.264%	114.319%
3	16:13:40	99.501%	20.410	0.313	0.430	70.410	71.350	114.409%	114.872%
x		98.146%	21.460	0.337	0.427	70.270	72.020	112.720%	113.763%
σ		1.597%	1.056	0.022	0.006	0.617	0.589	2.017%	1.467%
%RSD		1.627	4.920	6.652	1.374	0.877	0.817	1.789	1.290

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:12:17	0.126	0.128	4.453	4.210	4.362	113.722%
2	16:12:59	0.124	0.118	4.296	4.255	4.289	115.617%
3	16:13:40	0.136	0.130	4.383	4.147	4.262	116.400%
x		0.129	0.126	4.377	4.204	4.304	115.246%
σ		0.006	0.006	0.078	0.054	0.052	1.377%
%RSD		5.029	5.063	1.793	1.292	1.203	1.195

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:16:31	79.528%	0.939	30.290	31.290	0.000	6080.000	257.100	254.800
2	16:17:13	77.606%	1.103	28.860	30.120	0.000	6128.000	255.200	258.100
3	16:17:54	76.051%	0.938	30.540	31.310	0.000	6131.000	255.200	258.400
x		77.728%	0.993	29.890	30.910	0.000	6113.000	255.900	257.100
σ		1.742%	0.095	0.905	0.677	0.000	28.330	1.106	1.986
%RSD		2.241	9.573	3.026	2.192	0.000	0.463	0.432	0.772

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:16:31	62.100	11680.000	0.000	1337.000	1151.000	1149.000	87.256%	1.810
2	16:17:13	62.840	11610.000	0.000	1345.000	1151.000	1143.000	86.974%	2.065
3	16:17:54	60.360	11640.000	0.000	1342.000	1180.000	1155.000	85.911%	1.990
x		61.770	11650.000	0.000	1341.000	1161.000	1149.000	86.714%	1.955
σ		1.272	36.500	0.000	3.658	17.180	6.257	0.710%	0.131
%RSD		2.059	0.313	0.000	0.273	1.480	0.545	0.818	6.684

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:16:31	3.349	1.679	3.313	33.090	31.510	0.012	0.433	2.133
2	16:17:13	3.993	1.668	3.455	26.630	26.540	0.022	0.444	2.121
3	16:17:54	3.455	1.641	3.487	26.200	27.770	0.011	0.416	2.017
x		3.599	1.663	3.418	28.640	28.610	0.015	0.431	2.090
σ		0.345	0.019	0.093	3.862	2.585	0.006	0.014	0.064
%RSD		9.595	1.156	2.717	13.480	9.037	39.460	3.288	3.056

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:16:31	2.077	8.547	9.149	-0.430	-1.843	-3.825	0.000	21.700
2	16:17:13	2.228	8.598	8.961	-1.134	-2.752	-4.596	0.000	21.680
3	16:17:54	2.231	8.686	8.726	-0.247	-3.718	-2.560	0.000	21.420
x		2.179	8.610	8.945	-0.604	-2.771	-3.660	0.000	21.600
σ		0.088	0.070	0.212	0.468	0.938	1.028	0.000	0.159
%RSD		4.044	0.818	2.369	77.510	33.840	28.090	0.000	0.737

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:16:31	94.809%	0.262	0.336	93.326%	-0.035	-0.025	0.002	0.039
2	16:17:13	96.592%	0.246	0.250	94.852%	-0.027	-0.032	0.013	-0.026
3	16:17:54	96.156%	0.264	0.276	95.030%	-0.034	-0.035	-0.074	-0.121
x		95.852%	0.257	0.287	94.403%	-0.032	-0.031	-0.020	-0.036
σ		0.930%	0.010	0.044	0.937%	0.004	0.005	0.047	0.080
%RSD		0.970	3.895	15.330	0.992	13.380	16.520	240.000	224.300

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:16:31	96.852%	16.630	-0.095	-0.065	13.960	13.850	109.328%	110.247%
2	16:17:13	98.506%	16.440	-0.076	-0.087	13.380	14.060	112.155%	113.348%
3	16:17:54	99.376%	15.710	-0.100	-0.108	13.810	13.710	113.209%	114.453%
x		98.245%	16.260	-0.091	-0.087	13.720	13.880	111.564%	112.683%
σ		1.282%	0.487	0.013	0.022	0.302	0.176	2.007%	2.181%
%RSD		1.305	2.993	13.840	24.980	2.203	1.269	1.799	1.935

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:16:31	0.045	0.048	0.091	0.061	0.079	115.697%
2	16:17:13	0.045	0.041	0.084	0.060	0.079	119.288%
3	16:17:54	0.031	0.033	0.083	0.072	0.077	120.680%
x		0.040	0.041	0.086	0.064	0.078	118.555%
σ		0.008	0.008	0.004	0.006	0.001	2.571%
%RSD		20.670	18.420	4.906	10.040	1.801	2.169

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:20:45	75.533%	15.730	30.270	27.780	0.000	15310.000	5199.000	5185.000
2	16:21:27	73.562%	16.670	27.300	27.700	0.000	15440.000	5164.000	5225.000
3	16:22:08	72.486%	16.440	27.480	28.310	0.000	15340.000	5163.000	5212.000
x		73.860%	16.280	28.350	27.930	0.000	15370.000	5175.000	5207.000
σ		1.545%	0.492	1.663	0.332	0.000	69.230	20.810	20.610
%RSD		2.092	3.024	5.867	1.188	0.000	0.451	0.402	0.396

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:20:45	17370.000	27150.000	0.000	5490.000	14330.000	13840.000	87.161%	200.100
2	16:21:27	17340.000	27260.000	0.000	5515.000	14290.000	13960.000	86.766%	198.700
3	16:22:08	17320.000	27040.000	0.000	5495.000	14180.000	13800.000	87.371%	201.700
x		17340.000	27150.000	0.000	5500.000	14270.000	13860.000	87.100%	200.200
σ		24.550	112.100	0.000	13.020	78.250	82.390	0.307%	1.459
%RSD		0.142	0.413	0.000	0.237	0.548	0.594	0.353	0.729

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:20:45	11.350	3.099	1476.000	7673.000	7690.000	1.701	1.083	8.646
2	16:21:27	9.514	3.045	1482.000	7673.000	7767.000	1.742	1.329	8.936
3	16:22:08	9.538	3.057	1464.000	7593.000	7666.000	1.625	1.270	8.812
x		10.140	3.067	1474.000	7646.000	7708.000	1.690	1.227	8.798
σ		1.056	0.029	9.355	45.740	52.830	0.059	0.129	0.145
%RSD		10.420	0.937	0.635	0.598	0.686	3.518	10.470	1.650

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:20:45	9.536	39.480	40.830	0.341	-2.601	-0.898	0.000	336.800
2	16:21:27	9.823	40.320	41.570	0.228	-3.362	-0.251	0.000	336.100
3	16:22:08	9.561	39.150	41.210	-0.398	-3.883	-1.027	0.000	335.600
x		9.640	39.650	41.200	0.057	-3.282	-0.725	0.000	336.200
σ		0.159	0.603	0.368	0.399	0.645	0.416	0.000	0.611
%RSD		1.645	1.520	0.893	697.700	19.650	57.370	0.000	0.182

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:20:45	0.000	5.853	5.972	92.732%	0.018	0.025	0.922	0.885
2	16:21:27	0.000	5.504	5.885	93.557%	0.016	0.017	0.788	0.912
3	16:22:08	0.000	6.080	5.933	94.047%	0.029	0.030	0.948	0.789
x		0.000	5.812	5.930	93.445%	0.021	0.024	0.886	0.862
σ		0.000	0.290	0.044	0.665%	0.007	0.006	0.086	0.065
%RSD		0.000	4.994	0.740	0.711	34.970	26.510	9.704	7.504

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:20:45	98.533%	17.280	-0.090	-0.092	521.700	531.200	114.864%	116.274%
2	16:21:27	100.145%	16.540	-0.081	-0.085	514.200	530.400	118.049%	119.298%
3	16:22:08	100.925%	16.140	-0.116	-0.099	519.500	535.200	118.373%	120.194%
x		99.868%	16.650	-0.096	-0.092	518.400	532.300	117.095%	118.589%
σ		1.220%	0.579	0.018	0.007	3.856	2.604	1.939%	2.054%
%RSD		1.222	3.475	18.780	7.804	0.744	0.489	1.656	1.732

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:20:45	1.347	1.309	9.189	7.278	7.785	114.522%
2	16:21:27	1.362	1.358	9.148	7.145	7.718	117.369%
3	16:22:08	1.395	1.366	9.213	6.935	7.624	118.472%
x		1.368	1.344	9.183	7.120	7.709	116.788%
σ		0.025	0.031	0.032	0.173	0.081	2.038%
%RSD		1.806	2.287	0.354	2.428	1.045	1.745

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:24:59	77.237%	2.439	19.640	19.390	0.000	9024.000	2254.000	2239.000
2	16:25:41	75.971%	2.512	17.780	18.770	0.000	9157.000	2253.000	2268.000
3	16:26:22	76.473%	2.143	19.470	19.840	0.000	9083.000	2243.000	2258.000
x		76.560%	2.365	18.960	19.330	0.000	9088.000	2250.000	2255.000
σ		0.637%	0.195	1.027	0.538	0.000	66.840	5.824	14.580
%RSD		0.832	8.260	5.417	2.784	0.000	0.736	0.259	0.647

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:24:59	1249.000	7982.000	0.000	3049.000	6961.000	6864.000	86.610%	28.050
2	16:25:41	1228.000	8040.000	0.000	3041.000	7214.000	6952.000	86.212%	27.230
3	16:26:22	1252.000	8057.000	0.000	3039.000	7146.000	6997.000	86.589%	27.090
x		1243.000	8026.000	0.000	3043.000	7107.000	6938.000	86.470%	27.450
σ		13.040	39.480	0.000	5.260	130.700	67.830	0.224%	0.519
%RSD		1.050	0.492	0.000	0.173	1.840	0.978	0.259	1.890

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:24:59	4.555	2.519	2687.000	543.100	558.500	0.151	0.286	2.377
2	16:25:41	4.300	2.565	2711.000	544.600	554.400	0.159	0.359	2.397
3	16:26:22	4.233	2.634	2714.000	542.900	561.400	0.156	0.293	2.360
x		4.363	2.573	2704.000	543.500	558.100	0.156	0.313	2.378
σ		0.170	0.058	14.760	0.961	3.561	0.004	0.040	0.019
%RSD		3.887	2.265	0.546	0.177	0.638	2.442	12.900	0.792

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:24:59	2.487	11.050	11.850	-0.734	-3.010	-3.208	0.000	98.080
2	16:25:41	2.270	11.120	11.530	-0.784	-2.706	-3.246	0.000	98.350
3	16:26:22	2.292	11.070	11.930	-0.406	-3.058	-2.823	0.000	98.610
x		2.350	11.080	11.770	-0.641	-2.925	-3.092	0.000	98.350
σ		0.120	0.035	0.214	0.206	0.191	0.234	0.000	0.266
%RSD		5.091	0.314	1.819	32.040	6.520	7.565	0.000	0.270

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:24:59	97.202%	0.228	0.328	94.172%	-0.011	-0.014	0.540	0.438
2	16:25:41	97.582%	0.286	0.299	94.283%	-0.013	-0.013	0.394	0.423
3	16:26:22	96.994%	0.250	0.265	93.786%	-0.014	-0.009	0.481	0.533
x		97.259%	0.255	0.297	94.080%	-0.013	-0.012	0.472	0.464
σ		0.298%	0.029	0.031	0.261%	0.002	0.003	0.073	0.060
%RSD		0.306	11.470	10.590	0.277	13.690	21.840	15.490	12.890

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:24:59	98.183%	10.800	-0.118	-0.097	131.700	136.600	111.675%	112.215%
2	16:25:41	98.776%	10.370	-0.110	-0.111	136.600	137.500	111.866%	112.717%
3	16:26:22	98.447%	10.840	-0.144	-0.119	136.200	139.100	111.655%	112.892%
x		98.468%	10.670	-0.124	-0.109	134.800	137.700	111.732%	112.608%
σ		0.297%	0.260	0.018	0.011	2.683	1.253	0.117%	0.351%
%RSD		0.302	2.439	14.440	10.220	1.990	0.910	0.105	0.312

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:24:59	0.554	0.555	1.259	1.105	1.164	116.077%
2	16:25:41	0.550	0.578	1.233	1.220	1.178	116.398%
3	16:26:22	0.607	0.588	1.206	1.249	1.193	116.488%
x		0.571	0.574	1.233	1.191	1.178	116.321%
σ		0.032	0.017	0.027	0.076	0.015	0.216%
%RSD		5.571	2.997	2.180	6.374	1.258	0.186

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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	16:29:13	77.932%	1.498	23.120	21.180	0.000	8639.000	784.200	783.100
2	16:29:55	76.018%	1.612	20.240	22.320	0.000	8790.000	792.400	795.000
3	16:30:37	75.076%	1.967	21.020	22.270	0.000	8785.000	791.300	797.100
x		76.342%	1.693	21.460	21.920	0.000	8738.000	789.300	791.700
σ		1.455%	0.244	1.492	0.645	0.000	85.600	4.483	7.527
%RSD		1.906	14.440	6.954	2.940	0.000	0.980	0.568	0.951

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:13	915.100	20890.000	0.000	1849.000	3036.000	2985.000	87.238%	18.360
2	16:29:55	923.600	20850.000	0.000	1857.000	2933.000	3025.000	86.839%	18.600
3	16:30:37	923.600	20920.000	0.000	1859.000	2971.000	3003.000	87.148%	18.990
x		920.800	20890.000	0.000	1855.000	2980.000	3004.000	87.075%	18.650
σ		4.924	33.530	0.000	5.188	51.790	20.080	0.209%	0.319
%RSD		0.535	0.161	0.000	0.280	1.738	0.668	0.241	1.708

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:13	4.273	2.227	10.410	472.900	473.900	0.111	0.728	27.880
2	16:29:55	5.015	2.347	10.310	475.600	466.700	0.099	0.609	28.500
3	16:30:37	5.404	2.439	10.650	478.300	475.500	0.082	0.641	27.700
x		4.897	2.338	10.460	475.600	472.000	0.097	0.659	28.030
σ		0.575	0.106	0.172	2.707	4.676	0.014	0.061	0.420
%RSD		11.740	4.549	1.647	0.569	0.991	14.590	9.317	1.500

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:13	29.600	28.800	29.560	-0.549	-2.688	-5.095	0.000	39.030
2	16:29:55	29.100	28.700	30.650	-0.292	-2.863	-4.082	0.000	38.920
3	16:30:37	29.520	29.510	29.860	-0.158	-4.187	-2.655	0.000	38.880
x		29.410	29.000	30.020	-0.333	-3.246	-3.944	0.000	38.950
σ		0.266	0.442	0.566	0.198	0.820	1.226	0.000	0.077
%RSD		0.903	1.522	1.886	59.580	25.260	31.080	0.000	0.197

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:13	96.486%	0.105	0.197	93.884%	-0.012	-0.009	0.041	0.000
2	16:29:55	97.706%	0.123	0.197	95.037%	-0.003	-0.012	0.068	0.088
3	16:30:37	98.878%	0.107	0.103	95.491%	-0.014	-0.011	0.005	-0.024
x		97.690%	0.112	0.166	94.804%	-0.010	-0.010	0.038	0.022
σ		1.196%	0.010	0.054	0.828%	0.006	0.002	0.031	0.059
%RSD		1.225	8.805	32.790	0.874	57.880	14.760	82.490	273.500

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:13	98.226%	11.200	-0.008	-0.037	15.790	17.300	110.576%	111.293%
2	16:29:55	100.038%	10.860	-0.046	-0.037	16.170	16.690	113.009%	114.028%
3	16:30:37	101.034%	10.850	-0.020	-0.055	15.900	16.700	115.130%	116.035%
x		99.766%	10.970	-0.024	-0.043	15.950	16.900	112.905%	113.785%
σ		1.424%	0.205	0.019	0.010	0.193	0.346	2.278%	2.381%
%RSD		1.427	1.865	80.240	23.220	1.210	2.046	2.018	2.092

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:13	0.039	0.042	1.666	1.513	1.571	114.844%
2	16:29:55	0.029	0.018	1.670	1.441	1.571	118.154%
3	16:30:37	0.036	0.026	1.741	1.532	1.573	121.708%
x		0.035	0.029	1.692	1.495	1.572	118.235%
σ		0.005	0.012	0.042	0.048	0.001	3.433%
%RSD		14.490	41.510	2.502	3.225	0.054	2.903

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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	16:36:21	82.909%	101.100	94.190	93.040	0.000	49140.000	48590.000	48630.000
2	16:37:03	83.075%	102.800	92.070	93.870	0.000	49150.000	48610.000	48280.000
3	16:37:44	82.489%	103.100	90.350	92.420	0.000	49430.000	49040.000	48940.000
x		82.824%	102.321%	92.205%	93.109%	0.000	98.479%	97.497%	97.234%
σ		0.302%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.365	1.079	2.084	0.780	0.000	0.330	0.518	0.674

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:36:21	488.500	4863.000	0.000	47700.000	47630.000	46730.000	94.044%	97.060
2	16:37:03	485.200	5215.000	0.000	47960.000	47460.000	47110.000	92.881%	95.980
3	16:37:44	490.400	4885.000	0.000	48270.000	47760.000	47320.000	92.607%	94.660
x		97.610%	99.749%	0.000	95.952%	95.233%	94.110%	93.177%	95.897%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.763%	n/a
%RSD		0.532	3.955	0.000	0.589	0.313	0.631	0.819	1.254

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:36:21	95.040	96.720	473.500	24330.000	24400.000	96.980	97.230	96.890
2	16:37:03	96.010	98.400	481.200	24530.000	24680.000	97.880	99.700	98.080
3	16:37:44	96.000	97.940	486.000	24620.000	24840.000	98.940	99.930	98.280
x		95.684%	97.688%	96.055%	97.986%	98.549%	97.933%	98.955%	97.749%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.580	0.888	1.311	0.603	0.913	1.002	1.511	0.768

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:36:21	98.560	102.300	102.100	98.050	101.700	100.300	0.000	94.570
2	16:37:03	100.000	103.600	102.200	98.670	98.150	101.100	0.000	94.960
3	16:37:44	99.370	102.200	102.000	98.670	102.100	101.500	0.000	95.300
x		99.315%	102.712%	102.107%	98.462%	100.666%	100.980%	0.000	94.944%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.739	0.742	0.097	0.364	2.179	0.630	0.000	0.388

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:36:21	95.318%	94.390	96.500	93.288%	97.380	96.690	100.400	97.800
2	16:37:03	95.317%	96.610	99.500	93.975%	96.730	96.760	97.410	96.940
3	16:37:44	95.141%	99.660	101.300	93.848%	97.240	96.390	99.990	97.160
x		95.259%	96.887%	99.096%	93.704%	97.115%	96.614%	99.264%	97.302%
σ		0.102%	n/a	n/a	0.366%	n/a	n/a	n/a	n/a
%RSD		0.107	2.732	2.443	0.391	0.352	0.200	1.633	0.463

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:36:21	95.286%	97.820	97.170	97.510	93.450	94.080	101.602%	102.555%
2	16:37:03	96.269%	96.530	96.520	97.440	94.150	93.140	102.116%	102.700%
3	16:37:44	96.397%	98.140	97.600	98.210	96.530	94.980	102.893%	102.997%
x		95.984%	97.499%	97.097%	97.721%	94.711%	94.068%	102.204%	102.751%
σ		0.608%	n/a	n/a	n/a	n/a	n/a	0.650%	0.225%
%RSD		0.633	0.877	0.562	0.437	1.708	0.978	0.636	0.219

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:36:21	102.900	101.600	103.300	103.500	103.300	104.067%
2	16:37:03	102.600	101.700	103.700	103.800	103.800	104.714%
3	16:37:44	102.900	102.700	104.000	104.300	104.300	104.730%
x		102.786%	101.995%	103.637%	103.873%	103.832%	104.504%
σ		n/a	n/a	n/a	n/a	n/a	0.378%
%RSD		0.173	0.596	0.335	0.401	0.487	0.362

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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	16:43:30	86.221%	-0.008	0.556	0.748	0.000	14.480	6.696	6.970
2	16:44:12	86.876%	0.021	0.543	0.329	0.000	10.340	4.147	5.054
3	16:44:53	87.986%	-0.018	0.054	0.216	0.000	10.900	5.821	5.437
x		87.028%	-0.001	0.384	0.431	0.000	11.910	5.554	5.820
σ		0.893%	0.020	0.286	0.280	0.000	2.242	1.295	1.014
%RSD		1.026	1548.000	74.440	65.040	0.000	18.830	23.320	17.420

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:43:30	1.235	4.569	0.000	13.290	8.539	6.505	96.726%	0.019
2	16:44:12	1.008	3.646	0.000	8.654	5.448	4.532	98.160%	-0.028
3	16:44:53	1.064	3.449	0.000	9.078	9.731	6.027	98.158%	-0.013
x		1.102	3.888	0.000	10.340	7.906	5.688	97.682%	-0.007
σ		0.119	0.598	0.000	2.565	2.211	1.029	0.827%	0.024
%RSD		10.750	15.380	0.000	24.800	27.960	18.100	0.847	324.100

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:43:30	-0.013	-0.010	0.203	14.660	12.220	0.010	0.004	-0.002
2	16:44:12	0.038	-0.028	0.161	9.957	8.662	0.008	0.003	0.006
3	16:44:53	0.029	-0.009	0.147	9.946	8.023	0.007	0.010	-0.023
x		0.018	-0.016	0.170	11.520	9.636	0.008	0.006	-0.006
σ		0.027	0.011	0.029	2.716	2.263	0.001	0.004	0.015
%RSD		151.400	66.860	16.970	23.580	23.490	16.890	65.400	232.000

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:43:30	-0.031	0.138	0.177	-0.072	-1.904	-0.648	0.000	0.031
2	16:44:12	-0.015	0.192	0.151	-0.105	-0.830	-0.782	0.000	0.025
3	16:44:53	-0.039	0.126	-0.127	-0.213	-0.788	-0.692	0.000	0.025
x		-0.028	0.152	0.067	-0.130	-1.174	-0.707	0.000	0.027
σ		0.012	0.035	0.169	0.074	0.633	0.068	0.000	0.003
%RSD		42.480	23.090	251.800	56.770	53.870	9.598	0.000	12.680

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:43:30	101.450%	0.490	0.512	102.219%	-0.017	-0.015	-0.005	-0.023
2	16:44:12	102.054%	0.488	0.403	103.643%	-0.020	-0.028	0.036	0.053
3	16:44:53	102.943%	0.314	0.342	104.033%	-0.008	-0.030	0.003	-0.030
x		102.149%	0.430	0.419	103.298%	-0.015	-0.024	0.011	0.000
σ		0.751%	0.101	0.086	0.955%	0.007	0.008	0.021	0.046
%RSD		0.735	23.490	20.610	0.924	43.550	33.500	185.900	40500.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:43:30	103.269%	-0.073	-0.161	-0.166	0.011	0.012	107.619%	107.808%
2	16:44:12	104.630%	0.141	-0.165	-0.169	0.038	0.024	109.008%	110.054%
3	16:44:53	105.256%	0.329	-0.150	-0.158	0.017	0.028	109.891%	109.713%
x		104.385%	0.133	-0.159	-0.164	0.022	0.021	108.839%	109.191%
σ		1.016%	0.201	0.008	0.006	0.014	0.008	1.146%	1.210%
%RSD		0.973	151.800	5.066	3.416	65.820	37.400	1.053	1.109

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:43:30	0.037	0.037	0.009	0.015	0.013	115.545%
2	16:44:12	0.032	0.020	0.005	0.002	0.014	117.766%
3	16:44:53	0.017	0.023	0.025	0.011	0.019	117.173%
x		0.028	0.027	0.013	0.009	0.016	116.828%
σ		0.010	0.009	0.010	0.006	0.003	1.150%
%RSD		36.780	33.460	80.280	70.160	21.280	0.984

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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	16:47:46	78.440%	0.565	27.170	25.760	0.000	11070.000	924.700	921.500
2	16:48:28	76.563%	0.578	26.260	24.330	0.000	11150.000	936.700	927.700
3	16:49:10	74.901%	0.816	25.290	25.530	0.000	11280.000	926.800	941.500
x		76.635%	0.653	26.240	25.200	0.000	11170.000	929.400	930.200
σ		1.771%	0.141	0.937	0.767	0.000	105.900	6.428	10.250
%RSD		2.311	21.590	3.569	3.042	0.000	0.949	0.692	1.101

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:47:46	24.230	16780.000	0.000	1588.000	4338.000	4217.000	86.830%	1.836
2	16:48:28	24.270	16620.000	0.000	1561.000	4294.000	4200.000	87.784%	1.698
3	16:49:10	24.390	16790.000	0.000	1574.000	4360.000	4235.000	87.330%	1.841
x		24.300	16730.000	0.000	1574.000	4331.000	4217.000	87.315%	1.792
σ		0.082	94.360	0.000	13.190	33.270	17.460	0.477%	0.081
%RSD		0.337	0.564	0.000	0.838	0.768	0.414	0.547	4.522

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:47:46	4.562	1.758	6.551	40.660	48.900	0.022	0.237	1.162
2	16:48:28	4.174	1.752	6.606	33.250	42.430	0.034	0.243	1.112
3	16:49:10	5.048	1.691	6.595	29.650	40.120	0.018	0.348	1.064
x		4.595	1.734	6.584	34.520	43.820	0.024	0.276	1.113
σ		0.438	0.037	0.029	5.615	4.551	0.008	0.063	0.049
%RSD		9.528	2.143	0.446	16.260	10.390	33.490	22.660	4.392

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:47:46	1.161	9.102	9.719	0.165	-2.162	-2.274	0.000	57.490
2	16:48:28	0.977	9.229	9.293	-0.201	-3.140	-2.527	0.000	56.490
3	16:49:10	1.065	9.296	9.738	-0.572	-2.671	-2.989	0.000	57.050
x		1.068	9.209	9.583	-0.203	-2.658	-2.597	0.000	57.010
σ		0.092	0.099	0.251	0.368	0.489	0.362	0.000	0.498
%RSD		8.626	1.072	2.622	181.900	18.410	13.950	0.000	0.873

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:47:46	94.515%	0.925	0.895	93.670%	-0.031	-0.035	0.001	-0.041
2	16:48:28	97.189%	0.713	0.851	95.087%	-0.031	-0.037	-0.008	0.014
3	16:49:10	96.236%	0.803	0.716	95.423%	-0.027	-0.032	-0.019	0.017
x		95.980%	0.814	0.821	94.727%	-0.030	-0.035	-0.009	-0.003
σ		1.355%	0.107	0.093	0.931%	0.002	0.002	0.010	0.032
%RSD		1.412	13.090	11.360	0.982	6.349	6.988	119.400	979.400

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:47:46	97.157%	13.210	0.218	0.203	2.939	3.272	107.186%	107.507%
2	16:48:28	99.710%	11.480	0.163	0.096	3.157	3.095	110.806%	112.671%
3	16:49:10	99.579%	11.060	0.102	0.109	2.973	3.159	112.292%	112.922%
x		98.816%	11.920	0.161	0.136	3.023	3.175	110.095%	111.033%
σ		1.438%	1.137	0.058	0.058	0.118	0.090	2.626%	3.056%
%RSD		1.455	9.538	36.180	42.770	3.887	2.825	2.385	2.753

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:47:46	0.012	0.019	0.084	0.068	0.075	112.089%
2	16:48:28	0.008	0.017	0.053	0.057	0.057	116.261%
3	16:49:10	0.007	0.007	0.081	0.074	0.069	117.776%
x		0.009	0.014	0.073	0.066	0.067	115.375%
σ		0.003	0.007	0.017	0.009	0.009	2.945%
%RSD		28.550	46.680	23.580	12.840	13.710	2.552

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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	16:52:00	71.137%	2.070	50.370	49.980	0.000	25730.000	10890.000	10970.000
2	16:52:41	68.720%	2.373	51.750	50.230	0.000	26210.000	11110.000	11160.000
3	16:53:23	69.130%	2.140	49.300	48.500	0.000	25890.000	10900.000	11080.000
x		69.662%	2.194	50.470	49.570	0.000	25940.000	10970.000	11070.000
σ		1.294%	0.159	1.228	0.935	0.000	243.900	125.200	95.020
%RSD		1.857	7.248	2.433	1.887	0.000	0.940	1.141	0.858

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:52:00	83.320	7844.000	0.000	4981.000	63380.000	63770.000	80.608%	2.449
2	16:52:41	89.000	7942.000	0.000	5046.000	64890.000	64880.000	79.335%	2.269
3	16:53:23	85.560	7863.000	0.000	4945.000	63940.000	64300.000	79.985%	2.359
x		85.960	7883.000	0.000	4991.000	64070.000	64310.000	79.976%	2.359
σ		2.862	52.270	0.000	51.330	761.100	555.300	0.637%	0.090
%RSD		3.329	0.663	0.000	1.029	1.188	0.863	0.796	3.815

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:52:00	1.169	1.844	30070.000	66.980	313.900	2.190	3.277	2.568
2	16:52:41	1.485	1.700	30370.000	66.450	307.900	2.246	2.963	2.548
3	16:53:23	0.881	1.660	30080.000	64.230	289.400	2.220	2.822	2.440
x		1.178	1.735	30180.000	65.880	303.700	2.219	3.021	2.518
σ		0.302	0.097	170.300	1.461	12.780	0.028	0.233	0.069
%RSD		25.660	5.568	0.564	2.217	4.207	1.276	7.720	2.737

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:52:00	2.655	47.630	47.400	-0.325	-2.896	-2.602	0.000	780.100
2	16:52:41	2.517	48.750	47.740	-1.102	-3.767	-2.950	0.000	778.800
3	16:53:23	2.522	47.640	48.380	-0.399	-2.171	-3.928	0.000	778.700
x		2.565	48.010	47.840	-0.609	-2.945	-3.160	0.000	779.200
σ		0.078	0.644	0.493	0.429	0.799	0.687	0.000	0.774
%RSD		3.056	1.341	1.031	70.520	27.140	21.750	0.000	0.099

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:52:00	92.181%	0.919	0.664	86.980%	0.013	0.015	4.855	4.758
2	16:52:41	93.091%	0.827	0.677	87.395%	0.026	-0.002	4.723	4.661
3	16:53:23	93.513%	0.787	0.727	87.588%	0.014	-0.005	5.102	4.817
x		92.928%	0.844	0.689	87.321%	0.018	0.003	4.893	4.746
σ		0.681%	0.068	0.033	0.311%	0.007	0.011	0.192	0.079
%RSD		0.732	8.008	4.835	0.356	41.710	424.500	3.930	1.663

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:52:00	92.018%	9.178	-0.079	-0.050	203.900	209.900	105.104%	106.401%
2	16:52:41	93.631%	8.999	-0.045	-0.026	204.800	210.500	106.906%	108.084%
3	16:53:23	94.119%	8.433	-0.023	-0.032	204.100	210.700	108.335%	109.187%
x		93.256%	8.870	-0.049	-0.036	204.300	210.400	106.781%	107.891%
σ		1.100%	0.389	0.029	0.012	0.472	0.447	1.619%	1.403%
%RSD		1.179	4.383	58.200	34.410	0.231	0.212	1.516	1.301

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:52:00	0.148	0.159	0.093	0.105	0.097	114.010%
2	16:52:41	0.169	0.166	0.102	0.087	0.083	115.507%
3	16:53:23	0.171	0.171	0.104	0.073	0.086	117.202%
x		0.163	0.165	0.100	0.088	0.089	115.573%
σ		0.013	0.006	0.006	0.016	0.007	1.597%
%RSD		7.821	3.832	6.005	18.120	8.304	1.382

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:56:12	72.184%	1.988	126.900	137.000	0.000	87240.000	13490.000	13570.000
2	16:56:53	70.438%	1.904	127.200	133.900	0.000	87290.000	13560.000	13510.000
3	16:57:35	69.564%	1.794	130.700	135.100	0.000	87250.000	13540.000	13560.000
x		70.729%	1.895	128.300	135.300	0.000	87260.000	13530.000	13550.000
σ		1.334%	0.097	2.118	1.550	0.000	28.230	32.460	32.280
%RSD		1.886	5.134	1.651	1.145	0.000	0.032	0.240	0.238

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:56:12	66.570	7773.000	0.000	6089.000	141300.000	142600.000	77.854%	4.859
2	16:56:53	66.360	7669.000	0.000	6023.000	140800.000	141600.000	77.301%	4.837
3	16:57:35	68.540	7737.000	0.000	6034.000	142800.000	142400.000	76.847%	5.936
x		67.160	7727.000	0.000	6049.000	141600.000	142200.000	77.334%	5.211
σ		1.202	52.640	0.000	35.620	1032.000	533.800	0.504%	0.628
%RSD		1.790	0.681	0.000	0.589	0.729	0.375	0.652	12.060

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:56:12	0.964	2.275	36660.000	816.700	1346.000	7.058	4.332	2.630
2	16:56:53	0.741	2.184	36690.000	821.400	1338.000	7.078	4.398	2.833
3	16:57:35	0.493	2.193	36790.000	819.100	1342.000	7.072	4.128	2.692
x		0.733	2.217	36710.000	819.100	1342.000	7.069	4.286	2.718
σ		0.235	0.050	71.120	2.343	4.064	0.010	0.141	0.104
%RSD		32.140	2.275	0.194	0.286	0.303	0.147	3.285	3.817

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:56:12	2.621	57.530	57.920	-0.289	-3.210	-3.912	0.000	1205.000
2	16:56:53	2.600	58.420	59.700	-0.296	-2.626	-2.969	0.000	1213.000
3	16:57:35	2.664	58.480	59.290	-0.626	-3.040	-4.101	0.000	1203.000
x		2.628	58.150	58.970	-0.404	-2.959	-3.660	0.000	1207.000
σ		0.033	0.533	0.932	0.193	0.301	0.606	0.000	5.567
%RSD		1.237	0.917	1.581	47.750	10.170	16.560	0.000	0.461

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:56:12	90.366%	1.812	1.670	82.769%	0.051	0.027	2.842	2.808
2	16:56:53	90.678%	1.626	1.694	83.116%	0.042	0.046	2.731	2.812
3	16:57:35	90.870%	1.637	1.707	82.928%	0.037	0.039	2.586	2.532
x		90.638%	1.692	1.690	82.938%	0.043	0.037	2.719	2.718
σ		0.254%	0.104	0.019	0.174%	0.007	0.010	0.128	0.161
%RSD		0.281	6.167	1.116	0.210	16.180	26.300	4.718	5.907

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:56:12	87.021%	8.330	-0.037	-0.055	425.500	433.700	99.807%	101.601%
2	16:56:53	88.543%	8.258	-0.086	-0.034	424.000	432.000	100.755%	102.397%
3	16:57:35	88.835%	7.838	-0.051	-0.068	421.600	431.600	102.282%	103.254%
x		88.133%	8.142	-0.058	-0.052	423.700	432.400	100.948%	102.417%
σ		0.974%	0.266	0.025	0.017	1.954	1.093	1.249%	0.827%
%RSD		1.105	3.265	42.870	32.380	0.461	0.253	1.237	0.807

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:56:12	0.798	0.827	0.229	0.140	0.159	106.761%
2	16:56:53	0.820	0.792	0.209	0.219	0.183	107.972%
3	16:57:35	0.826	0.817	0.252	0.142	0.180	109.146%
x		0.815	0.812	0.230	0.167	0.174	107.960%
σ		0.014	0.018	0.022	0.045	0.013	1.192%
%RSD		1.778	2.221	9.447	27.010	7.626	1.104

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:00:25	69.136%	1.487	119.600	129.600	0.000	76050.000	12330.000	12370.000
2	17:01:06	69.502%	1.346	120.900	123.800	0.000	74750.000	12070.000	12130.000
3	17:01:48	66.917%	1.674	121.600	126.100	0.000	76560.000	12260.000	12370.000
x		68.519%	1.502	120.700	126.500	0.000	75780.000	12220.000	12290.000
σ		1.399%	0.164	1.034	2.911	0.000	930.200	133.200	137.600
%RSD		2.041	10.940	0.857	2.301	0.000	1.227	1.090	1.119

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:00:25	33.540	7767.000	0.000	5556.000	131700.000	132400.000	77.378%	1.807
2	17:01:06	33.220	7617.000	0.000	5518.000	131000.000	132100.000	76.850%	1.988
3	17:01:48	33.520	7742.000	0.000	5611.000	134600.000	133800.000	75.966%	1.897
x		33.420	7709.000	0.000	5561.000	132500.000	132700.000	76.732%	1.898
σ		0.181	80.320	0.000	46.830	1916.000	916.200	0.713%	0.090
%RSD		0.541	1.042	0.000	0.842	1.446	0.690	0.930	4.765

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:00:25	1.511	0.788	26000.000	25.770	540.900	0.566	2.353	1.200
2	17:01:06	1.135	0.654	25940.000	23.990	522.300	0.516	2.357	1.195
3	17:01:48	1.257	0.718	26250.000	22.710	509.800	0.573	2.245	1.293
x		1.301	0.720	26060.000	24.160	524.300	0.551	2.318	1.229
σ		0.192	0.067	161.300	1.537	15.650	0.031	0.064	0.055
%RSD		14.760	9.254	0.619	6.362	2.986	5.629	2.744	4.471

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:00:25	1.015	41.860	42.530	-0.967	-2.798	-4.224	0.000	1144.000
2	17:01:06	0.993	41.400	41.200	-0.410	-3.149	-2.988	0.000	1127.000
3	17:01:48	1.019	42.950	42.100	-0.394	-3.556	-3.731	0.000	1125.000
x		1.009	42.070	41.940	-0.590	-3.168	-3.648	0.000	1132.000
σ		0.014	0.797	0.682	0.326	0.379	0.622	0.000	10.370
%RSD		1.406	1.893	1.627	55.210	11.970	17.060	0.000	0.917

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:00:25	90.196%	0.637	0.552	81.778%	0.038	0.007	3.504	3.738
2	17:01:06	91.386%	0.665	0.640	82.932%	0.029	0.019	3.451	3.497
3	17:01:48	91.701%	0.549	0.593	83.224%	0.046	0.025	3.262	3.362
x		91.094%	0.617	0.595	82.645%	0.038	0.017	3.406	3.533
σ		0.794%	0.061	0.044	0.765%	0.008	0.009	0.127	0.190
%RSD		0.871	9.813	7.446	0.925	21.840	55.550	3.723	5.390

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:00:25	86.957%	6.362	-0.042	-0.013	438.600	451.100	100.483%	101.307%
2	17:01:06	88.844%	5.951	-0.026	-0.007	430.400	446.900	103.600%	105.019%
3	17:01:48	89.981%	5.492	-0.029	-0.021	432.700	444.200	103.778%	105.762%
x		88.594%	5.935	-0.032	-0.014	433.900	447.400	102.621%	104.029%
σ		1.528%	0.436	0.009	0.007	4.224	3.479	1.853%	2.386%
%RSD		1.724	7.338	26.930	47.670	0.974	0.778	1.806	2.294

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:00:25	0.587	0.626	0.087	0.109	0.088	108.275%
2	17:01:06	0.631	0.623	0.094	0.065	0.092	111.743%
3	17:01:48	0.576	0.623	0.088	0.071	0.085	112.622%
x		0.598	0.624	0.090	0.081	0.089	110.880%
σ		0.029	0.001	0.004	0.024	0.003	2.298%
%RSD		4.842	0.195	4.188	29.480	3.824	2.073

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:04:37	72.706%	0.495	43.010	41.330	0.000	7927.000	6114.000	6083.000
2	17:05:19	72.798%	0.449	41.200	39.730	0.000	7904.000	6100.000	6101.000
3	17:06:00	72.305%	0.452	40.510	39.770	0.000	7890.000	6080.000	6064.000
x		72.603%	0.465	41.580	40.280	0.000	7907.000	6098.000	6083.000
σ		0.262%	0.026	1.292	0.911	0.000	18.890	17.020	18.390
%RSD		0.361	5.624	3.107	2.263	0.000	0.239	0.279	0.302

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:04:37	7322.000	29620.000	0.000	1418.000	8051.000	7821.000	83.238%	203.500
2	17:05:19	7294.000	29490.000	0.000	1405.000	8094.000	7789.000	83.100%	200.200
3	17:06:00	7240.000	29360.000	0.000	1404.000	8091.000	7724.000	83.001%	202.400
x		7285.000	29490.000	0.000	1409.000	8079.000	7778.000	83.113%	202.000
σ		41.460	132.200	0.000	7.826	23.760	49.330	0.119%	1.680
%RSD		0.569	0.449	0.000	0.555	0.294	0.634	0.143	0.832

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:04:37	9.391	129.300	144.200	18990.000	19140.000	7.304	33.090	15.500
2	17:05:19	10.770	129.700	140.800	19120.000	19280.000	7.413	32.100	15.410
3	17:06:00	10.410	128.500	139.500	18950.000	19160.000	7.584	32.190	15.270
x		10.190	129.200	141.500	19020.000	19200.000	7.434	32.460	15.390
σ		0.713	0.634	2.445	88.620	75.760	0.141	0.547	0.117
%RSD		7.000	0.491	1.728	0.466	0.395	1.902	1.686	0.757

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:04:37	15.810	12.700	12.630	-1.055	-2.803	-4.424	0.000	56.560
2	17:05:19	15.850	13.160	12.850	-0.495	-3.212	-4.629	0.000	55.990
3	17:06:00	15.650	12.600	12.800	-1.022	-3.688	-5.493	0.000	55.600
x		15.770	12.820	12.760	-0.857	-3.234	-4.848	0.000	56.050
σ		0.103	0.297	0.119	0.314	0.443	0.567	0.000	0.486
%RSD		0.654	2.319	0.931	36.650	13.700	11.700	0.000	0.868

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:04:37	94.150%	19.000	19.510	89.160%	-0.031	-0.028	0.050	0.011
2	17:05:19	95.279%	18.360	19.690	90.040%	-0.026	-0.035	0.054	0.065
3	17:06:00	95.560%	18.360	19.150	90.040%	-0.024	-0.033	0.046	0.048
x		94.997%	18.570	19.450	89.747%	-0.027	-0.032	0.050	0.041
σ		0.746%	0.368	0.275	0.508%	0.004	0.003	0.004	0.027
%RSD		0.786	1.980	1.413	0.566	13.390	10.670	8.489	66.760

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:04:37	93.755%	5.081	-0.063	-0.097	29.060	29.850	107.469%	108.007%
2	17:05:19	93.848%	5.218	-0.079	-0.085	29.320	30.070	109.388%	109.714%
3	17:06:00	94.730%	5.416	-0.087	-0.092	28.770	29.770	108.846%	110.516%
x		94.111%	5.238	-0.076	-0.091	29.050	29.900	108.568%	109.412%
σ		0.538%	0.168	0.012	0.006	0.277	0.157	0.990%	1.282%
%RSD		0.572	3.211	15.840	6.516	0.952	0.525	0.911	1.171

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:04:37	0.102	0.101	0.648	0.571	0.604	118.189%
2	17:05:19	0.088	0.104	0.655	0.597	0.598	120.356%
3	17:06:00	0.101	0.107	0.637	0.587	0.594	120.865%
x		0.097	0.104	0.647	0.585	0.599	119.803%
σ		0.008	0.003	0.009	0.013	0.005	1.421%
%RSD		7.810	3.112	1.358	2.253	0.799	1.186

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:08:51	73.194%	0.758	39.410	40.770	0.000	9660.000	3571.000	3545.000
2	17:09:32	71.038%	0.674	40.630	40.340	0.000	9797.000	3608.000	3620.000
3	17:10:14	70.540%	0.535	39.530	40.560	0.000	9794.000	3569.000	3622.000
x		71.591%	0.656	39.860	40.560	0.000	9750.000	3583.000	3596.000
σ		1.411%	0.113	0.674	0.215	0.000	78.370	22.160	43.590
%RSD		1.971	17.160	1.690	0.529	0.000	0.804	0.619	1.212

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:08:51	68.460	15210.000	0.000	1444.000	8184.000	7740.000	80.627%	2.183
2	17:09:32	63.830	15180.000	0.000	1445.000	7891.000	7750.000	81.018%	2.170
3	17:10:14	65.380	15270.000	0.000	1460.000	8024.000	7809.000	81.063%	2.471
x		65.890	15220.000	0.000	1450.000	8033.000	7766.000	80.903%	2.275
σ		2.355	47.040	0.000	8.871	146.700	37.460	0.240%	0.170
%RSD		3.575	0.309	0.000	0.612	1.826	0.482	0.297	7.488

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:08:51	3.040	2.082	17.040	58.310	85.120	0.042	0.727	1.062
2	17:09:32	3.584	2.078	14.390	49.390	74.620	0.056	0.684	0.953
3	17:10:14	3.799	2.100	14.690	47.910	78.330	0.059	0.797	0.935
x		3.474	2.086	15.370	51.870	79.350	0.052	0.736	0.983
σ		0.392	0.012	1.453	5.627	5.326	0.009	0.057	0.068
%RSD		11.270	0.569	9.454	10.850	6.712	17.650	7.772	6.954

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:08:51	0.987	10.730	11.700	-0.834	-3.369	-3.818	0.000	87.370
2	17:09:32	0.964	11.470	10.960	-0.422	-4.170	-4.460	0.000	87.270
3	17:10:14	0.875	11.600	10.890	0.086	-3.650	-2.891	0.000	87.160
x		0.942	11.270	11.180	-0.390	-3.730	-3.723	0.000	87.270
σ		0.059	0.470	0.449	0.460	0.406	0.789	0.000	0.104
%RSD		6.252	4.171	4.014	118.100	10.890	21.190	0.000	0.119

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:08:51	89.439%	0.352	0.493	87.742%	-0.028	-0.035	0.008	0.001
2	17:09:32	90.812%	0.407	0.400	89.238%	-0.033	-0.040	-0.085	-0.001
3	17:10:14	92.095%	0.358	0.452	89.712%	-0.030	-0.028	-0.089	-0.020
x		90.782%	0.373	0.448	88.897%	-0.031	-0.034	-0.055	-0.006
σ		1.328%	0.030	0.047	1.028%	0.003	0.006	0.055	0.012
%RSD		1.463	8.140	10.400	1.157	8.729	16.350	99.700	180.200

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:08:51	91.962%	4.286	-0.158	-0.161	4.369	4.307	104.576%	105.123%
2	17:09:32	93.362%	3.865	-0.147	-0.181	4.399	4.147	107.116%	108.222%
3	17:10:14	95.197%	4.015	-0.162	-0.170	4.263	4.190	108.716%	109.680%
x		93.507%	4.056	-0.156	-0.170	4.344	4.215	106.803%	107.675%
σ		1.622%	0.213	0.008	0.010	0.071	0.083	2.088%	2.327%
%RSD		1.735	5.261	5.168	5.803	1.637	1.966	1.955	2.161

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:08:51	0.006	0.013	0.665	0.722	0.705	111.653%
2	17:09:32	0.006	0.009	0.680	0.666	0.673	115.676%
3	17:10:14	0.008	0.008	0.703	0.736	0.682	117.482%
x		0.007	0.010	0.682	0.708	0.687	114.937%
σ		0.001	0.003	0.019	0.037	0.017	2.984%
%RSD		19.400	25.160	2.814	5.244	2.407	2.596

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:13:04	71.934%	0.232	20.930	20.880	0.000	4116.000	157.100	159.800
2	17:13:45	72.480%	0.254	19.890	21.670	0.000	4132.000	156.100	158.700
3	17:14:27	73.703%	0.317	18.490	20.100	0.000	4125.000	157.800	160.600
x		72.706%	0.268	19.770	20.880	0.000	4124.000	157.000	159.700
σ		0.906%	0.044	1.226	0.786	0.000	8.232	0.851	0.956
%RSD		1.246	16.550	6.201	3.765	0.000	0.200	0.542	0.599

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:13:04	357.100	14350.000	0.000	776.600	568.200	624.200	82.089%	9.367
2	17:13:45	357.500	14410.000	0.000	785.700	510.300	634.400	82.286%	9.852
3	17:14:27	358.000	14340.000	0.000	781.600	583.100	619.900	83.306%	10.390
x		357.500	14370.000	0.000	781.300	553.900	626.200	82.560%	9.870
σ		0.476	36.580	0.000	4.537	38.480	7.424	0.653%	0.512
%RSD		0.133	0.255	0.000	0.581	6.948	1.186	0.791	5.185

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:13:04	5.524	2.014	37.290	258.900	250.500	0.395	1.205	0.649
2	17:13:45	4.699	2.174	37.460	260.400	258.100	0.433	1.191	0.660
3	17:14:27	4.981	2.021	38.100	263.000	256.500	0.415	1.149	0.639
x		5.068	2.070	37.610	260.700	255.000	0.415	1.181	0.649
σ		0.420	0.090	0.429	2.064	3.984	0.019	0.029	0.010
%RSD		8.277	4.355	1.141	0.792	1.562	4.648	2.458	1.607

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:13:04	0.683	9.402	9.101	-1.002	-2.859	-3.922	0.000	7.489
2	17:13:45	0.568	9.040	9.335	-0.949	-4.133	-3.856	0.000	7.648
3	17:14:27	0.707	9.808	9.508	-0.863	-3.506	-4.019	0.000	7.629
x		0.653	9.417	9.315	-0.938	-3.499	-3.932	0.000	7.588
σ		0.074	0.385	0.204	0.070	0.637	0.082	0.000	0.087
%RSD		11.420	4.083	2.191	7.487	18.210	2.074	0.000	1.143

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:13:04	92.790%	0.304	0.309	90.558%	-0.040	-0.041	-0.069	-0.019
2	17:13:45	93.687%	0.286	0.369	91.645%	-0.039	-0.038	-0.010	0.011
3	17:14:27	94.710%	0.302	0.329	92.661%	-0.033	-0.040	0.075	0.088
x		93.729%	0.297	0.336	91.621%	-0.037	-0.040	-0.001	0.027
σ		0.961%	0.010	0.030	1.052%	0.004	0.002	0.072	0.055
%RSD		1.025	3.468	9.023	1.148	9.935	4.541	5786.000	206.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:13:04	95.396%	3.221	-0.149	-0.157	7.557	7.422	107.228%	108.770%
2	17:13:45	98.071%	3.467	-0.156	-0.177	7.338	7.371	110.641%	111.103%
3	17:14:27	98.447%	3.582	-0.143	-0.169	7.276	7.467	111.544%	112.346%
x		97.305%	3.423	-0.149	-0.168	7.390	7.420	109.804%	110.740%
σ		1.663%	0.184	0.007	0.010	0.148	0.048	2.277%	1.815%
%RSD		1.710	5.386	4.461	5.936	1.996	0.649	2.073	1.639

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:13:04	0.029	0.024	0.366	0.305	0.334	116.674%
2	17:13:45	0.037	0.032	0.367	0.295	0.341	119.062%
3	17:14:27	0.042	0.027	0.330	0.345	0.338	120.672%
x		0.036	0.028	0.355	0.315	0.338	118.803%
σ		0.007	0.004	0.021	0.027	0.004	2.011%
%RSD		18.960	15.270	5.942	8.448	1.070	1.693

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:17:18	80.842%	0.015	4.523	4.944	0.000	807.500	36.830	35.610
2	17:17:59	78.630%	0.059	5.134	4.519	0.000	806.500	34.050	33.080
3	17:18:41	77.623%	0.082	5.035	4.078	0.000	808.700	33.000	31.070
x		79.032%	0.052	4.897	4.514	0.000	807.500	34.630	33.250
σ		1.647%	0.034	0.328	0.433	0.000	1.081	1.978	2.275
%RSD		2.084	65.200	6.691	9.597	0.000	0.134	5.713	6.843

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:17:18	70.370	2951.000	0.000	140.500	118.900	139.700	92.380%	1.520
2	17:17:59	71.310	2969.000	0.000	142.600	127.400	126.500	91.901%	1.701
3	17:18:41	70.570	2980.000	0.000	144.300	91.710	133.500	90.917%	1.719
x		70.750	2967.000	0.000	142.500	112.700	133.200	91.732%	1.646
σ		0.498	14.510	0.000	1.866	18.650	6.610	0.746%	0.110
%RSD		0.704	0.489	0.000	1.310	16.550	4.961	0.813	6.695

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:17:18	1.337	0.508	11.840	52.850	45.480	0.083	0.296	0.400
2	17:17:59	1.795	0.457	9.271	50.770	46.620	0.086	0.272	0.377
3	17:18:41	1.282	0.454	8.563	50.610	43.440	0.067	0.271	0.301
x		1.471	0.473	9.890	51.410	45.180	0.079	0.280	0.359
σ		0.282	0.030	1.722	1.248	1.612	0.010	0.014	0.052
%RSD		19.160	6.426	17.410	2.428	3.568	12.500	5.181	14.340

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:17:18	0.436	2.179	2.113	-0.601	-2.444	-3.308	0.000	1.712
2	17:17:59	0.295	2.411	2.031	-0.657	-2.886	-3.154	0.000	1.622
3	17:18:41	0.408	2.028	1.906	-0.239	-1.925	-1.134	0.000	1.665
x		0.380	2.206	2.017	-0.499	-2.419	-2.532	0.000	1.666
σ		0.075	0.193	0.104	0.227	0.481	1.213	0.000	0.045
%RSD		19.680	8.745	5.148	45.480	19.890	47.920	0.000	2.685

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:17:18	94.312%	0.022	0.064	95.028%	-0.033	-0.039	-0.028	-0.012
2	17:17:59	95.620%	0.059	0.060	95.587%	-0.031	-0.036	-0.074	-0.036
3	17:18:41	95.912%	0.030	0.091	96.350%	-0.028	-0.037	-0.018	0.006
x		95.281%	0.037	0.072	95.655%	-0.031	-0.037	-0.040	-0.014
σ		0.852%	0.019	0.017	0.664%	0.003	0.002	0.030	0.021
%RSD		0.894	52.190	23.560	0.694	8.954	4.607	74.070	150.800

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:17:18	96.850%	1.258	-0.198	-0.206	1.412	1.525	105.479%	105.417%
2	17:17:59	99.327%	1.332	-0.197	-0.209	1.487	1.582	107.436%	108.147%
3	17:18:41	99.630%	0.871	-0.202	-0.207	1.432	1.527	109.084%	109.598%
x		98.602%	1.154	-0.199	-0.207	1.444	1.545	107.333%	107.721%
σ		1.525%	0.247	0.002	0.001	0.039	0.033	1.804%	2.123%
%RSD		1.547	21.440	1.212	0.631	2.716	2.114	1.681	1.970

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:17:18	0.005	-0.006	0.068	0.054	0.066	106.961%
2	17:17:59	0.006	-0.000	0.080	0.056	0.070	109.368%
3	17:18:41	-0.004	-0.003	0.064	0.070	0.067	111.344%
x		0.002	-0.003	0.071	0.060	0.068	109.224%
σ		0.006	0.003	0.008	0.009	0.002	2.195%
%RSD		245.400	85.390	11.660	14.290	2.827	2.010

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:21:32	70.121%	48.560	898.100	873.900	0.000	53790.000	47210.000	47290.000
2	17:22:14	70.081%	48.460	832.200	864.400	0.000	54010.000	46990.000	47130.000
3	17:22:56	69.475%	49.270	852.300	869.400	0.000	53400.000	46340.000	46480.000
x		69.893%	48.760	860.900	869.200	0.000	53730.000	46850.000	46970.000
σ		0.362%	0.438	33.760	4.747	0.000	311.400	453.100	428.500
%RSD		0.518	0.898	3.922	0.546	0.000	0.579	0.967	0.912

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:21:32	2559.000	23210.000	0.000	47820.000	48870.000	47680.000	80.290%	989.900
2	17:22:14	2554.000	22890.000	0.000	48190.000	48690.000	49200.000	79.765%	992.100
3	17:22:56	2522.000	22750.000	0.000	47410.000	47540.000	47250.000	81.038%	971.300
x		2545.000	22950.000	0.000	47810.000	48370.000	48040.000	80.364%	984.400
σ		20.110	233.700	0.000	391.100	724.000	1023.000	0.640%	11.460
%RSD		0.790	1.018	0.000	0.818	1.497	2.129	0.796	1.164

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:21:32	504.200	204.000	538.500	1324.000	1484.000	517.400	503.200	243.500
2	17:22:14	508.400	204.800	551.500	1387.000	1497.000	522.400	506.300	242.800
3	17:22:56	499.700	200.000	534.100	1307.000	1468.000	510.400	494.300	237.900
x		504.100	202.900	541.400	1339.000	1483.000	516.700	501.300	241.400
σ		4.323	2.562	9.032	41.860	14.510	6.032	6.190	3.034
%RSD		0.858	1.262	1.668	3.125	0.979	1.167	1.235	1.257

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:21:32	254.100	511.400	519.400	37.970	5.781	8.132	0.000	1020.000
2	17:22:14	252.800	522.000	520.500	36.800	7.757	9.166	0.000	1026.000
3	17:22:56	249.500	512.300	512.000	37.910	6.419	8.319	0.000	1008.000
x		252.100	515.200	517.300	37.560	6.653	8.539	0.000	1018.000
σ		2.369	5.898	4.588	0.661	1.008	0.551	0.000	9.031
%RSD		0.940	1.145	0.887	1.761	15.160	6.453	0.000	0.887

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:21:32	84.114%	1014.000	1061.000	85.292%	49.170	48.030	49.640	42.470
2	17:22:14	84.411%	1019.000	1067.000	86.269%	49.010	47.760	49.710	42.650
3	17:22:56	86.071%	1012.000	1063.000	86.534%	49.570	48.620	48.650	43.400
x		84.865%	1015.000	1063.000	86.032%	49.250	48.140	49.330	42.840
σ		1.055%	3.486	3.048	0.654%	0.287	0.437	0.592	0.496
%RSD		1.243	0.343	0.287	0.760	0.584	0.909	1.200	1.157

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:21:32	90.361%	2004.000	482.900	488.900	1828.000	1883.000	104.568%	105.454%
2	17:22:14	92.151%	1996.000	483.200	490.500	1807.000	1878.000	106.329%	108.043%
3	17:22:56	92.182%	2013.000	485.700	491.700	1820.000	1892.000	107.173%	108.379%
x		91.565%	2004.000	483.900	490.400	1818.000	1885.000	106.023%	107.292%
σ		1.042%	8.416	1.561	1.370	10.560	7.306	1.329%	1.601%
%RSD		1.138	0.420	0.323	0.279	0.581	0.388	1.254	1.492

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:21:32	52.740	51.630	22.350	22.140	22.270	105.676%
2	17:22:14	52.370	51.770	21.830	22.100	22.080	108.934%
3	17:22:56	53.030	51.810	22.250	21.920	22.200	109.613%
x		52.710	51.740	22.150	22.050	22.180	108.075%
σ		0.331	0.094	0.278	0.117	0.097	2.105%
%RSD		0.629	0.181	1.257	0.529	0.438	1.947

180-14677-C-11-C MSD 10/10/2012 5:25:05 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	17:25:47	74.189%	48.680	911.200	898.800	0.000	52970.000	46490.000	46690.000
2	17:26:28	74.429%	46.900	916.400	896.200	0.000	52740.000	46380.000	46500.000
3	17:27:10	73.632%	49.700	889.100	868.400	0.000	52760.000	46310.000	46420.000
x		74.084%	48.430	905.600	887.800	0.000	52820.000	46390.000	46540.000
σ		0.409%	1.414	14.480	16.860	0.000	125.200	95.040	140.100
%RSD		0.552	2.919	1.599	1.900	0.000	0.237	0.205	0.301

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:25:47	2560.000	23610.000	0.000	47690.000	47780.000	48620.000	81.849%	976.400
2	17:26:28	2536.000	23180.000	0.000	47500.000	47600.000	47310.000	82.505%	982.100
3	17:27:10	2535.000	23360.000	0.000	47310.000	48490.000	47260.000	82.306%	979.000
x		2544.000	23380.000	0.000	47500.000	47960.000	47730.000	82.220%	979.100
σ		14.130	213.300	0.000	191.100	471.100	772.000	0.336%	2.868
%RSD		0.555	0.912	0.000	0.402	0.982	1.617	0.409	0.293

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:25:47	504.100	201.500	537.000	1354.000	1510.000	520.600	511.100	245.800
2	17:26:28	503.900	202.000	535.500	1351.000	1509.000	517.800	506.800	245.300
3	17:27:10	502.200	200.800	538.700	1406.000	1505.000	516.400	503.500	242.600
x		503.400	201.500	537.100	1370.000	1508.000	518.300	507.100	244.600
σ		1.022	0.585	1.597	31.030	2.806	2.165	3.808	1.696
%RSD		0.203	0.290	0.297	2.264	0.186	0.418	0.751	0.694

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:25:47	255.600	514.300	519.300	36.490	6.648	6.670	0.000	1034.000
2	17:26:28	256.600	517.900	512.900	37.570	6.754	8.294	0.000	1031.000
3	17:27:10	254.700	514.800	511.100	37.320	7.589	9.235	0.000	1029.000
x		255.600	515.700	514.500	37.130	6.997	8.066	0.000	1031.000
σ		0.935	1.925	4.310	0.567	0.516	1.298	0.000	2.600
%RSD		0.366	0.373	0.838	1.526	7.368	16.090	0.000	0.252

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:25:47	83.369%	1028.000	1068.000	85.751%	49.630	48.630	49.450	42.470
2	17:26:28	84.199%	1030.000	1070.000	86.350%	49.180	48.260	48.690	43.440
3	17:27:10	84.225%	1037.000	1070.000	86.736%	49.200	48.250	49.500	42.870
x		83.931%	1032.000	1069.000	86.279%	49.340	48.380	49.210	42.920
σ		0.487%	4.574	0.881	0.496%	0.252	0.217	0.453	0.488
%RSD		0.580	0.443	0.082	0.575	0.511	0.449	0.920	1.137

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:25:47	89.306%	2029.000	486.700	492.900	1822.000	1883.000	103.506%	104.967%
2	17:26:28	91.103%	2010.000	481.300	489.100	1824.000	1881.000	104.321%	106.780%
3	17:27:10	91.081%	2019.000	484.100	489.700	1829.000	1885.000	105.405%	106.552%
x		90.497%	2020.000	484.000	490.600	1825.000	1883.000	104.411%	106.100%
σ		1.031%	9.828	2.710	2.061	3.618	1.600	0.953%	0.988%
%RSD		1.140	0.487	0.560	0.420	0.198	0.085	0.912	0.931

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:25:47	53.040	51.920	21.520	21.600	21.690	104.873%
2	17:26:28	52.360	52.300	21.480	21.810	21.690	106.699%
3	17:27:10	52.220	51.720	21.380	21.340	21.470	107.474%
x		52.540	51.980	21.460	21.580	21.620	106.349%
σ		0.437	0.291	0.071	0.237	0.125	1.335%
%RSD		0.832	0.559	0.330	1.097	0.580	1.256

CCV 586960 10/10/2012 5:32:12 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	17:32:54	80.720%	103.300	101.300	97.030	0.000	49130.000	48530.000	48470.000
2	17:33:35	80.714%	101.800	97.550	95.390	0.000	49520.000	48640.000	48780.000
3	17:34:17	80.299%	103.600	99.980	96.910	0.000	49640.000	48690.000	48630.000
x		80.578%	102.919%	99.622%	96.443%	0.000	98.859%	97.237%	97.254%
σ		0.242%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.300	0.927	1.925	0.948	0.000	0.537	0.171	0.319

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:32:54	482.200	4835.000	0.000	47400.000	46880.000	47390.000	92.078%	99.130
2	17:33:35	482.400	4824.000	0.000	47940.000	48200.000	47920.000	91.243%	98.820
3	17:34:17	486.500	4830.000	0.000	48170.000	47650.000	48320.000	91.058%	99.890
x		96.740%	96.587%	0.000	95.676%	95.151%	95.752%	91.460%	99.279%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.543%	n/a
%RSD		0.510	0.110	0.000	0.830	1.393	0.969	0.594	0.558

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:32:54	94.730	96.040	477.200	24330.000	24410.000	96.540	96.040	96.230
2	17:33:35	95.310	98.050	482.300	24550.000	24800.000	98.220	98.210	97.640
3	17:34:17	95.840	97.910	486.400	24730.000	24980.000	98.210	98.630	97.260
x		95.294%	97.335%	96.398%	98.155%	98.918%	97.657%	97.625%	97.044%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.581	1.151	0.956	0.824	1.183	0.988	1.426	0.752

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:32:54	97.660	102.300	101.700	96.970	96.850	98.790	0.000	94.480
2	17:33:35	98.770	102.700	102.500	96.670	99.980	97.720	0.000	95.410
3	17:34:17	98.520	102.300	103.000	98.390	99.080	101.100	0.000	95.320
x		98.315%	102.445%	102.418%	97.340%	98.637%	99.200%	0.000	95.071%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.594	0.254	0.659	0.946	1.632	1.740	0.000	0.544

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:32:54	93.394%	94.810	97.570	91.590%	96.760	95.930	99.360	95.750
2	17:33:35	94.390%	98.740	101.000	92.223%	97.620	96.660	99.250	98.230
3	17:34:17	94.276%	101.100	102.800	92.303%	98.490	96.950	99.490	97.710
x		94.020%	98.217%	100.434%	92.038%	97.625%	96.512%	99.368%	97.231%
σ		0.545%	n/a	n/a	0.390%	n/a	n/a	n/a	n/a
%RSD		0.580	3.231	2.624	0.424	0.883	0.547	0.118	1.350

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:32:54	94.067%	97.810	97.320	97.370	93.390	93.640	99.843%	101.967%
2	17:33:35	94.540%	99.190	98.550	98.830	95.780	95.990	102.340%	103.261%
3	17:34:17	95.409%	99.290	98.500	99.190	93.540	94.690	103.462%	103.700%
x		94.672%	98.763%	98.123%	98.462%	94.240%	94.775%	101.881%	102.976%
σ		0.681%	n/a	n/a	n/a	n/a	n/a	1.852%	0.901%
%RSD		0.719	0.834	0.711	0.979	1.419	1.243	1.818	0.875

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:32:54	102.000	101.100	103.000	102.700	103.000	104.478%
2	17:33:35	103.000	101.800	103.400	103.400	103.800	106.349%
3	17:34:17	103.000	102.300	104.100	103.300	104.200	106.658%
x		102.685%	101.707%	103.508%	103.111%	103.671%	105.829%
σ		n/a	n/a	n/a	n/a	n/a	1.180%
%RSD		0.575	0.614	0.505	0.338	0.564	1.115

CCB3 10/10/2012 5:39:22 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	17:40:03	85.655%	0.012	2.347	3.382	0.000	7.731	3.506	3.689
2	17:40:45	85.974%	0.022	3.195	2.481	0.000	7.278	3.188	3.273
3	17:41:26	84.316%	0.023	2.996	2.904	0.000	8.388	3.568	3.879
x		85.315%	0.019	2.846	2.922	0.000	7.799	3.421	3.614
σ		0.880%	0.006	0.443	0.451	0.000	0.558	0.204	0.310
%RSD		1.031	30.750	15.580	15.430	0.000	7.157	5.952	8.586

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:40:03	0.825	2.708	0.000	7.277	13.480	2.958	93.886%	-0.039
2	17:40:45	0.660	2.431	0.000	6.321	8.998	2.435	93.882%	0.038
3	17:41:26	0.798	2.768	0.000	8.413	7.493	3.898	94.062%	0.038
x		0.761	2.636	0.000	7.337	9.991	3.097	93.943%	0.012
σ		0.089	0.180	0.000	1.047	3.117	0.741	0.103%	0.045
%RSD		11.640	6.828	0.000	14.270	31.190	23.940	0.110	359.100

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:40:03	0.036	-0.006	0.077	8.426	10.840	0.008	-0.023	-0.003
2	17:40:45	0.028	-0.035	0.075	4.669	5.712	0.005	0.020	-0.034
3	17:41:26	0.043	-0.000	0.096	2.597	6.552	0.004	0.023	-0.015
x		0.036	-0.014	0.083	5.230	7.701	0.006	0.007	-0.017
σ		0.007	0.018	0.011	2.955	2.749	0.002	0.026	0.015
%RSD		19.850	134.700	13.840	56.490	35.700	39.530	386.700	87.360

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:40:03	-0.035	0.000	0.047	-0.458	-0.385	-2.244	0.000	0.007
2	17:40:45	-0.050	0.159	0.044	-0.118	-1.014	-0.656	0.000	0.018
3	17:41:26	-0.047	0.035	-0.037	-0.196	0.321	-0.964	0.000	0.009
x		-0.044	0.065	0.018	-0.258	-0.360	-1.288	0.000	0.011
σ		0.008	0.083	0.047	0.178	0.668	0.842	0.000	0.006
%RSD		17.420	128.600	262.100	69.220	185.800	65.370	0.000	53.070

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:40:03	96.374%	0.703	0.747	97.090%	-0.025	-0.030	-0.029	-0.036
2	17:40:45	97.059%	0.545	0.693	98.656%	-0.029	-0.031	-0.068	-0.049
3	17:41:26	98.049%	0.469	0.541	99.121%	-0.022	-0.024	0.019	0.020
x		97.160%	0.572	0.660	98.289%	-0.026	-0.028	-0.026	-0.022
σ		0.842%	0.119	0.106	1.064%	0.003	0.004	0.044	0.037
%RSD		0.866	20.860	16.110	1.082	12.870	12.630	165.500	169.200

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:40:03	97.383%	0.217	-0.153	-0.190	0.013	-0.003	101.083%	102.321%
2	17:40:45	99.159%	-0.027	-0.177	-0.179	-0.017	0.001	103.309%	104.402%
3	17:41:26	100.283%	-0.141	-0.176	-0.160	0.041	0.005	104.269%	104.851%
x		98.942%	0.016	-0.169	-0.176	0.012	0.001	102.887%	103.858%
σ		1.462%	0.183	0.014	0.015	0.029	0.004	1.635%	1.350%
%RSD		1.478	1113.000	8.005	8.630	240.100	329.700	1.589	1.300

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:40:03	0.054	0.077	0.014	0.021	0.016	109.710%
2	17:40:45	0.076	0.059	0.023	0.020	0.015	111.799%
3	17:41:26	0.068	0.060	0.002	-0.010	0.008	112.902%
x		0.066	0.066	0.013	0.010	0.013	111.470%
σ		0.011	0.010	0.010	0.017	0.005	1.621%
%RSD		17.290	15.320	79.410	173.300	36.320	1.454

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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	17:44:20	70.524%	1.351	117.700	122.000	0.000	76750.000	12300.000	12380.000
2	17:45:02	69.980%	1.481	121.000	124.400	0.000	76030.000	12210.000	12300.000
3	17:45:43	71.059%	1.602	113.700	125.200	0.000	75740.000	12200.000	12280.000
x		70.521%	1.478	117.500	123.800	0.000	76170.000	12240.000	12320.000
σ		0.539%	0.125	3.634	1.678	0.000	516.300	54.560	52.840
%RSD		0.765	8.477	3.094	1.355	0.000	0.678	0.446	0.429

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:44:20	37.480	7768.000	0.000	5676.000	134300.000	135100.000	77.275%	3.101
2	17:45:02	37.520	7717.000	0.000	5630.000	133000.000	134100.000	77.654%	2.823
3	17:45:43	38.030	7756.000	0.000	5625.000	133500.000	134300.000	78.046%	3.346
x		37.680	7747.000	0.000	5644.000	133600.000	134500.000	77.658%	3.090
σ		0.306	26.650	0.000	28.350	662.200	542.000	0.385%	0.262
%RSD		0.811	0.344	0.000	0.502	0.496	0.403	0.496	8.464

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:44:20	0.911	1.022	26420.000	108.600	622.500	0.540	2.318	1.136
2	17:45:02	1.070	1.002	26240.000	102.500	605.200	0.514	2.472	1.162
3	17:45:43	0.961	1.036	26220.000	99.820	599.500	0.544	2.366	1.128
x		0.980	1.020	26290.000	103.600	609.000	0.532	2.385	1.142
σ		0.082	0.017	112.000	4.480	11.960	0.017	0.079	0.018
%RSD		8.319	1.683	0.426	4.324	1.964	3.099	3.317	1.564

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:44:20	0.968	38.840	40.210	-0.322	-3.751	-4.310	0.000	1151.000
2	17:45:02	1.005	37.700	40.020	-0.084	-3.494	-3.184	0.000	1147.000
3	17:45:43	0.974	38.990	38.650	-1.402	-3.061	-4.437	0.000	1193.000
x		0.982	38.510	39.630	-0.603	-3.436	-3.977	0.000	1164.000
σ		0.020	0.703	0.851	0.702	0.349	0.690	0.000	25.470
%RSD		2.025	1.826	2.147	116.600	10.150	17.340	0.000	2.188

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:44:20	89.951%	1.559	1.450	81.647%	0.018	0.045	3.484	3.366
2	17:45:02	91.478%	1.228	1.231	82.594%	0.025	0.007	3.714	3.505
3	17:45:43	91.487%	1.075	1.038	82.673%	0.033	0.022	3.522	3.488
x		90.972%	1.287	1.239	82.305%	0.026	0.025	3.573	3.453
σ		0.884%	0.247	0.207	0.571%	0.007	0.019	0.123	0.076
%RSD		0.972	19.210	16.660	0.694	28.630	77.060	3.449	2.194

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:44:20	87.062%	11.370	0.060	0.101	444.800	449.600	100.591%	102.586%
2	17:45:02	88.542%	9.617	-0.014	0.022	434.300	449.400	102.598%	103.906%
3	17:45:43	88.995%	8.557	0.005	0.044	436.300	448.100	103.459%	105.332%
x		88.200%	9.846	0.017	0.056	438.500	449.000	102.216%	103.941%
σ		1.011%	1.418	0.038	0.041	5.545	0.815	1.472%	1.373%
%RSD		1.146	14.400	225.000	73.600	1.265	0.182	1.440	1.321

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:44:20	0.642	0.693	0.080	0.073	0.080	108.638%
2	17:45:02	0.663	0.662	0.078	0.069	0.070	110.727%
3	17:45:43	0.703	0.687	0.074	0.081	0.076	111.022%
x		0.669	0.681	0.077	0.074	0.076	110.129%
σ		0.031	0.017	0.003	0.006	0.005	1.300%
%RSD		4.632	2.454	3.627	8.173	6.624	1.180

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:48:35	77.990%	-0.016	35.970	35.910	0.000	89.550	1.563	2.201
2	17:49:16	76.851%	-0.004	34.380	33.180	0.000	88.090	1.586	1.766
3	17:49:58	76.494%	0.061	33.340	35.220	0.000	88.250	1.220	1.353
x		77.112%	0.014	34.560	34.770	0.000	88.630	1.456	1.773
σ		0.782%	0.041	1.325	1.418	0.000	0.799	0.205	0.424
%RSD		1.014	304.400	3.833	4.078	0.000	0.901	14.080	23.930

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:48:35	13.810	110.100	0.000	-15.000	10.330	21.170	112.473%	0.370
2	17:49:16	14.180	108.800	0.000	-15.400	18.100	18.240	111.880%	0.319
3	17:49:58	13.320	105.800	0.000	-15.760	7.806	13.030	112.565%	0.238
x		13.770	108.200	0.000	-15.390	12.080	17.480	112.306%	0.309
σ		0.429	2.223	0.000	0.379	5.367	4.123	0.372%	0.067
%RSD		3.116	2.054	0.000	2.460	44.420	23.590	0.331	21.600

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:48:35	0.914	0.732	1.359	-17.480	-1.047	0.006	0.139	0.317
2	17:49:16	1.239	0.818	0.803	-17.900	-4.594	0.003	0.082	0.292
3	17:49:58	0.985	0.660	0.535	-18.870	-4.975	-0.001	0.103	0.286
x		1.046	0.737	0.899	-18.080	-3.539	0.003	0.108	0.298
σ		0.171	0.079	0.420	0.713	2.167	0.004	0.029	0.016
%RSD		16.350	10.700	46.720	3.943	61.230	125.000	26.690	5.503

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:48:35	0.230	5.243	4.966	-1.475	-2.354	-4.329	0.000	0.133
2	17:49:16	0.301	5.341	5.023	-1.678	-1.630	-4.797	0.000	0.079
3	17:49:58	0.208	5.061	5.148	-0.923	-4.400	-3.279	0.000	0.066
x		0.246	5.215	5.046	-1.359	-2.795	-4.135	0.000	0.092
σ		0.049	0.142	0.093	0.391	1.436	0.778	0.000	0.036
%RSD		19.710	2.727	1.849	28.750	51.400	18.800	0.000	38.660

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:48:35	83.192%	0.268	0.390	86.411%	-0.033	-0.031	-0.045	-0.012
2	17:49:16	85.399%	0.263	0.307	88.014%	-0.032	-0.043	-0.020	-0.000
3	17:49:58	85.436%	0.278	0.272	88.321%	-0.033	-0.042	0.013	-0.015
x		84.676%	0.270	0.323	87.582%	-0.033	-0.039	-0.017	-0.009
σ		1.285%	0.008	0.061	1.026%	0.001	0.007	0.029	0.008
%RSD		1.518	2.796	18.740	1.171	2.062	16.990	170.100	87.060

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:48:35	89.690%	5.141	-0.177	-0.181	0.101	0.175	100.101%	101.659%
2	17:49:16	91.750%	5.020	-0.170	-0.173	0.136	0.130	102.854%	104.356%
3	17:49:58	92.236%	5.042	-0.175	-0.153	0.165	0.120	104.154%	105.056%
x		91.226%	5.068	-0.174	-0.169	0.134	0.142	102.370%	103.690%
σ		1.351%	0.065	0.004	0.014	0.032	0.029	2.069%	1.793%
%RSD		1.481	1.277	2.127	8.555	23.980	20.530	2.021	1.730

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:48:35	0.037	0.039	0.041	0.032	0.035	111.965%
2	17:49:16	0.021	0.040	0.051	0.028	0.037	115.419%
3	17:49:58	0.032	0.022	0.033	0.044	0.036	116.288%
x		0.030	0.034	0.042	0.035	0.036	114.557%
σ		0.008	0.010	0.009	0.009	0.001	2.287%
%RSD		27.580	30.550	22.280	24.520	2.910	1.996

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:56:25	82.280%	0.035	0.917	1.207	0.000	4.468	0.291	0.398
2	17:57:07	82.898%	-0.037	0.458	1.141	0.000	4.386	0.451	0.479
3	17:57:49	80.103%	-0.005	1.138	1.077	0.000	7.459	1.264	0.808
x		81.760%	-0.002	0.838	1.142	0.000	5.438	0.669	0.562
σ		1.468%	0.036	0.347	0.065	0.000	1.751	0.522	0.218
%RSD		1.796	1527.000	41.390	5.678	0.000	32.200	78.080	38.740

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:56:25	-0.187	2.290	0.000	-3.480	-1.115	0.245	88.669%	-0.067
2	17:57:07	-0.286	2.911	0.000	-2.595	5.244	0.921	88.365%	-0.034
3	17:57:49	-0.192	2.737	0.000	-1.979	11.660	3.546	88.177%	-0.100
x		-0.222	2.646	0.000	-2.685	5.263	1.571	88.404%	-0.067
σ		0.056	0.320	0.000	0.754	6.388	1.744	0.248%	0.033
%RSD		25.110	12.100	0.000	28.100	121.400	111.100	0.281	48.880

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:56:25	0.126	0.058	0.950	-4.051	-1.644	-0.005	0.007	0.027
2	17:57:07	0.065	0.038	0.976	-4.430	-2.133	-0.005	-0.035	0.017
3	17:57:49	-0.192	0.073	1.505	-4.862	-0.048	-0.002	0.007	-0.004
x		-0.000	0.056	1.143	-4.447	-1.275	-0.004	-0.007	0.013
σ		0.169	0.017	0.313	0.406	1.091	0.002	0.024	0.016
%RSD		215200.000	31.050	27.390	9.124	85.530	51.470	332.800	121.800

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:56:25	-0.049	0.125	0.115	-0.396	-1.670	-1.980	0.000	0.033
2	17:57:07	-0.024	0.145	-0.043	-0.239	-1.877	-1.993	0.000	0.029
3	17:57:49	-0.013	-0.011	0.051	-0.443	-1.943	-1.766	0.000	0.070
x		-0.029	0.086	0.041	-0.359	-1.830	-1.913	0.000	0.044
σ		0.019	0.085	0.079	0.107	0.143	0.128	0.000	0.022
%RSD		64.670	97.990	195.000	29.700	7.788	6.667	0.000	50.340

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:56:25	91.196%	0.066	0.122	92.077%	-0.037	-0.037	0.007	-0.025
2	17:57:07	92.884%	0.034	0.076	93.922%	-0.029	-0.040	0.021	0.010
3	17:57:49	92.582%	0.078	0.066	93.589%	-0.033	-0.033	-0.127	-0.081
x		92.221%	0.059	0.088	93.196%	-0.033	-0.037	-0.033	-0.032
σ		0.900%	0.022	0.029	0.983%	0.004	0.004	0.082	0.046
%RSD		0.976	37.810	33.500	1.055	12.190	10.210	246.500	144.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:56:25	92.999%	1.359	-0.186	-0.213	0.022	0.012	98.603%	100.191%
2	17:57:07	94.671%	1.297	-0.206	-0.220	0.028	0.028	100.847%	102.388%
3	17:57:49	94.852%	1.180	-0.196	-0.210	0.066	0.028	100.854%	102.560%
x		94.174%	1.279	-0.196	-0.214	0.039	0.023	100.102%	101.713%
σ		1.022%	0.091	0.010	0.005	0.024	0.010	1.297%	1.321%
%RSD		1.085	7.119	5.002	2.423	61.620	42.670	1.296	1.299

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:56:25	0.009	0.013	-0.020	-0.016	-0.011	107.962%
2	17:57:07	0.010	0.010	0.004	-0.013	-0.004	108.288%
3	17:57:49	-0.001	0.005	-0.009	-0.014	-0.010	108.088%
x		0.006	0.009	-0.009	-0.014	-0.008	108.112%
σ		0.006	0.004	0.012	0.002	0.004	0.165%
%RSD		104.700	38.820	137.400	12.170	50.120	0.152

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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	18:00:39	67.693%	52.810	905.600	905.500	0.000	50280.000	47600.000	47560.000
2	18:01:21	67.395%	50.370	868.700	879.800	0.000	50860.000	47970.000	47770.000
3	18:02:02	66.557%	51.370	873.600	854.500	0.000	50560.000	47190.000	47430.000
x		67.215%	51.510	882.600	879.900	0.000	50570.000	47590.000	47590.000
σ		0.589%	1.225	20.030	25.480	0.000	289.400	388.900	176.700
%RSD		0.876	2.378	2.270	2.896	0.000	0.572	0.817	0.371

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:00:39	1944.000	9054.000	0.000	47580.000	48080.000	47110.000	77.188%	981.800
2	18:01:21	1958.000	9051.000	0.000	48600.000	49140.000	48040.000	76.760%	990.900
3	18:02:02	1949.000	8952.000	0.000	47530.000	47680.000	47290.000	77.835%	979.200
x		1951.000	9019.000	0.000	47900.000	48300.000	47480.000	77.261%	984.000
σ		7.141	57.740	0.000	604.300	758.100	492.800	0.541%	6.169
%RSD		0.366	0.640	0.000	1.262	1.570	1.038	0.700	0.627

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:00:39	504.300	202.600	502.200	1075.000	1229.000	519.300	505.500	246.300
2	18:01:21	512.300	204.900	512.400	1091.000	1223.000	522.300	507.000	246.200
3	18:02:02	505.000	201.900	504.100	1071.000	1204.000	515.600	498.700	242.400
x		507.200	203.100	506.200	1079.000	1219.000	519.100	503.800	245.000
σ		4.403	1.600	5.455	10.960	13.090	3.324	4.432	2.196
%RSD		0.868	0.788	1.077	1.016	1.074	0.640	0.880	0.897

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:00:39	257.200	539.800	532.400	38.660	6.596	9.084	0.000	1007.000
2	18:01:21	255.800	541.700	536.900	38.100	8.125	8.920	0.000	997.300
3	18:02:02	252.600	535.200	538.400	38.360	7.492	9.494	0.000	998.900
x		255.200	538.900	535.900	38.370	7.404	9.166	0.000	1001.000
σ		2.360	3.347	3.136	0.278	0.768	0.295	0.000	5.067
%RSD		0.925	0.621	0.585	0.724	10.370	3.222	0.000	0.506

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:00:39	81.336%	1005.000	1042.000	82.130%	49.140	48.370	50.800	44.870
2	18:01:21	83.547%	1002.000	1056.000	83.853%	49.570	48.060	50.020	43.350
3	18:02:02	83.778%	1007.000	1060.000	84.649%	49.230	47.910	50.410	43.190
x		82.887%	1005.000	1053.000	83.544%	49.310	48.110	50.410	43.800
σ		1.348%	2.320	9.084	1.288%	0.230	0.232	0.392	0.926
%RSD		1.626	0.231	0.863	1.542	0.466	0.483	0.777	2.113

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:00:39	86.549%	1986.000	491.800	497.400	1817.000	1868.000	99.102%	101.216%
2	18:01:21	89.441%	1974.000	487.300	491.900	1795.000	1855.000	103.104%	103.843%
3	18:02:02	90.309%	1984.000	489.200	494.100	1806.000	1859.000	104.663%	105.350%
x		88.766%	1981.000	489.500	494.500	1806.000	1861.000	102.290%	103.469%
σ		1.969%	6.566	2.273	2.742	10.840	6.654	2.869%	2.092%
%RSD		2.218	0.331	0.464	0.554	0.600	0.358	2.804	2.022

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:00:39	47.530	46.870	20.010	19.170	19.800	110.676%
2	18:01:21	48.910	48.040	19.920	20.180	20.060	113.121%
3	18:02:02	49.140	48.040	20.310	20.070	20.130	114.646%
x		48.530	47.650	20.080	19.800	20.000	112.814%
σ		0.868	0.678	0.201	0.552	0.174	2.002%
%RSD		1.788	1.422	0.999	2.789	0.872	1.775

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:07:45	72.682%	-0.014	53.810	51.300	0.000	95040.000	31370.000	31240.000
2	18:08:26	72.470%	0.021	52.380	50.560	0.000	93780.000	30850.000	30720.000
3	18:09:08	71.491%	-0.013	46.700	50.170	0.000	94440.000	31070.000	31090.000
x		72.214%	-0.002	50.960	50.680	0.000	94420.000	31100.000	31020.000
σ		0.635%	0.020	3.760	0.573	0.000	631.300	263.700	266.800
%RSD		0.880	1078.000	7.379	1.131	0.000	0.669	0.848	0.860

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:07:45	108.500	3975.000	0.000	1895.000	128300.000	128300.000	79.707%	4.975
2	18:08:26	110.500	3935.000	0.000	1909.000	126600.000	127200.000	80.511%	2.529
3	18:09:08	104.400	3924.000	0.000	1880.000	127500.000	128700.000	79.840%	2.314
x		107.800	3945.000	0.000	1895.000	127500.000	128100.000	80.019%	3.273
σ		3.103	26.990	0.000	14.260	801.500	754.000	0.431%	1.478
%RSD		2.878	0.684	0.000	0.752	0.629	0.589	0.538	45.170

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:07:45	2.532	1.594	1237.000	217.400	726.700	2.028	5.602	1.320
2	18:08:26	1.982	1.471	1219.000	211.900	707.300	2.082	5.084	1.272
3	18:09:08	2.107	1.568	1296.000	215.700	696.300	2.048	5.220	1.401
x		2.207	1.544	1251.000	215.000	710.100	2.053	5.302	1.331
σ		0.289	0.065	40.540	2.819	15.360	0.028	0.269	0.065
%RSD		13.070	4.212	3.242	1.311	2.162	1.340	5.067	4.900

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:07:45	1.331	7.096	7.282	0.016	-2.250	-2.624	0.000	646.300
2	18:08:26	1.188	7.190	7.745	-0.455	-2.871	-3.797	0.000	638.800
3	18:09:08	1.266	7.308	7.760	0.177	-3.794	-1.700	0.000	643.300
x		1.262	7.198	7.596	-0.087	-2.972	-2.707	0.000	642.800
σ		0.071	0.106	0.272	0.328	0.777	1.051	0.000	3.770
%RSD		5.656	1.473	3.580	376.600	26.140	38.840	0.000	0.587

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:07:45	86.488%	3.061	3.396	83.198%	-0.030	-0.046	-0.055	-0.071
2	18:08:26	88.475%	2.225	2.423	84.631%	-0.031	-0.034	0.090	-0.029
3	18:09:08	88.476%	1.941	1.888	84.680%	-0.039	-0.040	-0.024	-0.015
x		87.813%	2.409	2.569	84.170%	-0.033	-0.040	0.003	-0.038
σ		1.147%	0.582	0.765	0.842%	0.005	0.006	0.077	0.029
%RSD		1.306	24.170	29.760	1.000	14.990	14.910	2213.000	76.840

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:07:45	87.573%	9.878	-0.123	-0.116	162.500	166.600	99.627%	100.701%
2	18:08:26	89.642%	8.141	-0.124	-0.140	161.900	164.900	102.623%	104.172%
3	18:09:08	90.184%	7.439	-0.139	-0.153	161.200	165.700	103.538%	104.621%
x		89.133%	8.486	-0.129	-0.136	161.800	165.700	101.929%	103.165%
σ		1.378%	1.255	0.009	0.019	0.630	0.817	2.045%	2.146%
%RSD		1.545	14.790	7.058	14.000	0.389	0.493	2.007	2.080

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:07:45	0.293	0.234	0.211	0.176	0.187	106.090%
2	18:08:26	0.216	0.181	0.167	0.157	0.180	109.681%
3	18:09:08	0.162	0.139	0.188	0.211	0.178	110.474%
x		0.224	0.185	0.189	0.181	0.182	108.748%
σ		0.066	0.048	0.022	0.028	0.005	2.336%
%RSD		29.560	25.890	11.730	15.330	2.575	2.148

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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	18:11:57	79.018%	-0.015	12.910	12.300	0.000	18670.000	6197.000	6189.000
2	18:12:38	76.116%	-0.015	11.350	12.430	0.000	19050.000	6348.000	6389.000
3	18:13:20	75.919%	0.030	10.110	11.410	0.000	19010.000	6301.000	6351.000
x		77.018%	-0.000	11.460	12.050	0.000	18910.000	6282.000	6310.000
σ		1.735%	0.026	1.401	0.553	0.000	208.700	77.440	106.100
%RSD		2.253	17680.000	12.230	4.594	0.000	1.104	1.233	1.682

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:11:57	20.800	744.100	0.000	370.500	25080.000	24320.000	86.474%	0.789
2	18:12:38	21.270	766.200	0.000	374.000	26140.000	24790.000	85.479%	0.342
3	18:13:20	21.780	760.000	0.000	375.700	25610.000	24780.000	84.622%	0.346
x		21.280	756.800	0.000	373.400	25610.000	24630.000	85.525%	0.492
σ		0.492	11.420	0.000	2.654	529.500	266.000	0.927%	0.257
%RSD		2.312	1.509	0.000	0.711	2.068	1.080	1.084	52.290

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:11:57	0.827	0.354	242.700	44.970	147.800	0.433	1.150	0.279
2	18:12:38	0.582	0.360	247.100	44.460	139.000	0.423	0.941	0.286
3	18:13:20	0.696	0.345	248.300	44.640	138.600	0.467	1.152	0.281
x		0.702	0.353	246.000	44.690	141.800	0.441	1.081	0.282
σ		0.123	0.008	2.937	0.260	5.196	0.023	0.121	0.003
%RSD		17.450	2.132	1.194	0.583	3.665	5.161	11.230	1.214

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:11:57	0.270	1.566	1.676	-0.304	-1.941	-1.956	0.000	123.900
2	18:12:38	0.299	1.913	1.717	-0.033	-2.146	-1.219	0.000	126.800
3	18:13:20	0.262	1.588	1.967	0.093	-2.758	-1.099	0.000	125.300
x		0.277	1.689	1.787	-0.081	-2.282	-1.425	0.000	125.300
σ		0.020	0.194	0.158	0.203	0.425	0.464	0.000	1.441
%RSD		7.048	11.510	8.842	249.600	18.640	32.560	0.000	1.150

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:11:57	92.431%	0.596	0.554	91.221%	-0.040	-0.042	0.002	0.006
2	18:12:38	92.499%	0.513	0.521	91.104%	-0.031	-0.037	-0.077	-0.077
3	18:13:20	93.427%	0.459	0.481	91.213%	-0.023	-0.039	-0.068	-0.070
x		92.786%	0.523	0.519	91.179%	-0.031	-0.039	-0.048	-0.047
σ		0.556%	0.069	0.037	0.066%	0.008	0.003	0.044	0.046
%RSD		0.600	13.200	7.050	0.072	26.690	6.562	91.640	97.240

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:11:57	95.041%	0.631	-0.160	-0.175	31.630	32.990	103.964%	104.716%
2	18:12:38	94.973%	1.182	-0.162	-0.202	32.970	33.940	104.828%	106.416%
3	18:13:20	96.085%	0.848	-0.167	-0.182	33.260	33.390	106.316%	106.531%
x		95.366%	0.887	-0.163	-0.186	32.620	33.440	105.036%	105.888%
σ		0.623%	0.278	0.004	0.014	0.866	0.480	1.189%	1.016%
%RSD		0.654	31.290	2.226	7.422	2.656	1.434	1.132	0.960

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:11:57	0.075	0.065	0.064	0.059	0.054	108.480%
2	18:12:38	0.063	0.068	0.045	0.025	0.047	110.486%
3	18:13:20	0.073	0.067	0.055	0.044	0.045	111.780%
x		0.070	0.067	0.055	0.043	0.048	110.249%
σ		0.006	0.002	0.009	0.017	0.005	1.663%
%RSD		9.179	2.404	17.330	39.010	10.400	1.508

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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	18:16:10	68.867%	49.440	898.200	901.500	0.000	141500.000	76650.000	76660.000
2	18:16:51	68.804%	49.100	920.800	902.200	0.000	140800.000	76550.000	76570.000
3	18:17:33	69.225%	49.060	906.400	889.600	0.000	140900.000	77090.000	76850.000
x		68.965%	49.200	908.500	897.800	0.000	141100.000	76760.000	76690.000
σ		0.227%	0.206	11.460	7.088	0.000	374.700	287.400	142.400
%RSD		0.329	0.418	1.262	0.790	0.000	0.266	0.374	0.186

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:16:10	2138.000	12530.000	0.000	48330.000	171000.000	171500.000	78.449%	961.500
2	18:16:51	2069.000	12500.000	0.000	48360.000	171800.000	171000.000	78.650%	965.400
3	18:17:33	2068.000	12480.000	0.000	48470.000	172100.000	173200.000	78.229%	976.600
x		2091.000	12500.000	0.000	48380.000	171600.000	171900.000	78.443%	967.800
σ		40.100	23.380	0.000	73.730	592.400	1143.000	0.210%	7.831
%RSD		1.917	0.187	0.000	0.152	0.345	0.665	0.268	0.809

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:16:10	494.900	197.200	1680.000	1282.000	1891.000	503.300	493.100	233.300
2	18:16:51	496.000	197.500	1681.000	1284.000	1903.000	508.300	496.300	233.900
3	18:17:33	500.400	200.200	1713.000	1295.000	1913.000	509.200	497.000	236.700
x		497.100	198.300	1691.000	1287.000	1902.000	506.900	495.500	234.600
σ		2.941	1.655	19.030	6.992	11.110	3.160	2.056	1.796
%RSD		0.592	0.835	1.125	0.543	0.584	0.623	0.415	0.765

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:16:10	243.900	505.000	503.200	37.860	5.923	8.650	0.000	1600.000
2	18:16:51	242.100	507.500	505.200	38.160	6.548	8.138	0.000	1585.000
3	18:17:33	246.200	514.600	508.400	39.040	7.795	9.038	0.000	1628.000
x		244.100	509.000	505.600	38.350	6.755	8.609	0.000	1605.000
σ		2.054	4.993	2.612	0.614	0.953	0.451	0.000	21.760
%RSD		0.842	0.981	0.517	1.600	14.100	5.241	0.000	1.356

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:16:10	82.171%	999.200	1050.000	81.568%	48.110	47.130	49.490	43.450
2	18:16:51	82.986%	1004.000	1057.000	82.036%	47.920	47.070	49.040	42.950
3	18:17:33	81.970%	1027.000	1082.000	81.370%	49.440	47.960	50.030	44.180
x		82.376%	1010.000	1063.000	81.658%	48.490	47.390	49.520	43.530
σ		0.538%	15.020	17.070	0.342%	0.826	0.499	0.495	0.615
%RSD		0.653	1.486	1.606	0.419	1.703	1.052	0.999	1.414

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:16:10	85.678%	1973.000	489.500	492.000	1957.000	2019.000	99.777%	101.523%
2	18:16:51	87.662%	1963.000	484.900	490.100	1945.000	2008.000	100.846%	103.107%
3	18:17:33	86.773%	1997.000	493.900	497.700	1967.000	2035.000	101.340%	102.825%
x		86.704%	1978.000	489.400	493.300	1956.000	2021.000	100.654%	102.485%
σ		0.994%	17.630	4.482	3.968	11.130	13.680	0.799%	0.845%
%RSD		1.147	0.891	0.916	0.804	0.569	0.677	0.794	0.825

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:16:10	48.160	47.450	20.090	20.220	20.130	108.293%
2	18:16:51	48.290	47.350	20.160	19.770	19.920	110.715%
3	18:17:33	49.020	48.760	20.210	20.580	20.350	109.506%
x		48.490	47.850	20.150	20.190	20.130	109.505%
σ		0.462	0.791	0.061	0.406	0.214	1.211%
%RSD		0.952	1.654	0.305	2.009	1.064	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	18:20:22	67.532%	48.290	915.000	909.400	0.000	142100.000	77060.000	77240.000
2	18:21:04	65.791%	50.480	908.800	907.400	0.000	145700.000	78350.000	78330.000
3	18:21:46	66.351%	48.420	877.400	879.200	0.000	142200.000	76930.000	76880.000
x		66.558%	49.060	900.400	898.700	0.000	143400.000	77450.000	77480.000
σ		0.889%	1.227	20.170	16.920	0.000	2061.000	784.700	759.200
%RSD		1.336	2.501	2.240	1.883	0.000	1.438	1.013	0.980

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:20:22	2163.000	12560.000	0.000	48650.000	174100.000	174100.000	77.681%	963.400
2	18:21:04	2204.000	12670.000	0.000	49100.000	174800.000	176000.000	77.060%	969.100
3	18:21:46	2166.000	12440.000	0.000	48510.000	172700.000	173200.000	77.579%	967.100
x		2177.000	12560.000	0.000	48750.000	173900.000	174400.000	77.440%	966.600
σ		22.580	114.600	0.000	308.000	1065.000	1411.000	0.333%	2.886
%RSD		1.037	0.913	0.000	0.632	0.613	0.809	0.430	0.299

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:20:22	496.300	197.200	1707.000	1299.000	1910.000	507.000	488.100	231.300
2	18:21:04	500.800	198.900	1723.000	1275.000	1927.000	506.300	491.100	234.100
3	18:21:46	496.900	198.100	1721.000	1303.000	1910.000	506.000	488.600	231.200
x		498.000	198.100	1717.000	1292.000	1916.000	506.400	489.300	232.200
σ		2.419	0.887	8.643	15.560	9.962	0.516	1.616	1.640
%RSD		0.486	0.448	0.503	1.204	0.520	0.102	0.330	0.706

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:20:22	241.200	503.000	501.500	37.470	6.732	9.172	0.000	1593.000
2	18:21:04	245.900	508.800	512.900	39.010	7.007	8.345	0.000	1598.000
3	18:21:46	241.700	505.100	507.300	37.750	6.565	8.098	0.000	1606.000
x		242.900	505.600	507.200	38.080	6.768	8.538	0.000	1599.000
σ		2.613	2.923	5.738	0.822	0.223	0.563	0.000	6.593
%RSD		1.076	0.578	1.131	2.160	3.298	6.593	0.000	0.412

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:20:22	83.140%	1010.000	1063.000	80.751%	48.650	47.100	49.220	43.880
2	18:21:04	83.073%	1015.000	1069.000	81.526%	48.920	46.990	48.890	42.630
3	18:21:46	83.292%	1015.000	1084.000	81.475%	48.500	47.390	49.490	43.110
x		83.169%	1013.000	1072.000	81.251%	48.690	47.160	49.200	43.210
σ		0.112%	3.017	10.610	0.433%	0.210	0.204	0.303	0.632
%RSD		0.135	0.298	0.990	0.533	0.430	0.433	0.616	1.463

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:20:22	87.072%	1962.000	482.800	487.100	1944.000	2000.000	100.312%	101.479%
2	18:21:04	88.182%	1970.000	484.100	487.700	1935.000	1993.000	102.547%	103.270%
3	18:21:46	87.955%	1989.000	489.200	496.200	1961.000	2021.000	102.887%	103.798%
x		87.736%	1974.000	485.400	490.300	1947.000	2005.000	101.915%	102.849%
σ		0.586%	14.140	3.385	5.056	12.820	14.380	1.399%	1.216%
%RSD		0.668	0.716	0.697	1.031	0.658	0.717	1.372	1.182

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:20:22	48.810	48.360	19.990	20.300	20.210	107.856%
2	18:21:04	49.430	48.770	20.240	20.090	20.160	110.830%
3	18:21:46	49.180	48.040	20.190	20.130	20.150	112.595%
x		49.140	48.390	20.140	20.170	20.170	110.427%
σ		0.313	0.364	0.130	0.110	0.033	2.395%
%RSD		0.637	0.753	0.647	0.547	0.163	2.169

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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	18:27:33	71.308%	0.022	23.800	23.710	0.000	102100.000	21680.000	21730.000
2	18:28:15	69.705%	0.024	22.270	22.200	0.000	103600.000	21910.000	21940.000
3	18:28:57	69.368%	0.024	21.980	21.090	0.000	102100.000	21470.000	21470.000
x		70.127%	0.023	22.680	22.330	0.000	102600.000	21690.000	21710.000
σ		1.037%	0.001	0.979	1.313	0.000	896.000	218.900	236.100
%RSD		1.478	3.548	4.315	5.879	0.000	0.873	1.009	1.088

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:27:33	8.247	4511.000	0.000	1242.000	68180.000	68380.000	78.023%	1.351
2	18:28:15	8.121	4553.000	0.000	1244.000	67930.000	68680.000	77.926%	1.091
3	18:28:57	7.539	4448.000	0.000	1230.000	67450.000	68510.000	77.829%	1.223
x		7.969	4504.000	0.000	1239.000	67850.000	68520.000	77.926%	1.222
σ		0.378	53.040	0.000	7.191	375.200	149.600	0.097%	0.130
%RSD		4.742	1.178	0.000	0.581	0.553	0.218	0.125	10.630

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:27:33	2.476	7.713	5042.000	166.900	443.800	1.753	7.512	1.162
2	18:28:15	1.298	7.963	5053.000	165.000	429.900	1.730	7.410	1.158
3	18:28:57	0.992	7.805	5046.000	163.700	426.000	1.585	7.524	1.102
x		1.588	7.827	5047.000	165.200	433.200	1.689	7.482	1.141
σ		0.784	0.126	5.478	1.614	9.373	0.091	0.063	0.034
%RSD		49.330	1.615	0.109	0.977	2.164	5.398	0.838	2.946

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:27:33	1.006	9.005	9.219	-0.679	-3.320	-1.987	0.000	427.100
2	18:28:15	0.890	8.568	9.444	-0.228	-2.895	-3.171	0.000	420.300
3	18:28:57	0.831	9.023	9.088	0.278	-3.006	-2.605	0.000	430.700
x		0.909	8.865	9.250	-0.210	-3.074	-2.588	0.000	426.000
σ		0.089	0.258	0.180	0.479	0.220	0.592	0.000	5.286
%RSD		9.805	2.905	1.942	228.300	7.161	22.890	0.000	1.241

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:27:33	84.964%	3.204	3.469	82.026%	-0.039	-0.040	0.297	0.248
2	18:28:15	86.835%	2.058	2.078	83.444%	-0.035	-0.036	0.234	0.168
3	18:28:57	86.480%	1.581	1.730	82.789%	-0.039	-0.042	0.338	0.255
x		86.093%	2.281	2.426	82.753%	-0.038	-0.039	0.290	0.224
σ		0.994%	0.834	0.920	0.710%	0.002	0.003	0.052	0.048
%RSD		1.155	36.570	37.940	0.858	5.863	7.067	18.010	21.560

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:27:33	86.835%	13.220	-0.071	-0.077	51.490	52.710	98.133%	100.288%
2	18:28:15	88.492%	11.120	-0.148	-0.156	51.360	53.310	100.801%	102.507%
3	18:28:57	89.023%	10.020	-0.147	-0.144	51.070	52.330	102.366%	104.060%
x		88.117%	11.450	-0.122	-0.126	51.310	52.790	100.433%	102.285%
σ		1.141%	1.627	0.044	0.043	0.212	0.496	2.140%	1.896%
%RSD		1.295	14.210	36.170	34.010	0.414	0.939	2.131	1.853

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:27:33	0.301	0.310	0.067	0.067	0.073	107.438%
2	18:28:15	0.250	0.289	0.058	0.059	0.052	109.915%
3	18:28:57	0.216	0.201	0.055	0.068	0.054	112.151%
x		0.256	0.267	0.060	0.065	0.060	109.835%
σ		0.043	0.058	0.006	0.005	0.011	2.357%
%RSD		16.640	21.800	10.170	7.218	19.130	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	18:31:49	67.806%	-0.024	18.590	20.140	0.000	106600.000	22390.000	22470.000
2	18:32:30	66.790%	0.013	19.420	19.410	0.000	108100.000	23520.000	22500.000
3	18:33:12	67.825%	0.013	16.900	18.960	0.000	106400.000	22210.000	22440.000
x		67.474%	0.001	18.310	19.500	0.000	107000.000	22700.000	22470.000
σ		0.592%	0.022	1.283	0.592	0.000	947.800	709.900	28.750
%RSD		0.878	3583.000	7.010	3.035	0.000	0.886	3.127	0.128

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:31:49	6.534	4685.000	0.000	1273.000	69930.000	71240.000	77.994%	0.830
2	18:32:30	5.836	4696.000	0.000	1284.000	71080.000	71550.000	77.578%	0.630
3	18:33:12	6.558	4670.000	0.000	1284.000	70700.000	71890.000	77.463%	1.079
x		6.309	4684.000	0.000	1281.000	70570.000	71560.000	77.678%	0.846
σ		0.410	12.730	0.000	6.310	590.900	320.400	0.279%	0.225
%RSD		6.500	0.272	0.000	0.493	0.837	0.448	0.359	26.590

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:31:49	1.545	7.142	5120.000	164.300	430.700	1.689	7.697	0.839
2	18:32:30	0.810	7.226	5173.000	167.200	439.400	1.625	7.631	0.984
3	18:33:12	1.409	7.074	5226.000	169.000	446.400	1.683	7.608	1.044
x		1.255	7.148	5173.000	166.800	438.800	1.666	7.645	0.956
σ		0.391	0.076	52.820	2.341	7.844	0.035	0.046	0.105
%RSD		31.160	1.063	1.021	1.403	1.787	2.129	0.608	11.010

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:31:49	0.652	8.992	9.077	-0.484	-2.913	-2.766	0.000	434.200
2	18:32:30	0.674	8.561	8.536	-0.351	-3.672	-4.057	0.000	438.000
3	18:33:12	0.677	8.678	8.529	0.437	-4.235	-2.657	0.000	435.700
x		0.667	8.744	8.714	-0.133	-3.607	-3.160	0.000	436.000
σ		0.013	0.223	0.314	0.498	0.663	0.779	0.000	1.918
%RSD		2.016	2.550	3.605	374.900	18.400	24.650	0.000	0.440

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:31:49	87.020%	1.035	1.101	83.150%	-0.029	-0.032	0.170	0.090
2	18:32:30	87.329%	0.858	0.991	83.142%	-0.039	-0.032	0.152	0.207
3	18:33:12	87.789%	0.840	0.878	83.876%	-0.034	-0.035	0.246	0.241
x		87.379%	0.911	0.990	83.389%	-0.034	-0.033	0.189	0.179
σ		0.387%	0.108	0.111	0.422%	0.005	0.002	0.050	0.079
%RSD		0.443	11.830	11.230	0.506	15.460	5.014	26.520	44.170

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:31:49	89.140%	5.655	-0.143	-0.096	51.690	53.490	101.590%	103.046%
2	18:32:30	89.578%	5.126	-0.140	-0.149	52.660	54.430	104.264%	104.159%
3	18:33:12	90.702%	5.098	-0.130	-0.124	52.780	53.190	105.234%	106.327%
x		89.806%	5.293	-0.138	-0.123	52.380	53.700	103.696%	104.511%
σ		0.806%	0.314	0.007	0.026	0.596	0.648	1.887%	1.669%
%RSD		0.897	5.923	5.079	21.400	1.138	1.206	1.820	1.597

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:31:49	0.145	0.118	0.041	0.059	0.044	110.205%
2	18:32:30	0.129	0.124	0.045	0.055	0.047	112.478%
3	18:33:12	0.109	0.115	0.053	0.030	0.042	114.725%
x		0.128	0.119	0.046	0.048	0.044	112.469%
σ		0.018	0.005	0.006	0.016	0.003	2.260%
%RSD		13.970	3.933	13.390	32.770	6.171	2.010

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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	18:38:57	82.117%	103.300	94.100	95.730	0.000	48750.000	48490.000	48830.000
2	18:39:38	81.321%	102.100	96.770	93.340	0.000	49550.000	48840.000	48760.000
3	18:40:20	81.392%	103.100	95.790	97.160	0.000	49350.000	48900.000	48980.000
x		81.610%	102.814%	95.554%	95.409%	0.000	98.433%	97.483%	97.706%
σ		0.440%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.539	0.640	1.411	2.022	0.000	0.841	0.448	0.230

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:38:57	485.300	4837.000	0.000	47810.000	47520.000	46660.000	91.343%	94.150
2	18:39:38	485.700	4848.000	0.000	48130.000	48460.000	47030.000	90.687%	97.660
3	18:40:20	488.000	4842.000	0.000	48320.000	48730.000	48210.000	90.617%	98.030
x		97.270%	96.850%	0.000	96.174%	96.472%	94.593%	90.882%	96.612%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.401%	n/a
%RSD		0.307	0.111	0.000	0.535	1.318	1.710	0.441	2.218

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:38:57	94.890	96.950	480.300	24750.000	24650.000	97.000	98.250	97.590
2	18:39:38	95.780	98.060	485.500	24730.000	24800.000	98.780	98.860	97.680
3	18:40:20	95.920	98.560	490.200	24920.000	24940.000	98.730	99.080	97.780
x		95.530%	97.857%	97.066%	99.206%	99.195%	98.171%	98.731%	97.686%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.585	0.838	1.026	0.421	0.593	1.032	0.437	0.096

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:38:57	97.810	101.300	100.900	97.030	97.440	98.260	0.000	94.650
2	18:39:38	98.930	103.700	102.000	98.720	96.300	99.310	0.000	96.240
3	18:40:20	98.820	104.200	104.300	97.590	100.600	97.690	0.000	94.820
x		98.522%	103.061%	102.393%	97.780%	98.096%	98.421%	0.000	95.235%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.629	1.524	1.687	0.882	2.246	0.836	0.000	0.917

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:38:57	91.846%	94.260	97.290	90.043%	98.080	97.800	98.340	96.840
2	18:39:38	91.727%	99.140	100.700	90.666%	98.210	97.690	98.220	98.350
3	18:40:20	93.290%	99.810	100.800	91.678%	97.460	97.910	97.840	96.950
x		92.287%	97.735%	99.583%	90.796%	97.917%	97.801%	98.134%	97.381%
σ		0.870%	n/a	n/a	0.825%	n/a	n/a	n/a	n/a
%RSD		0.943	3.100	1.998	0.909	0.410	0.113	0.264	0.861

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:38:57	91.935%	98.640	97.820	97.380	94.730	94.240	96.280%	98.365%
2	18:39:38	92.896%	98.410	99.040	98.000	94.140	95.690	98.388%	100.204%
3	18:40:20	94.189%	97.090	97.510	97.690	93.710	95.940	99.947%	101.125%
x		93.007%	98.048%	98.121%	97.690%	94.196%	95.292%	98.205%	99.898%
σ		1.131%	n/a	n/a	n/a	n/a	n/a	1.840%	1.405%
%RSD		1.216	0.856	0.822	0.320	0.545	0.963	1.874	1.406

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:38:57	102.600	102.800	104.000	104.100	103.900	101.102%
2	18:39:38	103.300	103.400	103.900	104.800	104.600	102.756%
3	18:40:20	103.600	103.100	104.500	104.800	104.700	103.729%
x		103.154%	103.111%	104.153%	104.562%	104.430%	102.529%
σ		n/a	n/a	n/a	n/a	n/a	1.328%
%RSD		0.479	0.283	0.273	0.410	0.422	1.295

CCB4 10/10/2012 6:45:26 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	18:46:10	86.908%	0.012	2.831	1.949	0.000	10.730	6.054	5.210
2	18:46:52	85.094%	0.023	2.040	1.664	0.000	17.320	8.924	10.340
3	18:47:34	84.803%	0.003	1.668	1.385	0.000	14.430	7.632	7.990
x		85.602%	0.012	2.180	1.666	0.000	14.160	7.537	7.847
σ		1.141%	0.010	0.594	0.282	0.000	3.303	1.437	2.568
%RSD		1.332	79.560	27.260	16.910	0.000	23.330	19.070	32.730

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:46:10	1.000	1.461	0.000	6.354	-4.484	8.073	94.956%	0.006
2	18:46:52	1.100	2.833	0.000	9.773	8.864	10.020	94.754%	-0.009
3	18:47:34	0.946	2.658	0.000	8.189	10.320	8.956	94.900%	-0.070
x		1.015	2.317	0.000	8.105	4.901	9.016	94.870%	-0.024
σ		0.078	0.747	0.000	1.711	8.161	0.973	0.104%	0.041
%RSD		7.701	32.220	0.000	21.110	166.500	10.800	0.110	165.800

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:46:10	0.065	-0.026	0.134	7.316	13.800	0.006	0.051	0.007
2	18:46:52	0.032	0.005	0.299	5.064	9.327	0.019	0.085	0.023
3	18:47:34	0.125	0.011	0.190	3.082	6.873	0.014	0.026	0.038
x		0.074	-0.003	0.208	5.154	10.000	0.013	0.054	0.023
σ		0.047	0.020	0.084	2.118	3.515	0.007	0.030	0.015
%RSD		63.170	615.000	40.420	41.100	35.140	50.820	54.650	68.560

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:46:10	0.038	0.090	0.133	-0.783	0.524	-3.105	0.000	0.035
2	18:46:52	-0.015	0.114	-0.076	-0.253	-0.481	-1.000	0.000	0.054
3	18:47:34	-0.061	0.197	0.055	-0.126	-0.755	-0.480	0.000	0.038
x		-0.013	0.134	0.037	-0.387	-0.237	-1.528	0.000	0.042
σ		0.050	0.056	0.105	0.349	0.673	1.390	0.000	0.010
%RSD		390.800	41.910	283.900	90.090	283.700	90.950	0.000	24.800

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:46:10	95.138%	0.653	0.630	96.269%	-0.025	-0.022	0.072	0.050
2	18:46:52	96.740%	0.449	0.584	98.102%	-0.022	-0.021	0.074	0.062
3	18:47:34	97.963%	0.393	0.396	98.460%	-0.014	-0.025	0.088	0.097
x		96.614%	0.498	0.536	97.610%	-0.021	-0.023	0.078	0.070
σ		1.417%	0.137	0.124	1.175%	0.006	0.002	0.009	0.024
%RSD		1.466	27.450	23.160	1.204	27.150	8.412	11.020	35.080

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:46:10	96.847%	0.656	-0.148	-0.180	0.013	0.046	99.492%	100.900%
2	18:46:52	98.240%	0.503	-0.145	-0.166	0.057	0.053	100.670%	102.118%
3	18:47:34	98.649%	0.048	-0.160	-0.185	0.027	0.018	102.771%	103.228%
x		97.912%	0.402	-0.151	-0.177	0.032	0.039	100.978%	102.082%
σ		0.945%	0.316	0.008	0.009	0.023	0.018	1.661%	1.165%
%RSD		0.965	78.670	5.443	5.354	69.590	47.090	1.645	1.141

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:46:10	0.081	0.075	0.018	0.038	0.023	107.240%
2	18:46:52	0.102	0.078	0.017	0.014	0.023	109.523%
3	18:47:34	0.063	0.062	0.026	-0.006	0.009	111.106%
x		0.082	0.072	0.021	0.015	0.018	109.289%
σ		0.020	0.009	0.005	0.022	0.008	1.943%
%RSD		24.110	12.240	23.000	146.100	43.880	1.778

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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	18:50:27	71.580%	0.503	8.628	8.302	0.000	87950.000	6668.000	6641.000
2	18:51:09	69.623%	0.517	8.807	8.921	0.000	88930.000	6726.000	6729.000
3	18:51:51	68.922%	0.681	10.300	8.904	0.000	89770.000	6804.000	6801.000
x		70.042%	0.567	9.245	8.709	0.000	88890.000	6733.000	6724.000
σ		1.377%	0.099	0.917	0.353	0.000	912.100	68.430	80.010
%RSD		1.967	17.420	9.916	4.049	0.000	1.026	1.016	1.190

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:50:27	8615.000	22510.000	0.000	2196.000	10910.000	10780.000	83.029%	131.200
2	18:51:09	8721.000	22510.000	0.000	2193.000	11440.000	10800.000	83.136%	127.400
3	18:51:51	8781.000	22640.000	0.000	2217.000	11210.000	10920.000	82.673%	129.800
x		8706.000	22550.000	0.000	2202.000	11180.000	10830.000	82.946%	129.500
σ		84.230	78.220	0.000	12.780	264.200	73.880	0.242%	1.939
%RSD		0.968	0.347	0.000	0.581	2.362	0.682	0.292	1.498

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:50:27	22.360	15.760	187.800	17560.000	17460.000	5.225	13.460	17.820
2	18:51:09	22.460	15.580	188.300	17510.000	17510.000	5.246	13.840	17.520
3	18:51:51	23.260	15.860	190.900	17680.000	17870.000	5.128	14.100	17.690
x		22.690	15.730	189.000	17580.000	17610.000	5.200	13.800	17.680
σ		0.493	0.139	1.696	91.330	227.800	0.063	0.325	0.148
%RSD		2.171	0.881	0.897	0.519	1.293	1.217	2.351	0.836

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:50:27	17.940	42.090	42.740	2.719	-2.902	-3.600	0.000	73.710
2	18:51:09	17.420	41.050	42.540	2.951	-3.415	-3.706	0.000	72.390
3	18:51:51	18.150	42.110	44.060	2.599	-3.643	-4.189	0.000	72.580
x		17.840	41.750	43.110	2.757	-3.320	-3.832	0.000	72.890
σ		0.375	0.605	0.826	0.179	0.380	0.314	0.000	0.712
%RSD		2.100	1.449	1.916	6.496	11.430	8.195	0.000	0.977

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:50:27	95.982%	1.099	1.204	87.469%	0.241	0.192	0.276	0.223
2	18:51:09	98.121%	1.042	0.988	88.687%	0.245	0.236	0.147	0.117
3	18:51:51	98.391%	1.005	0.985	88.717%	0.207	0.230	0.290	0.214
x		97.498%	1.049	1.059	88.291%	0.231	0.219	0.238	0.184
σ		1.320%	0.048	0.126	0.712%	0.021	0.024	0.079	0.059
%RSD		1.354	4.531	11.860	0.806	9.067	10.780	33.070	31.950

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:50:27	91.678%	6.755	0.325	0.303	89.900	93.620	103.717%	104.843%
2	18:51:09	94.079%	5.796	0.313	0.266	89.810	92.420	107.454%	108.458%
3	18:51:51	94.415%	5.515	0.306	0.280	90.170	92.660	107.737%	109.568%
x		93.391%	6.022	0.315	0.283	89.960	92.900	106.303%	107.623%
σ		1.493%	0.650	0.010	0.019	0.186	0.639	2.244%	2.470%
%RSD		1.598	10.800	3.147	6.577	0.207	0.688	2.111	2.295

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:50:27	0.158	0.171	7.119	6.993	7.025	116.128%
2	18:51:09	0.164	0.182	7.237	7.165	7.213	117.942%
3	18:51:51	0.159	0.182	7.434	7.172	7.269	118.469%
x		0.160	0.178	7.263	7.110	7.169	117.513%
σ		0.003	0.007	0.159	0.101	0.128	1.228%
%RSD		2.182	3.701	2.191	1.424	1.786	1.045

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:36	83.205%	0.014	0.725	1.019	0.000	20.460	1.352	1.538
2	18:58:18	80.674%	-0.006	0.661	1.085	0.000	21.180	1.195	1.164
3	18:59:00	79.550%	-0.016	0.104	0.803	0.000	32.260	3.059	2.265
x		81.143%	-0.002	0.496	0.969	0.000	24.630	1.869	1.656
σ		1.872%	0.015	0.342	0.147	0.000	6.615	1.034	0.560
%RSD		2.308	606.200	68.840	15.190	0.000	26.860	55.330	33.820

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:36	3.387	3.662	0.000	0.305	3.244	0.897	91.981%	-0.022
2	18:58:18	2.963	3.131	0.000	1.835	4.854	1.494	91.491%	-0.037
3	18:59:00	3.543	5.212	0.000	3.182	0.205	4.636	92.065%	-0.022
x		3.297	4.001	0.000	1.774	2.768	2.342	91.846%	-0.027
σ		0.300	1.082	0.000	1.439	2.361	2.009	0.310%	0.009
%RSD		9.110	27.030	0.000	81.130	85.290	85.760	0.338	33.110

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:36	0.234	0.009	0.156	6.405	7.169	0.002	-0.017	0.071
2	18:58:18	0.169	0.059	0.158	3.630	3.762	-0.005	0.034	0.087
3	18:59:00	0.103	0.029	0.218	3.250	2.552	0.010	0.045	0.088
x		0.169	0.032	0.177	4.428	4.494	0.002	0.021	0.082
σ		0.065	0.025	0.035	1.722	2.394	0.007	0.033	0.009
%RSD		38.800	77.760	19.800	38.890	53.280	294.700	160.200	11.430

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:36	0.061	0.464	0.303	-0.698	-1.382	-2.987	0.000	0.024
2	18:58:18	0.101	0.595	0.379	-0.623	-1.903	-3.382	0.000	0.018
3	18:59:00	0.044	0.670	0.640	-0.358	-1.312	-2.107	0.000	0.035
x		0.069	0.576	0.441	-0.559	-1.533	-2.825	0.000	0.026
σ		0.030	0.105	0.177	0.179	0.323	0.653	0.000	0.009
%RSD		42.860	18.150	40.150	31.920	21.080	23.100	0.000	34.570

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:36	94.074%	0.103	0.111	95.352%	-0.045	-0.041	-0.006	0.045
2	18:58:18	96.950%	0.046	0.098	97.156%	-0.037	-0.045	0.012	0.026
3	18:59:00	96.835%	0.019	0.122	97.882%	-0.037	-0.042	-0.021	0.013
x		95.953%	0.056	0.110	96.797%	-0.039	-0.043	-0.005	0.028
σ		1.628%	0.043	0.012	1.302%	0.005	0.002	0.017	0.016
%RSD		1.697	76.590	10.990	1.345	11.490	4.912	322.400	55.830

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:36	96.612%	0.096	-0.193	-0.204	-0.009	0.011	100.299%	100.887%
2	18:58:18	99.076%	0.357	-0.194	-0.216	0.041	0.018	102.755%	103.624%
3	18:59:00	99.290%	0.170	-0.206	-0.216	0.048	0.022	104.370%	104.476%
x		98.326%	0.208	-0.198	-0.212	0.027	0.017	102.475%	102.996%
σ		1.488%	0.135	0.007	0.007	0.031	0.006	2.050%	1.876%
%RSD		1.513	64.950	3.653	3.414	118.100	34.530	2.000	1.821

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:36	0.020	0.021	-0.004	0.006	0.011	106.270%
2	18:58:18	0.024	0.024	0.016	-0.002	0.008	109.407%
3	18:59:00	0.025	0.019	0.020	0.017	0.018	110.726%
x		0.023	0.022	0.011	0.007	0.013	108.801%
σ		0.003	0.002	0.013	0.009	0.005	2.289%
%RSD		11.220	11.500	120.700	139.500	37.960	2.104

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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	19:04:46	86.065%	0.929	5.557	5.057	0.000	111.500	100.300	97.980
2	19:05:27	85.863%	1.156	5.950	5.843	0.000	111.800	100.400	99.180
3	19:06:09	84.228%	1.168	5.364	5.434	0.000	113.100	99.870	99.160
x		85.385%	108.426%	112.471%	108.896%	0.000	140.165%	100.177%	98.773%
σ		1.007%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.180	12.440	5.315	7.212	0.000	0.728	0.271	0.694

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:04:46	30.800	476.000	0.000	90.990	89.390	91.720	101.883%	4.900
2	19:05:27	30.520	485.600	0.000	94.320	73.560	96.120	100.876%	4.232
3	19:06:09	30.300	478.500	0.000	93.450	78.860	95.700	101.353%	4.732
x		101.794%	96.013%	0.000	92.917%	80.605%	94.513%	101.371%	92.428%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.504%	n/a
%RSD		0.831	1.038	0.000	1.856	10.000	2.566	0.497	7.517

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:04:46	0.965	1.945	4.757	49.270	49.130	0.498	1.145	2.179
2	19:05:27	0.922	1.797	4.942	49.510	50.360	0.500	1.163	2.347
3	19:06:09	0.838	1.873	4.925	48.770	48.480	0.495	1.063	2.261
x		90.844%	93.599%	97.495%	98.365%	98.641%	99.515%	112.378%	113.100%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		7.093	3.958	2.090	0.771	1.936	0.528	4.745	3.718

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:04:46	2.406	7.596	7.612	0.495	4.020	5.337	0.000	5.170
2	19:05:27	2.398	7.207	7.396	0.991	5.846	6.075	0.000	5.197
3	19:06:09	2.479	7.762	7.147	0.941	3.691	5.759	0.000	5.093
x		121.378%	150.433%	147.697%	80.888%	90.378%	114.469%	0.000	103.072%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.846	3.783	3.149	33.770	25.690	6.469	0.000	1.048

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:04:46	88.669%	4.300	4.429	98.362%	1.005	0.934	0.937	1.032
2	19:05:27	90.451%	4.309	4.414	99.900%	0.978	0.994	1.138	1.100
3	19:06:09	90.638%	4.380	4.417	99.969%	0.934	0.962	1.060	1.103
x		89.919%	86.600%	88.395%	99.410%	97.242%	96.326%	104.492%	107.860%
σ		1.087%	n/a	n/a	0.909%	n/a	n/a	n/a	n/a
%RSD		1.209	1.009	0.188	0.914	3.703	3.116	9.720	3.713

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:04:46	92.194%	6.124	1.654	1.574	9.919	9.583	100.462%	102.865%
2	19:05:27	92.658%	6.143	1.604	1.700	9.655	9.677	103.394%	103.974%
3	19:06:09	93.678%	5.671	1.665	1.606	9.351	9.659	104.622%	105.285%
x		92.843%	119.584%	82.057%	81.339%	96.415%	96.397%	102.826%	104.041%
σ		0.759%	n/a	n/a	n/a	n/a	n/a	2.137%	1.211%
%RSD		0.817	4.472	1.987	4.019	2.947	0.521	2.079	1.164

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:04:46	0.950	0.976	1.014	1.064	1.034	113.899%
2	19:05:27	1.008	0.996	1.046	1.155	1.073	113.990%
3	19:06:09	1.041	0.987	1.046	1.011	1.010	113.788%
x		99.998%	98.650%	103.543%	107.697%	103.877%	113.892%
σ		n/a	n/a	n/a	n/a	n/a	0.101%
%RSD		4.626	1.013	1.758	6.737	3.062	0.088

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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	19:09:03	83.642%	1.048	5.997	5.092	0.000	107.200	88.340	89.020
2	19:09:44	81.108%	1.070	5.306	5.125	0.000	109.200	91.720	90.510
3	19:10:26	81.468%	0.973	5.892	4.864	0.000	109.000	91.270	90.100
x		82.073%	103.030%	114.634%	100.545%	0.000	135.599%	90.442%	89.878%
σ		1.371%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.670	4.909	6.495	2.833	0.000	1.041	2.025	0.859

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:09:03	27.460	449.600	0.000	74.550	99.350	87.620	113.146%	4.523
2	19:09:44	27.250	451.600	0.000	76.670	71.820	81.100	113.233%	3.921
3	19:10:26	27.250	447.500	0.000	74.640	83.180	82.170	113.152%	3.973
x		91.072%	89.919%	0.000	75.287%	84.782%	83.632%	113.177%	82.774%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.049%	n/a
%RSD		0.449	0.451	0.000	1.595	16.320	4.180	0.043	8.059

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:09:03	0.754	1.632	4.262	32.540	36.820	0.414	1.009	2.068
2	19:09:44	0.792	1.623	4.273	31.750	35.470	0.417	0.855	2.010
3	19:10:26	0.776	1.629	4.309	31.210	35.040	0.402	0.847	2.103
x		77.383%	81.411%	85.625%	63.666%	71.556%	82.234%	90.352%	103.007%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		2.437	0.279	0.584	2.105	2.604	1.899	10.120	2.286

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:09:03	1.967	6.672	6.523	0.594	4.502	3.778	0.000	4.709
2	19:09:44	2.129	6.418	6.386	0.312	1.904	3.037	0.000	4.668
3	19:10:26	2.142	6.360	6.658	0.248	1.444	2.095	0.000	4.700
x		103.965%	129.664%	130.442%	38.461%	52.334%	59.405%	0.000	93.843%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		4.680	2.561	2.087	47.800	63.030	28.390	0.000	0.464

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:09:03	96.333%	4.114	4.199	98.643%	0.963	1.013	1.103	0.993
2	19:09:44	97.642%	4.130	4.176	99.476%	0.924	0.939	0.919	0.928
3	19:10:26	98.832%	4.055	4.349	100.581%	0.972	0.976	0.975	0.980
x		97.602%	81.994%	84.832%	99.567%	95.332%	97.627%	99.862%	96.722%
σ		1.250%	n/a	n/a	0.972%	n/a	n/a	n/a	n/a
%RSD		1.281	0.971	2.218	0.976	2.665	3.802	9.441	3.526

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:09:03	99.717%	4.303	1.528	1.547	9.530	9.702	103.243%	104.213%
2	19:09:44	102.091%	4.114	1.544	1.565	8.850	9.299	105.793%	105.635%
3	19:10:26	102.086%	4.201	1.555	1.519	9.390	9.273	107.068%	108.391%
x		101.298%	84.119%	77.109%	77.190%	92.567%	94.246%	105.368%	106.080%
σ		1.369%	n/a	n/a	n/a	n/a	n/a	1.948%	2.124%
%RSD		1.351	2.245	0.891	1.497	3.881	2.554	1.848	2.003

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:09:03	1.006	0.951	0.931	1.058	0.950	116.020%
2	19:09:44	1.031	0.967	1.032	0.978	1.016	117.120%
3	19:10:26	0.911	1.000	1.008	0.974	0.991	119.027%
x		98.259%	97.242%	99.039%	100.350%	98.571%	117.389%
σ		n/a	n/a	n/a	n/a	n/a	1.521%
%RSD		6.452	2.577	5.301	4.715	3.402	1.296

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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	19:19:03	65.001%	48.470	861.500	865.700	0.000	50730.000	47280.000	47310.000
2	19:19:45	63.469%	47.690	870.900	868.600	0.000	51180.000	47780.000	48210.000
3	19:20:26	64.184%	49.460	872.100	867.100	0.000	51210.000	47730.000	47910.000
x		64.218%	48.540	868.200	867.100	0.000	51040.000	47600.000	47810.000
σ		0.767%	0.890	5.791	1.424	0.000	267.600	278.300	459.000
%RSD		1.194	1.834	0.667	0.164	0.000	0.524	0.585	0.960

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:19:03	1936.000	8915.000	0.000	47310.000	46610.000	46430.000	78.494%	958.400
2	19:19:45	1966.000	9054.000	0.000	47590.000	47380.000	47380.000	79.045%	963.500
3	19:20:26	1964.000	8963.000	0.000	47500.000	47950.000	47080.000	79.605%	971.400
x		1955.000	8977.000	0.000	47470.000	47310.000	46960.000	79.048%	964.400
σ		16.950	70.610	0.000	142.200	671.900	486.600	0.556%	6.564
%RSD		0.867	0.787	0.000	0.300	1.420	1.036	0.703	0.681

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:19:03	495.400	197.100	501.200	1067.000	1198.000	507.400	493.900	239.400
2	19:19:45	498.500	200.100	506.400	1082.000	1212.000	517.100	500.900	240.800
3	19:20:26	496.700	198.800	505.200	1072.000	1199.000	511.100	495.200	236.600
x		496.900	198.700	504.200	1073.000	1203.000	511.900	496.700	238.900
σ		1.577	1.487	2.701	7.368	7.407	4.884	3.750	2.126
%RSD		0.317	0.749	0.536	0.686	0.616	0.954	0.755	0.890

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:19:03	248.900	533.800	532.400	37.590	6.081	8.298	0.000	998.400
2	19:19:45	251.000	543.400	538.100	38.410	6.160	11.830	0.000	1005.000
3	19:20:26	249.700	532.600	529.300	37.670	7.228	7.971	0.000	1001.000
x		249.900	536.600	533.300	37.890	6.490	9.365	0.000	1001.000
σ		1.060	5.886	4.492	0.450	0.641	2.139	0.000	3.124
%RSD		0.424	1.097	0.842	1.187	9.873	22.840	0.000	0.312

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:19:03	83.634%	1001.000	1050.000	84.682%	48.690	47.360	50.320	44.110
2	19:19:45	84.481%	1003.000	1059.000	86.083%	48.300	48.020	50.120	43.350
3	19:20:26	85.218%	1010.000	1064.000	86.111%	49.580	47.500	50.580	44.290
x		84.444%	1005.000	1058.000	85.625%	48.860	47.630	50.340	43.920
σ		0.793%	4.608	7.300	0.817%	0.657	0.344	0.233	0.502
%RSD		0.939	0.459	0.690	0.954	1.345	0.722	0.464	1.144

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:19:03	90.585%	1969.000	486.400	494.700	1775.000	1840.000	103.360%	104.761%
2	19:19:45	92.957%	1959.000	486.300	490.900	1773.000	1833.000	105.935%	107.738%
3	19:20:26	92.416%	1982.000	492.000	498.800	1790.000	1855.000	107.386%	108.121%
x		91.986%	1970.000	488.200	494.800	1779.000	1842.000	105.560%	106.873%
σ		1.243%	11.920	3.234	3.962	8.851	11.140	2.039%	1.839%
%RSD		1.352	0.605	0.662	0.801	0.497	0.605	1.932	1.721

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:19:03	47.800	47.210	20.090	20.020	19.950	115.618%
2	19:19:45	49.340	48.210	20.290	20.080	20.110	116.903%
3	19:20:26	48.940	48.920	20.030	19.980	20.070	117.831%
x		48.690	48.120	20.140	20.030	20.050	116.784%
σ		0.801	0.859	0.133	0.050	0.082	1.111%
%RSD		1.645	1.785	0.663	0.251	0.411	0.952

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:23:18	77.123%	0.061	56.980	54.180	0.000	69190.000	9333.000	9352.000
2	19:24:00	76.091%	0.052	56.490	52.980	0.000	69930.000	9400.000	9396.000
3	19:24:42	75.451%	0.030	56.530	51.800	0.000	69890.000	9342.000	9332.000
x		76.221%	0.048	56.670	52.990	0.000	69670.000	9358.000	9360.000
σ		0.844%	0.016	0.273	1.186	0.000	413.400	36.640	32.730
%RSD		1.107	33.700	0.482	2.239	0.000	0.593	0.392	0.350

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:23:18	46.440	1916.000	0.000	14560.000	44640.000	43900.000	88.668%	2.173
2	19:24:00	45.810	1912.000	0.000	14540.000	44840.000	44240.000	88.662%	1.617
3	19:24:42	45.270	1911.000	0.000	14590.000	44680.000	44440.000	88.314%	1.213
x		45.840	1913.000	0.000	14570.000	44720.000	44190.000	88.548%	1.668
σ		0.583	2.512	0.000	22.730	106.400	276.800	0.203%	0.482
%RSD		1.271	0.131	0.000	0.156	0.238	0.626	0.229	28.890

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:23:18	1.149	0.802	31.180	87.390	265.400	0.753	1.420	9.897
2	19:24:00	1.285	0.717	31.570	86.080	266.700	0.719	1.466	9.713
3	19:24:42	1.076	0.740	31.860	85.620	259.300	0.570	1.136	9.844
x		1.170	0.753	31.540	86.360	263.800	0.680	1.341	9.818
σ		0.106	0.044	0.342	0.919	3.961	0.097	0.179	0.095
%RSD		9.086	5.860	1.085	1.064	1.501	14.320	13.340	0.964

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:23:18	10.290	25.610	27.100	-0.016	-0.463	-1.764	0.000	245.500
2	19:24:00	10.160	26.970	26.280	-0.213	-0.085	-2.654	0.000	249.600
3	19:24:42	9.740	27.230	27.080	-0.147	-0.403	-1.268	0.000	247.300
x		10.060	26.600	26.820	-0.125	-0.317	-1.895	0.000	247.500
σ		0.288	0.870	0.466	0.100	0.203	0.703	0.000	2.026
%RSD		2.863	3.272	1.735	79.820	64.050	37.060	0.000	0.819

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:23:18	95.452%	18.230	18.510	92.589%	0.037	0.039	0.270	0.150
2	19:24:00	94.885%	14.220	14.550	92.477%	0.017	0.021	0.087	0.077
3	19:24:42	95.293%	12.100	12.430	93.025%	-0.003	-0.007	0.127	0.164
x		95.210%	14.850	15.160	92.697%	0.017	0.018	0.161	0.130
σ		0.293%	3.115	3.088	0.290%	0.020	0.023	0.096	0.047
%RSD		0.307	20.970	20.370	0.312	120.600	132.000	59.650	35.950

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:23:18	95.958%	6.202	1.003	0.932	47.400	47.420	104.723%	106.614%
2	19:24:00	96.956%	4.638	0.808	0.863	46.950	48.810	106.111%	107.940%
3	19:24:42	97.626%	3.738	0.740	0.725	46.480	47.800	106.558%	108.746%
x		96.847%	4.860	0.850	0.840	46.940	48.010	105.797%	107.766%
σ		0.840%	1.247	0.136	0.105	0.461	0.716	0.957%	1.076%
%RSD		0.867	25.660	16.040	12.550	0.983	1.491	0.905	0.999

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:23:18	0.866	0.888	0.326	0.302	0.297	108.585%
2	19:24:00	0.557	0.558	0.292	0.354	0.328	110.064%
3	19:24:42	0.414	0.415	0.241	0.347	0.304	110.960%
x		0.612	0.620	0.286	0.335	0.310	109.870%
σ		0.231	0.242	0.043	0.028	0.016	1.199%
%RSD		37.740	39.070	15.020	8.409	5.285	1.091

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:34	76.970%	-0.026	15.200	15.080	0.000	14240.000	1885.000	1883.000
2	19:28:15	77.643%	-0.015	15.840	13.780	0.000	14150.000	1856.000	1861.000
3	19:28:57	77.169%	0.028	13.280	13.190	0.000	14140.000	1880.000	1865.000
x		77.261%	-0.004	14.770	14.020	0.000	14180.000	1874.000	1870.000
σ		0.346%	0.029	1.332	0.970	0.000	55.400	15.870	11.720
%RSD		0.448	682.900	9.016	6.917	0.000	0.391	0.847	0.627

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:34	9.402	381.700	0.000	2938.000	8983.000	8518.000	91.503%	0.455
2	19:28:15	9.171	375.200	0.000	2955.000	8976.000	8544.000	91.056%	0.282
3	19:28:57	9.279	380.200	0.000	3012.000	9047.000	8719.000	89.800%	0.271
x		9.284	379.000	0.000	2969.000	9002.000	8594.000	90.787%	0.336
σ		0.115	3.413	0.000	39.020	39.280	109.500	0.883%	0.103
%RSD		1.243	0.901	0.000	1.314	0.436	1.275	0.972	30.710

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:34	0.159	0.163	6.444	19.390	51.170	0.156	0.281	1.949
2	19:28:15	0.232	0.139	6.487	18.860	50.570	0.171	0.292	2.024
3	19:28:57	0.325	0.185	6.676	19.160	51.600	0.170	0.324	1.905
x		0.239	0.163	6.536	19.140	51.110	0.166	0.299	1.959
σ		0.084	0.023	0.123	0.266	0.517	0.008	0.022	0.060
%RSD		35.010	14.190	1.887	1.391	1.012	4.828	7.490	3.068

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:34	2.076	5.473	5.869	-0.109	-2.692	-1.029	0.000	49.840
2	19:28:15	1.980	5.395	5.427	-0.262	-0.765	-1.573	0.000	49.740
3	19:28:57	1.968	5.576	5.562	0.283	-2.018	0.431	0.000	49.720
x		2.008	5.481	5.619	-0.030	-1.825	-0.724	0.000	49.760
σ		0.060	0.091	0.227	0.281	0.978	1.036	0.000	0.063
%RSD		2.973	1.652	4.033	951.800	53.570	143.100	0.000	0.127

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:34	95.718%	2.894	3.218	95.358%	-0.015	-0.028	-0.074	-0.056
2	19:28:15	97.436%	2.872	3.025	96.587%	-0.013	-0.029	-0.016	-0.004
3	19:28:57	97.849%	2.805	2.646	97.502%	-0.025	-0.034	-0.047	0.015
x		97.001%	2.857	2.963	96.482%	-0.017	-0.030	-0.045	-0.015
σ		1.130%	0.046	0.291	1.076%	0.006	0.003	0.029	0.036
%RSD		1.165	1.624	9.818	1.115	36.160	9.856	63.660	241.800

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:34	97.771%	1.227	0.108	0.089	9.822	10.050	104.424%	106.111%
2	19:28:15	99.979%	0.935	0.092	0.109	9.008	10.110	107.622%	109.048%
3	19:28:57	101.514%	0.628	0.093	0.050	9.720	9.352	109.140%	110.512%
x		99.755%	0.930	0.098	0.082	9.517	9.839	107.062%	108.557%
σ		1.882%	0.300	0.009	0.030	0.444	0.422	2.407%	2.241%
%RSD		1.887	32.240	9.414	36.260	4.660	4.291	2.248	2.064

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:34	0.181	0.185	0.109	0.122	0.107	111.918%
2	19:28:15	0.159	0.176	0.085	0.107	0.091	115.460%
3	19:28:57	0.155	0.149	0.069	0.090	0.092	116.900%
x		0.165	0.170	0.088	0.106	0.097	114.759%
σ		0.014	0.019	0.020	0.016	0.009	2.564%
%RSD		8.548	11.020	22.930	14.830	8.893	2.234

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:31:48	73.142%	46.490	867.500	854.300	0.000	114000.000	54160.000	54480.000
2	19:32:30	73.627%	48.990	864.800	859.700	0.000	114800.000	54440.000	54400.000
3	19:33:11	72.594%	46.710	865.400	855.900	0.000	114400.000	53980.000	54320.000
x		73.121%	47.400	865.900	856.600	0.000	114400.000	54190.000	54400.000
σ		0.517%	1.385	1.417	2.762	0.000	396.000	232.300	80.600
%RSD		0.707	2.921	0.164	0.323	0.000	0.346	0.429	0.148

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:31:48	1910.000	10430.000	0.000	59300.000	88550.000	88350.000	88.027%	894.200
2	19:32:30	1857.000	10360.000	0.000	59230.000	89600.000	89480.000	87.337%	916.100
3	19:33:11	1854.000	10280.000	0.000	59070.000	88040.000	88140.000	87.300%	898.500
x		1874.000	10350.000	0.000	59200.000	88730.000	88660.000	87.555%	902.900
σ		31.560	73.280	0.000	121.300	794.900	721.000	0.410%	11.600
%RSD		1.684	0.708	0.000	0.205	0.896	0.813	0.468	1.285

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:31:48	466.300	185.700	491.800	1061.000	1361.000	470.400	461.600	233.800
2	19:32:30	470.600	188.200	497.600	1081.000	1374.000	475.600	462.600	234.100
3	19:33:11	462.400	185.000	491.600	1069.000	1381.000	471.300	459.800	231.100
x		466.500	186.300	493.700	1071.000	1372.000	472.400	461.300	233.000
σ		4.097	1.708	3.416	10.010	9.886	2.803	1.389	1.623
%RSD		0.878	0.917	0.692	0.935	0.721	0.593	0.301	0.696

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:31:48	237.700	512.200	510.800	36.630	8.918	8.927	0.000	1208.000
2	19:32:30	240.500	514.900	517.200	37.880	9.651	10.250	0.000	1146.000
3	19:33:11	238.200	508.700	509.300	37.580	8.745	9.164	0.000	1143.000
x		238.800	511.900	512.400	37.360	9.105	9.448	0.000	1166.000
σ		1.517	3.134	4.169	0.655	0.481	0.706	0.000	36.760
%RSD		0.635	0.612	0.814	1.752	5.282	7.471	0.000	3.154

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:31:48	91.229%	924.000	963.100	89.762%	46.260	45.570	48.120	41.670
2	19:32:30	91.298%	941.500	981.300	90.395%	46.540	44.960	47.180	41.660
3	19:33:11	91.526%	952.400	990.100	90.410%	45.940	44.990	48.770	41.240
x		91.351%	939.300	978.100	90.189%	46.250	45.170	48.030	41.520
σ		0.156%	14.330	13.770	0.370%	0.299	0.344	0.798	0.246
%RSD		0.170	1.526	1.408	0.410	0.647	0.762	1.662	0.592

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:31:48	94.668%	1926.000	469.400	473.200	1785.000	1828.000	105.471%	106.758%
2	19:32:30	94.556%	1932.000	473.000	475.100	1781.000	1825.000	106.669%	107.181%
3	19:33:11	95.149%	1924.000	470.200	471.500	1779.000	1819.000	106.101%	107.825%
x		94.791%	1927.000	470.900	473.300	1782.000	1824.000	106.080%	107.254%
σ		0.315%	4.084	1.875	1.788	3.209	4.331	0.599%	0.537%
%RSD		0.333	0.212	0.398	0.378	0.180	0.238	0.565	0.501

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:31:48	46.640	46.010	18.870	18.630	18.860	116.067%
2	19:32:30	47.590	47.330	19.270	19.230	19.280	113.721%
3	19:33:11	47.830	47.500	19.340	19.220	19.300	112.663%
x		47.350	46.950	19.160	19.030	19.150	114.150%
σ		0.631	0.816	0.250	0.342	0.250	1.742%
%RSD		1.332	1.738	1.307	1.796	1.306	1.526

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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	19:36:00	70.544%	53.200	949.600	935.400	0.000	123300.000	58520.000	58670.000
2	19:36:42	69.558%	51.570	917.700	903.300	0.000	123500.000	58280.000	57990.000
3	19:37:23	68.365%	50.460	914.800	896.800	0.000	123200.000	58120.000	58150.000
x		69.489%	51.740	927.300	911.800	0.000	123400.000	58310.000	58270.000
σ		1.091%	1.380	19.330	20.660	0.000	151.300	198.900	355.700
%RSD		1.570	2.666	2.085	2.266	0.000	0.123	0.341	0.610

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:36:00	1997.000	11150.000	0.000	63780.000	94760.000	95050.000	85.804%	977.300
2	19:36:42	2029.000	10960.000	0.000	63250.000	94500.000	93920.000	85.590%	961.600
3	19:37:23	2023.000	10900.000	0.000	62720.000	94870.000	94640.000	85.031%	973.900
x		2017.000	11000.000	0.000	63250.000	94710.000	94540.000	85.475%	971.000
σ		17.330	130.200	0.000	531.000	191.100	573.000	0.399%	8.290
%RSD		0.860	1.183	0.000	0.840	0.202	0.606	0.467	0.854

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:36:00	499.700	199.900	528.800	1133.000	1460.000	505.000	492.500	246.800
2	19:36:42	500.300	198.200	524.900	1103.000	1434.000	503.200	485.500	244.300
3	19:37:23	500.100	197.500	530.900	1131.000	1435.000	502.200	487.200	242.600
x		500.000	198.500	528.200	1122.000	1443.000	503.500	488.400	244.600
σ		0.282	1.192	3.032	16.620	14.730	1.411	3.630	2.140
%RSD		0.056	0.600	0.574	1.480	1.021	0.280	0.743	0.875

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:36:00	252.600	537.800	542.600	38.830	8.877	9.399	0.000	1196.000
2	19:36:42	252.900	540.100	540.700	39.140	8.537	10.870	0.000	1191.000
3	19:37:23	250.400	536.900	537.700	39.700	8.603	12.170	0.000	1190.000
x		252.000	538.300	540.400	39.220	8.672	10.810	0.000	1192.000
σ		1.380	1.647	2.467	0.441	0.180	1.385	0.000	3.565
%RSD		0.547	0.306	0.457	1.125	2.079	12.810	0.000	0.299

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:36:00	92.865%	983.500	1031.000	88.660%	49.350	48.340	49.180	42.740
2	19:36:42	93.197%	1002.000	1056.000	88.959%	49.640	48.400	50.220	43.910
3	19:37:23	93.816%	1008.000	1074.000	88.724%	49.790	47.750	49.630	44.890
x		93.293%	997.700	1054.000	88.781%	49.590	48.160	49.680	43.850
σ		0.483%	12.650	21.440	0.158%	0.223	0.361	0.518	1.077
%RSD		0.518	1.267	2.034	0.177	0.450	0.749	1.043	2.456

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:36:00	93.582%	2063.000	503.000	505.600	1914.000	1960.000	103.722%	105.034%
2	19:36:42	93.951%	2070.000	506.500	505.800	1900.000	1953.000	106.482%	107.072%
3	19:37:23	94.306%	2074.000	508.100	512.200	1913.000	1968.000	106.349%	108.622%
x		93.946%	2069.000	505.800	507.900	1909.000	1960.000	105.518%	106.909%
σ		0.362%	5.237	2.617	3.744	8.011	7.562	1.556%	1.799%
%RSD		0.386	0.253	0.517	0.737	0.420	0.386	1.475	1.683

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:36:00	49.700	49.480	20.340	19.700	19.880	114.488%
2	19:36:42	50.550	50.040	20.230	20.600	20.470	113.683%
3	19:37:23	51.610	50.860	20.780	20.990	20.730	113.269%
x		50.620	50.130	20.450	20.430	20.360	113.813%
σ		0.957	0.694	0.290	0.659	0.439	0.620%
%RSD		1.890	1.384	1.417	3.226	2.158	0.545

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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	19:39:48	70.484%	0.035	75.890	75.830	0.000	44770.000	4876.000	4846.000
2	19:40:30	68.977%	-0.000	70.330	77.280	0.000	45680.000	4927.000	4971.000
3	19:41:11	69.721%	0.035	73.810	74.150	0.000	45530.000	4932.000	4910.000
x		69.727%	0.023	73.350	75.750	0.000	45330.000	4912.000	4909.000
σ		0.753%	0.020	2.809	1.565	0.000	490.800	31.000	62.620
%RSD		1.081	88.230	3.829	2.066	0.000	1.083	0.631	1.276

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:39:48	201.300	4749.000	0.000	3175.000	59550.000	60500.000	84.816%	14.690
2	19:40:30	203.200	4838.000	0.000	3186.000	60090.000	60900.000	84.889%	11.480
3	19:41:11	202.900	4785.000	0.000	3174.000	59180.000	60620.000	85.206%	11.690
x		202.500	4791.000	0.000	3178.000	59610.000	60680.000	84.970%	12.620
σ		1.051	44.730	0.000	6.568	455.600	206.300	0.207%	1.792
%RSD		0.519	0.934	0.000	0.207	0.764	0.340	0.244	14.200

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:39:48	12.130	-0.000	36.740	99.500	323.400	0.432	0.958	2.255
2	19:40:30	11.880	-0.059	36.390	95.090	316.700	0.457	1.110	2.319
3	19:41:11	11.660	-0.140	36.180	93.950	317.000	0.431	0.997	2.325
x		11.890	-0.066	36.440	96.180	319.000	0.440	1.021	2.300
σ		0.234	0.070	0.283	2.928	3.765	0.015	0.079	0.039
%RSD		1.969	105.300	0.778	3.044	1.180	3.391	7.714	1.683

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:39:48	2.535	8.238	8.455	9.698	-2.282	-0.038	0.000	297.100
2	19:40:30	2.359	8.322	7.616	9.302	-2.412	-0.090	0.000	296.000
3	19:41:11	2.162	7.759	7.996	8.740	-2.995	-2.846	0.000	298.700
x		2.352	8.107	8.022	9.247	-2.563	-0.991	0.000	297.300
σ		0.186	0.303	0.420	0.481	0.379	1.606	0.000	1.350
%RSD		7.926	3.743	5.240	5.202	14.800	162.100	0.000	0.454

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:39:48	94.404%	35.020	36.450	91.160%	-0.009	-0.028	0.079	-0.012
2	19:40:30	95.178%	23.770	25.430	91.980%	-0.014	-0.019	-0.018	-0.077
3	19:41:11	94.976%	19.640	20.040	91.668%	-0.012	-0.021	-0.045	-0.025
x		94.853%	26.150	27.300	91.603%	-0.012	-0.023	0.006	-0.038
σ		0.402%	7.961	8.365	0.414%	0.003	0.004	0.065	0.035
%RSD		0.424	30.450	30.640	0.452	22.610	18.840	1176.000	91.070

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:39:48	97.070%	7.041	18.320	18.660	32.130	31.420	107.467%	108.953%
2	19:40:30	98.272%	5.093	18.280	18.360	30.810	31.850	107.393%	110.383%
3	19:41:11	96.883%	4.577	18.230	18.470	30.720	32.080	108.328%	109.254%
x		97.408%	5.570	18.280	18.500	31.220	31.780	107.729%	109.530%
σ		0.754%	1.299	0.042	0.153	0.790	0.333	0.520%	0.754%
%RSD		0.774	23.330	0.231	0.825	2.532	1.046	0.483	0.689

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:39:48	0.263	0.276	6.778	6.631	6.594	116.082%
2	19:40:30	0.210	0.207	6.723	6.393	6.670	116.071%
3	19:41:11	0.180	0.187	6.810	6.380	6.561	115.902%
x		0.218	0.223	6.770	6.468	6.608	116.018%
σ		0.042	0.047	0.044	0.141	0.056	0.101%
%RSD		19.360	20.900	0.653	2.177	0.843	0.087

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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	19:44:01	71.429%	0.034	62.250	59.730	0.000	39310.000	5469.000	5412.000
2	19:44:43	70.285%	0.035	55.710	57.490	0.000	38760.000	5340.000	5402.000
3	19:45:24	69.787%	0.047	55.720	57.390	0.000	39060.000	5341.000	5342.000
x		70.500%	0.039	57.900	58.210	0.000	39050.000	5384.000	5385.000
σ		0.842%	0.008	3.773	1.325	0.000	271.600	73.890	37.670
%RSD		1.194	19.620	6.517	2.277	0.000	0.696	1.373	0.699

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:44:01	67.100	4195.000	0.000	2784.000	65470.000	66270.000	84.926%	2.290
2	19:44:43	65.570	4156.000	0.000	2765.000	65630.000	66300.000	84.774%	2.088
3	19:45:24	65.300	3968.000	0.000	2759.000	68620.000	66570.000	84.227%	1.947
x		65.990	4106.000	0.000	2769.000	66570.000	66380.000	84.642%	2.108
σ		0.972	121.600	0.000	13.030	1776.000	164.100	0.368%	0.173
%RSD		1.472	2.961	0.000	0.471	2.667	0.247	0.435	8.187

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:44:01	6.423	0.449	26.100	357.600	602.100	0.300	1.018	1.818
2	19:44:43	6.316	0.487	26.450	355.500	602.400	0.255	0.911	1.708
3	19:45:24	5.922	0.407	26.370	355.600	601.200	0.218	0.823	1.796
x		6.221	0.447	26.310	356.200	601.900	0.258	0.917	1.774
σ		0.264	0.040	0.187	1.209	0.627	0.041	0.098	0.058
%RSD		4.240	8.956	0.711	0.339	0.104	16.100	10.670	3.282

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:44:01	1.810	6.872	6.666	5.562	-1.332	-0.704	0.000	327.500
2	19:44:43	1.763	7.112	6.671	5.242	-3.062	-0.033	0.000	325.600
3	19:45:24	1.761	7.116	6.297	4.892	-2.299	-1.823	0.000	323.700
x		1.778	7.033	6.545	5.232	-2.231	-0.853	0.000	325.600
σ		0.028	0.140	0.214	0.335	0.867	0.904	0.000	1.902
%RSD		1.575	1.983	3.277	6.406	38.860	106.000	0.000	0.584

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:44:01	92.176%	9.097	9.377	89.874%	-0.032	-0.030	-0.038	-0.034
2	19:44:43	93.013%	8.291	8.540	90.453%	-0.011	-0.042	0.089	0.083
3	19:45:24	93.646%	7.757	8.102	90.689%	-0.037	-0.037	-0.085	-0.007
x		92.945%	8.381	8.673	90.339%	-0.027	-0.036	-0.011	0.014
σ		0.737%	0.675	0.648	0.419%	0.014	0.006	0.090	0.061
%RSD		0.793	8.051	7.471	0.464	52.580	17.580	807.900	428.800

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:44:01	94.212%	2.864	11.080	10.920	31.310	31.860	103.338%	105.356%
2	19:44:43	95.876%	2.128	10.660	10.690	29.850	31.080	106.179%	107.685%
3	19:45:24	96.171%	1.641	10.320	10.930	29.970	30.930	107.064%	108.473%
x		95.420%	2.211	10.690	10.850	30.380	31.290	105.527%	107.171%
σ		1.056%	0.616	0.382	0.139	0.809	0.503	1.947%	1.621%
%RSD		1.107	27.850	3.570	1.285	2.664	1.607	1.845	1.512

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:44:01	0.104	0.089	4.543	4.353	4.439	114.490%
2	19:44:43	0.083	0.074	4.580	4.509	4.507	114.684%
3	19:45:24	0.087	0.072	4.670	4.612	4.544	115.189%
x		0.091	0.078	4.598	4.491	4.497	114.788%
σ		0.011	0.009	0.065	0.131	0.053	0.361%
%RSD		11.870	11.800	1.421	2.907	1.183	0.314

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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	19:48:15	66.188%	0.026	64.530	61.770	0.000	50440.000	5186.000	5191.000
2	19:48:57	65.606%	-0.037	61.380	64.670	0.000	50550.000	5195.000	5252.000
3	19:49:38	67.461%	0.013	59.630	61.050	0.000	49850.000	5156.000	5154.000
x		66.419%	0.001	61.840	62.500	0.000	50280.000	5179.000	5199.000
σ		0.949%	0.033	2.483	1.914	0.000	374.000	20.480	49.480
%RSD		1.428	4283.000	4.015	3.062	0.000	0.744	0.396	0.952

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:48:15	152.500	4271.000	0.000	3211.000	60860.000	62290.000	82.111%	5.509
2	19:48:57	159.600	4322.000	0.000	3235.000	62180.000	62440.000	82.020%	5.795
3	19:49:38	152.700	4237.000	0.000	3194.000	64290.000	61830.000	82.755%	5.848
x		154.900	4277.000	0.000	3214.000	62440.000	62190.000	82.295%	5.717
σ		4.049	42.990	0.000	20.660	1733.000	318.800	0.401%	0.183
%RSD		2.613	1.005	0.000	0.643	2.775	0.513	0.487	3.191

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:48:15	6.988	-0.135	31.120	98.100	320.200	0.274	0.674	1.818
2	19:48:57	7.382	-0.147	31.400	96.160	323.000	0.257	0.633	1.948
3	19:49:38	7.017	-0.151	31.080	93.430	311.500	0.238	0.639	1.950
x		7.129	-0.144	31.200	95.900	318.200	0.256	0.649	1.905
σ		0.220	0.009	0.176	2.347	6.007	0.018	0.022	0.076
%RSD		3.081	5.944	0.564	2.447	1.888	6.962	3.383	3.978

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:48:15	1.837	7.848	8.297	5.581	-3.597	-2.838	0.000	295.700
2	19:48:57	1.740	7.916	7.702	5.827	-2.457	-0.371	0.000	293.000
3	19:49:38	1.869	7.982	7.198	5.894	-3.816	-1.016	0.000	293.100
x		1.815	7.915	7.733	5.767	-3.290	-1.408	0.000	294.000
σ		0.067	0.067	0.550	0.165	0.730	1.280	0.000	1.522
%RSD		3.703	0.849	7.115	2.864	22.180	90.870	0.000	0.518

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:48:15	91.398%	10.280	10.460	87.437%	-0.033	-0.037	-0.027	-0.046
2	19:48:57	92.417%	10.100	10.740	88.441%	-0.031	-0.040	-0.040	-0.007
3	19:49:38	92.766%	10.190	10.470	89.154%	-0.032	-0.042	0.029	0.024
x		92.194%	10.190	10.560	88.344%	-0.032	-0.040	-0.013	-0.010
σ		0.711%	0.093	0.158	0.863%	0.001	0.003	0.037	0.035
%RSD		0.771	0.911	1.495	0.977	3.579	6.658	281.600	357.700

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:48:15	94.205%	1.391	14.500	15.060	26.540	27.060	105.417%	106.717%
2	19:48:57	95.137%	1.165	14.640	15.170	26.400	27.450	107.134%	108.551%
3	19:49:38	95.882%	1.453	14.320	15.250	26.250	26.640	107.358%	109.419%
x		95.075%	1.336	14.490	15.160	26.400	27.050	106.636%	108.229%
σ		0.840%	0.152	0.160	0.095	0.141	0.405	1.062%	1.379%
%RSD		0.884	11.350	1.106	0.627	0.532	1.497	0.996	1.275

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:48:15	0.058	0.051	4.516	4.569	4.534	116.831%
2	19:48:57	0.053	0.050	4.745	4.583	4.650	117.236%
3	19:49:38	0.044	0.039	5.046	4.746	4.794	116.817%
x		0.052	0.047	4.769	4.633	4.659	116.961%
σ		0.007	0.007	0.266	0.099	0.130	0.238%
%RSD		13.170	13.930	5.567	2.128	2.791	0.203

CCV 586960 10/10/2012 7:54:40 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	19:55:22	75.165%	104.000	91.420	92.620	0.000	50590.000	49360.000	49570.000
2	19:56:04	74.784%	101.900	95.040	89.970	0.000	50490.000	49210.000	49260.000
3	19:56:45	74.003%	100.600	90.960	89.750	0.000	51020.000	49600.000	49710.000
x		74.651%	102.162%	92.472%	90.781%	0.000	101.398%	98.774%	99.024%
σ		0.592%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.793	1.705	2.413	1.761	0.000	0.563	0.399	0.470

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:22	487.300	4855.000	0.000	48820.000	47480.000	48550.000	90.023%	96.180
2	19:56:04	486.900	5155.000	0.000	48560.000	48270.000	48550.000	90.686%	96.560
3	19:56:45	490.200	5217.000	0.000	49100.000	48730.000	48780.000	90.674%	97.710
x		97.631%	101.506%	0.000	97.654%	96.317%	97.255%	90.461%	96.817%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.380%	n/a
%RSD		0.373	3.813	0.000	0.551	1.314	0.270	0.420	0.824

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:22	94.920	97.500	489.600	25030.000	25090.000	98.330	97.970	95.610
2	19:56:04	95.300	98.020	491.700	25060.000	25320.000	99.560	98.120	96.660
3	19:56:45	96.320	98.980	496.200	25240.000	25460.000	99.390	98.990	96.250
x		95.512%	98.166%	98.505%	100.431%	101.163%	99.092%	98.358%	96.172%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.757	0.766	0.687	0.464	0.735	0.672	0.563	0.554

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:22	98.770	105.600	102.900	96.640	94.110	96.360	0.000	94.740
2	19:56:04	97.520	104.600	104.400	95.720	96.490	96.360	0.000	94.470
3	19:56:45	97.430	104.200	105.900	95.670	98.020	97.840	0.000	94.340
x		97.908%	104.797%	104.417%	96.007%	96.207%	96.853%	0.000	94.516%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.765	0.703	1.454	0.567	2.046	0.885	0.000	0.220

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:22	94.721%	96.450	99.290	92.375%	97.970	96.490	98.800	98.380
2	19:56:04	95.736%	97.820	101.900	93.773%	97.690	95.820	97.400	96.780
3	19:56:45	96.528%	97.320	102.600	94.286%	97.180	95.300	98.370	96.270
x		95.662%	97.195%	101.253%	93.478%	97.614%	95.869%	98.191%	97.144%
σ		0.906%	n/a	n/a	0.989%	n/a	n/a	n/a	n/a
%RSD		0.947	0.711	1.716	1.058	0.411	0.620	0.731	1.136

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:22	95.932%	98.400	98.540	98.150	92.250	93.630	103.608%	104.875%
2	19:56:04	97.899%	96.020	96.820	97.660	92.440	93.750	105.153%	107.314%
3	19:56:45	99.480%	97.050	96.920	97.140	91.620	92.540	107.210%	108.281%
x		97.770%	97.158%	97.427%	97.653%	92.103%	93.305%	105.324%	106.823%
σ		1.778%	n/a	n/a	n/a	n/a	n/a	1.807%	1.755%
%RSD		1.818	1.228	0.991	0.520	0.467	0.715	1.715	1.643

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:22	98.360	98.380	99.540	99.720	99.560	112.939%
2	19:56:04	99.240	99.220	100.700	100.700	100.500	114.298%
3	19:56:45	98.990	98.680	99.690	100.000	100.200	115.459%
x		98.865%	98.762%	99.980%	100.134%	100.106%	114.232%
σ		n/a	n/a	n/a	n/a	n/a	1.262%
%RSD		0.457	0.432	0.640	0.490	0.495	1.104

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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	20:02:32	80.312%	0.047	3.752	2.620	0.000	33.970	11.270	12.850
2	20:03:14	78.918%	-0.005	2.144	2.314	0.000	32.520	10.330	10.380
3	20:03:56	79.183%	0.006	1.613	2.553	0.000	24.660	6.457	6.173
x		79.471%	0.016	2.503	2.496	0.000	30.380	9.352	9.801
σ		0.741%	0.027	1.114	0.161	0.000	5.010	2.551	3.377
%RSD		0.932	172.900	44.500	6.450	0.000	16.490	27.280	34.450

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:02:32	9.484	2.750	0.000	18.190	18.270	25.600	93.091%	0.055
2	20:03:14	8.853	3.001	0.000	16.780	25.940	18.460	92.858%	0.071
3	20:03:56	9.135	1.955	0.000	13.360	15.240	16.080	93.192%	0.008
x		9.157	2.569	0.000	16.110	19.810	20.050	93.047%	0.045
σ		0.316	0.546	0.000	2.487	5.516	4.951	0.171%	0.033
%RSD		3.449	21.250	0.000	15.440	27.840	24.700	0.184	73.010

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:02:32	0.047	0.030	0.239	10.320	13.170	0.016	0.072	0.234
2	20:03:14	0.027	0.003	0.189	5.960	8.755	0.015	0.055	0.175
3	20:03:56	0.016	0.004	0.136	2.446	5.882	0.010	0.051	0.196
x		0.030	0.012	0.188	6.243	9.270	0.013	0.059	0.202
σ		0.016	0.016	0.052	3.947	3.673	0.003	0.011	0.030
%RSD		53.790	126.300	27.430	63.210	39.620	24.820	18.700	14.820

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:02:32	0.117	2.289	2.308	-0.268	-0.259	-1.503	0.000	0.085
2	20:03:14	0.177	2.359	2.473	-0.457	-1.350	-2.813	0.000	0.100
3	20:03:56	0.146	2.381	2.313	-0.234	-0.869	-1.248	0.000	0.043
x		0.147	2.343	2.365	-0.319	-0.826	-1.855	0.000	0.076
σ		0.030	0.048	0.094	0.120	0.547	0.840	0.000	0.029
%RSD		20.500	2.057	3.975	37.560	66.230	45.270	0.000	38.630

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:02:32	96.324%	0.668	0.642	97.154%	-0.015	-0.020	0.042	0.047
2	20:03:14	98.766%	0.588	0.560	98.795%	-0.015	-0.023	-0.064	-0.045
3	20:03:56	98.466%	0.455	0.488	98.894%	-0.020	-0.022	0.009	-0.009
x		97.852%	0.571	0.563	98.281%	-0.017	-0.022	-0.004	-0.002
σ		1.332%	0.108	0.077	0.977%	0.003	0.001	0.054	0.046
%RSD		1.361	18.940	13.660	0.994	18.850	6.775	1295.000	2099.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:02:32	98.701%	-0.217	-0.076	-0.125	0.064	0.040	102.480%	104.207%
2	20:03:14	100.920%	-0.262	-0.101	-0.126	0.061	0.034	105.385%	106.443%
3	20:03:56	101.977%	-0.244	-0.121	-0.131	0.046	0.049	107.353%	108.155%
x		100.533%	-0.241	-0.099	-0.127	0.057	0.041	105.073%	106.268%
σ		1.672%	0.023	0.022	0.003	0.010	0.008	2.452%	1.980%
%RSD		1.664	9.462	22.440	2.419	16.700	19.190	2.333	1.863

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:02:32	0.064	0.055	0.047	0.045	0.034	114.588%
2	20:03:14	0.054	0.042	0.030	0.051	0.038	115.531%
3	20:03:56	0.025	0.046	0.017	0.023	0.019	118.185%
x		0.048	0.048	0.031	0.040	0.030	116.101%
σ		0.020	0.007	0.015	0.015	0.010	1.865%
%RSD		42.970	14.090	48.640	36.980	33.680	1.607

660-50368-A-4-A 10/10/2012 8:06:07 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	20:06:49	70.082%	0.023	52.090	53.280	0.000	44430.000	5800.000	5788.000
2	20:07:31	68.613%	-0.000	52.870	53.940	0.000	44740.000	5863.000	5845.000
3	20:08:12	69.330%	0.024	49.670	53.270	0.000	45050.000	5911.000	5859.000
x		69.342%	0.015	51.550	53.500	0.000	44740.000	5858.000	5831.000
σ		0.735%	0.014	1.670	0.381	0.000	309.800	55.880	37.810
%RSD		1.060	87.950	3.241	0.712	0.000	0.692	0.954	0.649

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:06:49	76.020	4031.000	0.000	2917.000	72980.000	69690.000	84.444%	3.022
2	20:07:31	78.250	3912.000	0.000	2930.000	73670.000	70230.000	84.359%	2.150
3	20:08:12	76.910	3947.000	0.000	2972.000	70010.000	70240.000	84.133%	2.172
x		77.060	3963.000	0.000	2940.000	72220.000	70050.000	84.312%	2.448
σ		1.119	61.020	0.000	28.830	1946.000	315.500	0.161%	0.497
%RSD		1.453	1.540	0.000	0.981	2.694	0.450	0.190	20.320

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:06:49	4.537	0.218	23.760	136.100	395.400	0.190	0.648	1.388
2	20:07:31	4.536	0.194	23.730	134.900	389.800	0.221	0.626	1.389
3	20:08:12	4.381	0.168	23.930	137.400	394.400	0.211	0.906	1.440
x		4.484	0.193	23.810	136.100	393.200	0.207	0.727	1.406
σ		0.090	0.025	0.106	1.274	2.949	0.016	0.156	0.030
%RSD		2.003	12.950	0.446	0.936	0.750	7.777	21.440	2.105

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:06:49	1.324	5.103	4.965	3.525	-2.962	-0.866	0.000	333.500
2	20:07:31	1.356	5.013	5.387	3.800	-2.356	-0.466	0.000	340.200
3	20:08:12	1.273	4.923	5.103	3.252	-2.015	-1.367	0.000	337.700
x		1.318	5.013	5.152	3.526	-2.444	-0.899	0.000	337.100
σ		0.042	0.090	0.215	0.274	0.480	0.451	0.000	3.388
%RSD		3.149	1.798	4.182	7.769	19.620	50.180	0.000	1.005

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:06:49	93.571%	5.645	5.822	90.020%	-0.025	-0.033	-0.055	-0.028
2	20:07:31	93.472%	5.767	6.140	90.147%	-0.030	-0.034	0.002	0.010
3	20:08:12	94.243%	6.116	6.008	90.928%	-0.030	-0.039	-0.060	-0.053
x		93.762%	5.843	5.990	90.365%	-0.028	-0.035	-0.038	-0.024
σ		0.420%	0.244	0.159	0.492%	0.003	0.003	0.034	0.032
%RSD		0.447	4.181	2.661	0.544	10.080	8.256	90.390	133.700

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:06:49	95.433%	0.761	7.708	7.741	29.600	30.140	105.824%	106.423%
2	20:07:31	96.677%	0.579	7.717	7.749	30.450	30.010	107.398%	108.524%
3	20:08:12	95.958%	0.798	7.610	7.997	29.220	30.370	107.625%	108.777%
x		96.023%	0.713	7.679	7.829	29.760	30.170	106.949%	107.908%
σ		0.624%	0.117	0.059	0.146	0.628	0.179	0.981%	1.292%
%RSD		0.650	16.430	0.773	1.862	2.109	0.595	0.917	1.198

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:06:49	0.052	0.032	2.719	2.694	2.668	122.207%
2	20:07:31	0.029	0.023	2.905	2.754	2.823	119.831%
3	20:08:12	0.018	0.024	2.880	2.856	2.842	117.475%
x		0.033	0.026	2.835	2.768	2.778	119.838%
σ		0.017	0.005	0.101	0.082	0.095	2.366%
%RSD		52.460	19.650	3.554	2.962	3.423	1.974

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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	20:11:03	65.071%	0.091	572.800	567.900	0.000	332900.000	1002.000	1003.000
2	20:11:44	63.307%	-0.011	570.600	577.400	0.000	337600.000	1024.000	1007.000
3	20:12:26	63.618%	-0.011	559.300	573.800	0.000	335700.000	1021.000	1013.000
x		63.999%	0.023	567.600	573.100	0.000	335400.000	1016.000	1008.000
σ		0.942%	0.059	7.261	4.768	0.000	2383.000	12.100	5.009
%RSD		1.472	251.800	1.279	0.832	0.000	0.711	1.191	0.497

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:11:03	135.700	3929.000	0.000	2228.000	5057.000	4719.000	85.410%	1.072
2	20:11:44	138.100	3837.000	0.000	2216.000	4845.000	4637.000	85.361%	1.378
3	20:12:26	134.900	3957.000	0.000	2230.000	4890.000	4614.000	85.500%	1.291
x		136.300	3907.000	0.000	2225.000	4931.000	4657.000	85.424%	1.247
σ		1.649	62.760	0.000	7.409	111.500	55.040	0.070%	0.158
%RSD		1.210	1.606	0.000	0.333	2.260	1.182	0.082	12.630

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:11:03	0.423	1.815	13.380	459.200	460.200	0.160	0.854	17.440
2	20:11:44	0.498	1.828	13.410	458.300	459.400	0.179	1.133	17.260
3	20:12:26	0.754	1.804	13.530	457.400	462.100	0.149	1.128	17.380
x		0.558	1.816	13.440	458.300	460.600	0.163	1.038	17.360
σ		0.174	0.012	0.080	0.908	1.378	0.015	0.160	0.090
%RSD		31.120	0.654	0.598	0.198	0.299	9.169	15.370	0.518

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:11:03	16.630	10.590	12.030	3.025	-1.844	4.144	0.000	422.800
2	20:11:44	16.810	11.130	11.060	3.384	-1.894	4.473	0.000	424.900
3	20:12:26	16.790	10.740	11.990	2.708	-2.377	3.320	0.000	426.000
x		16.740	10.820	11.690	3.039	-2.038	3.979	0.000	424.600
σ		0.102	0.279	0.547	0.338	0.294	0.594	0.000	1.615
%RSD		0.607	2.576	4.678	11.130	14.440	14.930	0.000	0.380

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:11:03	91.356%	1.731	1.803	88.075%	-0.017	-0.020	-0.053	-0.015
2	20:11:44	92.318%	1.624	1.785	88.528%	-0.019	-0.031	-0.060	-0.066
3	20:12:26	92.066%	1.680	1.710	87.880%	-0.008	-0.028	-0.017	-0.031
x		91.914%	1.678	1.766	88.161%	-0.015	-0.026	-0.043	-0.037
σ		0.499%	0.053	0.050	0.333%	0.005	0.005	0.023	0.026
%RSD		0.543	3.171	2.807	0.377	37.480	20.750	53.290	69.250

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:11:03	92.112%	1.781	-0.103	-0.112	287.100	292.100	101.142%	103.407%
2	20:11:44	93.371%	1.662	-0.100	-0.133	284.800	290.200	103.564%	105.265%
3	20:12:26	92.548%	1.249	-0.122	-0.073	288.100	292.900	102.504%	104.704%
x		92.677%	1.564	-0.108	-0.106	286.700	291.700	102.404%	104.459%
σ		0.640%	0.279	0.012	0.030	1.736	1.397	1.214%	0.953%
%RSD		0.690	17.860	10.740	28.520	0.605	0.479	1.186	0.913

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:11:03	0.025	0.022	3.774	3.760	3.737	114.723%
2	20:11:44	0.013	0.015	3.743	3.766	3.749	114.087%
3	20:12:26	0.024	0.030	3.853	3.797	3.802	112.102%
x		0.021	0.023	3.790	3.774	3.763	113.637%
σ		0.007	0.007	0.057	0.020	0.035	1.367%
%RSD		33.460	32.600	1.494	0.523	0.919	1.203

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:15:18	72.709%	0.044	71.030	69.010	0.000	34030.000	8979.000	9014.000
2	20:16:00	71.511%	0.010	70.730	71.130	0.000	34370.000	9112.000	9098.000
3	20:16:42	72.265%	0.021	67.430	70.750	0.000	34310.000	9026.000	9103.000
x		72.162%	0.025	69.730	70.300	0.000	34240.000	9039.000	9072.000
σ		0.606%	0.017	1.997	1.131	0.000	183.600	67.680	50.420
%RSD		0.840	68.970	2.864	1.608	0.000	0.536	0.749	0.556

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:15:18	161.800	1635.000	0.000	3641.000	32710.000	31620.000	88.176%	2.137
2	20:16:00	169.300	1646.000	0.000	3675.000	32750.000	31910.000	87.373%	2.305
3	20:16:42	163.100	1639.000	0.000	3671.000	32700.000	31860.000	87.560%	1.803
x		164.700	1640.000	0.000	3662.000	32720.000	31800.000	87.703%	2.082
σ		3.989	5.799	0.000	18.410	27.640	156.000	0.420%	0.255
%RSD		2.422	0.354	0.000	0.503	0.084	0.491	0.479	12.260

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:15:18	0.450	0.461	74.360	452.300	564.700	0.660	2.315	3.253
2	20:16:00	0.629	0.541	75.810	455.400	569.700	0.653	2.180	3.175
3	20:16:42	0.668	0.552	75.270	456.600	560.400	0.641	2.122	3.289
x		0.582	0.518	75.150	454.800	564.900	0.652	2.205	3.239
σ		0.117	0.050	0.735	2.230	4.637	0.010	0.099	0.058
%RSD		20.000	9.578	0.978	0.491	0.821	1.466	4.488	1.794

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:15:18	3.163	9.144	9.101	0.690	-1.827	0.474	0.000	194.000
2	20:16:00	3.138	9.038	8.541	0.737	-2.577	1.229	0.000	190.300
3	20:16:42	3.306	9.043	9.696	0.439	-2.491	-0.603	0.000	192.800
x		3.202	9.075	9.113	0.622	-2.298	0.367	0.000	192.400
σ		0.090	0.060	0.578	0.160	0.411	0.921	0.000	1.882
%RSD		2.823	0.659	6.342	25.790	17.870	251.200	0.000	0.979

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:15:18	93.889%	2.064	2.255	92.389%	-0.034	-0.026	0.051	0.049
2	20:16:00	95.424%	2.038	2.180	93.420%	-0.020	-0.025	0.002	0.015
3	20:16:42	95.489%	2.122	2.327	94.002%	-0.020	-0.021	0.105	0.066
x		94.934%	2.075	2.254	93.270%	-0.025	-0.024	0.053	0.043
σ		0.905%	0.043	0.074	0.817%	0.008	0.003	0.051	0.026
%RSD		0.954	2.082	3.268	0.876	32.550	12.660	97.860	59.570

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:15:18	96.749%	0.126	-0.020	-0.049	42.070	41.490	103.388%	105.396%
2	20:16:00	96.876%	0.309	-0.004	-0.002	42.180	41.700	106.022%	106.840%
3	20:16:42	97.395%	0.367	-0.019	-0.021	41.640	42.020	106.291%	108.587%
x		97.006%	0.267	-0.014	-0.024	41.970	41.740	105.233%	106.941%
σ		0.342%	0.126	0.009	0.024	0.288	0.267	1.604%	1.598%
%RSD		0.353	47.070	63.120	99.640	0.687	0.640	1.524	1.494

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:15:18	0.042	0.026	1.552	1.510	1.531	114.357%
2	20:16:00	0.033	0.028	1.540	1.602	1.574	115.827%
3	20:16:42	0.032	0.029	1.628	1.534	1.566	116.971%
x		0.036	0.028	1.573	1.549	1.557	115.719%
σ		0.006	0.001	0.048	0.048	0.023	1.310%
%RSD		15.410	5.330	3.032	3.092	1.452	1.132

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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	20:24:17	69.929%	-0.013	74.670	72.270	0.000	38530.000	10060.000	10160.000
2	20:24:59	70.252%	-0.001	74.040	70.290	0.000	38250.000	10040.000	10060.000
3	20:25:41	70.102%	-0.025	75.380	68.790	0.000	38120.000	10070.000	10100.000
x		70.094%	-0.013	74.700	70.450	0.000	38300.000	10060.000	10110.000
σ		0.161%	0.012	0.666	1.747	0.000	210.900	14.480	48.730
%RSD		0.230	91.960	0.892	2.479	0.000	0.551	0.144	0.482

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:24:17	195.200	1605.000	0.000	3336.000	36270.000	35320.000	85.819%	0.204
2	20:24:59	200.800	1589.000	0.000	3331.000	36500.000	35690.000	85.621%	0.306
3	20:25:41	195.100	1606.000	0.000	3321.000	36910.000	35410.000	85.471%	0.460
x		197.000	1600.000	0.000	3329.000	36560.000	35470.000	85.637%	0.323
σ		3.300	9.318	0.000	7.901	327.400	195.600	0.174%	0.129
%RSD		1.675	0.582	0.000	0.237	0.896	0.551	0.204	39.730

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:24:17	0.399	0.300	10.100	270.100	401.200	0.181	1.397	10.750
2	20:24:59	0.580	0.312	9.971	272.000	400.400	0.191	1.674	10.490
3	20:25:41	0.488	0.294	10.110	271.900	393.800	0.180	1.570	10.550
x		0.489	0.302	10.060	271.300	398.400	0.184	1.547	10.600
σ		0.090	0.010	0.078	1.044	4.080	0.006	0.140	0.137
%RSD		18.460	3.150	0.771	0.385	1.024	3.487	9.038	1.293

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:24:17	10.800	34.180	35.280	-0.113	-1.845	-2.396	0.000	215.400
2	20:24:59	11.380	34.650	34.970	0.179	-2.565	-1.512	0.000	216.600
3	20:25:41	10.970	34.070	33.320	0.108	-2.719	-1.871	0.000	215.000
x		11.050	34.300	34.520	0.058	-2.377	-1.926	0.000	215.700
σ		0.300	0.310	1.052	0.152	0.467	0.445	0.000	0.786
%RSD		2.713	0.904	3.048	261.900	19.640	23.080	0.000	0.364

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:24:17	94.644%	2.443	2.386	91.634%	-0.040	-0.034	-0.027	0.001
2	20:24:59	94.745%	2.147	2.383	91.871%	-0.028	-0.035	0.057	0.033
3	20:25:41	95.105%	2.203	2.344	92.546%	-0.034	-0.038	-0.035	0.031
x		94.831%	2.264	2.371	92.017%	-0.034	-0.035	-0.002	0.022
σ		0.242%	0.157	0.023	0.474%	0.006	0.002	0.051	0.018
%RSD		0.256	6.943	0.983	0.515	17.440	5.509	3345.000	84.420

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:24:17	96.591%	0.863	0.006	0.019	42.140	43.120	106.822%	106.986%
2	20:24:59	97.250%	0.601	-0.008	-0.035	41.320	42.560	107.182%	108.588%
3	20:25:41	97.770%	0.486	0.034	0.004	42.080	42.460	107.676%	109.336%
x		97.204%	0.650	0.010	-0.004	41.850	42.710	107.227%	108.303%
σ		0.591%	0.193	0.021	0.028	0.456	0.354	0.429%	1.201%
%RSD		0.608	29.740	202.300	672.600	1.089	0.829	0.400	1.109

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:24:17	0.030	0.039	3.522	3.502	3.453	123.966%
2	20:24:59	0.041	0.036	3.742	3.738	3.711	118.009%
3	20:25:41	0.024	0.026	3.747	3.862	3.802	115.585%
x		0.032	0.034	3.670	3.700	3.655	119.187%
σ		0.009	0.007	0.129	0.183	0.182	4.313%
%RSD		27.380	19.480	3.506	4.936	4.964	3.619

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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	20:28:33	68.606%	-0.000	2409.000	2337.000	0.000	80260.000	145500.000	144100.000
2	20:29:14	67.453%	0.013	2342.000	2259.000	0.000	80050.000	144100.000	143400.000
3	20:29:56	66.860%	-0.024	2349.000	2235.000	0.000	80070.000	143200.000	142800.000
x		67.640%	-0.004	2367.000	2277.000	0.000	80120.000	144200.000	143400.000
σ		0.888%	0.019	36.940	53.610	0.000	114.500	1166.000	679.200
%RSD		1.313	479.100	1.560	2.354	0.000	0.143	0.808	0.474

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:28:33	63.000	2287.000	0.000	12400.000	270200.000	270900.000	84.747%	1.697
2	20:29:14	63.270	2304.000	0.000	12350.000	271500.000	271600.000	83.509%	1.654
3	20:29:56	62.900	2261.000	0.000	12370.000	269800.000	270800.000	83.221%	1.798
x		63.060	2284.000	0.000	12370.000	270500.000	271100.000	83.826%	1.716
σ		0.194	21.510	0.000	24.730	902.600	388.000	0.811%	0.074
%RSD		0.307	0.942	0.000	0.200	0.334	0.143	0.967	4.326

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:28:33	3.016	0.396	40.370	301.800	1368.000	0.632	2.720	1.285
2	20:29:14	2.830	0.453	40.370	302.400	1369.000	0.624	3.108	1.321
3	20:29:56	2.955	0.502	40.940	303.400	1347.000	0.684	2.836	1.332
x		2.933	0.450	40.560	302.500	1361.000	0.647	2.888	1.313
σ		0.095	0.053	0.329	0.810	12.500	0.033	0.199	0.025
%RSD		3.231	11.830	0.812	0.268	0.918	5.078	6.895	1.889

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:28:33	1.514	10.180	10.100	2.564	4.678	8.508	0.000	469.600
2	20:29:14	1.516	10.310	10.210	2.585	3.119	7.792	0.000	472.900
3	20:29:56	1.601	9.819	9.002	2.731	3.986	8.669	0.000	470.800
x		1.544	10.100	9.769	2.627	3.927	8.323	0.000	471.100
σ		0.049	0.253	0.666	0.091	0.781	0.467	0.000	1.687
%RSD		3.196	2.502	6.823	3.460	19.890	5.613	0.000	0.358

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:28:33	91.067%	7.199	7.252	86.448%	-0.032	-0.030	0.132	0.060
2	20:29:14	91.087%	7.165	7.543	86.232%	-0.032	-0.035	0.043	0.024
3	20:29:56	91.550%	7.337	7.526	86.267%	-0.027	-0.037	0.028	0.023
x		91.235%	7.234	7.440	86.316%	-0.030	-0.034	0.068	0.036
σ		0.273%	0.091	0.163	0.116%	0.003	0.004	0.056	0.021
%RSD		0.300	1.258	2.195	0.134	9.486	10.360	83.490	58.340

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:28:33	90.815%	1.750	0.139	0.209	25.710	25.750	101.617%	103.808%
2	20:29:14	91.952%	1.913	0.219	0.180	25.210	25.840	103.449%	104.294%
3	20:29:56	93.026%	1.551	0.221	0.267	25.260	26.180	103.518%	106.582%
x		91.931%	1.738	0.193	0.219	25.390	25.930	102.861%	104.895%
σ		1.106%	0.182	0.046	0.045	0.276	0.228	1.078%	1.481%
%RSD		1.203	10.450	24.080	20.420	1.087	0.878	1.048	1.412

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:28:33	0.013	0.027	0.366	0.365	0.358	108.151%
2	20:29:14	0.026	0.020	0.371	0.380	0.361	107.320%
3	20:29:56	0.017	0.023	0.390	0.349	0.373	108.584%
x		0.019	0.023	0.376	0.364	0.364	108.018%
σ		0.007	0.004	0.012	0.016	0.008	0.642%
%RSD		36.760	15.830	3.288	4.350	2.150	0.594

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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	20:37:05	90.859%	-0.037	11.010	10.230	0.000	26.100	19.640	18.910
2	20:37:47	89.598%	-0.018	10.290	9.042	0.000	33.270	26.160	25.690
3	20:38:28	90.173%	-0.018	8.137	9.076	0.000	33.750	29.760	29.730
x		90.210%	-0.024	9.813	9.450	0.000	31.040	25.190	24.780
σ		0.631%	0.011	1.495	0.678	0.000	4.283	5.128	5.467
%RSD		0.700	44.360	15.240	7.174	0.000	13.800	20.360	22.060

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:37:05	0.017	-0.265	0.000	-5.454	30.880	33.970	102.709%	-0.060
2	20:37:47	0.018	-0.027	0.000	-3.854	45.850	43.420	102.958%	-0.046
3	20:38:28	-0.044	-0.151	0.000	-4.396	69.340	49.760	102.549%	-0.045
x		-0.003	-0.148	0.000	-4.568	48.690	42.380	102.739%	-0.050
σ		0.036	0.119	0.000	0.814	19.390	7.949	0.206%	0.008
%RSD		1153.000	80.340	0.000	17.810	39.820	18.760	0.201	16.270

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:37:05	0.016	0.067	0.037	-3.058	-1.052	0.004	0.004	-0.039
2	20:37:47	0.112	0.069	0.055	-3.692	-2.990	-0.004	0.004	-0.015
3	20:38:28	0.006	0.042	0.062	-3.430	-2.777	0.000	0.000	0.002
x		0.045	0.060	0.051	-3.393	-2.273	0.000	0.003	-0.017
σ		0.058	0.015	0.013	0.319	1.062	0.004	0.002	0.021
%RSD		130.800	25.230	25.190	9.392	46.740	16290.000	84.760	118.500

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:37:05	-0.018	-0.111	-0.297	-0.744	-2.656	-3.104	0.000	0.097
2	20:37:47	-0.031	0.051	-0.234	-0.649	-2.199	-2.653	0.000	0.144
3	20:38:28	-0.060	0.051	-0.194	-0.663	-2.346	-3.161	0.000	0.143
x		-0.036	-0.003	-0.242	-0.685	-2.400	-2.973	0.000	0.128
σ		0.022	0.094	0.052	0.051	0.233	0.278	0.000	0.027
%RSD		60.660	3300.000	21.500	7.500	9.716	9.362	0.000	20.840

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:37:05	99.418%	0.080	0.106	99.118%	-0.037	-0.045	-0.041	-0.021
2	20:37:47	99.270%	0.160	0.153	99.711%	-0.039	-0.045	-0.037	-0.010
3	20:38:28	99.735%	0.075	0.125	100.319%	-0.036	-0.045	0.008	-0.016
x		99.474%	0.105	0.128	99.716%	-0.037	-0.045	-0.024	-0.016
σ		0.237%	0.047	0.023	0.600%	0.002	0.000	0.027	0.006
%RSD		0.238	45.220	18.200	0.602	4.447	0.053	115.800	37.140

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:37:05	101.651%	0.322	-0.180	-0.192	0.011	0.000	106.802%	109.001%
2	20:37:47	101.509%	0.634	-0.189	-0.207	0.018	-0.004	107.769%	109.226%
3	20:38:28	102.069%	0.470	-0.179	-0.209	-0.010	0.012	108.069%	110.520%
x		101.743%	0.475	-0.182	-0.203	0.006	0.003	107.547%	109.582%
σ		0.291%	0.156	0.006	0.010	0.015	0.008	0.662%	0.820%
%RSD		0.286	32.840	3.028	4.702	239.600	278.300	0.616	0.748

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:37:05	0.007	0.002	0.028	0.011	0.017	115.807%
2	20:37:47	0.007	0.005	0.019	0.011	0.017	115.969%
3	20:38:28	0.002	0.008	0.009	0.021	0.017	115.760%
x		0.006	0.005	0.019	0.014	0.017	115.846%
σ		0.003	0.003	0.010	0.006	0.000	0.110%
%RSD		49.280	65.770	52.220	40.390	2.212	0.095

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:41:22	69.611%	49.360	868.400	858.300	0.000	50200.000	47780.000	47930.000
2	20:42:03	67.344%	49.460	861.600	852.600	0.000	51090.000	48140.000	48180.000
3	20:42:45	66.382%	49.940	867.600	858.500	0.000	51590.000	48830.000	48800.000
x		67.779%	49.590	865.800	856.500	0.000	50960.000	48250.000	48300.000
σ		1.658%	0.310	3.725	3.339	0.000	703.500	528.900	451.900
%RSD		2.446	0.625	0.430	0.390	0.000	1.381	1.096	0.936

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:41:22	1920.000	9041.000	0.000	47550.000	46800.000	46260.000	85.575%	939.700
2	20:42:03	1932.000	8995.000	0.000	47450.000	47320.000	46300.000	86.405%	937.000
3	20:42:45	1918.000	9130.000	0.000	48100.000	48510.000	46940.000	85.120%	953.100
x		1923.000	9056.000	0.000	47700.000	47540.000	46500.000	85.700%	943.300
σ		7.547	68.600	0.000	350.600	876.600	379.900	0.652%	8.609
%RSD		0.392	0.758	0.000	0.735	1.844	0.817	0.760	0.913

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:41:22	486.200	193.200	486.100	1027.000	1156.000	496.300	484.900	236.500
2	20:42:03	480.700	191.600	483.600	1020.000	1152.000	488.200	475.300	233.000
3	20:42:45	489.500	194.900	488.200	1036.000	1176.000	496.500	485.800	232.500
x		485.500	193.300	486.000	1028.000	1161.000	493.700	482.000	234.000
σ		4.467	1.625	2.347	7.900	12.850	4.738	5.820	2.179
%RSD		0.920	0.841	0.483	0.769	1.106	0.960	1.207	0.931

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:41:22	242.800	521.200	520.300	37.880	8.243	9.209	0.000	979.500
2	20:42:03	241.300	519.700	518.900	37.130	8.458	9.115	0.000	983.300
3	20:42:45	242.500	525.900	524.900	37.360	7.034	9.610	0.000	978.800
x		242.200	522.300	521.400	37.460	7.912	9.311	0.000	980.500
σ		0.825	3.246	3.151	0.385	0.768	0.263	0.000	2.421
%RSD		0.341	0.622	0.604	1.029	9.701	2.821	0.000	0.247

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:41:22	89.434%	935.100	973.100	90.347%	47.730	46.910	48.290	41.110
2	20:42:03	89.650%	966.500	1013.000	90.880%	47.680	46.290	48.890	42.510
3	20:42:45	90.320%	974.500	1020.000	91.372%	47.470	46.320	48.340	41.540
x		89.802%	958.700	1002.000	90.866%	47.630	46.500	48.510	41.720
σ		0.462%	20.850	25.110	0.512%	0.140	0.351	0.334	0.718
%RSD		0.514	2.175	2.507	0.564	0.293	0.754	0.688	1.721

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:41:22	94.465%	1972.000	479.300	479.700	1787.000	1838.000	104.406%	106.653%
2	20:42:03	95.872%	1985.000	483.700	487.200	1798.000	1846.000	106.241%	108.674%
3	20:42:45	97.013%	1964.000	480.700	482.800	1779.000	1829.000	107.942%	110.374%
x		95.783%	1974.000	481.300	483.200	1788.000	1838.000	106.197%	108.567%
σ		1.276%	10.720	2.229	3.787	9.287	8.151	1.768%	1.863%
%RSD		1.333	0.543	0.463	0.784	0.519	0.444	1.665	1.716

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:41:22	45.880	45.680	18.830	18.840	18.630	121.095%
2	20:42:03	48.080	47.470	19.120	19.600	19.330	118.826%
3	20:42:45	48.280	48.310	19.700	19.560	19.560	117.598%
x		47.410	47.150	19.220	19.330	19.170	119.173%
σ		1.333	1.345	0.442	0.427	0.486	1.774%
%RSD		2.811	2.853	2.297	2.209	2.535	1.489

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:45:37	73.220%	0.319	18.740	19.920	0.000	2762.000	5019.000	5032.000
2	20:46:19	73.018%	0.377	19.150	19.750	0.000	2811.000	5096.000	5129.000
3	20:47:00	72.234%	0.219	18.580	19.160	0.000	2792.000	5067.000	5045.000
x		72.824%	0.305	18.820	19.610	0.000	2788.000	5061.000	5069.000
σ		0.521%	0.080	0.297	0.400	0.000	24.790	39.200	52.580
%RSD		0.716	26.310	1.575	2.041	0.000	0.889	0.775	1.037

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:45:37	162.200	5159.000	0.000	787.100	10620.000	10340.000	86.003%	1.919
2	20:46:19	165.700	5594.000	0.000	801.100	10820.000	10370.000	86.500%	1.305
3	20:47:00	164.500	5139.000	0.000	786.400	10670.000	10310.000	87.157%	1.312
x		164.100	5297.000	0.000	791.500	10700.000	10340.000	86.553%	1.512
σ		1.777	256.700	0.000	8.303	103.400	31.830	0.579%	0.353
%RSD		1.083	4.847	0.000	1.049	0.966	0.308	0.669	23.310

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:45:37	0.791	0.352	413.100	218.600	248.500	3.759	28.640	6.089
2	20:46:19	0.889	0.330	414.100	217.400	251.000	3.747	28.640	6.199
3	20:47:00	1.267	0.407	409.700	215.400	254.400	3.768	28.440	6.141
x		0.983	0.363	412.300	217.100	251.300	3.758	28.570	6.143
σ		0.252	0.040	2.322	1.620	2.943	0.010	0.115	0.055
%RSD		25.600	11.020	0.563	0.746	1.171	0.272	0.403	0.896

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:45:37	6.324	87.830	88.090	-0.121	-2.424	-3.206	0.000	47.530
2	20:46:19	6.223	88.020	89.690	-0.672	-2.594	-4.506	0.000	47.640
3	20:47:00	6.285	88.910	86.940	-0.774	-2.378	-3.830	0.000	47.740
x		6.277	88.260	88.240	-0.522	-2.466	-3.847	0.000	47.640
σ		0.051	0.578	1.380	0.352	0.114	0.650	0.000	0.108
%RSD		0.808	0.654	1.564	67.340	4.614	16.900	0.000	0.226

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:45:37	97.740%	16.300	17.060	93.212%	-0.015	-0.025	0.396	0.468
2	20:46:19	98.083%	8.690	9.050	94.468%	-0.016	-0.017	0.433	0.565
3	20:47:00	97.885%	5.744	5.865	94.429%	-0.002	-0.017	0.698	0.510
x		97.903%	10.240	10.660	94.036%	-0.011	-0.020	0.509	0.514
σ		0.172%	5.448	5.769	0.714%	0.008	0.005	0.165	0.048
%RSD		0.176	53.180	54.120	0.759	73.520	23.460	32.380	9.421

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:45:37	97.229%	5.937	2.760	2.668	56.930	58.750	106.388%	107.879%
2	20:46:19	98.455%	4.004	1.988	1.896	57.110	58.040	107.201%	108.537%
3	20:47:00	97.872%	3.858	1.458	1.509	55.640	57.830	107.507%	109.404%
x		97.852%	4.600	2.069	2.024	56.560	58.200	107.032%	108.607%
σ		0.613%	1.161	0.654	0.590	0.802	0.482	0.578%	0.765%
%RSD		0.626	25.230	31.630	29.160	1.419	0.827	0.540	0.705

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:45:37	0.181	0.178	0.045	0.024	0.036	120.651%
2	20:46:19	0.141	0.126	0.041	0.043	0.039	118.951%
3	20:47:00	0.104	0.116	0.036	0.036	0.039	118.450%
x		0.142	0.140	0.041	0.034	0.038	119.350%
σ		0.038	0.033	0.005	0.010	0.002	1.154%
%RSD		27.070	23.760	11.230	27.830	5.367	0.967

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:49:50	70.384%	0.285	14.280	15.300	0.000	2904.000	5187.000	5205.000
2	20:50:32	68.851%	0.146	13.400	13.600	0.000	2912.000	5221.000	5255.000
3	20:51:14	68.720%	0.182	12.430	12.570	0.000	2909.000	5234.000	5238.000
x		69.319%	0.204	13.370	13.820	0.000	2908.000	5214.000	5233.000
σ		0.925%	0.072	0.928	1.379	0.000	3.654	24.640	25.320
%RSD		1.334	35.320	6.939	9.975	0.000	0.126	0.473	0.484

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:49:50	39.750	5657.000	0.000	808.400	11160.000	10540.000	85.070%	0.683
2	20:50:32	39.500	5319.000	0.000	803.000	11220.000	10580.000	85.128%	0.563
3	20:51:14	39.390	5311.000	0.000	805.600	10780.000	10650.000	85.064%	0.563
x		39.540	5429.000	0.000	805.700	11050.000	10590.000	85.087%	0.603
σ		0.183	197.600	0.000	2.684	242.000	55.310	0.036%	0.069
%RSD		0.463	3.640	0.000	0.333	2.189	0.522	0.042	11.450

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:49:50	0.715	0.348	423.500	134.000	166.900	3.724	29.550	5.168
2	20:50:32	0.922	0.376	426.200	132.600	168.000	3.689	29.080	5.332
3	20:51:14	1.050	0.358	426.100	131.600	168.700	3.745	29.080	5.328
x		0.896	0.361	425.300	132.700	167.800	3.719	29.240	5.276
σ		0.169	0.015	1.539	1.187	0.910	0.028	0.269	0.094
%RSD		18.860	4.028	0.362	0.895	0.542	0.759	0.921	1.772

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:49:50	5.428	88.480	88.170	-0.322	-3.500	-3.456	0.000	48.480
2	20:50:32	5.563	89.890	90.310	-0.589	-2.337	-3.729	0.000	49.080
3	20:51:14	5.600	88.130	90.890	-1.018	-3.045	-4.953	0.000	48.370
x		5.530	88.830	89.790	-0.643	-2.961	-4.046	0.000	48.650
σ		0.091	0.934	1.435	0.351	0.586	0.797	0.000	0.381
%RSD		1.642	1.051	1.598	54.570	19.800	19.710	0.000	0.783

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:49:50	96.636%	1.735	1.908	91.977%	-0.024	-0.037	0.570	0.517
2	20:50:32	97.815%	1.372	1.540	93.737%	-0.040	-0.044	0.660	0.554
3	20:51:14	98.351%	1.183	1.253	94.080%	-0.037	-0.037	0.437	0.461
x		97.601%	1.430	1.567	93.265%	-0.034	-0.039	0.555	0.511
σ		0.877%	0.281	0.329	1.128%	0.008	0.004	0.112	0.047
%RSD		0.899	19.620	20.960	1.210	24.410	9.913	20.220	9.219

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:49:50	96.357%	1.458	0.632	0.628	57.030	59.690	104.462%	105.767%
2	20:50:32	98.043%	1.106	0.426	0.443	57.040	59.820	107.190%	108.601%
3	20:51:14	99.460%	0.788	0.396	0.365	57.900	58.400	109.388%	111.019%
x		97.953%	1.117	0.485	0.479	57.320	59.300	107.013%	108.462%
σ		1.554%	0.335	0.129	0.135	0.500	0.784	2.467%	2.629%
%RSD		1.586	30.000	26.550	28.200	0.872	1.321	2.306	2.424

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:49:50	0.049	0.053	0.027	0.032	0.034	117.699%
2	20:50:32	0.039	0.044	0.034	0.018	0.025	118.164%
3	20:51:14	0.036	0.041	0.034	0.018	0.031	118.947%
x		0.041	0.046	0.032	0.023	0.030	118.270%
σ		0.007	0.007	0.004	0.008	0.005	0.631%
%RSD		16.310	14.380	12.250	34.640	15.270	0.533

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:54:03	68.104%	0.012	12.220	12.680	0.000	2607.000	4886.000	4885.000
2	20:54:45	68.519%	0.012	12.400	12.640	0.000	2592.000	4852.000	4873.000
3	20:55:27	68.791%	0.012	12.030	12.040	0.000	2606.000	4925.000	4945.000
x		68.472%	0.012	12.220	12.450	0.000	2602.000	4888.000	4901.000
σ		0.346%	0.000	0.184	0.359	0.000	8.658	36.410	38.700
%RSD		0.505	1.889	1.509	2.885	0.000	0.333	0.745	0.790

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:54:03	42.110	4215.000	0.000	1033.000	21090.000	20300.000	83.944%	0.522
2	20:54:45	41.880	4188.000	0.000	1031.000	20820.000	20030.000	84.493%	0.466
3	20:55:27	42.410	4229.000	0.000	1046.000	21000.000	20290.000	83.613%	0.386
x		42.130	4211.000	0.000	1037.000	20970.000	20210.000	84.017%	0.458
σ		0.266	20.730	0.000	8.005	137.300	154.900	0.444%	0.069
%RSD		0.631	0.492	0.000	0.772	0.655	0.767	0.529	14.970

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:54:03	0.764	0.211	415.900	74.730	154.800	0.714	3.446	2.749
2	20:54:45	0.918	0.202	413.500	73.440	146.300	0.708	3.411	2.662
3	20:55:27	0.783	0.244	416.900	74.770	149.400	0.763	3.411	2.726
x		0.821	0.219	415.500	74.320	150.200	0.728	3.422	2.712
σ		0.084	0.022	1.755	0.757	4.302	0.030	0.020	0.045
%RSD		10.220	9.964	0.422	1.018	2.864	4.124	0.586	1.662

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:54:03	2.863	6.560	7.494	-0.200	-2.697	-2.188	0.000	50.260
2	20:54:45	2.741	7.364	7.081	-0.718	-2.964	-3.951	0.000	50.630
3	20:55:27	2.736	7.147	7.716	-0.442	-2.664	-3.430	0.000	50.170
x		2.780	7.024	7.431	-0.453	-2.775	-3.190	0.000	50.350
σ		0.072	0.416	0.322	0.259	0.165	0.906	0.000	0.243
%RSD		2.596	5.919	4.335	57.190	5.936	28.400	0.000	0.482

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:54:03	93.356%	0.873	0.903	91.213%	-0.003	-0.004	0.056	0.023
2	20:54:45	94.010%	0.870	0.951	92.497%	-0.006	-0.011	-0.036	-0.021
3	20:55:27	94.327%	0.846	0.920	92.658%	0.006	-0.005	0.017	-0.024
x		93.898%	0.863	0.925	92.123%	-0.001	-0.006	0.012	-0.007
σ		0.495%	0.015	0.024	0.792%	0.006	0.004	0.046	0.026
%RSD		0.527	1.688	2.615	0.860	844.300	58.390	373.900	355.700

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:54:03	95.874%	0.904	0.124	0.160	243.600	247.900	106.428%	108.458%
2	20:54:45	97.634%	1.207	0.170	0.178	242.000	249.100	108.477%	109.978%
3	20:55:27	97.359%	1.511	0.144	0.170	242.800	247.300	107.521%	109.714%
x		96.956%	1.207	0.146	0.169	242.800	248.100	107.475%	109.383%
σ		0.947%	0.304	0.023	0.009	0.786	0.897	1.025%	0.812%
%RSD		0.977	25.170	15.740	5.530	0.324	0.362	0.954	0.742

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:54:03	0.019	0.024	0.126	0.120	0.124	116.702%
2	20:54:45	0.035	0.023	0.116	0.133	0.127	116.955%
3	20:55:27	0.034	0.029	0.116	0.131	0.121	115.222%
x		0.029	0.025	0.119	0.128	0.124	116.293%
σ		0.009	0.003	0.006	0.007	0.003	0.936%
%RSD		29.890	13.740	4.768	5.293	2.088	0.805

CCV 586960 10/10/2012 9:00:29 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	21:01:10	76.794%	98.010	91.600	88.210	0.000	50320.000	48770.000	48890.000
2	21:01:52	73.927%	101.800	92.950	92.890	0.000	51680.000	49800.000	50300.000
3	21:02:33	74.276%	104.000	98.260	91.750	0.000	51710.000	50170.000	50030.000
x		74.999%	101.275%	94.270%	90.950%	0.000	102.473%	99.157%	99.480%
σ		1.564%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		2.086	3.003	3.735	2.686	0.000	1.557	1.461	1.499

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:01:10	480.600	5088.000	0.000	48510.000	47120.000	47060.000	90.731%	100.200
2	21:01:52	493.600	5230.000	0.000	49390.000	47730.000	47340.000	90.841%	95.850
3	21:02:33	492.000	5196.000	0.000	49510.000	48190.000	47550.000	91.587%	98.500
x		97.744%	103.426%	0.000	98.276%	95.360%	94.633%	91.053%	98.185%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.466%	n/a
%RSD		1.447	1.428	0.000	1.120	1.126	0.518	0.512	2.234

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:01:10	94.940	97.700	489.500	25200.000	25090.000	98.240	96.990	95.210
2	21:01:52	95.270	98.030	490.200	25250.000	25310.000	98.820	98.250	94.880
3	21:02:33	96.470	98.440	491.600	25190.000	25320.000	98.210	97.780	95.500
x		95.559%	98.054%	98.087%	100.862%	100.957%	98.425%	97.672%	95.196%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.843	0.380	0.225	0.129	0.528	0.352	0.653	0.324

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:01:10	97.870	102.900	102.400	97.210	94.840	96.650	0.000	93.960
2	21:01:52	98.210	103.300	103.200	96.740	95.400	95.740	0.000	93.660
3	21:02:33	98.450	103.400	104.700	97.660	97.800	101.300	0.000	94.400
x		98.177%	103.206%	103.438%	97.202%	96.012%	97.898%	0.000	94.004%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.300	0.226	1.142	0.474	1.640	3.050	0.000	0.395

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:01:10	96.013%	94.120	97.390	93.543%	97.430	95.280	97.160	95.830
2	21:01:52	97.104%	97.650	101.100	94.097%	97.020	95.420	98.530	96.880
3	21:02:33	97.492%	99.570	102.400	94.428%	98.050	97.300	100.200	97.580
x		96.869%	97.112%	100.292%	94.022%	97.500%	95.999%	98.618%	96.762%
σ		0.767%	n/a	n/a	0.447%	n/a	n/a	n/a	n/a
%RSD		0.792	2.846	2.588	0.476	0.535	1.174	1.530	0.907

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:01:10	97.054%	96.260	97.120	97.590	90.780	94.680	103.556%	105.838%
2	21:01:52	98.034%	96.160	97.290	98.220	91.740	94.430	106.748%	108.205%
3	21:02:33	98.160%	97.400	98.890	99.010	94.030	95.040	106.096%	107.499%
x		97.749%	96.604%	97.769%	98.274%	92.184%	94.719%	105.467%	107.180%
σ		0.605%	n/a	n/a	n/a	n/a	n/a	1.687%	1.215%
%RSD		0.619	0.713	0.999	0.728	1.816	0.324	1.599	1.134

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:01:10	97.700	97.910	98.500	98.820	98.470	113.665%
2	21:01:52	98.940	98.740	99.260	100.300	99.290	114.603%
3	21:02:33	99.910	100.300	101.600	102.400	101.600	113.880%
x		98.851%	98.989%	99.771%	100.527%	99.793%	114.049%
σ		n/a	n/a	n/a	n/a	n/a	0.492%
%RSD		1.120	1.237	1.599	1.813	1.637	0.431

CCB6 10/10/2012 9:07:37 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	21:08:19	87.658%	0.011	1.931	2.271	0.000	33.000	16.580	16.180
2	21:09:01	88.204%	0.020	2.070	2.067	0.000	28.390	13.370	12.600
3	21:09:42	87.396%	0.011	1.939	2.041	0.000	23.590	7.800	7.856
x		87.753%	0.014	1.980	2.126	0.000	28.330	12.580	12.210
σ		0.412%	0.005	0.078	0.126	0.000	4.706	4.444	4.177
%RSD		0.470	37.480	3.927	5.936	0.000	16.610	35.320	34.200

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:08:19	8.175	1.355	0.000	12.170	22.110	22.330	105.011%	0.008
2	21:09:01	8.081	0.712	0.000	8.058	19.310	18.940	105.430%	-0.006
3	21:09:42	7.943	-0.183	0.000	3.745	11.320	12.670	105.286%	-0.047
x		8.066	0.628	0.000	7.991	17.580	17.980	105.242%	-0.015
σ		0.116	0.772	0.000	4.213	5.598	4.897	0.213%	0.029
%RSD		1.443	123.000	0.000	52.720	31.840	27.240	0.202	192.500

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:08:19	0.057	0.031	0.323	1.483	11.040	0.033	0.047	0.146
2	21:09:01	-0.007	0.002	0.284	-2.091	8.255	0.016	0.092	0.178
3	21:09:42	0.080	0.018	0.151	-6.086	0.257	0.013	0.046	0.119
x		0.043	0.017	0.253	-2.231	6.517	0.021	0.062	0.148
σ		0.045	0.014	0.090	3.786	5.597	0.010	0.026	0.030
%RSD		104.800	83.770	35.770	169.700	85.880	50.490	42.490	19.970

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:08:19	0.201	2.414	1.986	-0.165	-2.447	-0.562	0.000	0.103
2	21:09:01	0.103	2.213	2.605	-0.135	-2.373	-0.396	0.000	0.078
3	21:09:42	0.115	2.163	1.936	-0.460	-1.308	-1.887	0.000	0.058
x		0.140	2.263	2.176	-0.253	-2.043	-0.948	0.000	0.080
σ		0.054	0.133	0.373	0.180	0.637	0.817	0.000	0.022
%RSD		38.520	5.876	17.120	70.950	31.200	86.170	0.000	27.860

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:08:19	103.692%	0.528	0.540	97.541%	0.003	-0.009	-0.026	-0.028
2	21:09:01	105.260%	0.342	0.475	99.432%	-0.013	-0.014	0.001	-0.025
3	21:09:42	106.286%	0.297	0.382	99.889%	-0.026	-0.024	-0.013	-0.030
x		105.079%	0.389	0.465	98.954%	-0.012	-0.015	-0.013	-0.027
σ		1.306%	0.122	0.079	1.245%	0.014	0.008	0.014	0.002
%RSD		1.243	31.340	17.070	1.258	121.300	49.270	107.300	8.804

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:08:19	98.914%	-0.637	-0.074	-0.088	0.071	0.171	102.966%	104.265%
2	21:09:01	101.241%	-0.585	-0.105	-0.114	0.097	0.096	105.211%	106.889%
3	21:09:42	102.477%	-1.137	-0.136	-0.129	0.053	0.078	107.990%	108.606%
x		100.877%	-0.786	-0.105	-0.110	0.074	0.115	105.389%	106.587%
σ		1.809%	0.305	0.031	0.021	0.022	0.050	2.517%	2.186%
%RSD		1.793	38.750	29.670	19.040	30.350	43.060	2.388	2.051

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:08:19	0.072	0.049	0.043	0.029	0.041	113.543%
2	21:09:01	0.052	0.043	0.039	0.035	0.038	115.704%
3	21:09:42	0.020	0.031	0.046	0.017	0.036	118.094%
x		0.048	0.041	0.043	0.027	0.038	115.780%
σ		0.026	0.009	0.004	0.009	0.002	2.276%
%RSD		54.740	22.760	8.727	33.960	6.325	1.966

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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	21:12:35	73.110%	-0.002	9.221	9.885	0.000	2644.000	5002.000	5002.000
2	21:13:16	73.345%	-0.002	11.010	10.030	0.000	2614.000	4975.000	4986.000
3	21:13:58	73.203%	-0.037	9.914	9.474	0.000	2614.000	4958.000	5009.000
x		73.219%	-0.014	10.050	9.796	0.000	2624.000	4978.000	4999.000
σ		0.118%	0.020	0.903	0.288	0.000	17.110	22.250	12.000
%RSD		0.162	142.600	8.981	2.938	0.000	0.652	0.447	0.240

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:12:35	21.110	4383.000	0.000	1072.000	21330.000	20550.000	86.878%	0.217
2	21:13:16	21.100	4326.000	0.000	1065.000	21070.000	20420.000	86.254%	0.589
3	21:13:58	21.230	4342.000	0.000	1070.000	21650.000	20670.000	85.410%	0.172
x		21.150	4351.000	0.000	1069.000	21350.000	20550.000	86.181%	0.326
σ		0.071	29.600	0.000	3.693	286.900	126.700	0.737%	0.229
%RSD		0.336	0.680	0.000	0.346	1.344	0.617	0.855	70.210

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:12:35	0.268	0.148	250.100	51.060	133.700	0.195	3.172	0.709
2	21:13:16	0.325	0.141	250.100	48.340	132.800	0.187	3.166	0.664
3	21:13:58	0.413	0.220	251.600	47.990	136.400	0.193	3.059	0.690
x		0.335	0.170	250.600	49.130	134.300	0.191	3.132	0.688
σ		0.073	0.044	0.845	1.682	1.836	0.004	0.064	0.023
%RSD		21.840	25.910	0.337	3.423	1.367	2.195	2.036	3.274

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:12:35	0.749	4.783	5.865	-0.750	-1.587	-4.110	0.000	51.530
2	21:13:16	0.849	4.800	5.213	-0.046	-2.328	-1.566	0.000	51.520
3	21:13:58	0.814	4.864	5.392	-0.510	-1.837	-3.592	0.000	51.090
x		0.804	4.815	5.490	-0.435	-1.917	-3.089	0.000	51.380
σ		0.051	0.043	0.337	0.358	0.377	1.344	0.000	0.254
%RSD		6.289	0.887	6.139	82.310	19.680	43.510	0.000	0.493

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:12:35	94.628%	0.430	0.420	94.000%	-0.022	-0.034	-0.081	-0.056
2	21:13:16	94.787%	0.401	0.449	94.269%	-0.027	-0.029	0.048	0.063
3	21:13:58	94.711%	0.354	0.450	93.570%	-0.039	-0.036	-0.047	-0.044
x		94.708%	0.395	0.440	93.946%	-0.029	-0.033	-0.027	-0.012
σ		0.079%	0.039	0.017	0.352%	0.008	0.004	0.067	0.065
%RSD		0.084	9.804	3.829	0.375	28.670	10.990	250.800	530.500

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:12:35	96.299%	0.770	0.024	-0.018	240.200	243.700	104.810%	106.542%
2	21:13:16	97.488%	0.917	0.012	0.017	236.500	240.600	106.192%	108.084%
3	21:13:58	97.324%	0.867	0.014	0.009	236.500	242.700	105.789%	107.160%
x		97.037%	0.851	0.016	0.003	237.800	242.300	105.597%	107.262%
σ		0.645%	0.075	0.007	0.019	2.127	1.570	0.711%	0.776%
%RSD		0.664	8.815	39.620	687.700	0.895	0.648	0.673	0.723

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:12:35	0.028	0.034	0.008	0.010	0.010	122.684%
2	21:13:16	0.015	0.014	0.030	0.004	0.021	118.400%
3	21:13:58	0.017	0.015	0.031	0.023	0.016	115.539%
x		0.020	0.021	0.023	0.012	0.015	118.874%
σ		0.007	0.011	0.013	0.010	0.006	3.596%
%RSD		34.610	52.320	56.340	80.160	37.000	3.025

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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	21:16:49	71.890%	0.022	6.918	6.695	0.000	1936.000	1172.000	1168.000
2	21:17:31	70.790%	-0.013	5.160	6.081	0.000	1952.000	1186.000	1179.000
3	21:18:13	69.585%	0.011	5.912	6.544	0.000	1940.000	1179.000	1170.000
x		70.755%	0.007	5.997	6.440	0.000	1943.000	1179.000	1172.000
σ		1.153%	0.018	0.882	0.320	0.000	8.288	7.022	6.177
%RSD		1.629	270.100	14.710	4.972	0.000	0.427	0.596	0.527

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:16:49	15.700	3665.000	0.000	479.200	2881.000	2887.000	84.294%	0.382
2	21:17:31	17.860	3830.000	0.000	488.000	2981.000	2934.000	83.300%	0.787
3	21:18:13	16.220	3755.000	0.000	485.400	3114.000	2902.000	83.734%	0.385
x		16.590	3750.000	0.000	484.200	2992.000	2907.000	83.776%	0.518
σ		1.129	82.610	0.000	4.487	116.900	24.070	0.498%	0.233
%RSD		6.805	2.203	0.000	0.927	3.907	0.828	0.595	44.970

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:16:49	0.564	0.329	2.500	36.470	44.930	0.034	0.212	0.578
2	21:17:31	0.766	0.241	2.404	35.930	44.810	0.023	0.315	0.587
3	21:18:13	0.676	0.292	2.397	34.760	41.450	0.038	0.269	0.586
x		0.669	0.287	2.434	35.720	43.730	0.032	0.265	0.584
σ		0.101	0.044	0.057	0.876	1.977	0.008	0.052	0.005
%RSD		15.110	15.340	2.358	2.451	4.522	24.240	19.440	0.876

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:16:49	0.571	2.636	2.717	-0.481	-3.124	-4.464	0.000	14.040
2	21:17:31	0.586	2.681	2.550	-0.883	-3.390	-3.803	0.000	13.760
3	21:18:13	0.599	2.888	2.851	-0.549	-4.086	-3.557	0.000	14.120
x		0.585	2.735	2.706	-0.638	-3.533	-3.941	0.000	13.970
σ		0.014	0.134	0.151	0.215	0.497	0.469	0.000	0.192
%RSD		2.387	4.913	5.568	33.730	14.060	11.900	0.000	1.376

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:16:49	91.837%	0.286	0.277	91.558%	-0.037	-0.031	-0.049	-0.004
2	21:17:31	93.564%	0.220	0.278	92.796%	-0.028	-0.040	-0.017	-0.028
3	21:18:13	93.360%	0.178	0.269	92.295%	-0.035	-0.037	-0.033	0.000
x		92.920%	0.228	0.275	92.216%	-0.033	-0.036	-0.033	-0.011
σ		0.943%	0.055	0.005	0.623%	0.005	0.005	0.016	0.015
%RSD		1.015	24.020	1.875	0.675	14.410	12.840	49.010	143.100

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:16:49	93.761%	0.459	-0.119	-0.106	10.340	10.790	102.168%	103.474%
2	21:17:31	96.642%	0.399	-0.127	-0.156	10.610	10.460	104.690%	106.257%
3	21:18:13	96.410%	0.157	-0.135	-0.154	10.650	10.620	105.745%	107.531%
x		95.604%	0.338	-0.127	-0.138	10.530	10.630	104.201%	105.754%
σ		1.601%	0.160	0.008	0.028	0.166	0.166	1.838%	2.075%
%RSD		1.674	47.310	5.982	20.390	1.576	1.560	1.764	1.962

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:16:49	0.021	0.012	0.019	0.029	0.021	116.374%
2	21:17:31	0.009	0.005	0.018	0.021	0.020	115.373%
3	21:18:13	0.020	0.008	0.029	0.011	0.026	116.994%
x		0.017	0.008	0.022	0.020	0.022	116.247%
σ		0.007	0.003	0.006	0.009	0.003	0.818%
%RSD		41.190	36.560	27.810	45.840	14.980	0.703

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:03	69.808%	0.011	5.428	5.686	0.000	1819.000	1088.000	1078.000
2	21:21:45	69.596%	-0.025	6.297	6.313	0.000	1815.000	1081.000	1088.000
3	21:22:27	70.601%	0.023	6.847	6.033	0.000	1819.000	1075.000	1072.000
x		70.002%	0.003	6.191	6.010	0.000	1818.000	1082.000	1079.000
σ		0.530%	0.025	0.716	0.314	0.000	2.034	6.368	7.916
%RSD		0.757	834.300	11.560	5.226	0.000	0.112	0.589	0.733

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:03	3.864	3453.000	0.000	449.400	2601.000	2602.000	84.557%	0.260
2	21:21:45	3.769	3498.000	0.000	452.200	2740.000	2643.000	84.884%	0.327
3	21:22:27	3.669	3492.000	0.000	454.100	2828.000	2616.000	85.325%	0.206
x		3.767	3481.000	0.000	451.900	2723.000	2620.000	84.922%	0.265
σ		0.098	24.700	0.000	2.382	114.800	20.520	0.386%	0.061
%RSD		2.588	0.710	0.000	0.527	4.216	0.783	0.454	22.920

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:03	0.651	0.433	2.585	278.000	283.100	0.055	0.569	0.602
2	21:21:45	0.808	0.395	2.585	282.200	283.300	0.031	0.622	0.589
3	21:22:27	0.806	0.356	2.499	281.200	281.200	0.022	0.643	0.556
x		0.755	0.395	2.557	280.500	282.500	0.036	0.612	0.582
σ		0.090	0.039	0.050	2.188	1.115	0.017	0.038	0.024
%RSD		11.930	9.796	1.942	0.780	0.395	47.160	6.247	4.062

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:03	0.482	5.766	5.764	-0.589	-3.117	-3.364	0.000	12.990
2	21:21:45	0.540	6.361	6.090	-0.662	-2.949	-3.589	0.000	12.860
3	21:22:27	0.616	5.969	6.361	-0.519	-3.673	-2.816	0.000	12.960
x		0.546	6.032	6.072	-0.590	-3.247	-3.256	0.000	12.940
σ		0.067	0.303	0.299	0.072	0.379	0.398	0.000	0.071
%RSD		12.330	5.019	4.921	12.130	11.660	12.210	0.000	0.548

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:03	93.390%	0.156	0.220	92.491%	-0.043	-0.042	-0.048	-0.042
2	21:21:45	94.513%	0.189	0.210	93.455%	-0.034	-0.042	-0.037	-0.027
3	21:22:27	94.822%	0.223	0.306	93.692%	-0.036	-0.041	-0.119	-0.068
x		94.241%	0.189	0.246	93.213%	-0.038	-0.042	-0.068	-0.046
σ		0.753%	0.033	0.053	0.636%	0.005	0.001	0.045	0.021
%RSD		0.799	17.660	21.600	0.683	12.770	1.571	65.960	45.340

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:03	96.523%	0.378	-0.067	-0.031	9.684	9.407	105.793%	106.915%
2	21:21:45	97.470%	0.925	-0.065	-0.025	10.050	9.733	107.474%	108.597%
3	21:22:27	97.795%	0.806	-0.040	-0.016	9.335	9.999	107.700%	108.871%
x		97.263%	0.703	-0.057	-0.024	9.690	9.713	106.989%	108.128%
σ		0.661%	0.288	0.015	0.008	0.357	0.297	1.042%	1.059%
%RSD		0.679	40.900	26.520	31.550	3.687	3.055	0.974	0.979

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:03	0.007	0.007	0.012	0.011	0.009	119.392%
2	21:21:45	0.004	0.001	0.005	0.016	0.014	119.281%
3	21:22:27	0.007	0.008	0.020	-0.003	0.010	117.416%
x		0.006	0.005	0.012	0.008	0.011	118.696%
σ		0.001	0.004	0.008	0.010	0.003	1.110%
%RSD		24.430	78.090	62.420	118.800	23.790	0.935

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:25:18	71.477%	-0.002	11.180	11.990	0.000	4429.000	950.500	962.800
2	21:26:00	70.641%	-0.013	11.630	10.940	0.000	4364.000	942.900	938.300
3	21:26:41	69.041%	-0.013	9.719	11.080	0.000	4482.000	958.000	961.100
x		70.386%	-0.009	10.840	11.340	0.000	4425.000	950.500	954.100
σ		1.238%	0.006	0.997	0.569	0.000	59.410	7.564	13.690
%RSD		1.759	71.060	9.194	5.019	0.000	1.343	0.796	1.435

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:25:18	33.320	5702.000	0.000	671.700	1182.000	1170.000	85.609%	0.798
2	21:26:00	29.760	5620.000	0.000	662.200	1089.000	1168.000	86.143%	0.809
3	21:26:41	34.350	5708.000	0.000	676.000	1173.000	1197.000	85.464%	1.052
x		32.480	5677.000	0.000	670.000	1148.000	1178.000	85.739%	0.886
σ		2.411	48.970	0.000	7.062	51.320	16.170	0.357%	0.144
%RSD		7.423	0.863	0.000	1.054	4.469	1.372	0.417	16.230

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:25:18	1.038	0.297	3.915	60.720	62.140	0.043	0.292	0.726
2	21:26:00	0.955	0.305	3.976	60.010	59.310	0.042	0.315	0.820
3	21:26:41	1.489	0.342	3.946	60.740	58.060	0.032	0.305	0.710
x		1.161	0.315	3.946	60.490	59.840	0.039	0.304	0.752
σ		0.288	0.024	0.030	0.416	2.088	0.006	0.012	0.060
%RSD		24.780	7.676	0.770	0.688	3.489	15.760	3.858	7.911

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:25:18	0.695	3.677	3.504	-0.261	-1.978	-1.647	0.000	10.310
2	21:26:00	0.838	3.481	3.506	-0.112	-2.126	-1.579	0.000	10.490
3	21:26:41	0.857	3.368	3.594	-0.272	-2.933	-1.127	0.000	10.270
x		0.797	3.509	3.534	-0.215	-2.346	-1.451	0.000	10.360
σ		0.088	0.156	0.052	0.089	0.514	0.283	0.000	0.120
%RSD		11.100	4.454	1.458	41.570	21.910	19.480	0.000	1.157

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:25:18	93.205%	0.139	0.150	92.292%	-0.033	-0.040	-0.040	-0.021
2	21:26:00	93.960%	0.143	0.122	93.590%	-0.038	-0.035	0.022	-0.008
3	21:26:41	95.779%	0.126	0.162	94.543%	-0.035	-0.037	-0.102	-0.080
x		94.315%	0.136	0.145	93.475%	-0.035	-0.037	-0.040	-0.037
σ		1.323%	0.009	0.021	1.130%	0.002	0.002	0.062	0.038
%RSD		1.403	6.715	14.290	1.209	7.090	6.360	156.200	104.400

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:25:18	94.373%	0.649	-0.147	-0.140	7.644	8.440	103.317%	104.770%
2	21:26:00	97.123%	0.447	-0.143	-0.162	8.111	8.161	106.147%	107.493%
3	21:26:41	99.167%	0.120	-0.131	-0.170	7.891	8.491	107.983%	109.746%
x		96.888%	0.405	-0.140	-0.157	7.882	8.364	105.816%	107.336%
σ		2.406%	0.267	0.008	0.016	0.234	0.178	2.351%	2.492%
%RSD		2.483	65.930	6.001	9.882	2.964	2.128	2.222	2.321

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:25:18	-0.002	0.010	0.076	0.073	0.076	112.577%
2	21:26:00	0.015	0.009	0.088	0.060	0.071	114.773%
3	21:26:41	-0.006	0.003	0.054	0.065	0.057	115.766%
x		0.002	0.007	0.072	0.066	0.068	114.372%
σ		0.011	0.004	0.017	0.006	0.010	1.632%
%RSD		472.200	51.970	23.900	9.418	14.050	1.427

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:29:33	68.895%	-0.025	13.090	11.680	0.000	4675.000	978.400	971.500
2	21:30:14	70.618%	0.034	10.380	11.220	0.000	4625.000	961.200	969.900
3	21:30:56	71.138%	-0.013	10.930	11.480	0.000	4679.000	992.400	963.900
x		70.217%	-0.001	11.470	11.460	0.000	4660.000	977.300	968.400
σ		1.174%	0.031	1.435	0.228	0.000	30.410	15.640	4.043
%RSD		1.672	2448.000	12.510	1.987	0.000	0.653	1.600	0.418

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:29:33	9.637	5933.000	0.000	702.600	1177.000	1200.000	87.472%	0.463
2	21:30:14	8.820	5861.000	0.000	697.000	1190.000	1185.000	88.226%	0.425
3	21:30:56	9.482	5885.000	0.000	696.500	1146.000	1158.000	89.300%	0.565
x		9.313	5893.000	0.000	698.700	1171.000	1181.000	88.333%	0.485
σ		0.434	36.660	0.000	3.414	22.720	20.940	0.919%	0.072
%RSD		4.658	0.622	0.000	0.489	1.941	1.773	1.040	14.890

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:29:33	0.661	0.334	2.770	11.490	9.142	0.048	0.928	0.416
2	21:30:14	0.839	0.293	2.725	9.968	7.174	0.045	0.937	0.339
3	21:30:56	1.502	0.319	2.527	10.230	7.638	0.033	1.034	0.427
x		1.001	0.315	2.674	10.560	7.985	0.042	0.966	0.394
σ		0.443	0.021	0.129	0.812	1.029	0.008	0.059	0.048
%RSD		44.310	6.586	4.831	7.685	12.890	19.190	6.082	12.100

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:29:33	0.395	4.041	3.409	-0.084	-3.622	-1.958	0.000	10.860
2	21:30:14	0.345	4.231	3.814	-0.868	-2.004	-4.052	0.000	10.620
3	21:30:56	0.400	3.908	3.826	-1.122	-2.778	-4.933	0.000	10.630
x		0.380	4.060	3.683	-0.691	-2.801	-3.648	0.000	10.700
σ		0.030	0.163	0.237	0.541	0.809	1.528	0.000	0.134
%RSD		8.001	4.001	6.440	78.220	28.890	41.900	0.000	1.248

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:29:33	95.988%	0.069	0.082	95.005%	-0.026	-0.032	-0.107	-0.085
2	21:30:14	97.519%	0.094	0.090	96.230%	-0.029	-0.033	-0.088	-0.069
3	21:30:56	98.516%	0.086	0.097	97.393%	-0.022	-0.031	-0.109	-0.070
x		97.341%	0.083	0.090	96.210%	-0.026	-0.032	-0.101	-0.075
σ		1.273%	0.013	0.007	1.194%	0.003	0.001	0.012	0.009
%RSD		1.308	15.250	8.200	1.241	12.630	3.337	11.500	12.060

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:29:33	99.130%	0.042	-0.060	-0.056	7.380	8.039	108.381%	110.103%
2	21:30:14	101.240%	-0.106	0.002	-0.042	7.944	8.051	110.543%	112.292%
3	21:30:56	102.729%	0.370	-0.029	-0.001	8.185	7.869	111.369%	113.023%
x		101.033%	0.102	-0.029	-0.033	7.836	7.986	110.098%	111.806%
σ		1.808%	0.243	0.031	0.028	0.413	0.102	1.543%	1.519%
%RSD		1.790	238.700	106.100	86.110	5.274	1.277	1.402	1.359

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:29:33	0.003	-0.007	0.098	0.063	0.087	121.511%
2	21:30:14	0.004	-0.004	0.079	0.071	0.076	121.842%
3	21:30:56	-0.002	0.000	0.090	0.079	0.093	121.331%
x		0.002	-0.004	0.089	0.071	0.085	121.561%
σ		0.003	0.004	0.010	0.008	0.009	0.259%
%RSD		193.400	99.190	10.680	11.230	9.993	0.213

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:33:48	72.987%	0.055	7.153	7.200	0.000	2132.000	2107.000	2117.000
2	21:34:30	71.699%	0.022	6.529	7.398	0.000	2154.000	2131.000	2111.000
3	21:35:11	70.268%	-0.025	7.518	6.544	0.000	2182.000	2132.000	2136.000
x		71.651%	0.017	7.067	7.047	0.000	2156.000	2123.000	2121.000
σ		1.360%	0.040	0.500	0.447	0.000	24.920	14.250	13.120
%RSD		1.898	233.200	7.079	6.339	0.000	1.156	0.671	0.618

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:33:48	18.600	3887.000	0.000	613.800	7183.000	6827.000	88.437%	0.687
2	21:34:30	17.830	3895.000	0.000	621.300	6924.000	6828.000	87.574%	0.446
3	21:35:11	19.860	3900.000	0.000	621.200	7264.000	6906.000	86.964%	0.300
x		18.760	3894.000	0.000	618.700	7124.000	6854.000	87.658%	0.478
σ		1.027	6.231	0.000	4.316	177.200	45.000	0.740%	0.195
%RSD		5.473	0.160	0.000	0.698	2.488	0.657	0.844	40.920

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:33:48	1.151	0.295	18.220	31.310	54.020	0.089	0.577	0.632
2	21:34:30	1.070	0.296	18.380	31.660	55.360	0.084	0.562	0.698
3	21:35:11	0.832	0.307	18.680	31.300	51.490	0.104	0.616	0.655
x		1.018	0.299	18.430	31.420	53.620	0.092	0.585	0.661
σ		0.166	0.006	0.236	0.208	1.966	0.010	0.028	0.033
%RSD		16.280	2.166	1.279	0.662	3.666	11.190	4.711	5.033

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:33:48	0.727	2.801	3.211	-0.744	-2.712	-4.333	0.000	23.030
2	21:34:30	0.743	2.985	3.353	-0.909	-2.977	-5.129	0.000	22.940
3	21:35:11	0.651	2.815	3.091	-0.447	-2.879	-2.239	0.000	22.750
x		0.707	2.867	3.218	-0.700	-2.856	-3.900	0.000	22.910
σ		0.049	0.102	0.131	0.234	0.134	1.493	0.000	0.142
%RSD		6.978	3.572	4.074	33.450	4.695	38.270	0.000	0.619

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:33:48	95.901%	0.083	0.137	95.247%	-0.038	-0.032	-0.169	-0.073
2	21:34:30	96.786%	0.133	0.118	95.976%	-0.033	-0.039	-0.065	-0.064
3	21:35:11	97.009%	0.074	0.158	96.050%	-0.029	-0.039	-0.083	-0.029
x		96.565%	0.097	0.138	95.757%	-0.033	-0.037	-0.106	-0.055
σ		0.586%	0.032	0.020	0.444%	0.004	0.004	0.056	0.024
%RSD		0.607	32.730	14.430	0.464	13.480	11.570	52.580	42.540

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:33:48	98.057%	0.674	-0.175	-0.167	57.740	56.650	105.321%	106.975%
2	21:34:30	99.477%	0.873	-0.167	-0.179	56.750	57.720	108.160%	109.278%
3	21:35:11	100.613%	0.619	-0.150	-0.165	56.170	56.360	109.068%	110.321%
x		99.382%	0.722	-0.164	-0.170	56.890	56.910	107.516%	108.858%
σ		1.280%	0.133	0.013	0.008	0.795	0.715	1.954%	1.712%
%RSD		1.288	18.450	7.962	4.737	1.398	1.256	1.818	1.573

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:33:48	0.006	0.000	0.396	0.383	0.376	115.109%
2	21:34:30	-0.005	-0.000	0.321	0.368	0.344	116.046%
3	21:35:11	0.000	0.001	0.320	0.340	0.324	115.995%
x		0.001	0.000	0.346	0.364	0.348	115.717%
σ		0.006	0.000	0.044	0.022	0.026	0.527%
%RSD		1105.000	390.400	12.620	6.096	7.506	0.455

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:38:04	69.073%	0.012	5.406	6.023	0.000	2042.000	1972.000	1960.000
2	21:38:46	68.455%	-0.012	5.461	6.225	0.000	2045.000	1966.000	1972.000
3	21:39:27	69.224%	-0.001	5.456	6.446	0.000	2038.000	1961.000	1962.000
x		68.917%	-0.001	5.441	6.232	0.000	2042.000	1967.000	1965.000
σ		0.407%	0.012	0.031	0.212	0.000	3.176	5.328	6.639
%RSD		0.591	2374.000	0.567	3.397	0.000	0.156	0.271	0.338

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:38:04	6.557	3564.000	0.000	580.800	6449.000	6302.000	87.502%	0.198
2	21:38:46	7.304	3589.000	0.000	586.200	6755.000	6310.000	87.019%	0.216
3	21:39:27	6.624	3566.000	0.000	581.600	6527.000	6282.000	87.914%	0.164
x		6.828	3573.000	0.000	582.900	6577.000	6298.000	87.479%	0.193
σ		0.413	13.710	0.000	2.948	159.000	14.520	0.448%	0.027
%RSD		6.054	0.384	0.000	0.506	2.417	0.231	0.512	13.890

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:38:04	0.358	0.390	10.560	10.870	27.320	0.042	0.726	0.747
2	21:38:46	0.272	0.358	10.750	9.388	27.660	0.045	0.719	0.704
3	21:39:27	0.873	0.414	10.640	8.917	27.550	0.052	0.724	0.692
x		0.501	0.387	10.650	9.726	27.510	0.046	0.723	0.714
σ		0.325	0.028	0.095	1.021	0.172	0.005	0.003	0.029
%RSD		64.940	7.250	0.888	10.500	0.624	10.940	0.462	4.012

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:38:04	0.751	4.477	4.407	-0.479	-2.880	-2.417	0.000	21.420
2	21:38:46	0.765	4.350	4.607	-0.283	-2.457	-1.825	0.000	21.170
3	21:39:27	0.749	4.122	4.496	-0.348	-2.792	-2.532	0.000	21.120
x		0.755	4.316	4.503	-0.370	-2.710	-2.258	0.000	21.240
σ		0.009	0.180	0.100	0.100	0.223	0.380	0.000	0.161
%RSD		1.155	4.173	2.227	27.010	8.245	16.810	0.000	0.759

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:38:04	95.953%	0.076	0.139	95.367%	-0.034	-0.047	-0.056	-0.000
2	21:38:46	98.549%	0.103	0.114	96.599%	-0.039	-0.045	-0.179	-0.113
3	21:39:27	98.431%	0.089	0.108	97.010%	-0.041	-0.040	-0.110	-0.091
x		97.645%	0.090	0.120	96.325%	-0.038	-0.044	-0.115	-0.068
σ		1.466%	0.014	0.017	0.855%	0.004	0.004	0.062	0.060
%RSD		1.501	15.100	13.760	0.888	9.311	7.996	53.700	87.880

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:38:04	99.889%	-0.233	0.018	0.009	51.760	51.510	108.107%	109.826%
2	21:38:46	100.848%	0.013	-0.014	-0.028	50.700	51.150	110.761%	112.719%
3	21:39:27	101.222%	0.084	-0.022	-0.046	50.960	51.920	111.212%	113.192%
x		100.653%	-0.045	-0.006	-0.022	51.140	51.530	110.027%	111.913%
σ		0.687%	0.166	0.021	0.028	0.551	0.386	1.678%	1.822%
%RSD		0.683	367.400	366.500	130.600	1.077	0.749	1.525	1.628

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:38:04	-0.001	-0.002	0.179	0.185	0.170	117.708%
2	21:38:46	-0.004	-0.002	0.192	0.147	0.173	118.927%
3	21:39:27	-0.006	-0.004	0.186	0.185	0.182	119.113%
x		-0.004	-0.002	0.186	0.172	0.175	118.583%
σ		0.002	0.001	0.007	0.022	0.006	0.763%
%RSD		63.370	56.610	3.668	12.890	3.663	0.643

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:42:20	72.985%	-0.014	6.463	6.090	0.000	1996.000	1969.000	1970.000
2	21:43:02	71.850%	-0.002	6.130	6.360	0.000	1993.000	1998.000	2012.000
3	21:43:43	70.825%	0.010	5.069	6.259	0.000	2003.000	1981.000	2006.000
x		71.887%	-0.002	5.887	6.236	0.000	1997.000	1983.000	1996.000
σ		1.080%	0.012	0.728	0.137	0.000	5.149	14.470	22.890
%RSD		1.503	685.400	12.370	2.188	0.000	0.258	0.730	1.147

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:42:20	13.340	3506.000	0.000	572.200	6430.000	6160.000	88.646%	0.440
2	21:43:02	14.100	3525.000	0.000	576.200	6526.000	6222.000	87.974%	0.410
3	21:43:43	14.820	3520.000	0.000	577.500	6758.000	6217.000	87.226%	0.614
x		14.090	3517.000	0.000	575.300	6571.000	6200.000	87.949%	0.488
σ		0.740	9.521	0.000	2.770	168.600	34.420	0.710%	0.110
%RSD		5.252	0.271	0.000	0.482	2.565	0.555	0.808	22.540

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:42:20	0.970	0.233	13.760	39.430	58.700	0.099	0.645	1.982
2	21:43:02	0.691	0.229	13.880	38.170	57.270	0.113	0.698	1.961
3	21:43:43	0.516	0.286	13.870	38.670	57.870	0.099	0.671	1.956
x		0.726	0.249	13.830	38.750	57.950	0.104	0.671	1.966
σ		0.229	0.032	0.067	0.632	0.716	0.008	0.027	0.014
%RSD		31.590	12.830	0.485	1.631	1.235	8.018	3.955	0.718

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:42:20	1.949	2.130	2.501	-0.157	-1.871	-2.014	0.000	21.430
2	21:43:02	1.920	2.303	2.401	-0.375	-2.503	-2.777	0.000	21.380
3	21:43:43	2.127	2.398	2.713	0.209	-3.337	-0.645	0.000	21.160
x		1.999	2.277	2.538	-0.108	-2.570	-1.812	0.000	21.320
σ		0.112	0.136	0.159	0.295	0.735	1.080	0.000	0.146
%RSD		5.607	5.968	6.263	273.800	28.600	59.630	0.000	0.684

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:42:20	95.750%	0.083	0.119	95.971%	-0.041	-0.045	-0.042	-0.021
2	21:43:02	97.108%	0.078	0.110	95.975%	-0.036	-0.044	0.043	-0.017
3	21:43:43	97.498%	0.104	0.107	96.594%	-0.041	-0.046	-0.040	-0.038
x		96.785%	0.088	0.112	96.180%	-0.039	-0.045	-0.013	-0.026
σ		0.918%	0.014	0.007	0.358%	0.003	0.001	0.048	0.011
%RSD		0.948	15.950	5.852	0.373	8.401	2.663	369.200	44.970

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:42:20	98.769%	0.695	-0.171	-0.179	46.290	49.350	106.429%	107.821%
2	21:43:02	99.526%	0.879	-0.188	-0.152	47.310	48.170	107.790%	108.899%
3	21:43:43	100.125%	0.528	-0.159	-0.174	47.240	48.830	109.345%	110.853%
x		99.473%	0.701	-0.173	-0.168	46.950	48.790	107.855%	109.191%
σ		0.679%	0.175	0.015	0.014	0.570	0.594	1.459%	1.537%
%RSD		0.683	24.990	8.612	8.508	1.215	1.216	1.353	1.407

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:42:20	0.009	-0.003	0.072	0.055	0.072	115.621%
2	21:43:02	0.001	-0.004	0.064	0.070	0.066	115.503%
3	21:43:43	0.001	-0.002	0.058	0.078	0.069	116.057%
x		0.004	-0.003	0.065	0.067	0.069	115.727%
σ		0.004	0.001	0.007	0.012	0.003	0.292%
%RSD		114.500	39.800	10.830	17.290	3.787	0.252

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:46:36	68.413%	0.024	6.334	6.169	0.000	2193.000	2135.000	2132.000
2	21:47:18	67.605%	0.013	6.075	6.064	0.000	2143.000	2111.000	2109.000
3	21:48:00	68.788%	-0.025	6.495	6.292	0.000	2144.000	2091.000	2070.000
x		68.269%	0.004	6.301	6.175	0.000	2160.000	2112.000	2104.000
σ		0.604%	0.026	0.212	0.114	0.000	28.730	22.220	31.040
%RSD		0.885	633.600	3.360	1.844	0.000	1.330	1.052	1.475

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:46:36	3.406	3751.000	0.000	622.100	6904.000	6552.000	86.595%	0.268
2	21:47:18	3.590	3733.000	0.000	625.000	6838.000	6557.000	86.942%	0.250
3	21:48:00	3.084	3635.000	0.000	617.100	6797.000	6505.000	86.775%	0.184
x		3.360	3706.000	0.000	621.400	6846.000	6538.000	86.771%	0.234
σ		0.256	62.210	0.000	4.017	54.130	28.660	0.173%	0.044
%RSD		7.622	1.678	0.000	0.647	0.791	0.438	0.200	18.990

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:46:36	1.395	0.316	9.828	11.460	31.450	0.101	0.673	0.439
2	21:47:18	1.452	0.351	9.920	8.874	28.600	0.104	0.865	0.424
3	21:48:00	0.576	0.376	9.597	8.816	29.170	0.103	0.833	0.396
x		1.141	0.348	9.782	9.718	29.740	0.103	0.791	0.420
σ		0.490	0.030	0.167	1.512	1.510	0.002	0.103	0.022
%RSD		42.990	8.657	1.703	15.560	5.077	1.768	12.980	5.255

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:46:36	0.483	4.233	4.773	-1.041	-2.125	-3.739	0.000	22.810
2	21:47:18	0.466	4.003	3.912	-0.523	-2.731	-3.067	0.000	22.630
3	21:48:00	0.528	4.486	4.180	-0.128	-2.797	-2.358	0.000	23.050
x		0.492	4.241	4.288	-0.564	-2.551	-3.055	0.000	22.830
σ		0.032	0.242	0.441	0.458	0.370	0.691	0.000	0.214
%RSD		6.429	5.698	10.280	81.100	14.510	22.610	0.000	0.939

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:46:36	96.142%	0.080	0.127	94.612%	-0.041	-0.044	-0.136	-0.106
2	21:47:18	97.602%	0.098	0.063	95.885%	-0.041	-0.029	-0.131	-0.076
3	21:48:00	98.123%	0.104	0.126	95.854%	-0.031	-0.044	-0.130	-0.109
x		97.289%	0.094	0.106	95.451%	-0.038	-0.039	-0.132	-0.097
σ		1.027%	0.013	0.037	0.726%	0.006	0.009	0.003	0.018
%RSD		1.055	13.420	34.680	0.761	15.520	22.770	2.347	18.980

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:46:36	99.308%	-0.275	-0.027	0.005	50.100	50.530	107.756%	109.863%
2	21:47:18	100.624%	-0.299	0.034	0.022	49.400	50.990	110.963%	111.810%
3	21:48:00	101.395%	-0.044	0.027	0.005	49.630	49.970	112.178%	112.781%
x		100.442%	-0.206	0.011	0.011	49.710	50.500	110.299%	111.485%
σ		1.055%	0.141	0.033	0.010	0.355	0.508	2.285%	1.486%
%RSD		1.050	68.370	291.300	94.650	0.715	1.007	2.072	1.333

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:46:36	-0.003	0.000	0.077	0.079	0.085	119.586%
2	21:47:18	0.001	-0.000	0.084	0.073	0.091	119.816%
3	21:48:00	-0.004	-0.004	0.085	0.072	0.088	120.494%
x		-0.002	-0.001	0.082	0.075	0.088	119.965%
σ		0.002	0.002	0.004	0.004	0.003	0.472%
%RSD		117.900	175.900	5.146	5.490	3.142	0.393

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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	21:50:51	70.164%	-0.037	24.150	25.890	0.000	15770.000	8150.000	8180.000
2	21:51:33	69.599%	-0.001	23.180	24.380	0.000	15570.000	8096.000	8184.000
3	21:52:15	69.146%	-0.025	25.320	25.080	0.000	15770.000	8267.000	8225.000
x		69.636%	-0.021	24.220	25.120	0.000	15700.000	8171.000	8197.000
σ		0.510%	0.018	1.071	0.752	0.000	113.400	87.330	24.990
%RSD		0.733	88.500	4.421	2.994	0.000	0.722	1.069	0.305

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:50:51	5.616	1482.000	0.000	2443.000	42030.000	40740.000	85.626%	-0.015
2	21:51:33	5.595	1481.000	0.000	2434.000	41330.000	40800.000	84.713%	0.243
3	21:52:15	5.945	1498.000	0.000	2446.000	41780.000	40960.000	84.297%	-0.031
x		5.719	1487.000	0.000	2441.000	41710.000	40830.000	84.879%	0.066
σ		0.196	9.231	0.000	6.347	350.800	112.300	0.680%	0.153
%RSD		3.434	0.621	0.000	0.260	0.841	0.275	0.801	233.300

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:50:51	0.627	0.185	55.940	87.700	247.100	0.115	0.426	1.142
2	21:51:33	0.593	0.221	56.190	89.010	244.200	0.119	0.327	1.079
3	21:52:15	0.423	0.177	55.880	89.930	239.900	0.110	0.409	1.056
x		0.547	0.194	56.000	88.880	243.700	0.115	0.387	1.092
σ		0.110	0.023	0.168	1.121	3.573	0.005	0.053	0.044
%RSD		20.000	12.060	0.301	1.262	1.466	3.989	13.690	4.063

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:50:51	1.170	13.120	13.140	0.254	-3.419	-2.581	0.000	386.100
2	21:51:33	1.191	13.140	13.680	-0.528	-1.992	-4.079	0.000	392.400
3	21:52:15	1.196	13.680	12.990	-0.574	-2.682	-4.221	0.000	386.900
x		1.186	13.310	13.270	-0.283	-2.698	-3.627	0.000	388.500
σ		0.014	0.317	0.361	0.465	0.714	0.909	0.000	3.456
%RSD		1.150	2.380	2.722	164.500	26.470	25.050	0.000	0.890

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:50:51	93.463%	13.050	13.980	91.480%	-0.036	-0.036	0.065	0.094
2	21:51:33	93.329%	13.770	14.050	91.213%	-0.039	-0.042	0.094	0.086
3	21:52:15	94.275%	13.460	14.060	91.857%	-0.036	-0.037	0.006	-0.002
x		93.689%	13.430	14.030	91.517%	-0.037	-0.039	0.055	0.059
σ		0.512%	0.358	0.045	0.324%	0.001	0.003	0.045	0.053
%RSD		0.546	2.669	0.324	0.354	3.649	8.435	81.510	89.180

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:50:51	95.127%	1.018	5.009	4.938	89.560	90.610	104.714%	106.181%
2	21:51:33	95.232%	0.971	4.948	4.992	88.220	89.090	105.267%	106.959%
3	21:52:15	96.572%	0.713	4.862	4.967	88.510	89.370	106.325%	108.283%
x		95.644%	0.901	4.940	4.966	88.770	89.690	105.436%	107.141%
σ		0.806%	0.165	0.074	0.027	0.703	0.810	0.819%	1.063%
%RSD		0.842	18.260	1.489	0.543	0.791	0.903	0.776	0.992

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:50:51	0.011	0.001	1.243	1.332	1.307	116.574%
2	21:51:33	-0.004	-0.003	1.362	1.326	1.326	116.103%
3	21:52:15	-0.000	-0.000	1.308	1.417	1.347	116.434%
x		0.002	-0.001	1.304	1.358	1.327	116.371%
σ		0.008	0.002	0.060	0.051	0.020	0.242%
%RSD		307.700	320.900	4.573	3.734	1.527	0.208

CCV 586960 10/10/2012 9:57:17 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	21:57:58	73.708%	106.000	93.670	90.580	0.000	52600.000	51000.000	51060.000
2	21:58:40	75.517%	105.700	94.090	91.210	0.000	52240.000	50740.000	50760.000
3	21:59:22	75.939%	104.800	93.700	91.800	0.000	52090.000	50500.000	50830.000
x		75.055%	105.479%	93.819%	91.194%	0.000	104.621%	101.490%	101.761%
σ		1.185%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.579	0.566	0.255	0.671	0.000	0.500	0.491	0.306

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:58	497.700	5287.000	0.000	49600.000	47630.000	48800.000	92.657%	95.950
2	21:58:40	498.100	5303.000	0.000	49780.000	48690.000	48900.000	93.753%	97.820
3	21:59:22	496.300	4973.000	0.000	49240.000	47900.000	48490.000	94.861%	97.610
x		99.479%	103.759%	0.000	99.077%	96.139%	97.461%	93.757%	97.130%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.102%	n/a
%RSD		0.191	3.584	0.000	0.555	1.147	0.444	1.175	1.057

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:58	96.380	98.430	491.500	25450.000	25220.000	98.550	98.170	95.940
2	21:58:40	95.790	98.590	490.200	25340.000	25180.000	98.930	99.600	96.190
3	21:59:22	97.020	98.250	489.800	25280.000	25240.000	99.370	98.170	97.010
x		96.395%	98.428%	98.102%	101.416%	100.855%	98.948%	98.644%	96.380%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.643	0.173	0.182	0.339	0.127	0.415	0.838	0.578

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:58	99.040	104.400	100.300	97.820	93.370	94.600	0.000	94.340
2	21:58:40	97.740	104.000	102.600	97.470	96.210	96.660	0.000	94.590
3	21:59:22	97.960	104.000	103.100	97.410	97.220	100.100	0.000	95.010
x		98.245%	104.111%	101.996%	97.567%	95.600%	97.128%	0.000	94.645%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.707	0.214	1.482	0.228	2.086	2.872	0.000	0.358

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:58	97.439%	94.640	97.460	95.030%	97.440	96.520	99.210	96.570
2	21:58:40	98.498%	97.800	101.300	95.833%	98.090	96.980	99.570	97.390
3	21:59:22	98.590%	98.960	103.400	96.509%	97.300	96.600	97.590	97.020
x		98.175%	97.134%	100.705%	95.791%	97.609%	96.699%	98.791%	96.995%
σ		0.640%	n/a	n/a	0.740%	n/a	n/a	n/a	n/a
%RSD		0.651	2.303	2.980	0.773	0.431	0.256	1.066	0.421

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:58	98.281%	95.680	97.660	98.190	93.600	93.420	104.602%	106.113%
2	21:58:40	98.944%	98.340	97.990	98.160	93.820	95.160	105.664%	107.728%
3	21:59:22	99.977%	97.080	97.120	96.930	94.280	93.420	104.378%	106.436%
x		99.067%	97.034%	97.587%	97.759%	93.900%	94.001%	104.882%	106.759%
σ		0.854%	n/a	n/a	n/a	n/a	n/a	0.687%	0.854%
%RSD		0.862	1.372	0.451	0.731	0.371	1.071	0.655	0.800

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:58	99.090	98.610	99.070	99.200	99.040	113.739%
2	21:58:40	99.420	99.780	99.770	100.300	100.100	113.154%
3	21:59:22	99.910	100.100	101.000	101.000	101.300	111.801%
x		99.472%	99.505%	99.959%	100.179%	100.142%	112.898%
σ		n/a	n/a	n/a	n/a	n/a	0.994%
%RSD		0.413	0.793	0.997	0.917	1.135	0.881

CCB7 10/10/2012 10:04:27 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	22:05:08	86.099%	0.031	0.917	1.039	0.000	36.410	18.010	17.060
2	22:05:50	86.415%	0.021	0.487	0.930	0.000	30.990	14.230	14.090
3	22:06:31	87.545%	0.011	0.312	0.772	0.000	23.670	7.440	7.891
x		86.686%	0.021	0.572	0.914	0.000	30.360	13.230	13.010
σ		0.760%	0.010	0.312	0.134	0.000	6.392	5.357	4.676
%RSD		0.877	47.830	54.500	14.710	0.000	21.060	40.500	35.940

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:08	8.794	0.636	0.000	14.640	26.030	23.760	105.493%	-0.006
2	22:05:50	8.384	1.019	0.000	11.010	20.430	20.700	106.456%	-0.034
3	22:06:31	8.382	-0.515	0.000	4.713	25.520	9.632	107.129%	-0.008
x		8.520	0.380	0.000	10.120	23.990	18.030	106.359%	-0.016
σ		0.237	0.798	0.000	5.021	3.096	7.432	0.822%	0.016
%RSD		2.786	209.900	0.000	49.620	12.900	41.220	0.773	100.200

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:08	0.085	0.096	0.273	6.541	11.090	0.043	0.041	0.202
2	22:05:50	0.079	0.051	0.230	2.100	7.483	0.038	0.060	0.177
3	22:06:31	0.021	0.033	0.194	-1.952	3.599	0.016	0.077	0.098
x		0.062	0.060	0.232	2.230	7.391	0.033	0.060	0.159
σ		0.035	0.033	0.040	4.248	3.747	0.014	0.018	0.054
%RSD		57.100	54.620	17.100	190.500	50.690	44.070	30.320	34.030

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:08	0.173	2.474	2.388	-0.524	-2.343	-1.946	0.000	0.133
2	22:05:50	0.203	2.387	2.330	-0.405	-2.366	-1.364	0.000	0.106
3	22:06:31	0.081	2.232	2.064	-0.540	-2.578	-2.002	0.000	0.049
x		0.153	2.365	2.261	-0.489	-2.429	-1.771	0.000	0.096
σ		0.063	0.123	0.173	0.074	0.129	0.353	0.000	0.043
%RSD		41.600	5.186	7.651	15.120	5.323	19.930	0.000	44.980

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:08	100.675%	0.385	0.409	100.490%	-0.003	-0.011	-0.005	0.046
2	22:05:50	102.924%	0.330	0.380	102.362%	-0.015	-0.009	-0.003	-0.008
3	22:06:31	102.830%	0.284	0.332	102.552%	-0.015	-0.030	-0.092	-0.022
x		102.143%	0.333	0.373	101.801%	-0.011	-0.017	-0.033	0.006
σ		1.272%	0.050	0.039	1.139%	0.007	0.011	0.051	0.036
%RSD		1.246	15.120	10.440	1.119	62.710	67.870	152.700	624.600

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:08	101.644%	-1.203	-0.119	-0.144	0.118	0.108	105.940%	108.082%
2	22:05:50	104.186%	-1.093	-0.140	-0.144	0.045	0.056	109.584%	110.748%
3	22:06:31	105.373%	-1.323	-0.157	-0.175	0.037	0.023	110.504%	112.026%
x		103.734%	-1.206	-0.139	-0.154	0.067	0.062	108.676%	110.285%
σ		1.905%	0.115	0.019	0.018	0.045	0.043	2.414%	2.012%
%RSD		1.837	9.512	13.650	11.550	67.000	68.290	2.221	1.825

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:08	0.039	0.051	0.054	0.045	0.055	117.214%
2	22:05:50	0.050	0.036	0.023	0.058	0.039	119.590%
3	22:06:31	0.032	0.023	0.028	0.024	0.028	121.081%
x		0.040	0.037	0.035	0.042	0.041	119.295%
σ		0.009	0.014	0.016	0.018	0.013	1.950%
%RSD		22.640	38.430	46.590	41.450	32.690	1.635

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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	22:09:25	81.929%	-0.006	6.630	6.107	0.000	3082.000	1610.000	1618.000
2	22:10:06	79.962%	-0.005	4.745	5.583	0.000	3122.000	1629.000	1619.000
3	22:10:48	77.728%	-0.004	5.131	5.269	0.000	3149.000	1627.000	1631.000
x		79.873%	-0.005	5.502	5.653	0.000	3118.000	1622.000	1623.000
σ		2.102%	0.001	0.996	0.424	0.000	33.790	10.580	7.206
%RSD		2.632	14.990	18.100	7.491	0.000	1.084	0.653	0.444

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:25	0.944	294.700	0.000	484.000	8538.000	7936.000	94.789%	0.037
2	22:10:06	1.027	295.700	0.000	492.000	8355.000	7992.000	93.481%	-0.008
3	22:10:48	1.186	292.800	0.000	486.700	8433.000	7882.000	93.298%	-0.039
x		1.053	294.400	0.000	487.600	8442.000	7937.000	93.856%	-0.003
σ		0.123	1.497	0.000	4.068	91.900	55.180	0.814%	0.038
%RSD		11.680	0.509	0.000	0.834	1.089	0.695	0.867	1182.000

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:25	0.075	0.069	11.070	21.970	54.340	0.023	0.069	0.293
2	22:10:06	0.201	0.089	11.020	21.830	59.020	0.018	0.073	0.234
3	22:10:48	0.097	0.000	11.010	20.110	49.370	0.028	0.089	0.230
x		0.124	0.053	11.030	21.300	54.240	0.023	0.077	0.252
σ		0.068	0.046	0.035	1.035	4.828	0.005	0.010	0.035
%RSD		54.300	88.190	0.316	4.861	8.900	22.400	13.550	13.980

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:25	0.244	2.699	2.614	0.185	-1.148	0.655	0.000	77.150
2	22:10:06	0.161	2.740	2.327	-0.288	-1.889	-2.300	0.000	76.270
3	22:10:48	0.281	2.794	2.803	0.058	-1.193	-0.688	0.000	76.600
x		0.228	2.744	2.581	-0.015	-1.410	-0.778	0.000	76.670
σ		0.061	0.048	0.240	0.245	0.416	1.479	0.000	0.442
%RSD		26.800	1.733	9.294	1629.000	29.480	190.200	0.000	0.576

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:25	98.229%	2.985	3.057	98.760%	-0.027	-0.036	0.002	-0.008
2	22:10:06	99.441%	2.902	2.933	99.358%	-0.026	-0.037	-0.022	-0.054
3	22:10:48	98.935%	2.930	2.948	98.955%	-0.030	-0.035	0.037	0.062
x		98.869%	2.939	2.979	99.024%	-0.028	-0.036	0.005	-0.000
σ		0.609%	0.042	0.068	0.305%	0.002	0.001	0.030	0.059
%RSD		0.616	1.437	2.267	0.308	8.354	3.328	545.900	27560.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:25	99.105%	1.144	0.858	0.806	18.040	18.020	103.871%	105.019%
2	22:10:06	100.897%	0.635	0.845	0.788	18.050	17.900	104.640%	107.464%
3	22:10:48	100.464%	0.567	0.868	0.768	17.340	17.760	105.890%	107.033%
x		100.155%	0.782	0.857	0.787	17.810	17.890	104.800%	106.505%
σ		0.935%	0.315	0.012	0.019	0.407	0.132	1.019%	1.305%
%RSD		0.933	40.320	1.360	2.437	2.283	0.739	0.973	1.225

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:25	0.014	0.009	0.255	0.271	0.268	121.133%
2	22:10:06	0.015	0.012	0.298	0.281	0.292	118.907%
3	22:10:48	0.004	0.011	0.228	0.254	0.262	119.086%
x		0.011	0.011	0.260	0.269	0.274	119.709%
σ		0.006	0.001	0.036	0.013	0.016	1.237%
%RSD		52.330	10.610	13.660	4.975	5.775	1.033

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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	22:13:39	69.976%	53.320	929.400	907.100	0.000	70510.000	60370.000	60620.000
2	22:14:20	68.640%	53.220	919.900	909.200	0.000	71510.000	60950.000	60560.000
3	22:15:02	67.673%	51.780	899.900	907.200	0.000	71660.000	60430.000	60450.000
x		68.763%	52.780	916.400	907.800	0.000	71230.000	60580.000	60540.000
σ		1.157%	0.864	15.100	1.169	0.000	625.000	317.200	86.330
%RSD		1.682	1.637	1.647	0.129	0.000	0.878	0.524	0.143

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:13:39	2081.000	11290.000	0.000	54050.000	96330.000	97200.000	85.981%	1011.000
2	22:14:20	2076.000	11160.000	0.000	54440.000	96290.000	97720.000	84.993%	1015.000
3	22:15:02	2074.000	11110.000	0.000	54220.000	95480.000	97930.000	85.140%	1020.000
x		2077.000	11190.000	0.000	54240.000	96030.000	97620.000	85.371%	1015.000
σ		3.661	89.980	0.000	197.000	484.200	374.400	0.533%	4.785
%RSD		0.176	0.804	0.000	0.363	0.504	0.384	0.624	0.471

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:13:39	523.400	207.000	583.000	1322.000	1634.000	527.900	514.000	248.700
2	22:14:20	530.600	210.500	593.800	1372.000	1640.000	533.100	517.100	249.500
3	22:15:02	526.500	209.200	589.800	1376.000	1652.000	535.800	516.400	250.100
x		526.800	208.900	588.900	1356.000	1642.000	532.300	515.900	249.500
σ		3.612	1.754	5.448	30.120	9.353	4.033	1.605	0.695
%RSD		0.686	0.840	0.925	2.221	0.570	0.758	0.311	0.279

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:13:39	255.800	560.200	555.500	41.430	7.703	10.240	0.000	1427.000
2	22:14:20	257.000	562.300	554.200	40.520	8.519	10.380	0.000	1416.000
3	22:15:02	260.900	564.300	562.000	40.940	4.925	7.722	0.000	1430.000
x		257.900	562.300	557.200	40.970	7.049	9.447	0.000	1424.000
σ		2.649	2.011	4.161	0.459	1.884	1.496	0.000	7.460
%RSD		1.027	0.358	0.747	1.121	26.730	15.840	0.000	0.524

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:13:39	93.088%	1021.000	1083.000	88.615%	52.050	50.970	52.770	45.450
2	22:14:20	93.543%	1041.000	1102.000	89.264%	52.290	50.750	52.820	45.700
3	22:15:02	93.431%	1059.000	1121.000	89.310%	52.170	50.300	52.640	44.560
x		93.354%	1040.000	1102.000	89.063%	52.170	50.670	52.740	45.240
σ		0.237%	19.180	19.310	0.388%	0.116	0.338	0.094	0.598
%RSD		0.254	1.844	1.752	0.436	0.222	0.666	0.178	1.322

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:13:39	93.046%	2168.000	529.700	532.400	2056.000	2101.000	102.371%	105.869%
2	22:14:20	94.222%	2171.000	532.800	537.100	2054.000	2099.000	105.318%	107.297%
3	22:15:02	95.618%	2149.000	528.300	529.600	2036.000	2086.000	106.634%	108.656%
x		94.295%	2163.000	530.300	533.000	2049.000	2095.000	104.774%	107.274%
σ		1.288%	12.100	2.285	3.768	11.210	8.128	2.183%	1.394%
%RSD		1.365	0.559	0.431	0.707	0.547	0.388	2.083	1.299

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:13:39	49.850	49.230	21.320	21.050	21.170	119.407%
2	22:14:20	52.320	52.020	22.190	22.140	22.240	116.159%
3	22:15:02	52.280	52.050	22.500	22.710	22.540	115.843%
x		51.490	51.100	22.000	21.960	21.980	117.136%
σ		1.416	1.622	0.611	0.844	0.719	1.973%
%RSD		2.750	3.174	2.776	3.843	3.273	1.684

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:17:53	71.984%	53.080	948.000	935.400	0.000	69960.000	59730.000	59620.000
2	22:18:35	70.737%	52.160	975.800	945.300	0.000	70350.000	60530.000	60120.000
3	22:19:16	70.625%	51.190	961.400	942.500	0.000	69910.000	59720.000	59550.000
x		71.116%	52.140	961.700	941.000	0.000	70070.000	59990.000	59770.000
σ		0.755%	0.941	13.880	5.080	0.000	242.700	466.700	312.500
%RSD		1.061	1.805	1.444	0.540	0.000	0.346	0.778	0.523

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:17:53	2057.000	11150.000	0.000	53600.000	95590.000	96270.000	86.716%	1008.000
2	22:18:35	2073.000	11200.000	0.000	53780.000	95920.000	96970.000	86.745%	1014.000
3	22:19:16	2042.000	11080.000	0.000	53460.000	94740.000	95490.000	86.452%	1016.000
x		2057.000	11150.000	0.000	53610.000	95420.000	96240.000	86.638%	1013.000
σ		15.510	61.320	0.000	159.500	608.500	739.800	0.161%	4.270
%RSD		0.754	0.550	0.000	0.297	0.638	0.769	0.186	0.422

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:17:53	523.100	205.800	577.200	1327.000	1620.000	523.900	512.300	248.800
2	22:18:35	518.900	207.200	578.300	1291.000	1615.000	522.900	511.000	248.800
3	22:19:16	520.200	206.700	577.200	1292.000	1612.000	525.900	512.000	248.700
x		520.700	206.600	577.500	1303.000	1616.000	524.200	511.800	248.800
σ		2.153	0.700	0.630	20.420	4.119	1.530	0.709	0.074
%RSD		0.414	0.339	0.109	1.567	0.255	0.292	0.139	0.030

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:17:53	256.100	549.800	547.700	40.200	7.497	7.154	0.000	1418.000
2	22:18:35	255.700	547.600	544.300	40.130	7.426	7.830	0.000	1403.000
3	22:19:16	254.200	552.700	550.000	40.110	8.580	9.385	0.000	1425.000
x		255.300	550.100	547.300	40.140	7.834	8.123	0.000	1415.000
σ		0.991	2.572	2.828	0.045	0.647	1.144	0.000	11.620
%RSD		0.388	0.468	0.517	0.113	8.256	14.080	0.000	0.821

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:17:53	93.056%	1040.000	1086.000	89.513%	51.350	50.720	52.900	45.050
2	22:18:35	93.287%	1044.000	1106.000	89.638%	50.900	50.450	52.070	45.180
3	22:19:16	92.219%	1060.000	1120.000	89.062%	51.470	50.890	51.000	45.070
x		92.854%	1048.000	1104.000	89.404%	51.240	50.680	51.990	45.100
σ		0.562%	11.030	17.120	0.303%	0.297	0.220	0.951	0.069
%RSD		0.605	1.052	1.551	0.339	0.579	0.434	1.829	0.153

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:17:53	93.315%	2147.000	527.300	526.200	2032.000	2072.000	103.048%	104.648%
2	22:18:35	93.631%	2156.000	529.300	532.000	2044.000	2092.000	102.275%	104.982%
3	22:19:16	93.263%	2152.000	530.800	532.000	2047.000	2081.000	102.154%	105.223%
x		93.403%	2152.000	529.100	530.100	2041.000	2082.000	102.492%	104.951%
σ		0.199%	4.413	1.747	3.327	8.360	10.130	0.485%	0.289%
%RSD		0.213	0.205	0.330	0.628	0.410	0.487	0.473	0.275

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:17:53	51.060	50.690	21.910	21.970	21.880	114.335%
2	22:18:35	52.780	52.460	22.500	22.940	22.670	111.199%
3	22:19:16	53.360	53.120	22.900	22.840	22.910	109.976%
x		52.400	52.090	22.440	22.580	22.490	111.837%
σ		1.197	1.255	0.495	0.536	0.537	2.248%
%RSD		2.284	2.408	2.204	2.373	2.388	2.011

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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	22:22:07	69.793%	-0.001	31.200	27.250	0.000	4539.000	8156.000	8195.000
2	22:22:49	68.934%	-0.037	21.590	24.440	0.000	4514.000	8139.000	8149.000
3	22:23:30	67.647%	0.037	20.920	24.700	0.000	4456.000	8076.000	8092.000
x		68.792%	-0.000	24.570	25.470	0.000	4503.000	8124.000	8145.000
σ		1.080%	0.037	5.754	1.552	0.000	42.790	42.230	51.530
%RSD		1.570	28970.000	23.420	6.095	0.000	0.950	0.520	0.633

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:07	4.809	4601.000	0.000	1073.000	20500.000	19920.000	86.010%	1.805
2	22:22:49	3.746	4569.000	0.000	1078.000	20790.000	20120.000	85.227%	1.124
3	22:23:30	3.942	4567.000	0.000	1073.000	20670.000	20070.000	84.910%	1.026
x		4.166	4579.000	0.000	1075.000	20650.000	20040.000	85.382%	1.318
σ		0.566	19.240	0.000	2.727	147.600	102.900	0.566%	0.424
%RSD		13.580	0.420	0.000	0.254	0.715	0.514	0.663	32.190

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:07	0.740	0.523	1.117	254.500	320.700	0.228	0.546	7.196
2	22:22:49	0.232	0.490	1.034	249.300	319.300	0.185	0.484	7.501
3	22:23:30	0.645	0.554	1.060	247.800	318.200	0.208	0.515	7.257
x		0.539	0.522	1.071	250.500	319.400	0.207	0.515	7.318
σ		0.270	0.032	0.043	3.486	1.270	0.022	0.031	0.161
%RSD		50.150	6.159	3.976	1.391	0.398	10.450	6.106	2.201

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:07	7.762	17.340	17.380	-0.549	-2.022	-2.953	0.000	64.130
2	22:22:49	7.391	17.830	17.340	-0.044	-3.215	-1.560	0.000	63.560
3	22:23:30	7.388	18.090	17.400	0.216	-2.797	-1.082	0.000	63.490
x		7.514	17.750	17.370	-0.126	-2.678	-1.865	0.000	63.730
σ		0.215	0.378	0.029	0.389	0.605	0.972	0.000	0.353
%RSD		2.864	2.126	0.169	308.800	22.610	52.130	0.000	0.554

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:07	93.169%	17.770	18.290	91.772%	-0.023	-0.013	0.019	0.059
2	22:22:49	94.414%	9.331	9.647	92.768%	-0.013	-0.008	0.080	0.041
3	22:23:30	95.076%	5.683	6.273	92.469%	-0.021	-0.011	-0.048	-0.033
x		94.220%	10.930	11.400	92.336%	-0.019	-0.011	0.017	0.022
σ		0.968%	6.199	6.197	0.511%	0.005	0.002	0.064	0.049
%RSD		1.028	56.730	54.350	0.554	28.770	20.760	378.000	216.800

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:07	95.515%	6.174	1.315	1.389	32.850	33.570	103.506%	104.666%
2	22:22:49	97.103%	3.261	0.967	0.870	33.680	34.600	104.888%	107.345%
3	22:23:30	97.389%	2.798	0.715	0.763	33.620	33.910	106.126%	108.470%
x		96.669%	4.077	0.999	1.007	33.380	34.030	104.840%	106.827%
σ		1.010%	1.830	0.301	0.335	0.464	0.527	1.310%	1.955%
%RSD		1.045	44.880	30.160	33.210	1.391	1.550	1.250	1.830

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:22:07	0.208	0.195	1.358	1.353	1.341	113.424%
2	22:22:49	0.155	0.133	1.384	1.391	1.363	114.295%
3	22:23:30	0.117	0.102	1.338	1.398	1.372	114.879%
x		0.160	0.143	1.360	1.381	1.359	114.199%
σ		0.045	0.047	0.023	0.024	0.016	0.732%
%RSD		28.330	33.110	1.674	1.743	1.167	0.641

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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	22:26:22	75.043%	0.019	10.340	10.180	0.000	897.600	1609.000	1603.000
2	22:27:04	75.375%	-0.015	8.418	8.519	0.000	883.700	1600.000	1586.000
3	22:27:45	75.260%	0.019	8.071	8.611	0.000	902.100	1619.000	1600.000
x		75.226%	0.008	8.944	9.105	0.000	894.500	1609.000	1596.000
σ		0.168%	0.019	1.224	0.936	0.000	9.583	9.224	8.819
%RSD		0.224	249.600	13.680	10.280	0.000	1.071	0.573	0.552

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:26:22	0.599	887.000	0.000	209.000	4213.000	3866.000	91.018%	0.298
2	22:27:04	0.692	875.300	0.000	213.600	4019.000	3894.000	90.690%	0.251
3	22:27:45	0.924	879.500	0.000	214.100	3995.000	3926.000	90.162%	0.479
x		0.738	880.600	0.000	212.300	4076.000	3895.000	90.623%	0.343
σ		0.167	5.935	0.000	2.798	119.700	29.850	0.432%	0.120
%RSD		22.660	0.674	0.000	1.318	2.936	0.766	0.476	35.010

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:26:22	0.229	0.174	0.319	49.800	60.320	0.085	0.167	1.488
2	22:27:04	0.196	0.105	0.294	47.620	63.460	0.097	0.177	1.517
3	22:27:45	0.506	0.117	0.364	48.820	63.730	0.104	0.195	1.622
x		0.311	0.132	0.326	48.750	62.500	0.095	0.180	1.542
σ		0.170	0.037	0.036	1.093	1.896	0.010	0.014	0.071
%RSD		54.840	28.000	10.970	2.242	3.034	10.380	7.800	4.583

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:26:22	1.638	3.446	3.600	-0.354	-2.683	-2.450	0.000	12.930
2	22:27:04	1.662	3.521	3.699	-1.021	-1.995	-5.261	0.000	12.840
3	22:27:45	1.567	3.330	3.445	-0.835	-1.800	-3.809	0.000	12.830
x		1.622	3.432	3.581	-0.737	-2.159	-3.840	0.000	12.870
σ		0.050	0.096	0.128	0.344	0.464	1.406	0.000	0.056
%RSD		3.060	2.793	3.561	46.740	21.470	36.610	0.000	0.436

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:26:22	96.598%	2.546	2.499	96.324%	-0.030	-0.039	-0.093	-0.056
2	22:27:04	97.215%	2.170	2.160	96.926%	-0.025	-0.029	0.001	-0.014
3	22:27:45	97.357%	1.923	1.896	97.647%	-0.028	-0.025	-0.084	-0.079
x		97.057%	2.213	2.185	96.966%	-0.028	-0.031	-0.059	-0.050
σ		0.403%	0.314	0.302	0.663%	0.002	0.007	0.052	0.033
%RSD		0.416	14.180	13.820	0.683	7.991	23.550	87.760	66.950

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:26:22	98.754%	1.708	0.286	0.297	6.677	6.631	104.794%	105.861%
2	22:27:04	99.528%	1.923	0.244	0.209	6.975	6.952	105.488%	107.395%
3	22:27:45	99.369%	1.804	0.196	0.210	7.189	7.232	105.046%	106.742%
x		99.217%	1.812	0.242	0.239	6.947	6.938	105.109%	106.666%
σ		0.409%	0.108	0.045	0.051	0.257	0.301	0.351%	0.770%
%RSD		0.412	5.949	18.710	21.240	3.704	4.332	0.334	0.722

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:26:22	0.055	0.049	0.298	0.323	0.289	119.708%
2	22:27:04	0.041	0.049	0.293	0.267	0.270	119.903%
3	22:27:45	0.034	0.051	0.304	0.307	0.303	119.507%
x		0.043	0.050	0.298	0.299	0.287	119.706%
σ		0.011	0.001	0.006	0.029	0.017	0.198%
%RSD		25.060	2.587	1.899	9.629	5.787	0.165

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:37	70.254%	48.220	876.900	865.100	0.000	53950.000	55280.000	55610.000
2	22:31:19	68.201%	47.890	876.300	849.400	0.000	54780.000	55990.000	56130.000
3	22:32:01	67.094%	49.430	849.700	839.400	0.000	54790.000	56210.000	56130.000
x		68.516%	48.510	867.600	851.300	0.000	54510.000	55830.000	55960.000
σ		1.604%	0.809	15.550	12.960	0.000	484.900	487.700	301.500
%RSD		2.341	1.667	1.793	1.522	0.000	0.890	0.874	0.539

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:37	1878.000	13110.000	0.000	48390.000	66000.000	67210.000	86.371%	939.100
2	22:31:19	1941.000	13160.000	0.000	48830.000	67670.000	68000.000	85.418%	955.700
3	22:32:01	1939.000	13170.000	0.000	49350.000	67470.000	68190.000	84.520%	948.600
x		1919.000	13150.000	0.000	48850.000	67050.000	67800.000	85.436%	947.800
σ		35.970	34.160	0.000	484.400	910.400	520.300	0.926%	8.355
%RSD		1.874	0.260	0.000	0.991	1.358	0.767	1.084	0.882

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:37	482.700	191.600	479.900	1017.000	1233.000	487.500	476.400	238.000
2	22:31:19	488.400	194.400	483.800	1029.000	1225.000	488.300	476.700	235.700
3	22:32:01	491.200	195.100	489.600	1042.000	1236.000	496.100	480.800	237.900
x		487.400	193.700	484.500	1029.000	1231.000	490.600	478.000	237.200
σ		4.351	1.853	4.904	12.330	5.452	4.753	2.453	1.314
%RSD		0.893	0.956	1.012	1.198	0.443	0.969	0.513	0.554

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:37	244.300	519.900	510.700	36.630	5.416	8.477	0.000	1014.000
2	22:31:19	244.100	522.200	518.200	36.300	6.080	7.922	0.000	981.900
3	22:32:01	246.500	528.000	522.900	37.070	5.194	8.593	0.000	1015.000
x		245.000	523.400	517.300	36.670	5.563	8.331	0.000	1003.000
σ		1.316	4.175	6.172	0.387	0.461	0.359	0.000	18.730
%RSD		0.537	0.798	1.193	1.055	8.285	4.307	0.000	1.867

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:37	92.067%	940.600	984.900	89.050%	47.790	47.480	49.370	43.770
2	22:31:19	93.559%	954.500	1008.000	89.395%	47.990	46.700	48.810	43.030
3	22:32:01	92.950%	966.800	1016.000	89.431%	48.320	46.580	48.010	42.090
x		92.859%	954.000	1003.000	89.292%	48.030	46.920	48.730	42.960
σ		0.750%	13.060	16.290	0.210%	0.266	0.487	0.681	0.840
%RSD		0.808	1.369	1.624	0.235	0.553	1.037	1.398	1.956

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:37	92.432%	2000.000	487.100	490.300	1837.000	1885.000	101.681%	103.734%
2	22:31:19	94.072%	1992.000	485.600	488.300	1836.000	1880.000	103.999%	106.707%
3	22:32:01	94.545%	1997.000	487.500	490.000	1823.000	1874.000	106.116%	107.202%
x		93.683%	1996.000	486.700	489.600	1832.000	1880.000	103.932%	105.881%
σ		1.109%	3.653	1.002	1.070	8.152	5.506	2.218%	1.876%
%RSD		1.184	0.183	0.206	0.219	0.445	0.293	2.134	1.772

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:30:37	47.070	46.470	20.070	20.150	20.060	115.749%
2	22:31:19	48.310	47.890	20.770	21.060	20.760	114.206%
3	22:32:01	48.840	48.810	21.370	21.040	21.320	113.439%
x		48.070	47.730	20.740	20.750	20.710	114.464%
σ		0.910	1.175	0.649	0.518	0.633	1.177%
%RSD		1.893	2.463	3.129	2.496	3.056	1.028

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:34:53	70.153%	48.020	871.200	846.000	0.000	53610.000	54780.000	54680.000
2	22:35:34	70.741%	47.670	869.700	859.700	0.000	53360.000	54870.000	54930.000
3	22:36:16	70.759%	48.940	874.700	864.100	0.000	53450.000	55070.000	54550.000
x		70.551%	48.210	871.900	856.600	0.000	53470.000	54910.000	54720.000
σ		0.345%	0.655	2.578	9.440	0.000	129.600	151.900	192.100
%RSD		0.489	1.358	0.296	1.102	0.000	0.242	0.277	0.351

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:34:53	1889.000	12910.000	0.000	48070.000	65100.000	66270.000	86.747%	926.100
2	22:35:34	1901.000	12960.000	0.000	47800.000	65580.000	66890.000	86.797%	946.000
3	22:36:16	1886.000	12870.000	0.000	47880.000	66170.000	66480.000	86.464%	931.000
x		1892.000	12910.000	0.000	47920.000	65620.000	66550.000	86.669%	934.400
σ		7.768	47.570	0.000	139.000	538.000	313.600	0.180%	10.370
%RSD		0.411	0.368	0.000	0.290	0.820	0.471	0.208	1.110

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:34:53	478.200	191.400	479.000	1018.000	1220.000	485.600	475.400	238.900
2	22:35:34	480.500	191.900	478.800	1014.000	1226.000	487.400	471.200	237.200
3	22:36:16	484.300	192.800	479.800	1016.000	1226.000	486.300	474.400	239.800
x		481.000	192.000	479.200	1016.000	1224.000	486.400	473.700	238.600
σ		3.068	0.698	0.564	2.251	3.430	0.872	2.217	1.309
%RSD		0.638	0.364	0.118	0.222	0.280	0.179	0.468	0.549

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:34:53	245.900	525.500	522.700	38.390	8.163	8.095	0.000	1036.000
2	22:35:34	244.600	521.800	521.800	37.330	7.724	7.998	0.000	1024.000
3	22:36:16	246.200	518.700	517.600	37.580	6.367	9.311	0.000	1013.000
x		245.600	522.000	520.700	37.770	7.418	8.468	0.000	1025.000
σ		0.820	3.414	2.721	0.553	0.936	0.732	0.000	11.350
%RSD		0.334	0.654	0.523	1.464	12.620	8.640	0.000	1.107

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:34:53	89.667%	960.000	1000.000	89.958%	47.680	46.950	49.390	42.080
2	22:35:34	90.837%	964.300	1008.000	90.492%	47.350	46.360	49.000	41.790
3	22:36:16	89.976%	976.900	1019.000	90.324%	47.100	46.080	47.850	41.180
x		90.160%	967.100	1009.000	90.258%	47.380	46.460	48.750	41.680
σ		0.606%	8.800	9.388	0.273%	0.290	0.446	0.803	0.459
%RSD		0.673	0.910	0.930	0.302	0.612	0.959	1.648	1.102

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:34:53	94.115%	1969.000	478.800	480.900	1799.000	1842.000	103.872%	105.729%
2	22:35:34	94.904%	1963.000	477.500	479.900	1800.000	1848.000	104.400%	106.205%
3	22:36:16	93.736%	1982.000	480.900	486.100	1820.000	1865.000	103.165%	106.081%
x		94.252%	1971.000	479.100	482.300	1806.000	1852.000	103.812%	106.005%
σ		0.596%	9.406	1.733	3.317	11.450	12.130	0.619%	0.247%
%RSD		0.633	0.477	0.362	0.688	0.634	0.655	0.597	0.233

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:34:53	47.630	47.210	20.840	20.210	20.450	114.586%
2	22:35:34	48.790	48.440	20.910	21.040	20.890	112.076%
3	22:36:16	48.970	48.840	20.950	21.120	21.030	110.958%
x		48.470	48.170	20.900	20.790	20.790	112.540%
σ		0.727	0.848	0.060	0.504	0.302	1.858%
%RSD		1.500	1.760	0.287	2.426	1.454	1.651

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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	22:39:09	71.493%	-0.002	68.470	64.960	0.000	13410.000	14510.000	14390.000
2	22:39:50	71.323%	0.034	60.090	60.140	0.000	13390.000	14390.000	14530.000
3	22:40:32	69.074%	0.060	62.780	59.110	0.000	13580.000	14600.000	14420.000
x		70.630%	0.031	63.780	61.400	0.000	13460.000	14500.000	14450.000
σ		1.350%	0.031	4.276	3.124	0.000	105.300	106.400	73.900
%RSD		1.912	101.000	6.704	5.088	0.000	0.783	0.734	0.511

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:39:09	1.704	6226.000	0.000	1479.000	36590.000	35580.000	86.964%	2.219
2	22:39:50	2.215	6157.000	0.000	1510.000	37560.000	36250.000	85.883%	1.941
3	22:40:32	2.363	6208.000	0.000	1522.000	36920.000	35960.000	85.744%	1.607
x		2.094	6197.000	0.000	1504.000	37020.000	35930.000	86.197%	1.922
σ		0.346	35.950	0.000	21.890	490.100	336.200	0.668%	0.306
%RSD		16.500	0.580	0.000	1.456	1.324	0.936	0.775	15.930

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:39:09	0.907	0.408	216.500	37.310	180.000	0.227	0.232	1.660
2	22:39:50	0.522	0.449	220.200	35.330	172.200	0.347	0.379	1.661
3	22:40:32	0.848	0.436	220.500	32.610	169.300	0.454	0.400	1.699
x		0.759	0.431	219.100	35.080	173.800	0.343	0.337	1.673
σ		0.207	0.021	2.248	2.360	5.530	0.113	0.091	0.022
%RSD		27.290	4.876	1.026	6.728	3.181	33.070	27.130	1.335

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:39:09	1.695	5.056	5.216	0.185	-2.027	-1.116	0.000	244.400
2	22:39:50	1.710	5.407	5.232	-0.213	-2.381	-2.780	0.000	241.800
3	22:40:32	1.630	5.870	5.405	0.330	-2.672	-0.478	0.000	245.900
x		1.678	5.444	5.284	0.101	-2.360	-1.458	0.000	244.000
σ		0.043	0.408	0.105	0.281	0.323	1.188	0.000	2.090
%RSD		2.557	7.501	1.983	279.900	13.670	81.510	0.000	0.856

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:39:09	92.866%	15.330	16.520	91.678%	-0.013	-0.019	-0.003	-0.009
2	22:39:50	94.377%	9.324	9.388	92.656%	-0.002	-0.009	0.010	-0.032
3	22:40:32	93.968%	6.071	6.434	92.307%	0.000	-0.011	-0.033	-0.031
x		93.737%	10.240	10.780	92.214%	-0.005	-0.013	-0.008	-0.024
σ		0.782%	4.695	5.186	0.496%	0.007	0.005	0.022	0.013
%RSD		0.834	45.850	48.100	0.538	147.600	39.430	264.800	55.380

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:39:09	94.711%	6.453	0.440	0.395	71.070	73.280	101.732%	103.410%
2	22:39:50	96.561%	4.508	0.594	0.501	70.470	72.130	104.522%	106.347%
3	22:40:32	96.823%	3.619	0.441	0.454	71.680	72.840	105.287%	107.595%
x		96.032%	4.860	0.491	0.450	71.070	72.750	103.847%	105.784%
σ		1.151%	1.450	0.088	0.053	0.606	0.579	1.871%	2.148%
%RSD		1.199	29.830	18.010	11.810	0.853	0.796	1.802	2.031

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:39:09	0.204	0.213	0.415	0.406	0.410	112.662%
2	22:39:50	0.181	0.164	0.431	0.441	0.416	114.519%
3	22:40:32	0.171	0.148	0.428	0.419	0.406	115.315%
x		0.185	0.175	0.425	0.422	0.411	114.165%
σ		0.017	0.034	0.009	0.018	0.005	1.361%
%RSD		9.326	19.480	2.066	4.176	1.219	1.192

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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	22:47:01	85.652%	-0.017	4.974	4.645	0.000	5.184	0.855	0.731
2	22:47:43	84.122%	-0.037	3.600	3.834	0.000	6.951	2.022	2.239
3	22:48:25	82.579%	-0.006	4.122	3.750	0.000	9.047	3.863	3.849
x		84.118%	-0.020	4.232	4.076	0.000	7.061	2.247	2.273
σ		1.536%	0.015	0.694	0.494	0.000	1.934	1.517	1.560
%RSD		1.826	76.960	16.390	12.130	0.000	27.390	67.510	68.620

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:47:01	-0.289	-0.274	0.000	-11.060	-1.596	-2.677	96.197%	0.081
2	22:47:43	-0.332	0.515	0.000	-9.809	-1.554	-0.236	95.562%	0.082
3	22:48:25	-0.300	0.709	0.000	-7.967	5.792	3.942	95.750%	0.143
x		-0.307	0.317	0.000	-9.613	0.881	0.343	95.837%	0.102
σ		0.022	0.520	0.000	1.557	4.254	3.347	0.326%	0.035
%RSD		7.208	164.400	0.000	16.190	482.900	976.200	0.340	34.610

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:47:01	0.202	0.184	0.028	-10.080	-6.612	0.006	-0.009	0.081
2	22:47:43	0.451	0.144	0.039	-10.560	-7.722	0.010	-0.002	0.078
3	22:48:25	0.079	0.098	0.057	-11.900	-7.398	0.036	0.010	0.048
x		0.244	0.142	0.041	-10.850	-7.244	0.017	-0.000	0.069
σ		0.190	0.043	0.015	0.945	0.571	0.016	0.010	0.019
%RSD		77.870	30.290	35.230	8.709	7.879	95.210	2907.000	26.820

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:47:01	0.017	0.194	0.180	-0.746	-1.057	-2.395	0.000	0.008
2	22:47:43	0.106	0.385	0.286	-0.876	-2.112	-2.886	0.000	0.036
3	22:48:25	0.062	0.138	0.043	-0.520	-2.119	-1.286	0.000	0.075
x		0.061	0.239	0.169	-0.714	-1.763	-2.189	0.000	0.040
σ		0.045	0.130	0.122	0.180	0.611	0.820	0.000	0.034
%RSD		72.600	54.260	71.760	25.210	34.680	37.440	0.000	84.740

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:47:01	87.368%	1.281	1.421	90.430%	-0.038	-0.042	-0.007	-0.017
2	22:47:43	89.093%	1.251	1.309	91.555%	-0.034	-0.032	-0.085	-0.063
3	22:48:25	89.122%	0.856	1.097	91.775%	-0.034	-0.038	-0.044	-0.012
x		88.528%	1.129	1.276	91.253%	-0.035	-0.038	-0.046	-0.031
σ		1.005%	0.237	0.165	0.722%	0.003	0.005	0.039	0.028
%RSD		1.135	21.020	12.920	0.791	7.609	13.210	85.510	91.200

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:47:01	91.752%	1.868	-0.052	-0.018	0.030	0.030	98.701%	100.343%
2	22:47:43	94.088%	0.888	-0.064	-0.052	0.059	0.064	101.251%	102.774%
3	22:48:25	93.676%	1.056	-0.062	-0.066	0.135	0.151	102.191%	104.113%
x		93.172%	1.271	-0.059	-0.046	0.074	0.081	100.714%	102.410%
σ		1.247%	0.524	0.006	0.025	0.054	0.063	1.806%	1.911%
%RSD		1.339	41.250	10.960	54.670	72.500	76.810	1.793	1.866

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:47:01	0.042	0.035	0.007	-0.009	-0.002	116.609%
2	22:47:43	0.029	0.032	-0.009	-0.002	0.002	114.069%
3	22:48:25	0.033	0.020	-0.003	-0.005	0.002	113.391%
x		0.034	0.029	-0.001	-0.005	0.001	114.690%
σ		0.007	0.008	0.008	0.004	0.002	1.696%
%RSD		18.910	27.250	579.700	69.100	389.900	1.479

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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	22:51:18	59.692%	46.230	813.400	815.300	0.000	50130.000	46750.000	46670.000
2	22:52:00	61.093%	46.310	817.900	831.200	0.000	50050.000	46250.000	46550.000
3	22:52:41	61.561%	47.690	814.000	828.100	0.000	50440.000	46680.000	46960.000
x		60.782%	46.740	815.100	824.900	0.000	50200.000	46560.000	46730.000
σ		0.973%	0.820	2.479	8.398	0.000	208.500	270.200	209.500
%RSD		1.601	1.753	0.304	1.018	0.000	0.415	0.580	0.448

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:51:18	1863.000	8691.000	0.000	46680.000	45830.000	45320.000	75.051%	935.600
2	22:52:00	1870.000	8738.000	0.000	46310.000	45840.000	45510.000	76.800%	939.500
3	22:52:41	1886.000	8771.000	0.000	46430.000	45600.000	45260.000	78.297%	934.000
x		1873.000	8734.000	0.000	46470.000	45760.000	45360.000	76.716%	936.400
σ		12.130	40.520	0.000	192.100	136.600	129.700	1.625%	2.839
%RSD		0.648	0.464	0.000	0.413	0.299	0.286	2.118	0.303

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:51:18	488.200	195.800	496.800	1041.000	1180.000	502.500	481.200	230.600
2	22:52:00	485.400	193.800	495.700	1033.000	1152.000	497.200	483.200	229.900
3	22:52:41	488.200	196.300	492.400	1028.000	1156.000	499.600	482.300	229.700
x		487.300	195.300	495.000	1034.000	1163.000	499.800	482.200	230.100
σ		1.627	1.317	2.271	6.628	14.940	2.681	0.985	0.496
%RSD		0.334	0.674	0.459	0.641	1.285	0.536	0.204	0.216

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:51:18	243.200	519.200	521.000	37.630	5.875	10.000	0.000	992.400
2	22:52:00	245.000	518.800	511.600	38.000	5.503	8.664	0.000	995.700
3	22:52:41	243.000	516.700	515.700	37.240	7.144	9.179	0.000	993.500
x		243.700	518.300	516.100	37.620	6.174	9.281	0.000	993.900
σ		1.066	1.348	4.716	0.381	0.861	0.674	0.000	1.716
%RSD		0.438	0.260	0.914	1.012	13.940	7.261	0.000	0.173

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:51:18	79.522%	984.500	1040.000	82.225%	48.720	46.510	48.430	41.310
2	22:52:00	81.280%	991.600	1054.000	83.257%	48.210	46.110	49.440	41.760
3	22:52:41	82.662%	990.300	1047.000	85.061%	48.270	45.980	48.120	42.470
x		81.155%	988.800	1047.000	83.514%	48.400	46.200	48.660	41.850
σ		1.574%	3.775	6.911	1.435%	0.281	0.276	0.693	0.588
%RSD		1.939	0.382	0.660	1.719	0.581	0.596	1.423	1.405

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:51:18	88.610%	1909.000	468.200	476.900	1707.000	1771.000	102.771%	105.199%
2	22:52:00	90.886%	1905.000	469.500	478.600	1722.000	1779.000	105.145%	107.412%
3	22:52:41	91.234%	1917.000	472.300	481.900	1729.000	1791.000	106.030%	107.649%
x		90.244%	1910.000	470.000	479.100	1719.000	1780.000	104.649%	106.753%
σ		1.425%	6.129	2.096	2.572	11.070	9.970	1.685%	1.351%
%RSD		1.579	0.321	0.446	0.537	0.644	0.560	1.610	1.266

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:51:18	45.470	44.390	18.710	18.360	18.530	119.384%
2	22:52:00	47.440	46.560	19.560	19.070	19.250	118.481%
3	22:52:41	48.450	47.730	19.730	19.260	19.470	116.926%
x		47.120	46.230	19.330	18.900	19.080	118.263%
σ		1.513	1.696	0.550	0.477	0.493	1.243%
%RSD		3.211	3.669	2.843	2.522	2.584	1.051

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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	22:58:27	75.328%	101.500	98.380	97.670	0.000	51340.000	50260.000	50250.000
2	22:59:08	74.256%	103.500	95.240	94.610	0.000	51960.000	50630.000	50300.000
3	22:59:50	73.729%	103.400	96.550	92.610	0.000	52250.000	50890.000	50740.000
x		74.438%	102.805%	96.725%	94.963%	0.000	103.699%	101.182%	100.861%
σ		0.815%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.095	1.083	1.634	2.683	0.000	0.890	0.630	0.529

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:58:27	489.400	4934.000	0.000	49250.000	47880.000	47040.000	90.989%	98.490
2	22:59:08	493.300	4955.000	0.000	49730.000	48900.000	49270.000	91.265%	98.100
3	22:59:50	496.600	4949.000	0.000	49990.000	48670.000	49140.000	91.923%	98.710
x		98.620%	98.926%	0.000	99.310%	96.973%	96.967%	91.392%	98.432%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.480%	n/a
%RSD		0.737	0.219	0.000	0.758	1.100	2.584	0.525	0.309

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:58:27	95.440	97.950	490.500	25420.000	25190.000	98.800	98.610	96.300
2	22:59:08	97.520	99.280	496.100	25450.000	25240.000	99.620	99.000	96.010
3	22:59:50	96.650	98.980	494.700	25480.000	25420.000	99.110	99.360	96.920
x		96.537%	98.738%	98.751%	101.802%	101.140%	99.176%	98.991%	96.409%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.082	0.708	0.586	0.129	0.484	0.420	0.376	0.486

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:58:27	98.590	102.200	102.400	96.730	94.980	97.410	0.000	95.280
2	22:59:08	98.430	103.100	102.300	96.400	95.800	97.580	0.000	93.580
3	22:59:50	98.960	103.700	103.900	95.530	95.330	95.600	0.000	94.100
x		98.661%	102.984%	102.861%	96.219%	95.370%	96.864%	0.000	94.321%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.270	0.709	0.867	0.645	0.430	1.130	0.000	0.924

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:58:27	94.489%	96.340	99.710	91.789%	97.870	96.410	98.170	97.320
2	22:59:08	96.994%	98.600	101.400	93.463%	97.190	95.950	98.510	96.340
3	22:59:50	97.845%	98.530	102.200	94.693%	98.370	95.960	98.650	96.600
x		96.443%	97.821%	101.087%	93.315%	97.811%	96.107%	98.443%	96.755%
σ		1.745%	n/a	n/a	1.458%	n/a	n/a	n/a	n/a
%RSD		1.809	1.315	1.238	1.562	0.601	0.271	0.250	0.523

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:58:27	94.894%	97.030	97.640	97.590	92.130	93.670	100.495%	102.458%
2	22:59:08	97.383%	97.350	96.760	97.300	91.730	93.440	103.444%	104.875%
3	22:59:50	98.057%	96.540	97.950	97.280	92.390	93.960	104.096%	105.907%
x		96.778%	96.975%	97.452%	97.392%	92.082%	93.690%	102.678%	104.413%
σ		1.666%	n/a	n/a	n/a	n/a	n/a	1.919%	1.770%
%RSD		1.721	0.420	0.630	0.175	0.363	0.282	1.869	1.695

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:58:27	102.700	101.900	103.200	104.400	103.600	104.590%
2	22:59:08	103.600	103.200	105.100	104.300	105.000	105.959%
3	22:59:50	102.600	103.000	105.300	105.000	104.900	107.335%
x		102.954%	102.719%	104.536%	104.547%	104.493%	105.961%
σ		n/a	n/a	n/a	n/a	n/a	1.373%
%RSD		0.519	0.700	1.104	0.356	0.710	1.295

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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	23:06:19	90.910%	0.019	2.495	3.046	0.000	34.370	17.550	17.630
2	23:07:00	89.732%	0.047	2.483	2.623	0.000	30.550	13.450	13.720
3	23:07:42	88.359%	0.001	2.792	2.758	0.000	25.920	12.280	11.870
x		89.667%	0.022	2.590	2.809	0.000	30.280	14.430	14.400
σ		1.277%	0.023	0.175	0.216	0.000	4.232	2.767	2.942
%RSD		1.424	104.200	6.759	7.696	0.000	13.980	19.180	20.420

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:06:19	8.389	1.136	0.000	19.540	30.310	27.190	104.341%	0.051
2	23:07:00	8.421	1.406	0.000	13.270	20.680	21.320	105.191%	0.022
3	23:07:42	8.229	0.296	0.000	8.439	15.380	18.650	105.010%	0.078
x		8.346	0.946	0.000	13.750	22.130	22.390	104.848%	0.051
σ		0.103	0.579	0.000	5.568	7.569	4.371	0.448%	0.028
%RSD		1.231	61.200	0.000	40.490	34.210	19.520	0.427	55.120

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:06:19	0.018	0.045	0.290	4.930	10.400	0.080	0.106	0.245
2	23:07:00	0.096	0.045	0.253	0.648	7.252	0.043	0.075	0.210
3	23:07:42	0.118	0.035	0.222	-1.143	6.332	0.029	0.082	0.190
x		0.077	0.042	0.255	1.478	7.996	0.050	0.087	0.215
σ		0.053	0.006	0.034	3.121	2.135	0.026	0.016	0.028
%RSD		68.260	13.440	13.270	211.100	26.710	52.360	18.680	13.100

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:06:19	0.184	2.456	2.178	-0.320	-1.770	-1.153	0.000	0.137
2	23:07:00	0.196	2.348	2.320	-0.608	-0.979	-1.907	0.000	0.095
3	23:07:42	0.143	2.190	2.231	-0.296	-1.430	-0.789	0.000	0.084
x		0.174	2.331	2.243	-0.408	-1.393	-1.283	0.000	0.105
σ		0.028	0.134	0.072	0.173	0.397	0.570	0.000	0.028
%RSD		15.960	5.741	3.202	42.510	28.500	44.440	0.000	26.480

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:06:19	97.348%	0.764	0.757	97.690%	0.022	-0.003	0.069	0.066
2	23:07:00	99.076%	0.532	0.600	99.362%	0.002	-0.006	0.034	0.006
3	23:07:42	99.832%	0.502	0.551	99.696%	-0.014	-0.023	-0.070	-0.026
x		98.752%	0.599	0.636	98.916%	0.003	-0.011	0.011	0.016
σ		1.273%	0.144	0.108	1.075%	0.018	0.011	0.072	0.046
%RSD		1.289	23.980	16.910	1.087	527.200	106.100	664.600	298.600

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:06:19	98.200%	-0.304	-0.092	-0.096	0.205	0.200	100.943%	103.066%
2	23:07:00	100.747%	-0.522	-0.121	-0.133	0.192	0.168	104.250%	104.656%
3	23:07:42	102.028%	-0.951	-0.137	-0.165	0.118	0.121	104.967%	106.771%
x		100.325%	-0.592	-0.117	-0.131	0.172	0.163	103.386%	104.831%
σ		1.948%	0.330	0.023	0.034	0.047	0.040	2.146%	1.859%
%RSD		1.942	55.620	19.330	26.100	27.300	24.400	2.076	1.773

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:06:19	0.114	0.100	0.030	0.067	0.049	109.393%
2	23:07:00	0.095	0.086	0.024	0.051	0.036	111.703%
3	23:07:42	0.069	0.066	0.034	0.014	0.035	113.824%
x		0.093	0.084	0.029	0.044	0.040	111.640%
σ		0.022	0.017	0.005	0.027	0.008	2.216%
%RSD		24.070	20.090	16.510	62.490	18.890	1.985

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:10:36	66.012%	0.027	12.700	13.550	0.000	6242.000	3699.000	3677.000
2	23:11:18	65.744%	0.027	12.940	13.640	0.000	6247.000	3665.000	3720.000
3	23:12:00	67.057%	-0.012	13.500	13.210	0.000	6233.000	3688.000	3696.000
x		66.271%	0.014	13.040	13.470	0.000	6241.000	3684.000	3697.000
σ		0.694%	0.022	0.410	0.228	0.000	7.260	17.570	21.420
%RSD		1.047	159.800	3.145	1.696	0.000	0.116	0.477	0.579

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:10:36	5.576	4146.000	0.000	1023.000	3132.000	3138.000	77.437%	1.042
2	23:11:18	6.058	4176.000	0.000	1021.000	3170.000	3149.000	78.389%	0.714
3	23:12:00	5.785	4154.000	0.000	1012.000	3391.000	3100.000	79.408%	0.849
x		5.806	4159.000	0.000	1019.000	3231.000	3129.000	78.412%	0.868
σ		0.241	15.430	0.000	5.687	140.000	25.810	0.986%	0.165
%RSD		4.155	0.371	0.000	0.558	4.333	0.825	1.257	18.990

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:10:36	1.267	1.596	3.942	629.600	621.200	0.282	3.310	0.872
2	23:11:18	2.198	1.611	3.946	619.600	613.600	0.265	3.014	0.846
3	23:12:00	1.953	1.682	3.931	625.000	618.300	0.293	3.048	0.863
x		1.806	1.629	3.940	624.700	617.700	0.280	3.124	0.860
σ		0.483	0.046	0.008	4.994	3.840	0.014	0.162	0.013
%RSD		26.730	2.818	0.192	0.799	0.622	5.096	5.192	1.529

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:10:36	0.839	8.921	8.977	0.277	-4.176	-3.530	0.000	35.470
2	23:11:18	0.703	8.642	8.582	0.579	-3.434	-3.794	0.000	34.860
3	23:12:00	0.870	8.907	8.496	-0.729	-3.730	-5.465	0.000	35.340
x		0.804	8.823	8.685	0.042	-3.780	-4.263	0.000	35.230
σ		0.089	0.157	0.257	0.685	0.374	1.049	0.000	0.322
%RSD		11.080	1.781	2.955	1611.000	9.883	24.620	0.000	0.915

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:10:36	87.965%	0.909	0.877	85.238%	-0.026	-0.034	-0.081	-0.098
2	23:11:18	89.870%	0.671	0.745	86.868%	-0.036	-0.034	-0.086	-0.057
3	23:12:00	90.151%	0.720	0.726	87.560%	-0.038	-0.041	-0.017	0.032
x		89.328%	0.767	0.783	86.555%	-0.033	-0.036	-0.061	-0.041
σ		1.189%	0.126	0.082	1.192%	0.006	0.004	0.039	0.066
%RSD		1.331	16.390	10.500	1.377	18.510	10.690	63.250	162.400

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:10:36	90.543%	15.050	-0.001	-0.017	7.008	7.186	102.157%	103.733%
2	23:11:18	92.340%	12.970	-0.057	-0.025	7.031	7.134	104.170%	105.840%
3	23:12:00	92.905%	11.620	-0.079	-0.051	6.854	6.733	103.956%	106.223%
x		91.929%	13.210	-0.046	-0.031	6.964	7.018	103.428%	105.265%
σ		1.233%	1.728	0.040	0.018	0.096	0.248	1.106%	1.341%
%RSD		1.341	13.070	87.500	57.570	1.384	3.531	1.069	1.274

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:10:36	0.065	0.065	0.458	0.502	0.468	116.170%
2	23:11:18	0.055	0.063	0.424	0.421	0.438	117.563%
3	23:12:00	0.065	0.064	0.461	0.460	0.441	117.359%
x		0.061	0.064	0.447	0.461	0.449	117.031%
σ		0.006	0.001	0.021	0.040	0.017	0.753%
%RSD		8.995	1.937	4.647	8.766	3.675	0.643

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:14:52	65.370%	-0.011	13.580	16.570	0.000	5520.000	3349.000	3359.000
2	23:15:34	63.605%	-0.024	14.970	15.200	0.000	5502.000	3320.000	3359.000
3	23:16:15	63.285%	0.029	13.730	14.910	0.000	5543.000	3363.000	3370.000
x		64.087%	-0.002	14.090	15.560	0.000	5521.000	3344.000	3363.000
σ		1.123%	0.028	0.761	0.886	0.000	20.740	21.560	6.429
%RSD		1.752	1498.000	5.399	5.695	0.000	0.376	0.645	0.191

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:14:52	10.010	4642.000	0.000	1164.000	6883.000	6754.000	78.079%	1.292
2	23:15:34	9.806	4671.000	0.000	1169.000	7157.000	6705.000	77.319%	0.931
3	23:16:15	9.631	4622.000	0.000	1167.000	6757.000	6787.000	77.834%	0.794
x		9.814	4645.000	0.000	1166.000	6932.000	6749.000	77.744%	1.006
σ		0.188	24.500	0.000	2.710	204.700	41.620	0.388%	0.258
%RSD		1.914	0.527	0.000	0.232	2.953	0.617	0.499	25.610

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:14:52	2.407	1.789	0.775	1.790	28.190	0.034	0.017	0.563
2	23:15:34	1.590	1.692	0.780	1.520	26.090	0.026	0.034	0.490
3	23:16:15	1.947	1.653	0.780	0.005	23.020	0.016	0.077	0.548
x		1.982	1.712	0.778	1.105	25.760	0.025	0.043	0.534
σ		0.410	0.070	0.003	0.963	2.600	0.009	0.031	0.039
%RSD		20.680	4.089	0.349	87.110	10.090	35.320	72.390	7.247

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:14:52	0.542	4.761	4.617	-0.690	-3.768	-3.693	0.000	39.260
2	23:15:34	0.674	4.582	4.265	-0.770	-3.769	-4.118	0.000	39.310
3	23:16:15	0.496	4.028	4.674	-0.676	-4.162	-3.825	0.000	38.930
x		0.571	4.457	4.518	-0.712	-3.900	-3.879	0.000	39.160
σ		0.092	0.382	0.222	0.051	0.227	0.217	0.000	0.206
%RSD		16.150	8.576	4.907	7.132	5.830	5.605	0.000	0.526

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:14:52	87.922%	0.698	0.711	85.457%	-0.039	-0.048	-0.104	-0.084
2	23:15:34	88.734%	0.506	0.549	85.856%	-0.037	-0.046	-0.125	-0.074
3	23:16:15	90.092%	0.515	0.523	86.194%	-0.039	-0.050	-0.157	-0.093
x		88.916%	0.573	0.594	85.836%	-0.038	-0.048	-0.129	-0.084
σ		1.096%	0.108	0.102	0.369%	0.001	0.002	0.027	0.010
%RSD		1.233	18.890	17.090	0.430	3.761	4.144	21.130	11.630

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:14:52	90.071%	9.580	-0.081	-0.118	3.794	3.966	100.143%	102.567%
2	23:15:34	92.461%	8.461	-0.126	-0.113	3.362	3.894	103.788%	105.980%
3	23:16:15	93.409%	7.861	-0.100	-0.100	3.891	3.632	106.220%	107.544%
x		91.980%	8.634	-0.103	-0.111	3.682	3.830	103.384%	105.364%
σ		1.720%	0.873	0.023	0.009	0.282	0.176	3.059%	2.545%
%RSD		1.870	10.110	22.300	8.530	7.648	4.588	2.959	2.416

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:14:52	0.066	0.043	0.022	0.011	0.023	112.434%
2	23:15:34	0.041	0.040	0.019	-0.008	0.012	117.024%
3	23:16:15	0.043	0.030	0.014	0.005	0.010	118.232%
x		0.050	0.037	0.018	0.003	0.015	115.897%
σ		0.014	0.007	0.004	0.009	0.007	3.059%
%RSD		27.890	17.680	23.300	333.800	46.660	2.639

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:05	63.855%	0.016	18.600	22.590	0.000	5521.000	2656.000	2664.000
2	23:19:47	62.631%	0.003	21.110	22.790	0.000	5661.000	2702.000	2741.000
3	23:20:29	66.315%	-0.012	22.000	20.900	0.000	5462.000	2627.000	2653.000
x		64.267%	0.002	20.570	22.090	0.000	5548.000	2662.000	2686.000
σ		1.876%	0.014	1.764	1.041	0.000	102.300	37.450	47.830
%RSD		2.920	571.500	8.576	4.711	0.000	1.844	1.407	1.781

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:05	1.237	4599.000	0.000	1620.000	7328.000	6892.000	78.942%	1.037
2	23:19:47	1.122	4729.000	0.000	1641.000	7057.000	6921.000	80.015%	0.841
3	23:20:29	0.922	4619.000	0.000	1628.000	7112.000	6875.000	82.075%	0.729
x		1.094	4649.000	0.000	1630.000	7165.000	6896.000	80.344%	0.869
σ		0.159	70.290	0.000	10.930	143.300	23.520	1.592%	0.156
%RSD		14.570	1.512	0.000	0.671	1.999	0.341	1.982	17.960

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:05	1.576	1.254	1108.000	50360.000	51950.000	2.985	0.628	0.671
2	23:19:47	1.776	1.328	1105.000	50040.000	52450.000	2.906	0.710	0.703
3	23:20:29	1.485	1.468	1093.000	49860.000	52170.000	2.905	0.566	0.671
x		1.612	1.350	1102.000	50090.000	52190.000	2.932	0.635	0.681
σ		0.149	0.109	8.143	254.000	253.100	0.046	0.072	0.018
%RSD		9.217	8.053	0.739	0.507	0.485	1.568	11.420	2.712

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:05	0.614	5.013	5.212	10.280	-4.796	-3.109	0.000	90.190
2	23:19:47	0.766	4.732	4.877	9.664	-4.609	-3.381	0.000	91.100
3	23:20:29	0.561	5.005	4.876	10.560	-3.278	-2.275	0.000	91.570
x		0.647	4.917	4.988	10.170	-4.228	-2.922	0.000	90.950
σ		0.107	0.160	0.194	0.459	0.828	0.577	0.000	0.698
%RSD		16.470	3.254	3.878	4.512	19.580	19.730	0.000	0.767

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:05	91.348%	1.532	1.656	87.097%	-0.039	-0.048	-0.085	-0.040
2	23:19:47	93.791%	1.565	1.706	89.021%	-0.037	-0.037	-0.147	-0.067
3	23:20:29	94.826%	1.671	1.718	90.938%	-0.037	-0.045	-0.066	0.003
x		93.321%	1.589	1.693	89.019%	-0.038	-0.044	-0.099	-0.035
σ		1.786%	0.073	0.033	1.921%	0.001	0.006	0.042	0.035
%RSD		1.914	4.586	1.937	2.158	3.235	13.110	42.450	100.800

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:05	94.489%	6.951	0.007	0.003	15.070	15.850	106.792%	108.936%
2	23:19:47	96.932%	6.592	-0.010	-0.009	14.840	15.240	110.623%	112.325%
3	23:20:29	98.535%	6.555	0.008	-0.023	14.920	15.400	112.634%	113.493%
x		96.652%	6.699	0.002	-0.010	14.940	15.500	110.016%	111.584%
σ		2.037%	0.219	0.010	0.013	0.118	0.319	2.968%	2.367%
%RSD		2.108	3.267	569.500	130.500	0.791	2.061	2.698	2.121

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:19:05	0.026	0.027	0.773	0.701	0.735	122.255%
2	23:19:47	0.015	0.024	0.717	0.684	0.701	124.834%
3	23:20:29	0.014	0.022	0.782	0.693	0.736	126.502%
x		0.018	0.024	0.757	0.693	0.724	124.530%
σ		0.007	0.002	0.035	0.009	0.020	2.140%
%RSD		35.910	9.396	4.632	1.235	2.751	1.718

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:20	71.536%	0.163	16.560	18.620	0.000	7361.000	2221.000	2253.000
2	23:24:01	69.077%	0.133	15.030	18.970	0.000	7434.000	2264.000	2267.000
3	23:24:43	67.640%	0.075	16.560	18.400	0.000	7444.000	2241.000	2284.000
x		69.418%	0.123	16.050	18.660	0.000	7413.000	2242.000	2268.000
σ		1.970%	0.045	0.883	0.286	0.000	45.250	21.580	15.430
%RSD		2.838	36.310	5.503	1.530	0.000	0.610	0.963	0.680

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:20	9.053	6017.000	0.000	1386.000	2783.000	2613.000	84.906%	1.333
2	23:24:01	8.688	6036.000	0.000	1406.000	2726.000	2646.000	83.670%	1.111
3	23:24:43	8.909	6044.000	0.000	1402.000	2659.000	2638.000	83.255%	1.395
x		8.883	6032.000	0.000	1398.000	2723.000	2632.000	83.944%	1.279
σ		0.184	14.020	0.000	10.690	61.770	17.210	0.859%	0.149
%RSD		2.072	0.232	0.000	0.765	2.269	0.654	1.023	11.670

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:20	2.824	2.370	266.300	21560.000	21480.000	1.572	0.817	0.514
2	23:24:01	2.964	2.393	268.200	21560.000	21640.000	1.632	0.808	0.532
3	23:24:43	2.093	2.396	270.500	21600.000	21690.000	1.514	0.728	0.577
x		2.627	2.386	268.300	21570.000	21600.000	1.573	0.784	0.541
σ		0.468	0.014	2.144	25.270	106.800	0.059	0.049	0.033
%RSD		17.820	0.591	0.799	0.117	0.494	3.735	6.236	6.047

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:20	0.582	6.977	7.302	26.370	-3.051	-4.875	0.000	51.270
2	23:24:01	0.605	7.327	7.698	25.320	-3.662	-3.582	0.000	50.850
3	23:24:43	0.590	7.060	7.118	24.070	-2.962	-4.381	0.000	51.190
x		0.592	7.122	7.372	25.250	-3.225	-4.279	0.000	51.100
σ		0.011	0.183	0.297	1.152	0.381	0.653	0.000	0.226
%RSD		1.911	2.565	4.024	4.560	11.820	15.250	0.000	0.441

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:20	95.418%	0.507	0.467	92.105%	-0.035	-0.045	-0.081	-0.014
2	23:24:01	96.310%	0.360	0.526	92.017%	-0.032	-0.042	-0.067	-0.128
3	23:24:43	95.809%	0.402	0.414	92.779%	-0.032	-0.046	-0.088	-0.015
x		95.846%	0.423	0.469	92.300%	-0.033	-0.044	-0.079	-0.053
σ		0.447%	0.076	0.056	0.417%	0.002	0.002	0.011	0.065
%RSD		0.466	17.930	12.010	0.452	6.076	4.206	13.650	124.300

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:20	96.513%	5.435	-0.044	-0.038	25.390	25.920	107.205%	109.131%
2	23:24:01	97.902%	5.538	-0.007	-0.021	24.800	26.410	109.442%	112.005%
3	23:24:43	97.996%	4.957	-0.047	0.002	25.180	26.040	111.227%	113.539%
x		97.471%	5.310	-0.032	-0.019	25.120	26.120	109.291%	111.558%
σ		0.831%	0.310	0.022	0.020	0.301	0.255	2.015%	2.238%
%RSD		0.852	5.839	68.880	106.600	1.197	0.974	1.844	2.006

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:20	0.042	0.041	0.886	0.826	0.837	117.117%
2	23:24:01	0.040	0.040	0.799	0.878	0.834	119.096%
3	23:24:43	0.040	0.046	0.786	0.830	0.812	120.746%
x		0.040	0.042	0.823	0.845	0.828	118.986%
σ		0.001	0.003	0.054	0.029	0.014	1.817%
%RSD		2.982	6.985	6.601	3.417	1.685	1.527

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:27:34	64.686%	0.015	19.080	17.440	0.000	11690.000	2646.000	2672.000
2	23:28:15	62.695%	-0.010	18.460	19.260	0.000	11890.000	2707.000	2757.000
3	23:28:57	62.130%	0.017	16.190	18.260	0.000	11850.000	2707.000	2759.000
x		63.170%	0.007	17.910	18.320	0.000	11810.000	2687.000	2729.000
σ		1.343%	0.015	1.519	0.915	0.000	109.300	34.890	49.290
%RSD		2.125	210.700	8.480	4.994	0.000	0.926	1.298	1.806

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:27:34	2.354	8226.000	0.000	1284.000	3671.000	3741.000	81.987%	0.907
2	23:28:15	2.321	8299.000	0.000	1295.000	3782.000	3761.000	80.875%	1.098
3	23:28:57	2.344	8301.000	0.000	1297.000	4036.000	3703.000	81.384%	0.931
x		2.339	8275.000	0.000	1292.000	3830.000	3735.000	81.415%	0.979
σ		0.017	42.670	0.000	6.877	187.100	29.630	0.557%	0.104
%RSD		0.722	0.516	0.000	0.532	4.885	0.793	0.684	10.650

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:27:34	1.915	2.675	2.572	16.030	27.500	0.070	0.252	1.185
2	23:28:15	3.136	2.610	2.575	9.983	18.870	0.058	0.266	1.120
3	23:28:57	2.959	2.495	2.435	4.788	14.260	0.075	0.253	1.144
x		2.670	2.593	2.527	10.270	20.210	0.067	0.257	1.150
σ		0.660	0.091	0.080	5.626	6.720	0.009	0.008	0.033
%RSD		24.720	3.515	3.168	54.800	33.260	13.270	3.041	2.836

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:27:34	1.080	5.220	5.217	0.206	-3.630	-2.148	0.000	53.530
2	23:28:15	1.180	5.344	5.193	0.109	-2.685	-3.387	0.000	53.350
3	23:28:57	1.160	5.334	5.169	-0.022	-3.630	-2.707	0.000	53.380
x		1.140	5.299	5.193	0.098	-3.315	-2.747	0.000	53.420
σ		0.053	0.069	0.024	0.114	0.546	0.620	0.000	0.094
%RSD		4.675	1.304	0.457	116.900	16.460	22.580	0.000	0.176

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:27:34	93.763%	0.090	0.168	89.755%	-0.038	-0.038	-0.083	-0.077
2	23:28:15	95.388%	0.127	0.124	90.978%	-0.041	-0.046	-0.126	-0.097
3	23:28:57	95.448%	0.141	0.188	91.084%	-0.039	-0.044	-0.101	-0.032
x		94.866%	0.119	0.160	90.606%	-0.039	-0.043	-0.103	-0.069
σ		0.956%	0.026	0.032	0.739%	0.001	0.004	0.022	0.033
%RSD		1.008	21.750	20.270	0.815	3.608	9.072	20.910	48.240

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:27:34	95.854%	3.618	-0.159	-0.164	13.390	14.100	109.155%	110.685%
2	23:28:15	98.465%	3.551	-0.167	-0.144	13.030	13.770	112.828%	113.989%
3	23:28:57	98.937%	3.408	-0.154	-0.176	13.600	13.750	114.903%	115.014%
x		97.752%	3.526	-0.160	-0.161	13.340	13.870	112.295%	113.229%
σ		1.660%	0.108	0.007	0.016	0.288	0.200	2.911%	2.262%
%RSD		1.698	3.050	4.131	9.924	2.157	1.441	2.592	1.998

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:27:34	0.016	0.024	0.020	0.019	0.023	123.811%
2	23:28:15	0.018	0.019	0.028	0.010	0.020	128.050%
3	23:28:57	0.023	0.021	0.024	0.011	0.021	129.158%
x		0.019	0.021	0.024	0.013	0.021	127.006%
σ		0.004	0.002	0.004	0.005	0.002	2.822%
%RSD		19.550	11.440	16.350	38.130	7.272	2.222

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:31:48	69.614%	0.060	14.140	14.930	0.000	5412.000	2418.000	2420.000
2	23:32:30	68.194%	0.037	16.520	15.310	0.000	5478.000	2438.000	2447.000
3	23:33:12	67.670%	0.075	15.020	14.540	0.000	5408.000	2396.000	2428.000
x		68.493%	0.057	15.230	14.930	0.000	5433.000	2417.000	2432.000
σ		1.005%	0.019	1.204	0.381	0.000	39.160	21.180	13.730
%RSD		1.468	33.260	7.907	2.550	0.000	0.721	0.876	0.564

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:31:48	3.424	6751.000	0.000	916.100	2501.000	2576.000	83.094%	1.016
2	23:32:30	3.731	6779.000	0.000	928.300	2715.000	2611.000	82.227%	1.044
3	23:33:12	3.564	6651.000	0.000	912.700	2583.000	2537.000	82.246%	0.992
x		3.573	6727.000	0.000	919.000	2600.000	2575.000	82.523%	1.017
σ		0.153	67.500	0.000	8.194	107.700	37.450	0.495%	0.026
%RSD		4.294	1.003	0.000	0.892	4.142	1.455	0.600	2.587

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:31:48	4.371	1.922	21.160	45.010	49.810	0.200	1.460	0.948
2	23:32:30	3.819	1.894	21.300	42.890	48.060	0.212	1.343	0.849
3	23:33:12	3.602	1.808	21.170	41.330	43.740	0.202	1.374	0.887
x		3.931	1.875	21.210	43.080	47.200	0.205	1.392	0.894
σ		0.397	0.059	0.078	1.848	3.124	0.006	0.061	0.050
%RSD		10.090	3.167	0.366	4.289	6.619	2.961	4.364	5.595

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:31:48	0.947	8.760	8.398	-0.271	-3.228	-5.098	0.000	37.740
2	23:32:30	0.825	8.717	8.671	-0.668	-4.379	-5.923	0.000	37.440
3	23:33:12	0.883	8.621	8.884	-1.061	-3.652	-7.820	0.000	38.020
x		0.885	8.699	8.651	-0.667	-3.753	-6.281	0.000	37.740
σ		0.061	0.071	0.244	0.395	0.582	1.396	0.000	0.289
%RSD		6.860	0.818	2.816	59.200	15.510	22.220	0.000	0.766

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:31:48	93.261%	0.180	0.211	90.663%	-0.041	-0.041	-0.118	-0.074
2	23:32:30	94.427%	0.134	0.193	91.385%	-0.042	-0.037	-0.164	-0.106
3	23:33:12	93.489%	0.115	0.220	90.498%	-0.036	-0.045	-0.085	-0.069
x		93.726%	0.143	0.208	90.849%	-0.040	-0.041	-0.122	-0.083
σ		0.618%	0.033	0.014	0.472%	0.003	0.004	0.040	0.020
%RSD		0.659	23.300	6.650	0.520	8.027	8.951	32.770	23.600

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:31:48	95.945%	4.601	-0.159	-0.125	6.859	7.218	106.678%	108.371%
2	23:32:30	96.841%	4.376	-0.154	-0.160	6.990	6.972	108.011%	110.186%
3	23:33:12	96.785%	4.508	-0.137	-0.148	6.537	7.077	108.756%	111.361%
x		96.524%	4.495	-0.150	-0.145	6.795	7.089	107.815%	109.973%
σ		0.502%	0.113	0.012	0.018	0.233	0.123	1.052%	1.507%
%RSD		0.520	2.523	7.816	12.300	3.426	1.738	0.976	1.370

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:31:48	0.042	0.050	0.066	0.077	0.070	118.683%
2	23:32:30	0.038	0.051	0.061	0.082	0.074	120.375%
3	23:33:12	0.048	0.054	0.057	0.058	0.063	121.509%
x		0.043	0.051	0.061	0.072	0.069	120.189%
σ		0.005	0.002	0.005	0.012	0.006	1.422%
%RSD		11.580	3.908	7.765	17.070	8.613	1.183

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:04	66.675%	-0.024	23.670	25.070	0.000	5048.000	2049.000	2070.000
2	23:36:46	65.460%	0.027	23.910	24.070	0.000	5047.000	2056.000	2056.000
3	23:37:27	65.112%	0.015	23.910	23.420	0.000	5006.000	2050.000	2059.000
x		65.749%	0.006	23.830	24.190	0.000	5034.000	2052.000	2062.000
σ		0.820%	0.027	0.139	0.827	0.000	24.200	3.653	7.031
%RSD		1.248	462.200	0.584	3.420	0.000	0.481	0.178	0.341

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:04	2.494	5474.000	0.000	1218.000	6345.000	6176.000	82.035%	0.836
2	23:36:46	2.681	5467.000	0.000	1233.000	6549.000	6283.000	80.813%	0.904
3	23:37:27	2.322	5401.000	0.000	1225.000	6624.000	6368.000	80.103%	0.985
x		2.499	5447.000	0.000	1225.000	6506.000	6276.000	80.984%	0.908
σ		0.179	40.300	0.000	7.675	144.200	96.040	0.977%	0.074
%RSD		7.179	0.740	0.000	0.626	2.217	1.530	1.207	8.190

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:04	2.944	1.797	603.700	56100.000	58220.000	3.738	1.465	0.414
2	23:36:46	1.044	1.898	603.200	55660.000	56300.000	3.569	1.550	0.409
3	23:37:27	2.024	1.834	611.300	56020.000	56620.000	3.754	1.504	0.500
x		2.004	1.843	606.100	55920.000	57050.000	3.687	1.506	0.441
σ		0.950	0.051	4.549	234.300	1031.000	0.103	0.043	0.051
%RSD		47.420	2.761	0.751	0.419	1.807	2.785	2.833	11.550

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:04	0.366	5.363	5.283	18.570	-2.721	-4.488	0.000	66.580
2	23:36:46	0.433	5.001	4.927	19.440	-3.905	-3.270	0.000	65.700
3	23:37:27	0.410	5.168	5.301	18.860	-2.898	-5.077	0.000	66.850
x		0.403	5.177	5.170	18.960	-3.175	-4.278	0.000	66.380
σ		0.034	0.181	0.211	0.440	0.638	0.922	0.000	0.598
%RSD		8.445	3.501	4.080	2.323	20.110	21.550	0.000	0.900

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:04	91.925%	1.264	1.332	88.597%	-0.036	-0.037	-0.074	-0.072
2	23:36:46	91.983%	1.153	1.167	88.118%	-0.041	-0.042	-0.184	-0.165
3	23:37:27	91.556%	0.982	1.195	87.702%	-0.038	-0.045	-0.123	-0.094
x		91.821%	1.133	1.231	88.139%	-0.038	-0.041	-0.127	-0.110
σ		0.232%	0.142	0.089	0.448%	0.002	0.004	0.055	0.048
%RSD		0.252	12.570	7.188	0.508	6.440	9.469	43.140	43.940

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:04	93.392%	3.192	0.082	0.081	14.480	14.580	104.365%	106.329%
2	23:36:46	94.555%	3.190	0.057	0.088	14.180	14.230	107.620%	108.800%
3	23:37:27	95.214%	2.910	0.079	0.046	14.450	14.520	107.668%	109.415%
x		94.387%	3.097	0.072	0.071	14.370	14.440	106.551%	108.181%
σ		0.922%	0.162	0.014	0.023	0.163	0.184	1.893%	1.633%
%RSD		0.977	5.237	18.670	31.720	1.131	1.272	1.777	1.510

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:04	0.019	0.008	0.596	0.579	0.606	114.629%
2	23:36:46	0.016	0.010	0.550	0.662	0.616	117.996%
3	23:37:27	0.001	0.011	0.576	0.639	0.587	119.753%
x		0.012	0.010	0.574	0.627	0.603	117.460%
σ		0.010	0.002	0.023	0.043	0.015	2.604%
%RSD		81.920	19.070	3.977	6.825	2.453	2.217

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:40:20	68.688%	0.098	15.280	16.110	0.000	4469.000	3809.000	3824.000
2	23:41:02	68.930%	0.024	16.500	16.210	0.000	4505.000	3813.000	3863.000
3	23:41:43	69.057%	0.036	16.530	16.390	0.000	4416.000	3758.000	3815.000
x		68.892%	0.053	16.100	16.230	0.000	4463.000	3793.000	3834.000
σ		0.187%	0.039	0.710	0.142	0.000	45.140	30.620	25.460
%RSD		0.272	75.000	4.410	0.873	0.000	1.011	0.807	0.664

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:40:20	7.339	4094.000	0.000	1761.000	4164.000	3999.000	81.580%	0.806
2	23:41:02	7.570	4116.000	0.000	1777.000	3987.000	3986.000	81.327%	0.827
3	23:41:43	7.537	3921.000	0.000	1750.000	4289.000	3983.000	81.828%	0.857
x		7.482	4043.000	0.000	1763.000	4147.000	3989.000	81.578%	0.830
σ		0.125	106.700	0.000	13.940	152.000	8.681	0.251%	0.025
%RSD		1.667	2.640	0.000	0.791	3.666	0.218	0.307	3.057

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:40:20	3.176	3.191	0.601	31.330	46.800	0.033	0.098	1.617
2	23:41:02	3.239	2.960	0.572	18.220	30.260	0.028	0.148	1.600
3	23:41:43	3.281	2.810	0.542	13.920	25.860	0.038	0.122	1.548
x		3.232	2.987	0.572	21.160	34.310	0.033	0.123	1.588
σ		0.053	0.192	0.029	9.074	11.040	0.005	0.025	0.036
%RSD		1.629	6.431	5.091	42.890	32.180	15.720	20.390	2.260

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:40:20	1.528	6.425	6.334	-0.792	-2.945	-4.301	0.000	47.350
2	23:41:02	1.603	6.685	6.508	-1.879	-3.326	-6.369	0.000	47.040
3	23:41:43	1.525	6.712	6.337	-0.023	-3.458	-6.512	0.000	47.930
x		1.552	6.607	6.393	-0.898	-3.243	-5.727	0.000	47.440
σ		0.044	0.158	0.100	0.933	0.267	1.237	0.000	0.451
%RSD		2.858	2.396	1.561	103.900	8.223	21.600	0.000	0.951

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:40:20	91.516%	0.086	0.081	88.773%	-0.038	-0.045	0.621	0.434
2	23:41:02	92.181%	0.147	0.132	89.260%	-0.040	-0.042	0.316	0.410
3	23:41:43	91.472%	0.141	0.143	89.300%	-0.033	-0.042	0.508	0.421
x		91.723%	0.125	0.119	89.111%	-0.037	-0.043	0.482	0.422
σ		0.397%	0.033	0.033	0.294%	0.003	0.001	0.155	0.012
%RSD		0.433	26.810	28.030	0.330	8.719	3.374	32.090	2.877

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:40:20	94.085%	2.374	-0.172	-0.175	6.856	6.678	104.004%	106.052%
2	23:41:02	94.285%	2.831	-0.153	-0.173	6.575	6.781	105.486%	107.711%
3	23:41:43	93.816%	3.096	-0.158	-0.162	6.849	6.523	105.174%	107.016%
x		94.062%	2.767	-0.161	-0.170	6.760	6.661	104.888%	106.927%
σ		0.235%	0.365	0.010	0.007	0.160	0.130	0.781%	0.833%
%RSD		0.250	13.200	6.093	3.941	2.368	1.948	0.745	0.779

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:40:20	0.017	0.017	0.033	0.018	0.027	112.356%
2	23:41:02	0.018	0.020	0.019	0.014	0.026	113.251%
3	23:41:43	0.020	0.014	0.003	0.022	0.015	113.341%
x		0.018	0.017	0.018	0.018	0.023	112.983%
σ		0.002	0.003	0.015	0.004	0.007	0.545%
%RSD		9.635	18.500	80.260	23.870	29.430	0.482

180-14628-B-10-A 10/10/2012 11:43:54 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	23:44:36	67.318%	0.150	17.220	18.010	0.000	7812.000	2315.000	2318.000
2	23:45:18	67.835%	0.075	16.570	18.540	0.000	7741.000	2304.000	2325.000
3	23:45:59	64.859%	0.195	18.500	18.130	0.000	7820.000	2297.000	2321.000
x		66.671%	0.140	17.430	18.230	0.000	7791.000	2305.000	2321.000
σ		1.590%	0.061	0.980	0.279	0.000	43.510	9.017	3.483
%RSD		2.385	43.620	5.624	1.531	0.000	0.559	0.391	0.150

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:44:36	9.334	6230.000	0.000	1435.000	2686.000	2654.000	81.451%	1.270
2	23:45:18	9.027	6137.000	0.000	1443.000	2743.000	2722.000	80.274%	1.181
3	23:45:59	9.502	6135.000	0.000	1439.000	2822.000	2712.000	80.569%	1.320
x		9.288	6167.000	0.000	1439.000	2750.000	2696.000	80.765%	1.257
σ		0.241	54.090	0.000	3.832	68.180	36.640	0.613%	0.070
%RSD		2.594	0.877	0.000	0.266	2.479	1.359	0.758	5.587

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:44:36	3.201	3.371	276.800	22800.000	22700.000	1.672	0.737	0.397
2	23:45:18	3.429	3.218	283.000	22890.000	22990.000	1.638	0.780	0.419
3	23:45:59	3.396	3.255	281.100	22830.000	22850.000	1.675	0.655	0.351
x		3.342	3.281	280.300	22840.000	22850.000	1.662	0.724	0.389
σ		0.123	0.080	3.162	46.200	144.200	0.021	0.063	0.034
%RSD		3.684	2.435	1.128	0.202	0.631	1.240	8.723	8.846

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:44:36	0.327	5.595	6.311	25.560	-3.593	-5.448	0.000	52.690
2	23:45:18	0.370	5.662	6.231	27.390	-3.140	-3.840	0.000	52.970
3	23:45:59	0.406	6.011	5.528	26.210	-3.748	-3.745	0.000	53.000
x		0.368	5.756	6.023	26.380	-3.494	-4.344	0.000	52.890
σ		0.039	0.223	0.431	0.927	0.316	0.957	0.000	0.171
%RSD		10.710	3.875	7.152	3.513	9.053	22.030	0.000	0.324

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:44:36	91.158%	0.232	0.398	87.603%	-0.041	-0.043	-0.086	-0.031
2	23:45:18	91.515%	0.345	0.287	88.017%	-0.036	-0.047	-0.174	-0.134
3	23:45:59	92.267%	0.281	0.342	88.270%	-0.041	-0.038	-0.091	-0.092
x		91.647%	0.286	0.342	87.963%	-0.039	-0.043	-0.117	-0.086
σ		0.566%	0.057	0.056	0.337%	0.003	0.004	0.049	0.052
%RSD		0.618	19.820	16.280	0.383	7.231	10.450	42.250	60.060

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:44:36	92.797%	2.500	-0.041	-0.061	25.390	26.620	102.155%	105.134%
2	23:45:18	94.482%	2.199	-0.083	-0.077	26.240	26.920	105.292%	107.545%
3	23:45:59	93.444%	1.923	-0.059	-0.061	27.100	27.350	107.147%	108.472%
x		93.574%	2.207	-0.061	-0.066	26.240	26.960	104.865%	107.050%
σ		0.850%	0.289	0.021	0.009	0.855	0.368	2.523%	1.723%
%RSD		0.908	13.070	33.910	13.550	3.257	1.364	2.406	1.610

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:44:36	0.025	0.026	0.939	0.862	0.911	110.281%
2	23:45:18	0.022	0.022	0.834	0.827	0.832	114.239%
3	23:45:59	0.031	0.019	0.848	0.881	0.856	116.484%
x		0.026	0.022	0.874	0.857	0.866	113.668%
σ		0.005	0.004	0.057	0.027	0.040	3.141%
%RSD		17.460	16.020	6.569	3.190	4.651	2.763

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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	23:48:51	66.022%	0.001	2.814	4.249	0.000	40.910	2.699	2.260
2	23:49:33	67.595%	0.013	4.086	4.368	0.000	40.570	2.536	2.074
3	23:50:15	68.224%	0.025	4.038	4.896	0.000	39.190	2.244	2.364
x		67.280%	0.013	3.646	4.504	0.000	40.220	2.493	2.233
σ		1.134%	0.012	0.721	0.345	0.000	0.911	0.231	0.147
%RSD		1.686	90.910	19.770	7.650	0.000	2.266	9.248	6.580

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:48:51	0.787	15.060	0.000	12.400	15.300	18.560	80.729%	0.493
2	23:49:33	0.811	14.170	0.000	11.420	22.120	20.630	81.124%	0.543
3	23:50:15	0.886	14.440	0.000	10.540	13.200	21.000	82.036%	0.660
x		0.828	14.560	0.000	11.450	16.870	20.060	81.297%	0.565
σ		0.052	0.455	0.000	0.931	4.664	1.317	0.671%	0.085
%RSD		6.270	3.125	0.000	8.132	27.640	6.565	0.825	15.110

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:48:51	2.941	2.339	0.416	7.785	6.327	0.051	0.686	1.085
2	23:49:33	1.727	2.361	0.387	2.722	0.031	0.049	0.737	1.086
3	23:50:15	3.168	2.380	0.422	0.869	-1.765	0.046	0.869	1.066
x		2.612	2.360	0.408	3.792	1.531	0.049	0.764	1.079
σ		0.775	0.021	0.018	3.580	4.249	0.002	0.094	0.011
%RSD		29.670	0.872	4.486	94.400	277.500	4.996	12.320	1.058

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:48:51	1.190	6.944	6.389	-0.200	-1.873	-3.292	0.000	0.061
2	23:49:33	1.182	6.507	6.193	-1.381	-3.922	-3.649	0.000	0.047
3	23:50:15	1.082	6.590	6.726	-1.050	-4.116	-5.838	0.000	0.036
x		1.152	6.680	6.436	-0.877	-3.304	-4.260	0.000	0.048
σ		0.060	0.232	0.270	0.609	1.243	1.378	0.000	0.012
%RSD		5.235	3.472	4.190	69.460	37.630	32.350	0.000	25.100

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:48:51	90.865%	0.058	0.066	88.388%	-0.043	-0.045	-0.069	0.002
2	23:49:33	92.091%	0.019	0.065	90.351%	-0.034	-0.042	-0.180	-0.145
3	23:50:15	92.557%	0.073	0.107	90.471%	-0.042	-0.040	-0.201	-0.131
x		91.838%	0.050	0.079	89.737%	-0.040	-0.042	-0.150	-0.091
σ		0.874%	0.028	0.024	1.169%	0.005	0.002	0.071	0.081
%RSD		0.952	55.790	30.320	1.303	13.250	5.756	47.060	88.530

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:48:51	94.145%	1.636	-0.158	-0.159	0.050	0.001	106.903%	107.143%
2	23:49:33	94.783%	2.059	-0.154	-0.165	0.034	0.010	107.398%	109.200%
3	23:50:15	95.623%	2.509	-0.151	-0.153	0.034	0.014	106.667%	108.538%
x		94.850%	2.068	-0.154	-0.159	0.039	0.008	106.989%	108.293%
σ		0.741%	0.437	0.004	0.006	0.009	0.006	0.373%	1.050%
%RSD		0.781	21.130	2.286	3.702	22.290	76.310	0.349	0.970

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:48:51	0.002	0.008	0.022	0.007	0.018	113.642%
2	23:49:33	0.005	0.005	-0.002	0.003	0.009	115.690%
3	23:50:15	0.009	0.003	0.014	0.012	0.017	114.444%
x		0.005	0.006	0.011	0.007	0.015	114.592%
σ		0.004	0.003	0.012	0.004	0.005	1.032%
%RSD		70.140	44.970	106.000	63.020	32.040	0.900

CCV 586960 10/10/2012 11:55:19 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	23:56:01	74.744%	100.000	87.320	82.870	0.000	50830.000	49090.000	49140.000
2	23:56:43	73.739%	101.300	84.870	82.820	0.000	51220.000	49060.000	48990.000
3	23:57:25	72.577%	98.900	87.160	84.720	0.000	51610.000	49210.000	49420.000
x		73.687%	100.058%	86.448%	83.468%	0.000	102.445%	98.243%	98.368%
σ		1.085%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.472	1.181	1.587	1.294	0.000	0.765	0.156	0.446

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:56:01	480.200	5157.000	0.000	48880.000	47290.000	48250.000	91.326%	94.910
2	23:56:43	480.800	4820.000	0.000	48930.000	47620.000	46840.000	91.593%	95.850
3	23:57:25	486.100	5176.000	0.000	49170.000	47400.000	48370.000	92.004%	96.390
x		96.471%	101.024%	0.000	97.986%	94.873%	95.641%	91.641%	95.720%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.341%	n/a
%RSD		0.672	3.971	0.000	0.308	0.363	1.785	0.373	0.782

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:56:01	95.110	98.100	490.400	25390.000	25230.000	98.390	98.320	96.140
2	23:56:43	96.520	97.960	491.700	25440.000	25420.000	98.930	99.500	96.660
3	23:57:25	96.090	99.140	493.200	25390.000	25320.000	98.560	97.980	96.010
x		95.907%	98.398%	98.349%	101.622%	101.301%	98.628%	98.599%	96.272%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.758	0.656	0.281	0.135	0.370	0.283	0.813	0.356

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:56:01	97.980	104.500	101.400	96.100	95.260	97.780	0.000	94.470
2	23:56:43	98.210	104.800	105.300	95.430	92.340	96.800	0.000	93.610
3	23:57:25	96.750	104.300	104.000	94.860	89.140	96.550	0.000	93.430
x		97.647%	104.574%	103.547%	95.463%	92.245%	97.044%	0.000	93.835%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.804	0.240	1.905	0.652	3.323	0.670	0.000	0.594

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:56:01	94.260%	93.560	96.920	91.526%	97.430	96.160	97.900	96.660
2	23:56:43	95.834%	95.560	100.500	92.599%	97.160	95.920	98.160	95.930
3	23:57:25	96.431%	97.560	100.100	93.109%	97.510	95.440	97.050	95.970
x		95.508%	95.561%	99.197%	92.411%	97.367%	95.842%	97.704%	96.186%
σ		1.121%	n/a	n/a	0.808%	n/a	n/a	n/a	n/a
%RSD		1.174	2.097	1.997	0.874	0.187	0.381	0.593	0.424

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:56:01	94.187%	97.580	97.950	96.800	93.170	94.080	101.684%	104.124%
2	23:56:43	96.224%	96.300	97.350	97.200	92.020	91.660	103.732%	106.121%
3	23:57:25	96.542%	95.150	97.280	97.980	92.850	92.290	106.002%	107.212%
x		95.651%	96.344%	97.528%	97.325%	92.682%	92.676%	103.806%	105.819%
σ		1.278%	n/a	n/a	n/a	n/a	n/a	2.160%	1.566%
%RSD		1.336	1.263	0.374	0.618	0.637	1.355	2.081	1.480

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:56:01	101.900	101.100	102.100	101.900	102.400	105.977%
2	23:56:43	101.100	100.700	102.800	102.500	102.800	108.282%
3	23:57:25	102.000	101.900	102.500	103.500	103.000	108.929%
x		101.690%	101.233%	102.492%	102.636%	102.752%	107.729%
σ		n/a	n/a	n/a	n/a	n/a	1.552%
%RSD		0.504	0.635	0.348	0.808	0.290	1.440

CCB9 10/11/2012 12:02:31 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	00:03:13	96.243%	-0.002	1.351	0.700	0.000	33.970	21.790	20.360
2	00:03:54	95.673%	0.016	0.834	0.880	0.000	27.150	16.130	14.940
3	00:04:36	92.696%	0.018	0.740	0.941	0.000	23.110	11.810	11.210
x		94.870%	0.011	0.975	0.840	0.000	28.080	16.570	15.500
σ		1.905%	0.011	0.329	0.126	0.000	5.488	5.003	4.602
%RSD		2.008	102.000	33.720	14.950	0.000	19.550	30.180	29.690

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:03:13	9.147	0.895	0.000	18.910	23.750	23.560	108.128%	0.059
2	00:03:54	8.853	0.268	0.000	9.029	25.010	19.740	108.301%	-0.062
3	00:04:36	8.194	-0.161	0.000	6.742	26.600	16.310	107.506%	-0.008
x		8.731	0.334	0.000	11.560	25.120	19.870	107.978%	-0.004
σ		0.488	0.531	0.000	6.466	1.432	3.625	0.418%	0.061
%RSD		5.589	159.000	0.000	55.940	5.700	18.240	0.387	1664.000

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:03:13	0.073	0.032	0.512	14.370	17.750	0.050	0.122	0.264
2	00:03:54	0.118	0.020	0.389	7.057	9.559	0.032	0.089	0.173
3	00:04:36	0.032	-0.003	0.310	3.971	6.351	0.031	0.029	0.188
x		0.075	0.016	0.404	8.466	11.220	0.038	0.080	0.208
σ		0.043	0.018	0.102	5.340	5.879	0.011	0.047	0.049
%RSD		57.550	108.000	25.230	63.080	52.390	28.590	59.100	23.400

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:03:13	0.173	3.239	3.099	-0.245	-0.447	-0.694	0.000	0.200
2	00:03:54	0.128	2.818	2.994	-0.440	-1.445	-1.248	0.000	0.144
3	00:04:36	0.180	2.622	2.305	-0.519	-2.079	-2.006	0.000	0.100
x		0.160	2.893	2.799	-0.401	-1.323	-1.316	0.000	0.148
σ		0.028	0.315	0.431	0.141	0.823	0.658	0.000	0.050
%RSD		17.430	10.890	15.410	35.190	62.160	50.030	0.000	33.700

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:03:13	98.011%	0.479	0.433	97.814%	0.006	0.007	0.087	0.072
2	00:03:54	99.733%	0.393	0.429	99.107%	-0.015	-0.007	-0.041	-0.014
3	00:04:36	100.460%	0.254	0.327	99.643%	-0.004	-0.017	-0.029	0.007
x		99.401%	0.376	0.396	98.855%	-0.004	-0.006	0.006	0.022
σ		1.258%	0.114	0.060	0.941%	0.010	0.012	0.071	0.045
%RSD		1.265	30.220	15.210	0.952	258.500	208.900	1284.000	206.500

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:03:13	98.504%	-0.294	-0.130	-0.113	0.182	0.113	101.946%	103.126%
2	00:03:54	100.289%	-0.540	-0.142	-0.166	0.105	0.101	104.627%	106.462%
3	00:04:36	100.735%	-0.547	-0.156	-0.172	0.090	0.075	105.971%	107.740%
x		99.842%	-0.461	-0.142	-0.150	0.126	0.096	104.181%	105.776%
σ		1.180%	0.144	0.013	0.033	0.049	0.019	2.049%	2.382%
%RSD		1.182	31.290	9.138	21.670	39.150	19.830	1.967	2.252

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:03:13	0.084	0.065	0.061	0.043	0.052	109.935%
2	00:03:54	0.044	0.055	0.036	0.033	0.040	112.922%
3	00:04:36	0.032	0.026	0.048	0.022	0.036	113.679%
x		0.053	0.048	0.048	0.033	0.043	112.179%
σ		0.027	0.020	0.013	0.011	0.008	1.979%
%RSD		50.610	42.030	26.470	32.540	19.660	1.764

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:07:31	65.964%	-0.011	18.920	20.320	0.000	9154.000	3391.000	3406.000
2	00:08:12	65.682%	0.014	18.070	22.750	0.000	9200.000	3435.000	3439.000
3	00:08:54	66.575%	0.064	16.370	22.530	0.000	9211.000	3451.000	3461.000
x		66.074%	0.022	17.790	21.870	0.000	9188.000	3426.000	3436.000
σ		0.457%	0.038	1.301	1.343	0.000	30.550	30.900	27.470
%RSD		0.691	172.400	7.316	6.141	0.000	0.333	0.902	0.800

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:07:31	2.177	6799.000	0.000	1195.000	3398.000	3318.000	79.178%	0.761
2	00:08:12	1.329	6861.000	0.000	1204.000	3410.000	3359.000	80.365%	0.658
3	00:08:54	1.326	6827.000	0.000	1195.000	3503.000	3348.000	81.807%	0.751
x		1.611	6829.000	0.000	1198.000	3437.000	3342.000	80.450%	0.723
σ		0.491	31.270	0.000	4.859	57.220	21.410	1.317%	0.057
%RSD		30.480	0.458	0.000	0.406	1.665	0.641	1.637	7.846

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:07:31	3.391	2.754	4.231	5.939	16.200	0.091	0.362	0.857
2	00:08:12	3.637	2.877	4.133	2.007	10.230	0.093	0.354	0.791
3	00:08:54	4.304	2.787	4.021	1.149	9.422	0.097	0.297	0.759
x		3.778	2.806	4.128	3.032	11.950	0.094	0.338	0.802
σ		0.472	0.064	0.105	2.554	3.704	0.003	0.035	0.050
%RSD		12.500	2.269	2.536	84.250	30.990	3.410	10.440	6.250

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:07:31	0.715	4.719	4.885	0.352	-3.367	-1.762	0.000	53.330
2	00:08:12	0.776	4.717	4.727	-0.036	-3.442	-2.634	0.000	54.440
3	00:08:54	0.727	4.656	4.599	-0.615	-3.327	-3.453	0.000	54.480
x		0.739	4.697	4.737	-0.100	-3.379	-2.616	0.000	54.080
σ		0.033	0.036	0.143	0.486	0.059	0.846	0.000	0.652
%RSD		4.412	0.759	3.022	488.400	1.738	32.310	0.000	1.205

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:07:31	88.660%	0.358	0.402	85.859%	-0.042	-0.038	-0.104	-0.071
2	00:08:12	90.049%	0.266	0.252	86.943%	-0.039	-0.041	-0.005	-0.040
3	00:08:54	91.084%	0.243	0.326	87.909%	-0.038	-0.046	-0.110	-0.062
x		89.931%	0.289	0.327	86.904%	-0.040	-0.041	-0.073	-0.057
σ		1.216%	0.061	0.075	1.025%	0.002	0.004	0.059	0.016
%RSD		1.352	21.100	22.880	1.180	4.536	9.811	80.240	27.400

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:07:31	91.029%	3.448	-0.114	-0.116	15.330	16.020	103.671%	106.034%
2	00:08:12	92.643%	2.916	-0.143	-0.122	15.410	16.630	106.456%	107.582%
3	00:08:54	94.291%	2.558	-0.147	-0.146	16.440	15.900	107.142%	108.478%
x		92.654%	2.974	-0.135	-0.128	15.730	16.180	105.756%	107.365%
σ		1.631%	0.448	0.018	0.016	0.623	0.391	1.838%	1.236%
%RSD		1.761	15.050	13.550	12.580	3.962	2.415	1.738	1.151

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:07:31	0.018	0.023	0.019	0.026	0.027	112.189%
2	00:08:12	0.021	0.021	0.026	0.020	0.021	114.816%
3	00:08:54	0.019	0.008	0.020	0.022	0.020	114.767%
x		0.019	0.017	0.022	0.023	0.022	113.924%
σ		0.002	0.008	0.004	0.003	0.004	1.503%
%RSD		8.112	47.500	16.730	14.730	18.200	1.319

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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	00:11:47	68.472%	0.024	14.470	14.010	0.000	4003.000	5001.000	5031.000
2	00:12:29	67.099%	0.013	14.500	14.500	0.000	3943.000	4956.000	5008.000
3	00:13:11	65.865%	0.001	11.240	13.880	0.000	4017.000	5045.000	5107.000
x		67.145%	0.013	13.400	14.130	0.000	3988.000	5001.000	5048.000
σ		1.304%	0.012	1.872	0.330	0.000	39.310	44.630	51.710
%RSD		1.942	88.940	13.970	2.334	0.000	0.986	0.893	1.024

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:11:47	1.842	5040.000	0.000	1627.000	6446.000	6102.000	80.898%	0.654
2	00:12:29	1.889	4770.000	0.000	1611.000	6394.000	6141.000	80.390%	0.946
3	00:13:11	1.814	5027.000	0.000	1642.000	6597.000	6214.000	78.885%	1.002
x		1.849	4946.000	0.000	1627.000	6479.000	6152.000	80.058%	0.867
σ		0.038	152.200	0.000	15.790	105.200	56.700	1.047%	0.187
%RSD		2.051	3.076	0.000	0.970	1.624	0.922	1.308	21.590

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:11:47	3.606	2.209	508.100	331.800	349.800	6.001	0.700	0.416
2	00:12:29	3.552	2.005	510.900	331.700	354.400	6.023	0.788	0.422
3	00:13:11	4.580	2.076	517.200	335.600	359.700	5.958	0.811	0.395
x		3.913	2.096	512.100	333.000	354.700	5.994	0.766	0.411
σ		0.578	0.104	4.653	2.233	4.958	0.033	0.059	0.014
%RSD		14.780	4.938	0.909	0.671	1.398	0.547	7.684	3.376

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:11:47	0.429	4.501	4.560	0.140	-3.042	-2.713	0.000	47.730
2	00:12:29	0.312	4.838	4.626	0.775	-3.491	-2.907	0.000	48.180
3	00:13:11	0.324	4.380	5.067	0.519	-4.173	-4.060	0.000	47.750
x		0.355	4.573	4.751	0.478	-3.568	-3.227	0.000	47.890
σ		0.064	0.237	0.276	0.319	0.570	0.728	0.000	0.250
%RSD		18.170	5.186	5.809	66.790	15.960	22.560	0.000	0.521

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:11:47	89.129%	0.212	0.219	86.821%	-0.039	-0.038	-0.044	0.031
2	00:12:29	89.311%	0.099	0.166	86.482%	-0.038	-0.037	-0.028	-0.008
3	00:13:11	89.783%	0.102	0.175	86.385%	-0.034	-0.042	0.003	0.034
x		89.407%	0.137	0.187	86.563%	-0.037	-0.039	-0.023	0.019
σ		0.337%	0.064	0.028	0.229%	0.003	0.003	0.024	0.023
%RSD		0.377	46.780	15.130	0.265	7.029	7.010	103.100	121.200

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:11:47	91.915%	2.242	-0.163	-0.133	10.090	9.990	102.185%	104.301%
2	00:12:29	91.601%	2.062	-0.152	-0.152	9.959	10.470	103.676%	106.481%
3	00:13:11	92.545%	1.454	-0.127	-0.155	10.090	10.270	105.630%	107.462%
x		92.020%	1.919	-0.147	-0.147	10.050	10.250	103.830%	106.081%
σ		0.481%	0.413	0.019	0.012	0.075	0.243	1.728%	1.618%
%RSD		0.523	21.510	12.640	8.088	0.748	2.370	1.664	1.525

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:11:47	0.055	0.063	0.022	0.017	0.020	106.624%
2	00:12:29	0.070	0.069	0.028	0.014	0.020	109.503%
3	00:13:11	0.082	0.064	0.006	0.013	0.023	111.657%
x		0.069	0.065	0.019	0.014	0.021	109.261%
σ		0.013	0.003	0.012	0.002	0.002	2.525%
%RSD		19.520	5.061	63.350	14.610	9.313	2.311

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:16:04	62.907%	-0.024	22.800	25.910	0.000	23580.000	8924.000	8953.000
2	00:16:46	63.359%	0.003	25.590	24.520	0.000	23510.000	8900.000	9033.000
3	00:17:28	63.567%	0.016	25.010	25.650	0.000	23850.000	9058.000	9079.000
x		63.278%	-0.002	24.470	25.360	0.000	23650.000	8961.000	9021.000
σ		0.337%	0.020	1.469	0.741	0.000	178.400	85.210	63.670
%RSD		0.533	1216.000	6.002	2.923	0.000	0.755	0.951	0.706

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:16:04	1.285	7081.000	0.000	1768.000	7974.000	7623.000	78.125%	1.069
2	00:16:46	1.376	6993.000	0.000	1772.000	8062.000	7708.000	78.699%	0.950
3	00:17:28	1.365	7147.000	0.000	1799.000	8108.000	7787.000	78.609%	0.619
x		1.342	7074.000	0.000	1780.000	8048.000	7706.000	78.478%	0.879
σ		0.050	76.930	0.000	16.690	68.160	81.970	0.309%	0.233
%RSD		3.692	1.088	0.000	0.938	0.847	1.064	0.393	26.490

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:16:04	1.835	2.745	0.860	-0.673	22.150	0.035	0.964	0.713
2	00:16:46	3.569	2.564	0.817	-2.386	21.980	0.031	0.845	0.672
3	00:17:28	3.987	2.721	0.820	-0.731	20.290	0.034	0.863	0.713
x		3.131	2.677	0.833	-1.263	21.470	0.033	0.891	0.699
σ		1.141	0.098	0.024	0.973	1.025	0.002	0.064	0.024
%RSD		36.450	3.665	2.892	76.990	4.775	6.538	7.162	3.373

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:16:04	0.581	7.853	7.157	-0.559	-4.654	-3.317	0.000	101.300
2	00:16:46	0.695	8.161	8.494	-0.136	-3.917	-3.791	0.000	102.100
3	00:17:28	0.582	7.942	7.586	0.047	-3.510	-3.104	0.000	101.400
x		0.619	7.985	7.746	-0.216	-4.027	-3.404	0.000	101.600
σ		0.066	0.159	0.683	0.311	0.580	0.352	0.000	0.458
%RSD		10.630	1.988	8.819	143.900	14.390	10.340	0.000	0.451

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:16:04	88.447%	0.090	0.088	84.712%	-0.037	-0.046	-0.068	-0.013
2	00:16:46	89.199%	0.138	0.108	85.373%	-0.035	-0.043	-0.170	-0.092
3	00:17:28	90.792%	0.107	0.151	87.701%	-0.038	-0.046	-0.152	-0.094
x		89.480%	0.112	0.116	85.929%	-0.037	-0.045	-0.130	-0.066
σ		1.197%	0.024	0.032	1.570%	0.001	0.002	0.055	0.046
%RSD		1.338	21.740	28.090	1.827	3.805	3.408	42.010	70.150

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:16:04	91.683%	1.201	-0.140	-0.176	13.580	13.310	104.642%	106.979%
2	00:16:46	92.551%	1.237	-0.146	-0.176	13.450	13.580	107.276%	108.955%
3	00:17:28	94.577%	1.594	-0.151	-0.183	13.120	13.430	108.158%	110.076%
x		92.937%	1.344	-0.146	-0.178	13.380	13.440	106.692%	108.670%
σ		1.485%	0.217	0.005	0.004	0.239	0.134	1.829%	1.568%
%RSD		1.598	16.170	3.525	2.428	1.786	1.000	1.715	1.443

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:16:04	0.014	0.015	0.027	0.000	0.017	112.195%
2	00:16:46	0.009	0.011	-0.003	-0.000	0.011	114.709%
3	00:17:28	0.022	0.014	0.012	-0.004	0.013	114.542%
x		0.015	0.014	0.012	-0.001	0.014	113.815%
σ		0.007	0.002	0.015	0.002	0.003	1.406%
%RSD		44.670	15.420	124.500	179.400	22.210	1.235

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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	00:20:20	71.161%	0.046	19.570	19.090	0.000	8420.000	2913.000	2910.000
2	00:21:02	69.654%	0.023	16.560	18.720	0.000	8408.000	2921.000	2946.000
3	00:21:43	68.755%	0.012	15.780	17.240	0.000	8487.000	2933.000	2959.000
x		69.857%	0.027	17.300	18.350	0.000	8438.000	2922.000	2938.000
σ		1.216%	0.017	2.002	0.977	0.000	42.470	10.100	25.620
%RSD		1.740	63.720	11.570	5.325	0.000	0.503	0.346	0.872

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:20:20	1.983	7161.000	0.000	1155.000	3034.000	2962.000	83.440%	0.682
2	00:21:02	1.817	7140.000	0.000	1153.000	3118.000	2956.000	83.437%	0.751
3	00:21:43	2.036	7163.000	0.000	1167.000	3074.000	2983.000	82.850%	0.792
x		1.945	7154.000	0.000	1159.000	3075.000	2967.000	83.242%	0.742
σ		0.114	12.770	0.000	7.737	41.770	13.990	0.340%	0.055
%RSD		5.882	0.179	0.000	0.668	1.358	0.472	0.408	7.481

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:20:20	5.063	2.856	1.927	5.658	11.360	0.137	1.483	1.050
2	00:21:02	4.838	2.628	1.927	3.797	8.148	0.156	1.577	1.115
3	00:21:43	5.007	2.834	1.957	3.294	7.927	0.153	1.517	1.048
x		4.969	2.773	1.937	4.249	9.144	0.149	1.526	1.071
σ		0.117	0.126	0.017	1.245	1.919	0.010	0.048	0.038
%RSD		2.357	4.541	0.887	29.300	20.990	6.908	3.121	3.557

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:20:20	1.050	7.625	8.522	-0.077	-4.216	-2.591	0.000	44.520
2	00:21:02	1.157	7.869	8.008	-0.488	-4.365	-2.928	0.000	44.510
3	00:21:43	1.005	7.813	7.728	-0.180	-4.164	-3.727	0.000	44.480
x		1.071	7.769	8.086	-0.248	-4.248	-3.082	0.000	44.500
σ		0.078	0.128	0.403	0.214	0.104	0.583	0.000	0.022
%RSD		7.285	1.641	4.982	86.210	2.457	18.930	0.000	0.049

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:20:20	91.956%	0.067	0.096	89.123%	-0.041	-0.038	-0.101	-0.062
2	00:21:02	92.682%	0.044	0.070	90.154%	-0.041	-0.042	-0.034	-0.013
3	00:21:43	93.413%	0.033	0.054	89.481%	-0.040	-0.043	-0.149	-0.096
x		92.684%	0.048	0.073	89.586%	-0.040	-0.041	-0.095	-0.057
σ		0.729%	0.018	0.021	0.523%	0.001	0.003	0.058	0.042
%RSD		0.786	36.440	28.770	0.584	1.707	6.604	61.480	73.360

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:20:20	92.633%	1.841	-0.157	-0.199	11.790	12.680	103.543%	105.506%
2	00:21:02	95.138%	1.589	-0.170	-0.181	12.680	12.540	105.605%	108.297%
3	00:21:43	95.241%	1.221	-0.154	-0.178	12.000	12.430	107.073%	109.260%
x		94.337%	1.550	-0.160	-0.186	12.160	12.550	105.407%	107.688%
σ		1.477%	0.312	0.008	0.011	0.466	0.125	1.773%	1.950%
%RSD		1.566	20.110	5.133	6.142	3.833	0.996	1.682	1.811

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:20:20	0.016	0.013	0.046	0.049	0.041	109.378%
2	00:21:02	0.004	0.018	0.048	0.058	0.052	113.169%
3	00:21:43	0.001	0.013	0.038	0.040	0.048	114.610%
x		0.007	0.015	0.044	0.049	0.047	112.386%
σ		0.008	0.003	0.005	0.009	0.006	2.703%
%RSD		108.700	22.690	12.110	18.340	11.920	2.405

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:24:34	64.334%	-0.024	11.920	13.440	0.000	5197.000	5387.000	5459.000
2	00:25:16	63.644%	0.003	10.260	13.140	0.000	5223.000	5440.000	5526.000
3	00:25:58	63.347%	0.016	11.530	13.300	0.000	5233.000	5427.000	5475.000
x		63.775%	-0.002	11.240	13.300	0.000	5218.000	5418.000	5487.000
σ		0.506%	0.020	0.867	0.149	0.000	18.770	27.730	35.450
%RSD		0.794	1149.000	7.713	1.118	0.000	0.360	0.512	0.646

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:24:34	1.528	4716.000	0.000	1146.000	9619.000	9166.000	79.779%	0.573
2	00:25:16	1.478	4752.000	0.000	1157.000	9422.000	9226.000	79.243%	0.650
3	00:25:58	1.477	4711.000	0.000	1149.000	9612.000	9229.000	79.400%	0.503
x		1.494	4726.000	0.000	1151.000	9551.000	9207.000	79.474%	0.575
σ		0.029	22.370	0.000	5.646	111.900	35.900	0.276%	0.074
%RSD		1.945	0.473	0.000	0.491	1.172	0.390	0.347	12.790

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:24:34	5.564	7.671	0.383	39.480	66.570	0.026	0.030	0.297
2	00:25:16	4.191	7.408	0.386	37.000	63.410	0.019	0.033	0.365
3	00:25:58	3.789	7.160	0.378	36.280	61.810	0.040	0.066	0.290
x		4.515	7.413	0.382	37.590	63.930	0.028	0.043	0.317
σ		0.930	0.255	0.004	1.679	2.420	0.011	0.020	0.041
%RSD		20.610	3.442	1.124	4.467	3.785	38.740	47.070	13.040

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:24:34	0.228	4.766	4.420	0.227	-3.978	-3.743	0.000	55.730
2	00:25:16	0.325	4.584	4.245	-1.017	-3.559	-5.229	0.000	54.630
3	00:25:58	0.290	4.315	4.198	0.070	-4.112	-3.039	0.000	55.440
x		0.281	4.555	4.288	-0.240	-3.883	-4.004	0.000	55.260
σ		0.049	0.227	0.117	0.678	0.289	1.118	0.000	0.569
%RSD		17.540	4.982	2.735	282.500	7.437	27.920	0.000	1.030

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:24:34	90.562%	0.108	0.061	86.621%	-0.042	-0.048	-0.075	-0.009
2	00:25:16	92.109%	-0.016	0.059	87.752%	-0.043	-0.038	-0.144	-0.137
3	00:25:58	91.667%	0.025	0.085	87.133%	-0.042	-0.045	-0.128	-0.046
x		91.446%	0.039	0.068	87.168%	-0.042	-0.044	-0.116	-0.064
σ		0.797%	0.063	0.015	0.566%	0.001	0.005	0.036	0.066
%RSD		0.871	163.300	21.250	0.650	1.779	11.620	31.160	102.400

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:24:34	93.535%	0.424	-0.171	-0.177	6.723	6.447	106.382%	108.069%
2	00:25:16	95.674%	0.484	-0.159	-0.166	6.646	6.465	109.327%	110.489%
3	00:25:58	94.832%	0.528	-0.167	-0.194	6.799	6.864	108.706%	111.340%
x		94.680%	0.479	-0.165	-0.179	6.723	6.592	108.138%	109.966%
σ		1.078%	0.052	0.006	0.014	0.076	0.236	1.553%	1.697%
%RSD		1.138	10.820	3.474	7.874	1.137	3.578	1.436	1.543

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:24:34	0.006	0.004	-0.002	-0.003	0.000	110.701%
2	00:25:16	-0.002	0.003	0.005	-0.012	0.003	113.473%
3	00:25:58	-0.003	0.002	0.005	-0.002	0.000	113.683%
x		0.000	0.003	0.003	-0.005	0.001	112.619%
σ		0.005	0.001	0.004	0.006	0.001	1.664%
%RSD		4194.000	24.930	154.800	102.900	134.800	1.478

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:28:49	72.362%	0.033	2.864	3.027	0.000	1045.000	1078.000	1085.000
2	00:29:30	71.510%	0.010	2.269	2.948	0.000	1046.000	1081.000	1087.000
3	00:30:12	71.223%	-0.025	1.766	2.744	0.000	1017.000	1069.000	1063.000
x		71.698%	0.006	2.300	2.907	0.000	1036.000	1076.000	1078.000
σ		0.592%	0.029	0.550	0.146	0.000	15.950	6.242	13.300
%RSD		0.826	495.400	23.920	5.023	0.000	1.540	0.580	1.233

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:28:49	0.506	922.400	0.000	219.200	1992.000	1798.000	87.102%	0.117
2	00:29:30	0.462	913.900	0.000	218.900	1883.000	1844.000	86.521%	-0.066
3	00:30:12	0.334	888.800	0.000	219.000	1843.000	1772.000	87.162%	-0.000
x		0.434	908.400	0.000	219.100	1906.000	1805.000	86.929%	0.017
σ		0.089	17.460	0.000	0.140	76.800	36.650	0.354%	0.093
%RSD		20.550	1.922	0.000	0.064	4.029	2.031	0.408	551.800

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:28:49	1.394	1.641	0.184	11.110	9.348	0.001	0.057	0.107
2	00:29:30	1.517	1.524	0.143	10.130	8.340	0.007	0.004	0.043
3	00:30:12	2.071	1.426	0.099	8.677	6.676	0.006	0.008	0.030
x		1.661	1.531	0.142	9.972	8.122	0.005	0.023	0.060
σ		0.361	0.108	0.043	1.224	1.350	0.003	0.029	0.041
%RSD		21.730	7.036	29.970	12.270	16.620	66.860	125.600	68.730

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:28:49	0.053	1.961	1.793	-0.561	-1.691	-3.531	0.000	11.290
2	00:29:30	0.039	1.810	1.818	-1.017	-2.832	-4.886	0.000	11.170
3	00:30:12	0.041	1.612	1.545	-0.314	-2.914	-1.930	0.000	11.090
x		0.044	1.795	1.718	-0.631	-2.479	-3.449	0.000	11.180
σ		0.008	0.175	0.151	0.357	0.684	1.479	0.000	0.103
%RSD		17.040	9.749	8.799	56.530	27.580	42.890	0.000	0.916

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:28:49	94.994%	-0.052	0.031	92.995%	-0.034	-0.040	-0.104	-0.082
2	00:29:30	95.302%	0.008	-0.008	93.015%	-0.043	-0.040	-0.060	-0.062
3	00:30:12	95.261%	0.008	0.009	93.340%	-0.043	-0.041	-0.107	-0.054
x		95.186%	-0.012	0.010	93.117%	-0.040	-0.040	-0.091	-0.066
σ		0.167%	0.034	0.020	0.194%	0.005	0.001	0.026	0.015
%RSD		0.175	293.800	190.500	0.208	13.500	1.825	29.110	22.050

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:28:49	97.240%	0.668	-0.206	-0.218	1.337	1.414	105.112%	107.537%
2	00:29:30	96.663%	0.870	-0.189	-0.208	1.372	1.330	106.317%	108.346%
3	00:30:12	97.778%	0.628	-0.192	-0.204	1.191	1.363	107.201%	109.378%
x		97.227%	0.722	-0.196	-0.210	1.300	1.369	106.210%	108.420%
σ		0.557%	0.130	0.009	0.007	0.096	0.042	1.049%	0.923%
%RSD		0.573	17.990	4.609	3.396	7.370	3.085	0.988	0.852

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:28:49	-0.007	-0.004	-0.000	-0.004	0.001	104.014%
2	00:29:30	-0.006	-0.006	-0.005	-0.003	-0.001	105.120%
3	00:30:12	-0.001	-0.004	-0.011	0.000	-0.003	106.488%
x		-0.005	-0.005	-0.005	-0.002	-0.001	105.207%
σ		0.003	0.001	0.005	0.002	0.002	1.239%
%RSD		67.040	26.160	95.630	103.400	186.200	1.178

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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	00:33:03	61.923%	43.990	787.200	821.700	0.000	54660.000	51160.000	52130.000
2	00:33:45	61.694%	44.780	784.600	807.000	0.000	55050.000	51280.000	51960.000
3	00:34:27	60.589%	45.110	780.300	825.500	0.000	55970.000	52170.000	53150.000
x		61.402%	44.630	784.000	818.100	0.000	55230.000	51530.000	52410.000
σ		0.713%	0.576	3.519	9.791	0.000	673.500	554.300	642.500
%RSD		1.161	1.290	0.449	1.197	0.000	1.220	1.076	1.226

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:33:03	1854.000	13120.000	0.000	47590.000	55280.000	55240.000	77.637%	939.600
2	00:33:45	1858.000	13030.000	0.000	48260.000	56350.000	57780.000	77.039%	945.300
3	00:34:27	1898.000	13260.000	0.000	48820.000	56310.000	58350.000	76.699%	961.400
x		1870.000	13140.000	0.000	48220.000	55980.000	57130.000	77.125%	948.800
σ		24.020	113.800	0.000	614.000	607.600	1657.000	0.475%	11.310
%RSD		1.284	0.866	0.000	1.273	1.085	2.900	0.616	1.192

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:33:03	484.200	200.800	492.100	1042.000	1189.000	501.100	478.700	228.500
2	00:33:45	487.100	204.000	502.400	1054.000	1201.000	507.200	483.500	229.200
3	00:34:27	492.000	203.300	505.600	1066.000	1214.000	506.200	484.900	231.100
x		487.800	202.700	500.000	1054.000	1201.000	504.800	482.300	229.600
σ		3.935	1.646	7.066	11.710	12.470	3.255	3.249	1.368
%RSD		0.807	0.812	1.413	1.111	1.038	0.645	0.674	0.596

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:33:03	242.800	510.000	510.300	36.570	6.792	8.162	0.000	1052.000
2	00:33:45	245.200	516.600	515.600	36.560	7.009	8.572	0.000	1060.000
3	00:34:27	244.900	518.300	515.100	35.990	6.175	8.734	0.000	1055.000
x		244.300	515.000	513.700	36.370	6.659	8.489	0.000	1056.000
σ		1.319	4.360	2.925	0.328	0.432	0.295	0.000	4.072
%RSD		0.540	0.847	0.569	0.903	6.494	3.475	0.000	0.386

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:33:03	80.915%	987.300	1049.000	81.457%	49.100	46.570	48.060	41.840
2	00:33:45	81.602%	999.600	1063.000	82.049%	49.060	46.330	48.660	43.150
3	00:34:27	82.218%	986.700	1058.000	83.035%	48.630	45.850	48.250	41.760
x		81.578%	991.200	1057.000	82.180%	48.930	46.250	48.320	42.250
σ		0.652%	7.312	7.020	0.797%	0.260	0.362	0.305	0.784
%RSD		0.799	0.738	0.664	0.970	0.531	0.783	0.631	1.854

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:33:03	87.949%	1917.000	474.900	482.500	1742.000	1795.000	103.402%	104.953%
2	00:33:45	90.137%	1904.000	472.400	481.500	1732.000	1792.000	105.730%	107.350%
3	00:34:27	91.364%	1901.000	472.300	479.700	1728.000	1791.000	107.155%	108.786%
x		89.817%	1907.000	473.200	481.200	1734.000	1793.000	105.429%	107.030%
σ		1.730%	8.672	1.462	1.427	7.344	2.345	1.894%	1.936%
%RSD		1.926	0.455	0.309	0.297	0.424	0.131	1.797	1.809

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:33:03	48.430	47.550	20.430	20.500	20.520	108.210%
2	00:33:45	48.740	47.800	20.540	20.380	20.500	110.711%
3	00:34:27	48.930	48.130	20.390	20.380	20.510	111.845%
x		48.700	47.830	20.450	20.420	20.510	110.255%
σ		0.250	0.293	0.075	0.070	0.010	1.860%
%RSD		0.514	0.613	0.365	0.342	0.049	1.687

180-14628-C-16-C MSD 10/11/2012 12:36:37 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	00:37:19	66.442%	45.330	819.100	834.000	0.000	54820.000	51770.000	52170.000
2	00:38:01	66.642%	46.810	813.700	827.400	0.000	53860.000	50770.000	51350.000
3	00:38:42	65.836%	45.940	838.700	842.000	0.000	54890.000	51690.000	52410.000
x		66.307%	46.030	823.800	834.500	0.000	54530.000	51410.000	51970.000
σ		0.420%	0.742	13.130	7.289	0.000	575.500	553.800	554.700
%RSD		0.633	1.613	1.593	0.874	0.000	1.055	1.077	1.067

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:37:19	1860.000	13150.000	0.000	48540.000	56000.000	56200.000	79.358%	954.300
2	00:38:01	1851.000	12990.000	0.000	47540.000	55580.000	57060.000	80.236%	936.400
3	00:38:42	1868.000	13110.000	0.000	47840.000	56140.000	56130.000	80.365%	949.800
x		1860.000	13080.000	0.000	47970.000	55910.000	56460.000	79.986%	946.800
σ		8.508	82.700	0.000	513.700	289.200	518.500	0.548%	9.330
%RSD		0.458	0.632	0.000	1.071	0.517	0.918	0.685	0.985

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:37:19	499.800	204.900	503.400	1059.000	1220.000	511.600	493.100	234.800
2	00:38:01	492.400	202.700	496.700	1043.000	1228.000	506.800	484.700	231.000
3	00:38:42	496.100	203.700	498.400	1047.000	1217.000	507.300	485.500	233.600
x		496.100	203.800	499.500	1049.000	1222.000	508.600	487.800	233.100
σ		3.722	1.117	3.475	8.004	5.382	2.661	4.639	1.954
%RSD		0.750	0.548	0.696	0.763	0.441	0.523	0.951	0.838

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:37:19	248.100	513.100	514.200	36.860	6.089	7.598	0.000	1053.000
2	00:38:01	245.500	513.700	509.900	36.200	5.988	7.534	0.000	1054.000
3	00:38:42	245.400	511.000	511.500	36.810	6.678	8.257	0.000	1038.000
x		246.300	512.600	511.800	36.620	6.252	7.797	0.000	1048.000
σ		1.538	1.426	2.164	0.367	0.373	0.400	0.000	8.771
%RSD		0.624	0.278	0.423	1.003	5.968	5.133	0.000	0.837

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:37:19	82.396%	991.700	1046.000	83.763%	48.980	46.400	49.150	41.360
2	00:38:01	83.329%	997.000	1054.000	84.600%	48.810	46.990	48.340	41.340
3	00:38:42	82.882%	996.100	1054.000	84.473%	48.740	46.410	48.440	41.300
x		82.869%	994.900	1052.000	84.279%	48.840	46.600	48.640	41.340
σ		0.467%	2.817	4.684	0.451%	0.121	0.339	0.446	0.033
%RSD		0.563	0.283	0.445	0.535	0.248	0.728	0.917	0.079

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:37:19	90.225%	1911.000	470.500	479.000	1733.000	1788.000	102.885%	105.616%
2	00:38:01	90.620%	1925.000	471.900	479.100	1741.000	1790.000	104.078%	106.746%
3	00:38:42	91.090%	1917.000	470.800	478.800	1742.000	1793.000	104.551%	107.152%
x		90.645%	1918.000	471.100	479.000	1739.000	1790.000	103.838%	106.505%
σ		0.433%	6.955	0.726	0.129	5.066	2.799	0.859%	0.796%
%RSD		0.478	0.363	0.154	0.027	0.291	0.156	0.827	0.747

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:37:19	49.750	49.230	21.110	21.000	21.030	105.651%
2	00:38:01	49.810	49.450	20.450	21.060	20.750	107.409%
3	00:38:42	50.200	49.440	20.790	20.870	20.890	106.919%
x		49.920	49.370	20.780	20.980	20.890	106.660%
σ		0.244	0.123	0.329	0.094	0.143	0.907%
%RSD		0.489	0.250	1.584	0.450	0.684	0.851

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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	00:41:34	65.007%	0.028	22.710	25.780	0.000	4059.000	4923.000	4986.000
2	00:42:16	62.848%	0.030	22.750	23.580	0.000	4141.000	5014.000	5061.000
3	00:42:58	61.828%	0.031	22.290	21.510	0.000	4130.000	4990.000	5063.000
x		63.228%	0.029	22.580	23.620	0.000	4110.000	4976.000	5037.000
σ		1.623%	0.002	0.255	2.135	0.000	44.350	47.260	44.360
%RSD		2.567	5.432	1.130	9.040	0.000	1.079	0.950	0.881

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:41:34	3.248	5081.000	0.000	1243.000	7473.000	7057.000	79.167%	1.675
2	00:42:16	3.045	5303.000	0.000	1257.000	7240.000	7061.000	78.416%	1.156
3	00:42:58	2.963	5090.000	0.000	1257.000	7458.000	7176.000	78.736%	0.655
x		3.085	5158.000	0.000	1252.000	7391.000	7098.000	78.773%	1.162
σ		0.147	125.900	0.000	7.872	130.400	67.580	0.377%	0.510
%RSD		4.759	2.442	0.000	0.629	1.764	0.952	0.478	43.890

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:41:34	3.180	2.401	967.600	90.730	111.100	0.708	1.028	0.852
2	00:42:16	3.933	2.280	977.700	88.170	115.100	0.598	1.216	0.786
3	00:42:58	3.312	2.136	977.000	87.480	113.600	0.673	0.945	0.794
x		3.475	2.272	974.100	88.790	113.300	0.660	1.063	0.811
σ		0.402	0.133	5.620	1.709	1.998	0.056	0.139	0.036
%RSD		11.560	5.845	0.577	1.925	1.764	8.481	13.090	4.451

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:41:34	0.858	8.174	8.279	1.022	-4.328	-2.290	0.000	50.590
2	00:42:16	0.923	8.117	7.928	0.494	-3.501	-2.854	0.000	50.650
3	00:42:58	0.753	7.525	7.777	0.124	-4.335	-2.491	0.000	50.750
x		0.845	7.939	7.995	0.546	-4.054	-2.545	0.000	50.670
σ		0.086	0.359	0.258	0.451	0.479	0.286	0.000	0.081
%RSD		10.150	4.523	3.224	82.610	11.820	11.230	0.000	0.161

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:41:34	88.883%	4.916	5.300	85.141%	-0.026	-0.023	0.040	-0.007
2	00:42:16	89.825%	2.817	2.933	85.590%	-0.021	-0.038	0.043	0.094
3	00:42:58	89.677%	1.735	1.891	85.580%	-0.022	-0.042	0.087	0.049
x		89.462%	3.156	3.375	85.437%	-0.023	-0.034	0.057	0.045
σ		0.507%	1.617	1.747	0.256%	0.003	0.010	0.026	0.050
%RSD		0.566	51.240	51.770	0.300	12.170	28.330	45.620	111.400

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:41:34	91.337%	10.390	0.007	0.017	6.202	6.412	103.470%	105.404%
2	00:42:16	91.637%	7.612	-0.014	0.003	6.500	6.368	106.164%	107.249%
3	00:42:58	93.591%	5.917	-0.029	-0.018	6.051	6.038	107.601%	109.094%
x		92.188%	7.974	-0.012	0.001	6.251	6.273	105.745%	107.249%
σ		1.224%	2.260	0.018	0.018	0.229	0.204	2.097%	1.845%
%RSD		1.328	28.340	145.700	3341.000	3.657	3.256	1.983	1.721

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:41:34	0.552	0.558	0.077	0.065	0.067	109.656%
2	00:42:16	0.443	0.399	0.071	0.042	0.073	112.516%
3	00:42:58	0.312	0.300	0.058	0.071	0.070	114.119%
x		0.435	0.419	0.069	0.059	0.070	112.097%
σ		0.120	0.130	0.010	0.016	0.003	2.260%
%RSD		27.600	31.080	14.460	26.230	3.966	2.016

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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	00:45:51	65.544%	0.053	21.200	22.020	0.000	5123.000	2474.000	2487.000
2	00:46:32	65.947%	0.014	18.170	20.770	0.000	5077.000	2498.000	2512.000
3	00:47:14	66.005%	0.001	19.030	20.050	0.000	5134.000	2498.000	2512.000
x		65.832%	0.023	19.470	20.950	0.000	5111.000	2490.000	2504.000
σ		0.251%	0.027	1.562	0.997	0.000	30.260	13.970	14.220
%RSD		0.381	118.200	8.021	4.760	0.000	0.592	0.561	0.568

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:45:51	2.603	4991.000	0.000	1877.000	5456.000	5441.000	79.297%	1.563
2	00:46:32	2.415	5064.000	0.000	1913.000	5519.000	5503.000	78.933%	1.423
3	00:47:14	2.799	5070.000	0.000	1915.000	5681.000	5505.000	79.995%	1.096
x		2.606	5041.000	0.000	1901.000	5552.000	5483.000	79.408%	1.361
σ		0.192	43.900	0.000	21.590	116.100	36.180	0.540%	0.240
%RSD		7.369	0.871	0.000	1.135	2.091	0.660	0.679	17.620

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:45:51	0.733	1.412	1528.000	29930.000	30210.000	3.459	0.277	0.496
2	00:46:32	1.107	1.356	1554.000	30190.000	30600.000	3.406	0.417	0.537
3	00:47:14	1.590	1.488	1531.000	30040.000	30520.000	3.516	0.422	0.548
x		1.143	1.419	1538.000	30050.000	30440.000	3.460	0.372	0.527
σ		0.429	0.066	14.050	135.300	206.500	0.055	0.082	0.028
%RSD		37.570	4.683	0.914	0.450	0.678	1.579	22.120	5.273

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:45:51	0.469	7.373	7.471	10.700	-2.996	-3.332	0.000	85.110
2	00:46:32	0.484	7.308	7.605	9.706	-3.254	-4.758	0.000	86.090
3	00:47:14	0.557	7.200	7.102	11.090	-4.112	-3.977	0.000	86.650
x		0.504	7.294	7.393	10.500	-3.454	-4.022	0.000	85.950
σ		0.047	0.087	0.261	0.712	0.584	0.714	0.000	0.782
%RSD		9.382	1.196	3.526	6.784	16.920	17.750	0.000	0.910

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:45:51	88.783%	2.009	1.963	85.463%	-0.034	-0.033	0.013	-0.013
2	00:46:32	89.563%	1.760	1.921	86.702%	-0.027	-0.029	-0.167	-0.091
3	00:47:14	89.926%	1.661	1.974	86.856%	-0.036	-0.035	-0.111	-0.081
x		89.424%	1.810	1.953	86.340%	-0.032	-0.032	-0.088	-0.062
σ		0.584%	0.180	0.028	0.764%	0.005	0.003	0.092	0.043
%RSD		0.653	9.919	1.420	0.884	14.640	10.060	104.300	69.310

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:45:51	91.024%	4.925	-0.063	-0.079	14.010	14.710	102.508%	104.970%
2	00:46:32	92.438%	4.841	-0.086	-0.073	13.670	14.280	103.813%	106.483%
3	00:47:14	92.586%	4.691	-0.025	-0.013	13.710	14.880	104.673%	107.033%
x		92.016%	4.819	-0.058	-0.055	13.790	14.620	103.665%	106.162%
σ		0.862%	0.119	0.031	0.037	0.188	0.310	1.090%	1.068%
%RSD		0.937	2.463	52.730	66.050	1.361	2.120	1.052	1.006

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:45:51	0.228	0.228	0.035	0.048	0.046	108.557%
2	00:46:32	0.216	0.189	0.045	0.050	0.048	109.865%
3	00:47:14	0.212	0.186	0.031	0.059	0.043	109.921%
x		0.218	0.201	0.037	0.052	0.046	109.448%
σ		0.008	0.023	0.007	0.006	0.003	0.772%
%RSD		3.803	11.630	19.650	11.270	5.685	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	00:53:00	71.264%	104.500	93.920	90.630	0.000	53900.000	51560.000	51780.000
2	00:53:42	72.146%	105.300	91.620	87.830	0.000	53210.000	51050.000	50880.000
3	00:54:23	74.752%	102.900	89.180	90.150	0.000	52650.000	50380.000	50550.000
x		72.720%	104.242%	91.574%	89.537%	0.000	106.508%	101.993%	102.140%
σ		1.814%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		2.494	1.172	2.586	1.673	0.000	1.170	1.153	1.247

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:53:00	509.000	5077.000	0.000	49910.000	48330.000	47380.000	93.985%	97.250
2	00:53:42	500.700	5328.000	0.000	49820.000	48000.000	47740.000	94.320%	96.980
3	00:54:23	498.000	4960.000	0.000	49940.000	48010.000	49150.000	94.610%	97.980
x		100.513%	102.430%	0.000	99.782%	96.225%	96.180%	94.305%	97.402%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.313%	n/a
%RSD		1.148	3.672	0.000	0.123	0.399	1.952	0.331	0.529

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:53:00	96.040	98.800	497.400	25670.000	25690.000	100.200	97.910	96.390
2	00:53:42	96.700	99.080	496.800	25560.000	25550.000	98.830	98.430	96.300
3	00:54:23	98.020	99.940	501.200	25780.000	25820.000	100.300	98.620	97.440
x		96.920%	99.273%	99.694%	102.695%	102.745%	99.779%	98.323%	96.711%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.036	0.600	0.484	0.423	0.519	0.831	0.373	0.657

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:53:00	98.480	105.100	103.000	94.990	95.710	94.510	0.000	94.860
2	00:53:42	98.200	105.500	104.800	95.370	91.270	95.410	0.000	94.700
3	00:54:23	100.500	105.600	107.700	96.770	95.510	95.210	0.000	95.140
x		99.067%	105.403%	105.194%	95.708%	94.161%	95.046%	0.000	94.900%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.281	0.238	2.242	0.982	2.664	0.496	0.000	0.233

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:53:00	97.433%	95.770	100.400	93.228%	99.070	97.770	100.200	97.640
2	00:53:42	98.616%	96.810	100.400	95.046%	98.590	96.900	99.600	98.880
3	00:54:23	98.465%	99.220	103.100	95.463%	99.570	97.330	101.000	97.570
x		98.172%	97.267%	101.285%	94.579%	99.079%	97.330%	100.248%	98.031%
σ		0.644%	n/a	n/a	1.189%	n/a	n/a	n/a	n/a
%RSD		0.656	1.819	1.576	1.257	0.495	0.447	0.701	0.755

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:53:00	96.436%	99.020	99.040	99.260	94.320	96.010	104.721%	106.517%
2	00:53:42	98.109%	98.380	99.110	98.480	95.270	95.140	106.518%	108.230%
3	00:54:23	98.649%	98.000	99.440	99.770	94.880	94.620	105.902%	108.164%
x		97.731%	98.464%	99.197%	99.170%	94.820%	95.257%	105.714%	107.637%
σ		1.154%	n/a	n/a	n/a	n/a	n/a	0.913%	0.970%
%RSD		1.180	0.522	0.218	0.654	0.503	0.739	0.864	0.902

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:53:00	102.300	102.100	103.500	103.500	103.900	108.830%
2	00:53:42	103.100	102.900	104.300	104.100	104.100	109.534%
3	00:54:23	102.800	102.500	104.100	103.000	104.100	109.776%
x		102.736%	102.464%	103.940%	103.539%	104.070%	109.380%
σ		n/a	n/a	n/a	n/a	n/a	0.491%
%RSD		0.392	0.374	0.416	0.488	0.114	0.449

CCB10 10/11/2012 12:59:29 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	01:00:10	94.687%	0.008	1.236	1.680	0.000	41.500	25.570	24.260
2	01:00:52	93.672%	0.062	0.963	1.280	0.000	32.180	19.760	19.570
3	01:01:33	92.843%	-0.001	0.781	1.367	0.000	24.720	12.730	13.420
x		93.734%	0.023	0.993	1.442	0.000	32.800	19.350	19.080
σ		0.924%	0.034	0.229	0.210	0.000	8.410	6.431	5.433
%RSD		0.985	148.600	23.060	14.560	0.000	25.640	33.230	28.470

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:00:10	9.189	2.544	0.000	22.760	28.210	30.270	110.625%	0.082
2	01:00:52	9.095	1.580	0.000	14.220	24.160	23.940	111.550%	0.093
3	01:01:33	8.393	0.193	0.000	6.558	34.130	19.570	112.024%	-0.012
x		8.892	1.439	0.000	14.510	28.830	24.590	111.400%	0.054
σ		0.435	1.182	0.000	8.105	5.013	5.378	0.711%	0.058
%RSD		4.890	82.140	0.000	55.850	17.390	21.870	0.639	106.500

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:00:10	0.135	0.062	0.770	12.820	18.020	0.084	0.238	0.212
2	01:00:52	0.082	0.012	0.594	7.235	9.864	0.060	0.093	0.188
3	01:01:33	0.020	0.008	0.376	1.562	7.551	0.053	0.092	0.193
x		0.079	0.027	0.580	7.207	11.810	0.066	0.141	0.197
σ		0.058	0.031	0.197	5.631	5.502	0.016	0.084	0.013
%RSD		72.930	112.300	33.980	78.130	46.570	24.690	59.500	6.374

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:00:10	0.263	3.290	3.212	-0.477	-2.038	-1.611	0.000	0.289
2	01:00:52	0.250	2.808	2.780	-0.548	-1.817	-1.792	0.000	0.199
3	01:01:33	0.155	2.424	2.328	-0.470	-1.833	-1.623	0.000	0.127
x		0.223	2.841	2.773	-0.498	-1.896	-1.675	0.000	0.205
σ		0.059	0.434	0.442	0.043	0.123	0.101	0.000	0.082
%RSD		26.360	15.280	15.930	8.698	6.499	6.019	0.000	39.760

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:00:10	100.515%	0.572	0.594	99.858%	0.021	0.017	0.006	0.025
2	01:00:52	102.869%	0.440	0.541	102.056%	0.009	-0.004	-0.046	-0.006
3	01:01:33	103.278%	0.361	0.348	102.259%	-0.016	-0.020	-0.004	-0.038
x		102.221%	0.458	0.494	101.391%	0.005	-0.002	-0.015	-0.006
σ		1.491%	0.106	0.130	1.331%	0.019	0.018	0.028	0.032
%RSD		1.459	23.250	26.240	1.313	406.200	843.300	186.700	515.600

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:00:10	100.838%	-0.515	-0.129	-0.094	0.285	0.276	104.621%	106.474%
2	01:00:52	104.621%	-0.856	-0.119	-0.146	0.135	0.233	108.313%	109.674%
3	01:01:33	105.538%	-0.983	-0.147	-0.160	0.126	0.103	110.071%	111.787%
x		103.666%	-0.785	-0.132	-0.133	0.182	0.204	107.668%	109.312%
σ		2.491%	0.242	0.014	0.035	0.089	0.090	2.782%	2.675%
%RSD		2.403	30.830	10.810	25.920	48.910	44.180	2.584	2.447

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:00:10	0.094	0.083	0.061	0.033	0.056	112.527%
2	01:00:52	0.063	0.079	0.034	0.028	0.037	116.231%
3	01:01:33	0.052	0.056	0.039	0.053	0.054	117.847%
x		0.070	0.073	0.044	0.038	0.049	115.535%
σ		0.022	0.015	0.014	0.013	0.010	2.727%
%RSD		31.330	19.960	32.020	35.370	21.450	2.361

MB 180-49795/1-A 10/11/2012 1:03:46 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	01:04:27	90.329%	-0.009	0.788	0.917	0.000	2.396	0.222	0.159
2	01:05:09	90.827%	-0.009	0.677	0.896	0.000	2.952	1.280	1.181
3	01:05:51	91.717%	-0.018	0.412	0.798	0.000	6.169	3.390	2.987
x		90.958%	-0.012	0.626	0.870	0.000	3.839	1.631	1.442
σ		0.703%	0.005	0.193	0.063	0.000	2.037	1.612	1.432
%RSD		0.773	45.140	30.850	7.294	0.000	53.060	98.880	99.270

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:04:27	2.620	-0.711	0.000	-12.120	-6.080	-3.675	103.572%	0.010
2	01:05:09	1.193	-0.490	0.000	-11.490	-2.020	-0.299	103.824%	-0.074
3	01:05:51	0.726	-0.544	0.000	-8.981	2.080	1.004	103.344%	-0.018
x		1.513	-0.581	0.000	-10.860	-2.007	-0.990	103.580%	-0.027
σ		0.987	0.115	0.000	1.660	4.080	2.415	0.240%	0.043
%RSD		65.240	19.830	0.000	15.280	203.300	244.000	0.232	159.100

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:04:27	0.190	0.125	0.062	-4.364	-0.087	-0.006	-0.009	0.098
2	01:05:09	0.390	0.095	0.086	-6.903	-1.113	-0.002	-0.003	0.122
3	01:05:51	0.202	0.104	0.155	-6.227	-4.219	0.012	0.023	0.153
x		0.261	0.108	0.101	-5.831	-1.806	0.001	0.004	0.125
σ		0.112	0.015	0.048	1.315	2.151	0.009	0.017	0.028
%RSD		43.030	14.070	47.860	22.550	119.100	671.600	451.500	22.210

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:04:27	0.095	0.840	1.019	-0.912	-2.556	-3.139	0.000	0.002
2	01:05:09	0.083	0.685	0.815	-1.035	-1.790	-5.023	0.000	0.010
3	01:05:51	0.084	1.038	0.999	-0.679	-2.026	-2.541	0.000	0.048
x		0.087	0.855	0.944	-0.875	-2.124	-3.568	0.000	0.020
σ		0.007	0.177	0.112	0.181	0.392	1.295	0.000	0.024
%RSD		7.729	20.670	11.900	20.630	18.470	36.310	0.000	120.900

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:04:27	95.612%	0.359	0.319	95.035%	-0.039	-0.039	0.011	-0.015
2	01:05:09	97.025%	0.277	0.285	95.943%	-0.033	-0.038	-0.017	-0.023
3	01:05:51	96.709%	0.241	0.250	95.777%	-0.030	-0.034	0.032	0.055
x		96.449%	0.292	0.285	95.585%	-0.034	-0.037	0.008	0.006
σ		0.742%	0.060	0.035	0.484%	0.005	0.002	0.025	0.043
%RSD		0.769	20.700	12.150	0.506	13.550	6.548	290.700	743.700

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:04:27	97.610%	0.797	-0.163	-0.176	-0.017	0.001	103.801%	105.111%
2	01:05:09	97.665%	1.049	-0.158	-0.164	0.020	0.010	103.885%	105.855%
3	01:05:51	98.711%	0.783	-0.164	-0.177	0.070	0.030	105.059%	107.037%
x		97.995%	0.876	-0.162	-0.173	0.024	0.014	104.249%	106.001%
σ		0.620%	0.150	0.003	0.007	0.044	0.015	0.703%	0.971%
%RSD		0.633	17.130	1.755	4.108	181.300	108.400	0.674	0.916

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:04:27	0.035	0.033	0.006	-0.007	0.001	124.224%
2	01:05:09	0.041	0.029	0.017	0.015	0.010	117.799%
3	01:05:51	0.028	0.032	0.003	0.021	0.014	115.690%
x		0.034	0.031	0.009	0.010	0.008	119.238%
σ		0.006	0.002	0.007	0.015	0.007	4.445%
%RSD		18.220	5.947	85.060	156.200	79.480	3.728

LCS 180-49795/2-A 10/11/2012 1:08:02 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	01:08:45	67.368%	43.690	781.000	803.900	0.000	49500.000	45990.000	46370.000
2	01:09:27	65.802%	44.340	779.600	803.200	0.000	50220.000	46210.000	46770.000
3	01:10:08	63.647%	45.800	783.500	823.700	0.000	50520.000	46870.000	47110.000
x		65.606%	44.610	781.400	810.300	0.000	50080.000	46350.000	46750.000
σ		1.868%	1.079	1.982	11.620	0.000	528.000	458.100	366.000
%RSD		2.847	2.419	0.254	1.434	0.000	1.054	0.988	0.783

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:08:45	1847.000	8705.000	0.000	46950.000	46070.000	47830.000	80.960%	945.900
2	01:09:27	1903.000	8766.000	0.000	47630.000	46440.000	46310.000	80.785%	961.500
3	01:10:08	1898.000	8786.000	0.000	47540.000	46520.000	46160.000	80.815%	954.800
x		1882.000	8753.000	0.000	47370.000	46340.000	46770.000	80.853%	954.000
σ		30.840	42.150	0.000	370.200	238.600	926.000	0.094%	7.793
%RSD		1.639	0.482	0.000	0.782	0.515	1.980	0.116	0.817

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:08:45	495.100	196.400	498.500	1084.000	1214.000	508.500	489.300	234.000
2	01:09:27	497.700	200.000	505.000	1093.000	1209.000	513.700	493.300	236.100
3	01:10:08	495.400	198.000	506.600	1086.000	1207.000	511.200	494.500	234.100
x		496.100	198.200	503.400	1088.000	1210.000	511.100	492.400	234.700
σ		1.396	1.782	4.267	4.501	3.319	2.559	2.681	1.190
%RSD		0.281	0.899	0.848	0.414	0.274	0.501	0.544	0.507

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:08:45	246.400	502.400	504.500	35.630	5.103	8.000	0.000	1005.000
2	01:09:27	246.500	507.400	502.600	36.880	6.906	10.510	0.000	1013.000
3	01:10:08	248.400	508.800	508.600	37.140	6.841	11.450	0.000	1018.000
x		247.100	506.200	505.300	36.550	6.283	9.987	0.000	1012.000
σ		1.102	3.400	3.069	0.808	1.023	1.783	0.000	6.800
%RSD		0.446	0.672	0.608	2.211	16.280	17.850	0.000	0.672

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:08:45	81.766%	1006.000	1057.000	84.621%	48.640	47.370	47.320	41.730
2	01:09:27	82.896%	1015.000	1063.000	85.939%	48.330	46.610	47.590	42.240
3	01:10:08	83.048%	1015.000	1076.000	85.957%	48.540	46.720	47.010	41.910
x		82.570%	1012.000	1065.000	85.506%	48.500	46.900	47.310	41.960
σ		0.701%	5.285	9.803	0.766%	0.159	0.410	0.292	0.255
%RSD		0.848	0.522	0.920	0.896	0.329	0.874	0.616	0.607

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:08:45	89.478%	1921.000	469.900	477.700	1753.000	1809.000	103.554%	104.892%
2	01:09:27	92.621%	1895.000	466.400	473.800	1752.000	1793.000	106.843%	109.248%
3	01:10:08	93.442%	1924.000	469.000	479.600	1756.000	1816.000	107.292%	110.007%
x		91.847%	1913.000	468.400	477.000	1754.000	1806.000	105.896%	108.049%
σ		2.092%	16.340	1.809	2.928	2.082	11.810	2.041%	2.760%
%RSD		2.278	0.854	0.386	0.614	0.119	0.654	1.927	2.555

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:08:45	47.480	46.800	19.040	19.130	19.210	114.545%
2	01:09:27	47.280	46.990	19.470	19.140	19.380	118.740%
3	01:10:08	47.200	46.710	19.050	19.080	19.210	121.642%
x		47.320	46.830	19.180	19.120	19.270	118.309%
σ		0.144	0.143	0.243	0.028	0.098	3.568%
%RSD		0.304	0.305	1.266	0.146	0.509	3.016

180-14628-C-2-A 10/11/2012 1:12:20 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	01:13:02	69.452%	0.060	20.250	19.780	0.000	6322.000	3750.000	3753.000
2	01:13:43	69.565%	-0.013	16.970	18.300	0.000	6217.000	3720.000	3749.000
3	01:14:25	69.506%	0.023	16.460	16.540	0.000	6304.000	3749.000	3799.000
x		69.508%	0.024	17.900	18.210	0.000	6281.000	3740.000	3767.000
σ		0.056%	0.036	2.056	1.620	0.000	56.170	17.090	27.850
%RSD		0.081	154.200	11.490	8.895	0.000	0.894	0.457	0.739

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:02	33.030	4266.000	0.000	1019.000	3257.000	3206.000	82.335%	1.748
2	01:13:43	31.890	4088.000	0.000	1004.000	3272.000	3169.000	83.346%	1.360
3	01:14:25	32.380	4268.000	0.000	1013.000	3403.000	3197.000	83.193%	1.032
x		32.430	4207.000	0.000	1012.000	3311.000	3191.000	82.958%	1.380
σ		0.574	103.300	0.000	7.692	80.540	19.230	0.545%	0.358
%RSD		1.769	2.456	0.000	0.760	2.433	0.603	0.657	25.970

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:02	3.363	2.183	2.378	721.100	717.400	0.118	0.206	0.787
2	01:13:43	3.762	2.094	2.354	712.500	700.700	0.113	0.209	0.737
3	01:14:25	2.963	2.014	2.240	709.700	710.900	0.092	0.217	0.711
x		3.363	2.097	2.324	714.400	709.700	0.108	0.211	0.745
σ		0.399	0.085	0.074	5.926	8.440	0.014	0.006	0.039
%RSD		11.880	4.047	3.163	0.830	1.189	12.850	2.698	5.221

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:02	0.843	10.370	10.310	0.095	-2.954	-3.950	0.000	36.180
2	01:13:43	0.789	9.840	9.572	-0.348	-3.601	-5.228	0.000	35.380
3	01:14:25	0.782	9.628	10.070	0.322	-2.735	-5.749	0.000	35.390
x		0.804	9.945	9.983	0.023	-3.097	-4.976	0.000	35.650
σ		0.033	0.381	0.375	0.341	0.451	0.926	0.000	0.461
%RSD		4.157	3.829	3.755	1483.000	14.550	18.600	0.000	1.292

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:02	91.324%	3.849	4.031	87.985%	-0.030	-0.042	-0.038	-0.099
2	01:13:43	93.250%	2.036	2.439	90.017%	-0.041	-0.037	-0.083	-0.049
3	01:14:25	93.299%	1.522	1.537	89.546%	-0.036	-0.045	-0.073	-0.070
x		92.624%	2.469	2.669	89.183%	-0.035	-0.041	-0.065	-0.073
σ		1.126%	1.223	1.263	1.064%	0.006	0.004	0.023	0.025
%RSD		1.216	49.520	47.330	1.193	15.940	9.226	36.050	34.120

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:02	93.736%	14.350	-0.077	-0.111	6.916	7.582	105.287%	107.996%
2	01:13:43	95.116%	11.190	-0.118	-0.115	6.858	7.350	107.973%	110.110%
3	01:14:25	96.072%	9.444	-0.117	-0.123	6.939	7.506	107.035%	109.258%
x		94.975%	11.660	-0.104	-0.116	6.905	7.479	106.765%	109.121%
σ		1.175%	2.485	0.024	0.007	0.042	0.119	1.364%	1.064%
%RSD		1.237	21.310	22.700	5.651	0.606	1.584	1.277	0.975

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:02	0.491	0.408	0.751	0.769	0.792	121.104%
2	01:13:43	0.307	0.311	0.794	0.820	0.794	122.881%
3	01:14:25	0.211	0.227	0.805	0.841	0.839	121.248%
x		0.336	0.315	0.783	0.810	0.808	121.744%
σ		0.142	0.091	0.029	0.037	0.027	0.987%
%RSD		42.230	28.760	3.673	4.589	3.302	0.811

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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	01:17:18	68.253%	0.000	16.800	17.520	0.000	5614.000	3463.000	3446.000
2	01:18:00	65.801%	-0.011	15.940	17.010	0.000	5658.000	3451.000	3484.000
3	01:18:42	65.600%	0.014	16.120	16.460	0.000	5596.000	3428.000	3453.000
x		66.551%	0.001	16.290	17.000	0.000	5623.000	3447.000	3461.000
σ		1.477%	0.013	0.452	0.532	0.000	31.830	17.970	20.060
%RSD		2.219	1364.000	2.775	3.128	0.000	0.566	0.521	0.580

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:17:18	25.380	4807.000	0.000	1187.000	7113.000	6857.000	80.955%	0.724
2	01:18:00	26.130	4602.000	0.000	1191.000	7054.000	6737.000	81.253%	1.023
3	01:18:42	26.170	4567.000	0.000	1183.000	7030.000	6741.000	81.376%	0.755
x		25.890	4659.000	0.000	1187.000	7066.000	6778.000	81.195%	0.834
σ		0.443	129.600	0.000	4.140	42.860	68.390	0.216%	0.165
%RSD		1.710	2.782	0.000	0.349	0.607	1.009	0.266	19.730

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:17:18	2.377	1.937	0.953	12.520	36.650	0.047	0.185	0.375
2	01:18:00	2.729	1.979	0.939	9.890	30.670	0.036	0.131	0.384
3	01:18:42	2.096	1.984	0.880	8.625	31.230	0.040	0.196	0.335
x		2.401	1.967	0.924	10.340	32.850	0.041	0.171	0.365
σ		0.317	0.025	0.039	1.985	3.304	0.006	0.035	0.026
%RSD		13.210	1.293	4.204	19.190	10.060	13.530	20.500	7.261

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:17:18	0.311	5.522	5.077	-1.319	-3.071	-4.214	0.000	39.600
2	01:18:00	0.365	5.779	5.466	-0.259	-3.506	-3.345	0.000	39.450
3	01:18:42	0.383	5.176	5.327	-0.698	-3.973	-2.676	0.000	39.830
x		0.353	5.493	5.290	-0.759	-3.517	-3.412	0.000	39.630
σ		0.037	0.303	0.197	0.533	0.451	0.771	0.000	0.191
%RSD		10.590	5.511	3.722	70.180	12.840	22.610	0.000	0.481

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:17:18	90.338%	0.533	0.712	87.160%	-0.037	-0.042	-0.126	-0.105
2	01:18:00	91.901%	0.454	0.587	88.241%	-0.042	-0.047	-0.121	-0.076
3	01:18:42	92.234%	0.476	0.442	87.979%	-0.037	-0.041	-0.123	-0.044
x		91.491%	0.488	0.580	87.793%	-0.039	-0.043	-0.123	-0.075
σ		1.012%	0.041	0.135	0.564%	0.003	0.003	0.002	0.031
%RSD		1.106	8.401	23.220	0.643	7.473	7.798	1.986	40.940

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:17:18	92.664%	5.928	-0.138	-0.159	3.941	4.091	104.673%	106.356%
2	01:18:00	94.010%	5.292	-0.158	-0.169	3.521	4.094	106.146%	108.817%
3	01:18:42	94.855%	4.689	-0.159	-0.163	3.808	4.004	108.440%	110.860%
x		93.843%	5.303	-0.152	-0.164	3.757	4.063	106.420%	108.677%
σ		1.105%	0.619	0.012	0.005	0.215	0.051	1.898%	2.256%
%RSD		1.178	11.680	7.794	2.833	5.717	1.264	1.784	2.075

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:17:18	0.115	0.118	-0.001	0.020	0.010	117.585%
2	01:18:00	0.091	0.097	0.020	0.011	0.016	120.700%
3	01:18:42	0.071	0.076	0.008	0.003	0.006	124.136%
x		0.092	0.097	0.009	0.012	0.011	120.807%
σ		0.022	0.021	0.010	0.008	0.005	3.277%
%RSD		24.110	21.760	116.100	73.270	45.260	2.712

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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	01:21:36	68.375%	-0.012	20.850	21.750	0.000	5435.000	2609.000	2636.000
2	01:22:18	69.077%	-0.001	21.720	21.330	0.000	5431.000	2627.000	2649.000
3	01:23:00	70.920%	0.010	19.150	20.540	0.000	5416.000	2588.000	2642.000
x		69.457%	-0.001	20.570	21.210	0.000	5428.000	2608.000	2642.000
σ		1.315%	0.011	1.305	0.612	0.000	10.090	19.760	6.865
%RSD		1.893	1345.000	6.343	2.884	0.000	0.186	0.758	0.260

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:21:36	2.686	4670.000	0.000	1590.000	7141.000	6851.000	84.401%	0.878
2	01:22:18	2.614	4484.000	0.000	1598.000	6996.000	6795.000	86.560%	0.670
3	01:23:00	2.153	4697.000	0.000	1597.000	7081.000	6781.000	87.963%	0.789
x		2.484	4617.000	0.000	1595.000	7072.000	6809.000	86.308%	0.779
σ		0.289	116.400	0.000	4.454	73.120	37.020	1.795%	0.105
%RSD		11.630	2.521	0.000	0.279	1.034	0.544	2.079	13.440

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:21:36	1.346	1.191	1112.000	50730.000	52300.000	2.882	0.242	0.502
2	01:22:18	1.986	1.295	1102.000	50340.000	50950.000	2.907	0.122	0.455
3	01:23:00	1.587	1.306	1094.000	50150.000	52170.000	2.912	0.149	0.500
x		1.640	1.264	1103.000	50410.000	51810.000	2.900	0.171	0.486
σ		0.323	0.064	9.025	295.900	746.900	0.016	0.063	0.026
%RSD		19.710	5.046	0.818	0.587	1.442	0.544	36.820	5.402

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:21:36	0.520	23.410	23.550	9.179	-3.685	-2.726	0.000	90.650
2	01:22:18	0.438	22.720	23.390	9.382	-3.211	-2.789	0.000	90.870
3	01:23:00	0.564	23.970	23.080	8.793	-3.225	-4.780	0.000	92.080
x		0.508	23.370	23.340	9.118	-3.374	-3.432	0.000	91.200
σ		0.064	0.625	0.240	0.299	0.270	1.168	0.000	0.769
%RSD		12.610	2.675	1.028	3.283	7.987	34.040	0.000	0.843

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:21:36	94.443%	1.650	1.810	90.075%	-0.037	-0.040	-0.125	-0.077
2	01:22:18	96.468%	1.640	1.703	92.701%	-0.036	-0.040	-0.146	-0.115
3	01:23:00	97.405%	1.728	1.805	93.454%	-0.034	-0.044	-0.031	-0.025
x		96.105%	1.673	1.773	92.077%	-0.036	-0.041	-0.101	-0.072
σ		1.514%	0.048	0.061	1.774%	0.002	0.002	0.061	0.045
%RSD		1.575	2.890	3.415	1.926	4.421	5.442	60.980	62.110

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:21:36	95.762%	3.538	0.002	0.012	15.730	15.480	108.343%	110.439%
2	01:22:18	98.297%	3.689	-0.008	-0.042	15.310	15.960	110.743%	113.010%
3	01:23:00	99.751%	3.685	0.001	-0.013	15.180	16.010	111.316%	113.635%
x		97.937%	3.637	-0.001	-0.014	15.400	15.810	110.134%	112.361%
σ		2.019%	0.086	0.006	0.027	0.286	0.289	1.577%	1.694%
%RSD		2.062	2.356	423.400	187.400	1.855	1.829	1.432	1.507

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:21:36	0.091	0.057	0.778	0.724	0.741	121.819%
2	01:22:18	0.058	0.059	0.738	0.741	0.742	123.526%
3	01:23:00	0.082	0.058	0.758	0.805	0.757	124.106%
x		0.077	0.058	0.758	0.757	0.747	123.150%
σ		0.017	0.001	0.020	0.043	0.009	1.189%
%RSD		21.770	1.756	2.626	5.632	1.215	0.965

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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	01:25:52	73.487%	0.112	19.450	17.220	0.000	7055.000	2271.000	2278.000
2	01:26:34	72.692%	0.148	15.880	16.540	0.000	7038.000	2264.000	2283.000
3	01:27:16	71.299%	0.104	16.630	17.680	0.000	6998.000	2230.000	2260.000
x		72.493%	0.121	17.320	17.150	0.000	7031.000	2255.000	2274.000
σ		1.108%	0.023	1.882	0.572	0.000	29.190	21.600	12.470
%RSD		1.528	19.270	10.870	3.337	0.000	0.415	0.958	0.548

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:25:52	13.580	6361.000	0.000	1413.000	2650.000	2637.000	87.577%	1.058
2	01:26:34	13.810	6269.000	0.000	1419.000	2852.000	2662.000	87.257%	1.211
3	01:27:16	13.650	6269.000	0.000	1417.000	2782.000	2679.000	87.548%	0.959
x		13.680	6300.000	0.000	1416.000	2761.000	2659.000	87.461%	1.076
σ		0.118	52.880	0.000	3.213	102.500	20.910	0.177%	0.127
%RSD		0.865	0.840	0.000	0.227	3.711	0.786	0.202	11.810

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:25:52	2.913	2.524	257.900	19330.000	19100.000	1.369	0.677	0.499
2	01:26:34	3.285	2.482	259.100	19220.000	19050.000	1.478	0.720	0.511
3	01:27:16	2.210	2.467	257.400	19080.000	19050.000	1.440	0.739	0.508
x		2.803	2.491	258.200	19210.000	19070.000	1.429	0.712	0.506
σ		0.545	0.029	0.866	127.900	27.720	0.055	0.032	0.006
%RSD		19.460	1.182	0.336	0.666	0.145	3.857	4.499	1.244

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:25:52	0.453	11.770	12.470	21.430	-1.915	-2.582	0.000	52.700
2	01:26:34	0.408	12.140	12.360	20.790	-3.058	-3.862	0.000	52.160
3	01:27:16	0.436	12.240	12.490	21.570	-3.249	-3.254	0.000	52.220
x		0.432	12.050	12.440	21.260	-2.740	-3.232	0.000	52.360
σ		0.023	0.250	0.072	0.415	0.722	0.640	0.000	0.295
%RSD		5.243	2.074	0.578	1.952	26.330	19.800	0.000	0.564

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:25:52	96.307%	0.520	0.581	92.489%	-0.034	-0.046	0.010	-0.009
2	01:26:34	97.145%	0.421	0.553	93.329%	-0.042	-0.040	-0.060	0.044
3	01:27:16	97.021%	0.446	0.527	93.012%	-0.041	-0.041	-0.085	-0.018
x		96.824%	0.463	0.553	92.943%	-0.039	-0.042	-0.045	0.006
σ		0.452%	0.052	0.027	0.424%	0.005	0.003	0.049	0.034
%RSD		0.467	11.150	4.843	0.456	11.570	7.430	109.400	595.300

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:25:52	96.640%	3.119	-0.096	-0.112	23.840	25.260	106.636%	108.596%
2	01:26:34	98.257%	2.725	-0.062	-0.085	24.070	25.190	109.842%	111.382%
3	01:27:16	99.392%	2.353	-0.053	-0.080	24.390	24.560	111.762%	113.403%
x		98.096%	2.732	-0.071	-0.092	24.100	25.000	109.413%	111.127%
σ		1.383%	0.383	0.023	0.017	0.272	0.386	2.590%	2.414%
%RSD		1.410	14.020	32.070	18.490	1.127	1.545	2.367	2.172

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:25:52	0.059	0.071	1.379	1.373	1.383	117.927%
2	01:26:34	0.073	0.059	1.373	1.375	1.324	122.385%
3	01:27:16	0.066	0.060	1.326	1.275	1.316	124.285%
x		0.066	0.063	1.359	1.341	1.341	121.532%
σ		0.007	0.007	0.029	0.057	0.037	3.264%
%RSD		10.170	10.610	2.136	4.256	2.737	2.685

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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	01:30:07	69.200%	-0.013	16.010	17.420	0.000	11430.000	2633.000	2656.000
2	01:30:48	69.380%	0.011	16.680	17.340	0.000	11300.000	2610.000	2663.000
3	01:31:30	70.686%	-0.001	15.730	16.980	0.000	11220.000	2621.000	2635.000
x		69.755%	-0.001	16.140	17.240	0.000	11310.000	2621.000	2651.000
σ		0.811%	0.012	0.488	0.235	0.000	109.500	11.590	14.720
%RSD		1.162	1363.000	3.020	1.364	0.000	0.968	0.442	0.555

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:30:07	7.210	8195.000	0.000	1263.000	3811.000	3735.000	86.668%	0.752
2	01:30:48	6.686	8102.000	0.000	1251.000	3869.000	3672.000	87.350%	0.994
3	01:31:30	6.737	7978.000	0.000	1243.000	3913.000	3630.000	87.538%	0.727
x		6.877	8091.000	0.000	1252.000	3864.000	3679.000	87.186%	0.824
σ		0.289	109.300	0.000	10.180	50.930	53.020	0.458%	0.147
%RSD		4.201	1.350	0.000	0.813	1.318	1.441	0.525	17.860

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:30:07	2.829	2.733	4.619	15.300	24.020	0.097	0.298	0.421
2	01:30:48	4.715	2.858	4.618	10.680	18.230	0.123	0.252	0.337
3	01:31:30	2.643	2.824	4.697	9.094	21.650	0.121	0.297	0.325
x		3.395	2.805	4.645	11.690	21.300	0.114	0.282	0.361
σ		1.146	0.064	0.045	3.222	2.910	0.015	0.026	0.052
%RSD		33.760	2.297	0.974	27.560	13.660	12.850	9.253	14.380

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:30:07	0.414	5.862	5.868	0.602	-3.030	-2.183	0.000	52.610
2	01:30:48	0.336	5.505	5.665	-1.528	-3.808	-4.755	0.000	52.320
3	01:31:30	0.359	5.467	5.589	-0.435	-3.594	-2.816	0.000	53.480
x		0.370	5.611	5.707	-0.454	-3.477	-3.251	0.000	52.800
σ		0.040	0.218	0.144	1.065	0.402	1.340	0.000	0.604
%RSD		10.910	3.882	2.525	234.800	11.570	41.220	0.000	1.144

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:30:07	97.009%	0.130	0.138	92.692%	-0.038	-0.041	-0.036	-0.059
2	01:30:48	98.302%	0.096	0.123	93.356%	-0.040	-0.046	-0.151	-0.120
3	01:31:30	97.405%	0.104	0.168	93.587%	-0.038	-0.044	-0.089	-0.119
x		97.572%	0.110	0.143	93.212%	-0.038	-0.044	-0.092	-0.099
σ		0.662%	0.018	0.023	0.465%	0.001	0.002	0.058	0.035
%RSD		0.679	15.960	16.120	0.498	3.574	5.618	62.630	35.120

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:30:07	98.306%	1.539	-0.183	-0.185	13.430	13.740	111.711%	111.796%
2	01:30:48	100.151%	1.736	-0.180	-0.180	13.520	13.500	113.222%	115.001%
3	01:31:30	100.054%	1.975	-0.178	-0.188	13.240	13.270	113.336%	114.586%
x		99.504%	1.750	-0.180	-0.184	13.400	13.510	112.757%	113.794%
σ		1.038%	0.218	0.003	0.004	0.142	0.231	0.907%	1.743%
%RSD		1.044	12.470	1.530	2.116	1.058	1.712	0.805	1.532

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:30:07	0.030	0.040	0.014	0.021	0.014	126.572%
2	01:30:48	0.034	0.035	0.011	0.005	0.016	129.201%
3	01:31:30	0.041	0.038	0.008	0.002	0.005	128.579%
x		0.035	0.038	0.011	0.009	0.012	128.117%
σ		0.006	0.002	0.003	0.010	0.006	1.374%
%RSD		16.130	6.155	28.520	108.800	53.260	1.072

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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	01:34:21	74.188%	0.008	12.420	14.470	0.000	5241.000	2346.000	2379.000
2	01:35:03	71.591%	0.092	14.330	14.340	0.000	5303.000	2383.000	2403.000
3	01:35:45	70.834%	0.070	12.110	13.840	0.000	5344.000	2373.000	2397.000
x		72.204%	0.057	12.950	14.220	0.000	5296.000	2367.000	2393.000
σ		1.759%	0.043	1.206	0.331	0.000	51.970	19.150	12.300
%RSD		2.436	76.310	9.308	2.329	0.000	0.981	0.809	0.514

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:34:21	10.710	6672.000	0.000	890.700	2589.000	2531.000	87.562%	0.661
2	01:35:03	10.960	6681.000	0.000	890.400	2614.000	2561.000	87.108%	0.798
3	01:35:45	10.730	6644.000	0.000	895.200	2547.000	2558.000	86.177%	0.841
x		10.800	6666.000	0.000	892.100	2584.000	2550.000	86.949%	0.767
σ		0.137	19.090	0.000	2.725	33.750	16.190	0.706%	0.094
%RSD		1.264	0.286	0.000	0.305	1.306	0.635	0.812	12.220

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:34:21	4.231	2.335	25.820	356.600	357.300	0.169	0.473	0.361
2	01:35:03	5.280	2.298	26.400	359.600	356.900	0.169	0.478	0.407
3	01:35:45	4.232	2.199	26.300	356.500	359.800	0.193	0.411	0.442
x		4.581	2.278	26.170	357.500	358.000	0.177	0.454	0.404
σ		0.605	0.071	0.307	1.748	1.547	0.014	0.037	0.041
%RSD		13.220	3.095	1.173	0.489	0.432	7.967	8.191	10.050

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:34:21	0.355	5.807	5.976	-0.607	-3.351	-3.512	0.000	36.770
2	01:35:03	0.377	6.236	5.861	-0.065	-2.935	-4.078	0.000	37.010
3	01:35:45	0.434	5.819	5.917	-0.523	-3.225	-3.487	0.000	36.560
x		0.389	5.954	5.918	-0.398	-3.170	-3.692	0.000	36.780
σ		0.040	0.244	0.058	0.292	0.213	0.334	0.000	0.224
%RSD		10.410	4.100	0.978	73.330	6.729	9.050	0.000	0.608

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:34:21	95.766%	0.152	0.158	92.917%	-0.045	-0.034	-0.028	-0.028
2	01:35:03	96.412%	0.190	0.137	92.381%	-0.043	-0.040	0.029	0.028
3	01:35:45	97.259%	0.167	0.132	93.425%	-0.038	-0.044	-0.104	-0.084
x		96.479%	0.170	0.142	92.908%	-0.042	-0.039	-0.034	-0.028
σ		0.749%	0.019	0.014	0.522%	0.004	0.005	0.067	0.056
%RSD		0.776	11.390	9.659	0.561	8.899	12.620	193.700	199.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:34:21	97.557%	1.772	-0.162	-0.196	7.447	7.076	107.175%	110.422%
2	01:35:03	98.269%	1.786	-0.170	-0.181	7.309	7.179	111.404%	111.468%
3	01:35:45	99.080%	1.375	-0.170	-0.182	7.250	6.865	112.008%	112.785%
x		98.302%	1.644	-0.167	-0.186	7.335	7.040	110.196%	111.558%
σ		0.762%	0.233	0.005	0.009	0.101	0.160	2.633%	1.184%
%RSD		0.775	14.180	2.898	4.681	1.382	2.278	2.390	1.061

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:34:21	0.067	0.053	0.196	0.185	0.206	121.154%
2	01:35:03	0.077	0.053	0.217	0.184	0.198	124.578%
3	01:35:45	0.055	0.043	0.193	0.229	0.214	126.378%
x		0.066	0.050	0.202	0.199	0.206	124.037%
σ		0.011	0.006	0.013	0.025	0.008	2.654%
%RSD		17.070	11.370	6.452	12.740	3.799	2.139

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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	01:38:36	67.899%	0.025	21.640	24.880	0.000	5232.000	2121.000	2139.000
2	01:39:18	67.468%	-0.012	21.450	26.090	0.000	5172.000	2104.000	2113.000
3	01:39:59	68.646%	0.036	21.960	25.380	0.000	5119.000	2063.000	2103.000
x		68.005%	0.016	21.680	25.450	0.000	5175.000	2096.000	2118.000
σ		0.596%	0.025	0.257	0.607	0.000	56.500	29.620	18.590
%RSD		0.877	154.600	1.184	2.385	0.000	1.092	1.413	0.878

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:38:36	3.715	5417.000	0.000	1264.000	6855.000	6501.000	85.266%	0.647
2	01:39:18	3.715	5348.000	0.000	1270.000	6893.000	6486.000	84.393%	0.793
3	01:39:59	3.450	5554.000	0.000	1252.000	6564.000	6435.000	84.583%	0.688
x		3.627	5440.000	0.000	1262.000	6771.000	6474.000	84.747%	0.709
σ		0.153	104.700	0.000	8.860	179.700	34.660	0.459%	0.075
%RSD		4.216	1.924	0.000	0.702	2.654	0.535	0.542	10.570

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:38:36	1.968	1.931	630.900	57600.000	58160.000	3.655	0.160	0.255
2	01:39:18	1.592	2.007	632.900	57550.000	58300.000	3.778	0.092	0.231
3	01:39:59	1.572	1.945	626.600	57030.000	57870.000	3.705	0.187	0.237
x		1.711	1.961	630.100	57400.000	58110.000	3.713	0.146	0.241
σ		0.223	0.040	3.214	313.300	220.200	0.061	0.049	0.013
%RSD		13.060	2.042	0.510	0.546	0.379	1.654	33.600	5.333

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:38:36	0.188	7.136	7.309	17.750	-2.816	-5.978	0.000	67.360
2	01:39:18	0.185	7.815	7.365	18.190	-4.501	-4.454	0.000	68.030
3	01:39:59	0.169	7.525	6.938	18.980	-3.414	-2.780	0.000	67.990
x		0.180	7.492	7.204	18.310	-3.577	-4.404	0.000	67.790
σ		0.010	0.341	0.232	0.623	0.854	1.600	0.000	0.375
%RSD		5.590	4.547	3.225	3.404	23.870	36.330	0.000	0.552

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:38:36	96.464%	1.046	1.209	92.374%	-0.042	-0.044	-0.074	-0.068
2	01:39:18	94.872%	0.994	1.114	90.843%	-0.043	-0.040	-0.163	-0.128
3	01:39:59	95.161%	1.141	1.174	91.532%	-0.039	-0.040	-0.127	-0.121
x		95.499%	1.060	1.166	91.583%	-0.041	-0.041	-0.121	-0.106
σ		0.848%	0.075	0.048	0.767%	0.002	0.002	0.045	0.033
%RSD		0.888	7.035	4.129	0.837	6.002	5.250	36.970	30.950

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:38:36	97.703%	1.199	0.060	0.038	14.650	14.740	110.895%	112.196%
2	01:39:18	98.064%	1.056	0.068	0.033	13.830	14.790	111.437%	113.127%
3	01:39:59	96.912%	1.215	0.071	0.054	14.320	14.630	111.864%	113.307%
x		97.560%	1.157	0.067	0.042	14.270	14.720	111.399%	112.876%
σ		0.589%	0.088	0.006	0.011	0.410	0.081	0.486%	0.596%
%RSD		0.604	7.573	8.474	25.300	2.874	0.553	0.436	0.528

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:38:36	0.024	0.024	0.620	0.694	0.644	122.960%
2	01:39:18	0.008	0.020	0.663	0.617	0.652	124.885%
3	01:39:59	0.018	0.022	0.694	0.684	0.676	124.447%
x		0.017	0.022	0.659	0.665	0.657	124.098%
σ		0.008	0.002	0.037	0.042	0.016	1.009%
%RSD		49.470	8.477	5.582	6.354	2.504	0.813

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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	01:42:52	72.940%	-0.002	14.610	15.470	0.000	4383.000	3738.000	3803.000
2	01:43:33	70.422%	0.011	15.070	15.540	0.000	4462.000	3832.000	3857.000
3	01:44:15	70.070%	0.047	14.960	15.630	0.000	4466.000	3781.000	3830.000
x		71.144%	0.018	14.880	15.550	0.000	4437.000	3784.000	3830.000
σ		1.565%	0.026	0.240	0.080	0.000	46.770	46.690	27.000
%RSD		2.200	138.000	1.610	0.516	0.000	1.054	1.234	0.705

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:42:52	25.200	4052.000	0.000	1749.000	4133.000	3984.000	85.209%	0.989
2	01:43:33	26.570	4135.000	0.000	1759.000	4293.000	3993.000	84.251%	1.138
3	01:44:15	26.710	4083.000	0.000	1760.000	4161.000	4009.000	83.520%	0.871
x		26.160	4090.000	0.000	1756.000	4196.000	3995.000	84.327%	0.999
σ		0.836	41.810	0.000	6.240	85.640	12.460	0.847%	0.134
%RSD		3.196	1.022	0.000	0.355	2.041	0.312	1.005	13.360

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:42:52	3.841	3.534	0.893	33.110	43.090	0.045	0.123	0.313
2	01:43:33	3.936	3.313	0.810	20.930	30.970	0.030	0.144	0.252
3	01:44:15	4.415	3.150	0.787	19.110	28.760	0.028	0.173	0.270
x		4.064	3.332	0.830	24.380	34.280	0.035	0.147	0.278
σ		0.308	0.193	0.056	7.616	7.716	0.009	0.025	0.031
%RSD		7.575	5.779	6.693	31.230	22.510	26.980	17.260	11.180

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:42:52	0.264	19.580	19.830	-0.703	-4.282	-2.682	0.000	47.120
2	01:43:33	0.242	20.070	19.700	-0.623	-3.271	-5.446	0.000	46.990
3	01:44:15	0.230	20.200	20.230	-0.314	-3.869	-5.249	0.000	47.650
x		0.245	19.950	19.920	-0.547	-3.807	-4.459	0.000	47.250
σ		0.017	0.330	0.279	0.205	0.508	1.542	0.000	0.348
%RSD		6.982	1.655	1.402	37.570	13.350	34.590	0.000	0.737

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:42:52	93.700%	0.061	0.082	90.397%	-0.036	-0.041	-0.104	-0.048
2	01:43:33	94.692%	0.049	0.090	90.590%	-0.041	-0.042	-0.134	-0.106
3	01:44:15	94.154%	0.068	0.051	90.327%	-0.039	-0.042	-0.109	-0.118
x		94.182%	0.059	0.074	90.438%	-0.038	-0.042	-0.116	-0.091
σ		0.497%	0.009	0.021	0.136%	0.002	0.001	0.016	0.038
%RSD		0.527	15.880	27.890	0.150	6.336	1.828	13.650	41.430

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:42:52	95.075%	1.776	-0.159	-0.173	6.740	6.941	106.156%	107.790%
2	01:43:33	96.505%	1.384	-0.184	-0.188	6.783	6.797	108.114%	109.814%
3	01:44:15	96.983%	1.290	-0.177	-0.182	6.987	6.717	108.673%	109.835%
x		96.188%	1.484	-0.173	-0.181	6.837	6.818	107.647%	109.146%
σ		0.993%	0.258	0.013	0.008	0.132	0.113	1.322%	1.175%
%RSD		1.032	17.390	7.597	4.147	1.932	1.663	1.228	1.076

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:42:52	0.020	0.025	0.046	0.039	0.042	116.815%
2	01:43:33	0.019	0.023	0.044	0.025	0.033	119.038%
3	01:44:15	0.030	0.021	0.046	0.019	0.036	121.363%
x		0.023	0.023	0.045	0.027	0.037	119.072%
σ		0.006	0.002	0.001	0.010	0.005	2.274%
%RSD		25.800	10.350	1.895	38.090	12.590	1.910

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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	01:50:00	77.472%	99.970	85.230	83.230	0.000	51610.000	49460.000	49680.000
2	01:50:42	78.208%	100.800	84.950	85.920	0.000	51180.000	49180.000	49420.000
3	01:51:24	79.767%	98.470	87.910	83.750	0.000	51040.000	49160.000	49130.000
x		78.482%	99.745%	86.032%	84.301%	0.000	102.553%	98.531%	98.819%
σ		1.172%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.493	1.179	1.897	1.690	0.000	0.577	0.343	0.560

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:50:00	485.900	4873.000	0.000	49150.000	47590.000	47230.000	95.133%	95.470
2	01:50:42	482.800	4867.000	0.000	49460.000	47400.000	48520.000	95.217%	97.860
3	01:51:24	483.000	4890.000	0.000	49610.000	47620.000	48800.000	95.056%	97.610
x		96.782%	97.533%	0.000	98.810%	95.070%	96.372%	95.135%	96.981%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.081%	n/a
%RSD		0.361	0.241	0.000	0.480	0.247	1.742	0.085	1.358

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:50:00	96.960	97.780	494.200	25640.000	25350.000	98.710	98.910	96.740
2	01:50:42	96.820	99.110	495.900	25570.000	25520.000	100.000	101.200	96.910
3	01:51:24	96.950	99.060	494.000	25590.000	25490.000	99.920	97.940	96.910
x		96.911%	98.650%	98.942%	102.401%	101.808%	99.554%	99.348%	96.851%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.084	0.765	0.201	0.131	0.349	0.736	1.683	0.098

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:50:00	98.160	105.500	105.200	96.240	92.310	94.950	0.000	94.310
2	01:50:42	99.370	105.400	103.700	96.110	95.380	97.520	0.000	95.230
3	01:51:24	99.160	105.200	105.200	96.370	96.080	95.120	0.000	95.360
x		98.894%	105.378%	104.684%	96.237%	94.591%	95.862%	0.000	94.969%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.655	0.177	0.855	0.133	2.119	1.498	0.000	0.602

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:50:00	97.868%	93.930	98.040	94.139%	98.270	97.210	100.400	96.440
2	01:50:42	97.800%	98.430	100.800	94.565%	97.880	96.540	99.070	96.090
3	01:51:24	97.097%	99.150	102.500	94.179%	99.170	98.270	99.560	96.900
x		97.588%	97.170%	100.444%	94.294%	98.438%	97.341%	99.669%	96.477%
σ		0.427%	n/a	n/a	0.235%	n/a	n/a	n/a	n/a
%RSD		0.437	2.912	2.244	0.249	0.670	0.897	0.666	0.419

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:50:00	97.084%	97.470	98.310	98.170	95.770	95.390	103.004%	105.629%
2	01:50:42	97.950%	97.540	98.240	98.840	94.560	93.260	103.928%	106.020%
3	01:51:24	97.005%	99.140	98.770	100.100	94.430	94.970	103.009%	104.755%
x		97.346%	98.051%	98.442%	99.028%	94.921%	94.540%	103.314%	105.468%
σ		0.524%	n/a	n/a	n/a	n/a	n/a	0.532%	0.648%
%RSD		0.539	0.966	0.290	0.971	0.778	1.194	0.515	0.614

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:50:00	103.200	102.600	103.800	104.100	104.000	105.881%
2	01:50:42	103.000	102.700	103.700	104.400	104.400	106.257%
3	01:51:24	104.700	104.400	105.600	105.900	105.700	104.535%
x		103.642%	103.234%	104.378%	104.791%	104.725%	105.558%
σ		n/a	n/a	n/a	n/a	n/a	0.905%
%RSD		0.921	0.956	1.053	0.939	0.853	0.857

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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	01:57:12	95.054%	0.060	0.601	0.853	0.000	62.510	40.090	39.020
2	01:57:54	94.706%	0.043	0.605	0.589	0.000	40.670	25.550	26.490
3	01:58:36	98.075%	-0.003	0.038	0.568	0.000	27.320	16.100	16.370
x		95.945%	0.034	0.415	0.670	0.000	43.500	27.240	27.290
σ		1.853%	0.033	0.326	0.159	0.000	17.770	12.080	11.350
%RSD		1.931	96.660	78.620	23.670	0.000	40.840	44.360	41.570

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:57:12	12.480	2.641	0.000	33.930	36.190	49.420	109.653%	0.163
2	01:57:54	10.590	1.090	0.000	17.470	29.350	34.340	111.020%	0.002
3	01:58:36	9.469	0.457	0.000	6.840	24.020	22.080	111.738%	-0.038
x		10.850	1.396	0.000	19.420	29.860	35.280	110.804%	0.042
σ		1.522	1.124	0.000	13.650	6.101	13.690	1.059%	0.107
%RSD		14.030	80.520	0.000	70.310	20.430	38.810	0.956	251.400

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:57:12	0.136	0.093	1.630	26.600	33.210	0.136	0.187	0.301
2	01:57:54	0.041	0.050	1.051	15.770	20.600	0.080	0.125	0.285
3	01:58:36	0.123	0.044	0.598	7.039	11.490	0.046	0.082	0.237
x		0.100	0.062	1.093	16.470	21.770	0.087	0.131	0.274
σ		0.052	0.027	0.517	9.797	10.910	0.046	0.052	0.033
%RSD		51.570	43.030	47.300	59.490	50.120	52.380	39.970	12.060

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:57:12	0.332	4.987	5.103	-0.365	-1.742	-0.656	0.000	0.600
2	01:57:54	0.248	3.909	3.487	-0.425	-0.998	-1.113	0.000	0.378
3	01:58:36	0.270	2.902	2.957	-0.300	-1.750	-1.027	0.000	0.193
x		0.284	3.932	3.849	-0.364	-1.497	-0.932	0.000	0.390
σ		0.044	1.043	1.118	0.063	0.432	0.243	0.000	0.203
%RSD		15.340	26.510	29.040	17.260	28.860	26.060	0.000	52.110

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:57:12	101.454%	0.659	0.591	100.373%	0.018	0.028	-0.019	0.018
2	01:57:54	102.528%	0.416	0.497	101.969%	-0.003	0.012	-0.006	-0.020
3	01:58:36	103.396%	0.392	0.390	102.642%	-0.005	-0.003	0.072	0.040
x		102.459%	0.489	0.493	101.661%	0.003	0.012	0.016	0.013
σ		0.973%	0.148	0.101	1.165%	0.013	0.015	0.049	0.030
%RSD		0.950	30.200	20.470	1.146	373.800	124.500	317.200	236.900

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:57:12	102.123%	-0.782	-0.052	-0.090	0.314	0.357	107.231%	108.296%
2	01:57:54	103.715%	-0.753	-0.108	-0.138	0.205	0.174	108.713%	110.208%
3	01:58:36	104.422%	-0.524	-0.153	-0.151	0.107	0.129	108.356%	110.651%
x		103.420%	-0.686	-0.105	-0.127	0.209	0.220	108.100%	109.719%
σ		1.178%	0.141	0.051	0.032	0.104	0.121	0.773%	1.251%
%RSD		1.139	20.600	48.580	25.290	49.560	54.960	0.715	1.141

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:57:12	0.070	0.083	0.121	0.099	0.102	114.755%
2	01:57:54	0.063	0.054	0.044	0.066	0.058	116.242%
3	01:58:36	0.030	0.037	0.028	0.036	0.031	115.635%
x		0.054	0.058	0.064	0.067	0.064	115.544%
σ		0.021	0.023	0.049	0.032	0.036	0.748%
%RSD		38.830	40.070	76.790	47.010	55.760	0.647

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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	02:01:30	77.709%	0.180	15.410	17.020	0.000	6825.000	2167.000	2187.000
2	02:02:12	74.907%	0.176	13.460	16.410	0.000	6885.000	2194.000	2205.000
3	02:02:54	72.888%	0.113	17.480	15.760	0.000	6974.000	2207.000	2239.000
x		75.168%	0.156	15.450	16.400	0.000	6895.000	2189.000	2210.000
σ		2.421%	0.038	2.009	0.634	0.000	75.320	20.290	26.640
%RSD		3.221	24.140	13.000	3.864	0.000	1.092	0.927	1.205

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:01:30	13.210	6072.000	0.000	1365.000	2692.000	2600.000	87.828%	1.138
2	02:02:12	13.530	6094.000	0.000	1372.000	2872.000	2619.000	87.675%	1.337
3	02:02:54	13.790	6163.000	0.000	1393.000	2763.000	2619.000	87.063%	1.381
x		13.510	6110.000	0.000	1377.000	2776.000	2613.000	87.522%	1.286
σ		0.294	47.150	0.000	14.750	90.980	10.860	0.405%	0.130
%RSD		2.177	0.772	0.000	1.071	3.278	0.416	0.462	10.070

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:01:30	2.288	2.338	252.200	19770.000	19430.000	1.419	0.749	0.469
2	02:02:12	3.453	2.506	253.400	19600.000	19440.000	1.397	0.652	0.421
3	02:02:54	2.487	2.812	254.200	19730.000	19550.000	1.399	0.730	0.460
x		2.742	2.552	253.200	19700.000	19470.000	1.405	0.710	0.450
σ		0.623	0.241	1.003	88.240	65.610	0.012	0.051	0.025
%RSD		22.730	9.432	0.396	0.448	0.337	0.864	7.185	5.664

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:01:30	0.416	9.920	10.100	22.580	-2.502	-2.963	0.000	51.390
2	02:02:12	0.495	9.757	9.619	21.120	-2.746	-3.023	0.000	50.870
3	02:02:54	0.328	9.430	10.160	21.810	-3.505	-3.776	0.000	52.000
x		0.413	9.703	9.962	21.840	-2.918	-3.254	0.000	51.420
σ		0.084	0.250	0.298	0.733	0.523	0.453	0.000	0.567
%RSD		20.320	2.573	2.994	3.358	17.940	13.920	0.000	1.103

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:01:30	94.704%	0.868	0.858	91.368%	-0.024	-0.040	0.032	0.040
2	02:02:12	96.648%	0.570	0.633	93.122%	-0.033	-0.040	-0.105	-0.042
3	02:02:54	95.873%	0.501	0.555	92.483%	-0.034	-0.045	0.003	0.044
x		95.742%	0.646	0.682	92.324%	-0.030	-0.042	-0.024	0.014
σ		0.979%	0.195	0.157	0.888%	0.005	0.003	0.072	0.049
%RSD		1.022	30.200	23.010	0.961	17.730	6.921	305.800	352.600

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:01:30	94.939%	3.139	-0.023	-0.042	24.640	24.580	104.629%	106.024%
2	02:02:12	96.505%	2.225	-0.064	-0.058	24.390	23.890	107.584%	109.704%
3	02:02:54	96.960%	1.592	-0.074	-0.094	23.620	25.260	108.196%	110.409%
x		96.135%	2.319	-0.054	-0.065	24.210	24.580	106.803%	108.712%
σ		1.060%	0.778	0.027	0.027	0.534	0.687	1.908%	2.355%
%RSD		1.103	33.530	49.870	41.370	2.207	2.797	1.786	2.166

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:01:30	0.056	0.047	1.419	1.397	1.386	113.858%
2	02:02:12	0.055	0.042	1.443	1.434	1.397	117.114%
3	02:02:54	0.051	0.042	1.387	1.397	1.359	119.137%
x		0.054	0.044	1.416	1.409	1.381	116.703%
σ		0.002	0.003	0.028	0.022	0.019	2.664%
%RSD		4.297	6.193	1.981	1.531	1.407	2.282

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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	02:05:47	70.808%	-0.001	1.074	1.025	0.000	8.599	1.060	1.001
2	02:06:28	71.201%	-0.013	0.227	0.446	0.000	8.906	0.513	1.033
3	02:07:10	69.667%	0.047	0.644	0.783	0.000	8.742	1.029	0.974
x		70.559%	0.011	0.649	0.752	0.000	8.749	0.868	1.003
σ		0.796%	0.032	0.424	0.291	0.000	0.153	0.307	0.030
%RSD		1.129	295.100	65.330	38.690	0.000	1.753	35.410	2.968

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:05:47	0.787	13.660	0.000	-2.026	4.115	15.000	85.488%	0.222
2	02:06:28	0.707	12.780	0.000	-3.933	15.420	13.700	86.436%	0.336
3	02:07:10	0.753	11.870	0.000	-3.779	12.130	11.950	86.698%	0.301
x		0.749	12.770	0.000	-3.246	10.560	13.550	86.207%	0.286
σ		0.040	0.897	0.000	1.059	5.816	1.534	0.636%	0.058
%RSD		5.360	7.028	0.000	32.620	55.100	11.320	0.738	20.320

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:05:47	2.078	2.288	0.155	4.741	2.188	0.005	0.100	0.158
2	02:06:28	3.051	2.114	0.176	0.819	-1.285	0.006	0.090	0.172
3	02:07:10	2.715	2.079	0.167	-0.355	-5.284	0.003	0.084	0.237
x		2.615	2.160	0.166	1.735	-1.461	0.005	0.091	0.189
σ		0.494	0.112	0.010	2.669	3.739	0.002	0.008	0.042
%RSD		18.900	5.181	6.081	153.800	256.000	39.220	8.708	22.380

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:05:47	0.207	5.190	5.352	-0.370	-4.175	-1.894	0.000	0.015
2	02:06:28	0.215	5.306	4.968	-0.160	-3.371	-3.432	0.000	0.010
3	02:07:10	0.124	5.225	5.283	-0.410	-2.473	-3.743	0.000	0.021
x		0.182	5.240	5.201	-0.313	-3.340	-3.023	0.000	0.015
σ		0.050	0.059	0.205	0.134	0.851	0.990	0.000	0.006
%RSD		27.590	1.132	3.933	42.750	25.490	32.750	0.000	36.940

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:05:47	95.421%	0.097	0.139	91.698%	-0.040	-0.034	-0.094	-0.074
2	02:06:28	96.062%	0.096	0.128	92.797%	-0.040	-0.042	-0.163	-0.136
3	02:07:10	97.247%	0.059	0.083	93.378%	-0.043	-0.038	-0.090	-0.078
x		96.243%	0.084	0.116	92.624%	-0.041	-0.038	-0.116	-0.096
σ		0.926%	0.022	0.029	0.853%	0.002	0.004	0.041	0.034
%RSD		0.963	25.780	25.240	0.921	5.082	11.450	35.720	35.940

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:05:47	97.009%	0.328	-0.188	-0.194	0.026	-0.008	108.492%	110.267%
2	02:06:28	97.878%	0.654	-0.179	-0.193	0.018	0.000	110.723%	112.363%
3	02:07:10	99.198%	0.537	-0.191	-0.209	0.032	-0.004	111.518%	112.881%
x		98.029%	0.506	-0.186	-0.199	0.025	-0.004	110.244%	111.837%
σ		1.102%	0.165	0.006	0.009	0.007	0.004	1.569%	1.384%
%RSD		1.125	32.610	3.457	4.453	26.900	110.000	1.423	1.237

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:05:47	0.005	0.010	0.006	-0.018	0.000	119.189%
2	02:06:28	0.003	0.013	0.001	-0.004	0.000	121.929%
3	02:07:10	-0.001	0.003	0.011	0.015	0.009	122.296%
x		0.002	0.009	0.006	-0.002	0.003	121.138%
σ		0.003	0.005	0.005	0.016	0.005	1.698%
%RSD		130.400	60.580	81.390	739.300	158.800	1.401

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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	02:10:03	73.743%	0.031	18.500	20.410	0.000	9239.000	3484.000	3507.000
2	02:10:45	75.630%	0.008	18.840	19.580	0.000	9009.000	3414.000	3426.000
3	02:11:27	73.591%	0.054	19.100	19.880	0.000	9133.000	3451.000	3475.000
x		74.321%	0.031	18.810	19.960	0.000	9127.000	3450.000	3469.000
σ		1.136%	0.023	0.302	0.420	0.000	115.100	34.920	40.880
%RSD		1.529	75.190	1.607	2.105	0.000	1.262	1.012	1.178

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:10:03	2.477	7030.000	0.000	1198.000	3620.000	3373.000	88.431%	0.736
2	02:10:45	2.377	6840.000	0.000	1188.000	3490.000	3361.000	88.778%	0.732
3	02:11:27	2.440	6902.000	0.000	1214.000	3516.000	3379.000	88.092%	0.656
x		2.431	6924.000	0.000	1200.000	3542.000	3371.000	88.434%	0.708
σ		0.051	96.400	0.000	12.940	68.690	9.124	0.343%	0.045
%RSD		2.086	1.392	0.000	1.079	1.939	0.271	0.388	6.339

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:10:03	4.012	3.107	4.075	5.124	13.220	0.114	0.180	0.294
2	02:10:45	5.458	3.116	3.916	3.881	10.590	0.087	0.176	0.289
3	02:11:27	4.241	3.050	4.121	4.234	8.595	0.074	0.250	0.300
x		4.570	3.091	4.037	4.413	10.800	0.092	0.202	0.295
σ		0.777	0.036	0.108	0.640	2.319	0.020	0.042	0.006
%RSD		17.000	1.156	2.662	14.510	21.470	22.220	20.760	1.903

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:10:03	0.272	5.967	5.786	-0.672	-3.174	-3.007	0.000	54.320
2	02:10:45	0.290	6.142	5.824	-0.354	-2.923	-3.432	0.000	53.830
3	02:11:27	0.180	6.147	5.700	-1.147	-3.060	-4.389	0.000	54.480
x		0.247	6.085	5.770	-0.724	-3.052	-3.609	0.000	54.210
σ		0.059	0.103	0.063	0.400	0.126	0.708	0.000	0.342
%RSD		23.940	1.686	1.097	55.160	4.117	19.610	0.000	0.632

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:10:03	96.083%	0.089	0.104	92.819%	-0.037	-0.037	-0.084	-0.009
2	02:10:45	97.291%	0.045	0.119	93.715%	-0.035	-0.044	-0.039	0.021
3	02:11:27	97.270%	0.062	0.064	93.590%	-0.031	-0.041	-0.024	-0.016
x		96.881%	0.065	0.095	93.375%	-0.034	-0.041	-0.049	-0.001
σ		0.691%	0.022	0.029	0.485%	0.003	0.003	0.031	0.019
%RSD		0.714	33.730	30.030	0.520	10.100	7.740	63.540	1366.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:10:03	95.618%	1.802	-0.178	-0.180	15.780	15.980	106.289%	108.038%
2	02:10:45	97.776%	1.360	-0.186	-0.195	16.440	16.560	108.391%	110.714%
3	02:11:27	98.852%	1.198	-0.185	-0.179	15.450	16.310	109.946%	110.455%
x		97.415%	1.454	-0.183	-0.185	15.890	16.280	108.209%	109.736%
σ		1.647%	0.313	0.005	0.009	0.506	0.291	1.835%	1.476%
%RSD		1.691	21.510	2.523	4.731	3.181	1.789	1.696	1.345

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:10:03	0.026	0.025	0.021	0.012	0.021	118.774%
2	02:10:45	0.023	0.019	0.022	-0.004	0.012	122.027%
3	02:11:27	0.014	0.019	0.019	0.016	0.016	123.216%
x		0.021	0.021	0.021	0.008	0.016	121.339%
σ		0.006	0.004	0.002	0.011	0.004	2.300%
%RSD		29.660	17.250	7.925	131.900	27.580	1.895

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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	02:14:21	70.835%	-0.013	11.990	12.640	0.000	4082.000	4977.000	5092.000
2	02:15:02	69.834%	0.059	11.640	12.450	0.000	4063.000	4993.000	5071.000
3	02:15:44	69.201%	-0.013	11.210	11.690	0.000	4078.000	4985.000	5030.000
x		69.957%	0.011	11.610	12.260	0.000	4075.000	4985.000	5064.000
σ		0.824%	0.042	0.393	0.499	0.000	10.350	8.172	31.720
%RSD		1.177	375.100	3.388	4.068	0.000	0.254	0.164	0.626

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:14:21	3.610	5331.000	0.000	1551.000	6322.000	6145.000	85.282%	0.461
2	02:15:02	3.518	5008.000	0.000	1547.000	6407.000	6152.000	85.567%	0.678
3	02:15:44	3.469	4965.000	0.000	1542.000	6292.000	6100.000	86.093%	0.842
x		3.533	5101.000	0.000	1547.000	6340.000	6132.000	85.647%	0.660
σ		0.072	200.200	0.000	4.617	59.770	28.130	0.411%	0.191
%RSD		2.027	3.924	0.000	0.298	0.943	0.459	0.480	28.950

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:14:21	4.946	2.364	435.400	333.500	348.400	5.762	0.720	0.323
2	02:15:02	4.726	2.163	433.900	331.100	341.600	5.611	0.789	0.288
3	02:15:44	5.545	2.162	432.800	326.800	339.800	5.636	0.768	0.228
x		5.072	2.230	434.100	330.500	343.200	5.670	0.759	0.280
σ		0.424	0.116	1.312	3.394	4.531	0.081	0.035	0.048
%RSD		8.353	5.204	0.302	1.027	1.320	1.423	4.660	17.050

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:14:21	0.253	10.650	10.760	0.916	-3.079	-3.407	0.000	45.360
2	02:15:02	0.324	10.560	9.991	-0.119	-4.430	-3.786	0.000	45.320
3	02:15:44	0.302	10.440	10.470	-0.241	-3.938	-4.869	0.000	45.130
x		0.293	10.550	10.410	0.185	-3.816	-4.020	0.000	45.270
σ		0.036	0.104	0.388	0.636	0.684	0.759	0.000	0.123
%RSD		12.430	0.989	3.728	342.900	17.930	18.870	0.000	0.271

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:14:21	95.198%	0.123	0.091	91.539%	-0.040	-0.045	-0.205	-0.105
2	02:15:02	96.341%	0.099	0.109	92.080%	-0.042	-0.044	-0.055	-0.030
3	02:15:44	96.961%	0.071	0.052	92.254%	-0.039	-0.045	-0.059	-0.096
x		96.167%	0.098	0.084	91.958%	-0.040	-0.044	-0.106	-0.077
σ		0.894%	0.026	0.029	0.373%	0.002	0.001	0.085	0.041
%RSD		0.930	26.710	34.620	0.406	4.433	1.577	80.300	52.920

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:14:21	97.596%	0.210	-0.174	-0.151	10.100	10.160	109.640%	111.653%
2	02:15:02	98.710%	0.301	-0.173	-0.193	9.664	10.660	111.737%	113.677%
3	02:15:44	100.103%	0.140	-0.174	-0.182	10.120	10.230	113.327%	114.429%
x		98.803%	0.217	-0.174	-0.175	9.962	10.350	111.568%	113.253%
σ		1.256%	0.081	0.000	0.022	0.258	0.269	1.849%	1.436%
%RSD		1.271	37.350	0.283	12.440	2.593	2.595	1.657	1.268

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:14:21	0.063	0.071	0.018	0.025	0.020	121.757%
2	02:15:02	0.047	0.064	0.022	0.025	0.021	125.195%
3	02:15:44	0.068	0.066	0.018	0.023	0.026	126.852%
x		0.059	0.067	0.019	0.024	0.022	124.601%
σ		0.011	0.004	0.003	0.001	0.003	2.599%
%RSD		17.990	5.463	13.460	5.525	15.120	2.086

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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	02:18:38	75.429%	0.186	22.540	26.220	0.000	22840.000	8932.000	9037.000
2	02:19:20	73.966%	0.133	23.700	26.270	0.000	23080.000	8997.000	9097.000
3	02:20:01	73.319%	0.089	24.550	25.310	0.000	23030.000	9032.000	9117.000
x		74.238%	0.136	23.590	25.930	0.000	22980.000	8987.000	9084.000
σ		1.081%	0.048	1.010	0.537	0.000	124.800	50.880	41.320
%RSD		1.456	35.640	4.279	2.073	0.000	0.543	0.566	0.455

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:18:38	2838.000	11240.000	0.000	2142.000	7843.000	7701.000	88.658%	59.560
2	02:19:20	2852.000	11230.000	0.000	2136.000	7975.000	7693.000	88.693%	58.520
3	02:20:01	2863.000	11250.000	0.000	2161.000	8028.000	7820.000	87.833%	61.600
x		2851.000	11240.000	0.000	2146.000	7949.000	7738.000	88.395%	59.890
σ		12.800	11.130	0.000	12.980	95.660	71.280	0.487%	1.564
%RSD		0.449	0.099	0.000	0.605	1.203	0.921	0.551	2.612

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:18:38	9.720	8.178	16.120	4475.000	4305.000	0.505	2.137	1.219
2	02:19:20	11.710	8.150	15.860	4460.000	4315.000	0.515	2.289	1.240
3	02:20:01	8.867	8.173	16.160	4513.000	4365.000	0.501	2.067	1.223
x		10.100	8.167	16.050	4483.000	4328.000	0.507	2.164	1.227
σ		1.459	0.015	0.165	27.490	31.980	0.007	0.114	0.011
%RSD		14.450	0.185	1.028	0.613	0.739	1.432	5.247	0.927

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:18:38	1.274	11.440	11.040	0.761	-3.803	-5.381	0.000	98.230
2	02:19:20	1.043	11.660	11.460	1.315	-3.265	-4.593	0.000	99.550
3	02:20:01	1.133	11.050	11.260	1.145	-3.680	-2.993	0.000	99.300
x		1.150	11.380	11.250	1.074	-3.582	-4.323	0.000	99.030
σ		0.116	0.308	0.213	0.284	0.282	1.217	0.000	0.705
%RSD		10.090	2.708	1.894	26.470	7.867	28.140	0.000	0.712

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:18:38	100.036%	0.264	0.286	92.321%	-0.026	-0.036	-0.049	-0.061
2	02:19:20	100.338%	0.176	0.283	93.184%	-0.040	-0.044	-0.087	-0.038
3	02:20:01	100.886%	0.230	0.253	93.067%	-0.036	-0.040	-0.117	-0.077
x		100.420%	0.223	0.274	92.857%	-0.034	-0.040	-0.084	-0.059
σ		0.431%	0.044	0.018	0.468%	0.007	0.004	0.034	0.020
%RSD		0.429	19.790	6.626	0.504	21.850	9.240	40.570	33.230

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:18:38	97.448%	1.239	-0.151	-0.171	21.440	21.570	108.993%	110.319%
2	02:19:20	98.552%	1.041	-0.122	-0.177	20.820	21.490	110.641%	111.882%
3	02:20:01	99.136%	1.113	-0.157	-0.170	21.300	21.600	110.708%	112.871%
x		98.379%	1.131	-0.143	-0.173	21.190	21.550	110.114%	111.691%
σ		0.857%	0.100	0.019	0.004	0.324	0.055	0.971%	1.287%
%RSD		0.871	8.846	13.170	2.380	1.530	0.255	0.882	1.152

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:18:38	0.032	0.033	1.247	1.224	1.252	117.737%
2	02:19:20	0.037	0.034	1.315	1.284	1.292	119.616%
3	02:20:01	0.031	0.033	1.168	1.248	1.206	120.855%
x		0.033	0.034	1.243	1.252	1.250	119.403%
σ		0.003	0.001	0.074	0.030	0.043	1.570%
%RSD		10.130	2.213	5.916	2.400	3.439	1.315

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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	02:22:55	69.741%	-0.025	17.530	16.170	0.000	8178.000	2799.000	2824.000
2	02:23:37	69.849%	0.011	14.290	16.130	0.000	8149.000	2783.000	2810.000
3	02:24:19	69.640%	-0.013	13.750	17.180	0.000	8141.000	2786.000	2824.000
x		69.743%	-0.009	15.190	16.490	0.000	8156.000	2789.000	2820.000
σ		0.105%	0.018	2.042	0.595	0.000	19.130	8.293	8.028
%RSD		0.150	206.100	13.440	3.606	0.000	0.235	0.297	0.285

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:22:55	9.290	6982.000	0.000	1089.000	2975.000	2853.000	86.529%	0.804
2	02:23:37	7.172	6887.000	0.000	1083.000	2860.000	2848.000	87.099%	0.665
3	02:24:19	6.371	6892.000	0.000	1092.000	2879.000	2871.000	86.361%	0.721
x		7.611	6921.000	0.000	1088.000	2905.000	2857.000	86.663%	0.730
σ		1.508	53.240	0.000	4.566	61.400	12.400	0.387%	0.070
%RSD		19.810	0.769	0.000	0.420	2.114	0.434	0.446	9.603

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:22:55	6.031	3.212	1.983	16.970	23.970	0.082	0.392	0.325
2	02:23:37	5.044	2.921	1.643	9.325	14.110	0.072	0.306	0.313
3	02:24:19	5.900	3.024	1.614	8.444	12.710	0.075	0.435	0.312
x		5.658	3.052	1.747	11.580	16.930	0.077	0.377	0.317
σ		0.536	0.147	0.205	4.689	6.136	0.005	0.066	0.007
%RSD		9.479	4.823	11.720	40.490	36.250	6.585	17.410	2.328

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:22:55	0.230	9.930	9.919	0.514	-3.202	-3.546	0.000	43.090
2	02:23:37	0.233	9.955	9.775	0.436	-3.782	-2.257	0.000	42.280
3	02:24:19	0.263	9.283	9.213	0.126	-3.567	-3.209	0.000	41.960
x		0.242	9.723	9.636	0.359	-3.517	-3.004	0.000	42.440
σ		0.018	0.381	0.373	0.205	0.293	0.668	0.000	0.584
%RSD		7.438	3.915	3.869	57.200	8.333	22.240	0.000	1.375

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:22:55	95.476%	0.016	0.044	91.978%	-0.030	-0.041	-0.109	-0.089
2	02:23:37	97.071%	0.032	0.049	93.068%	-0.036	-0.044	-0.074	-0.070
3	02:24:19	97.973%	0.020	0.066	93.056%	-0.036	-0.045	-0.137	-0.040
x		96.840%	0.023	0.053	92.701%	-0.034	-0.043	-0.107	-0.066
σ		1.265%	0.008	0.011	0.626%	0.004	0.002	0.032	0.025
%RSD		1.306	35.930	21.300	0.675	10.240	4.454	29.670	37.300

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:22:55	97.537%	0.159	-0.180	-0.181	11.550	11.790	111.397%	111.627%
2	02:23:37	100.050%	-0.002	-0.184	-0.186	11.470	11.850	113.479%	115.008%
3	02:24:19	99.863%	-0.116	-0.183	-0.180	11.650	11.820	114.877%	116.117%
x		99.150%	0.014	-0.182	-0.182	11.560	11.820	113.251%	114.251%
σ		1.400%	0.138	0.002	0.003	0.088	0.030	1.751%	2.339%
%RSD		1.412	1018.000	1.079	1.724	0.759	0.252	1.546	2.047

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:22:55	0.025	0.012	0.042	0.045	0.040	125.226%
2	02:23:37	0.020	0.013	0.029	0.014	0.030	129.182%
3	02:24:19	0.018	0.008	0.012	0.025	0.029	130.533%
x		0.021	0.011	0.028	0.028	0.033	128.314%
σ		0.004	0.002	0.015	0.016	0.006	2.758%
%RSD		17.340	21.620	53.570	55.690	17.850	2.150

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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	02:27:14	71.662%	-0.013	12.350	13.240	0.000	5343.000	5472.000	5568.000
2	02:27:55	73.131%	-0.025	11.930	13.170	0.000	5244.000	5387.000	5412.000
3	02:28:37	71.661%	-0.002	10.700	12.550	0.000	5191.000	5350.000	5410.000
x		72.151%	-0.014	11.660	12.990	0.000	5259.000	5403.000	5463.000
σ		0.849%	0.012	0.856	0.377	0.000	76.920	62.450	90.730
%RSD		1.176	87.440	7.344	2.902	0.000	1.463	1.156	1.661

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:27:14	15.110	4700.000	0.000	1171.000	9864.000	9394.000	86.616%	0.669
2	02:27:55	14.140	4787.000	0.000	1168.000	9638.000	9449.000	85.685%	0.610
3	02:28:37	13.870	4768.000	0.000	1153.000	9631.000	9409.000	85.627%	0.644
x		14.370	4752.000	0.000	1164.000	9711.000	9418.000	85.976%	0.641
σ		0.655	45.780	0.000	9.769	132.700	28.410	0.555%	0.030
%RSD		4.557	0.964	0.000	0.839	1.366	0.302	0.646	4.665

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:27:14	5.423	8.048	9.241	13.980	37.270	0.076	0.080	0.256
2	02:27:55	5.171	8.019	9.367	12.470	39.870	0.063	0.076	0.245
3	02:28:37	3.992	7.704	9.294	9.038	36.330	0.056	0.089	0.226
x		4.862	7.924	9.301	11.830	37.820	0.065	0.082	0.242
σ		0.764	0.191	0.063	2.532	1.833	0.010	0.007	0.016
%RSD		15.710	2.409	0.679	21.400	4.846	15.130	8.159	6.420

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:27:14	0.237	5.559	5.706	-0.164	-4.000	-4.493	0.000	56.790
2	02:27:55	0.198	5.603	5.627	-0.348	-3.434	-2.265	0.000	56.840
3	02:28:37	0.214	5.637	5.234	-0.957	-3.500	-4.358	0.000	56.800
x		0.216	5.600	5.522	-0.490	-3.645	-3.706	0.000	56.810
σ		0.020	0.039	0.253	0.415	0.309	1.249	0.000	0.023
%RSD		9.145	0.699	4.575	84.770	8.484	33.710	0.000	0.041

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:27:14	95.739%	0.079	0.148	92.351%	-0.039	-0.042	-0.193	-0.142
2	02:27:55	96.348%	0.022	0.104	92.395%	-0.038	-0.036	-0.193	-0.116
3	02:28:37	95.941%	0.051	0.042	91.649%	-0.035	-0.036	-0.097	-0.059
x		96.009%	0.051	0.098	92.132%	-0.037	-0.038	-0.161	-0.105
σ		0.310%	0.028	0.053	0.419%	0.002	0.003	0.056	0.043
%RSD		0.323	56.230	54.190	0.454	4.924	9.117	34.670	40.400

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:27:14	97.133%	0.784	-0.171	-0.169	6.944	7.267	109.482%	111.120%
2	02:27:55	98.414%	0.888	-0.173	-0.187	6.538	7.128	109.923%	113.121%
3	02:28:37	98.087%	0.622	-0.170	-0.187	6.827	7.121	109.216%	110.890%
x		97.878%	0.765	-0.171	-0.181	6.770	7.172	109.540%	111.710%
σ		0.665%	0.134	0.002	0.011	0.209	0.082	0.357%	1.227%
%RSD		0.680	17.550	0.952	5.853	3.089	1.143	0.326	1.098

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:27:14	0.013	0.014	0.002	0.016	0.013	118.885%
2	02:27:55	0.014	0.013	0.008	0.011	0.012	120.858%
3	02:28:37	0.013	0.010	0.013	0.020	0.015	119.080%
x		0.013	0.012	0.008	0.016	0.013	119.608%
σ		0.001	0.002	0.006	0.004	0.002	1.088%
%RSD		8.017	15.080	73.330	28.630	13.940	0.909

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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	02:31:30	70.850%	0.010	2.710	2.839	0.000	1053.000	1063.000	1061.000
2	02:32:12	70.514%	-0.025	1.700	2.625	0.000	1031.000	1047.000	1050.000
3	02:32:53	69.177%	0.023	2.399	2.917	0.000	1028.000	1041.000	1064.000
x		70.180%	0.003	2.270	2.794	0.000	1037.000	1050.000	1058.000
σ		0.885%	0.025	0.517	0.151	0.000	13.960	11.410	7.237
%RSD		1.261	917.400	22.800	5.411	0.000	1.346	1.086	0.684

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:31:30	8.682	896.500	0.000	212.500	1653.000	1700.000	98.375%	0.165
2	02:32:12	6.395	883.200	0.000	205.000	1969.000	1681.000	98.588%	0.075
3	02:32:53	5.990	887.400	0.000	201.400	1778.000	1697.000	98.972%	-0.058
x		7.022	889.000	0.000	206.300	1800.000	1693.000	98.645%	0.061
σ		1.452	6.811	0.000	5.701	158.800	10.160	0.303%	0.112
%RSD		20.670	0.766	0.000	2.763	8.822	0.600	0.307	183.800

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:31:30	1.514	1.569	2.382	8.209	8.012	0.042	0.052	0.033
2	02:32:12	1.445	1.477	2.058	1.755	1.924	0.036	0.018	0.039
3	02:32:53	1.433	1.448	1.800	-0.940	2.066	0.013	0.027	0.038
x		1.464	1.498	2.080	3.008	4.001	0.030	0.032	0.037
σ		0.044	0.063	0.291	4.701	3.474	0.015	0.018	0.003
%RSD		2.975	4.222	14.010	156.300	86.840	50.980	55.120	8.748

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:31:30	0.077	2.795	3.125	-0.762	-3.953	-1.671	0.000	11.700
2	02:32:12	-0.002	2.058	2.029	-0.636	-2.105	-3.397	0.000	11.550
3	02:32:53	-0.006	1.776	1.801	-0.950	-3.525	-3.399	0.000	11.580
x		0.023	2.210	2.318	-0.782	-3.194	-2.822	0.000	11.610
σ		0.047	0.526	0.708	0.158	0.968	0.997	0.000	0.079
%RSD		207.300	23.810	30.530	20.210	30.290	35.330	0.000	0.683

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:31:30	96.823%	0.028	0.066	93.839%	-0.038	-0.043	-0.072	-0.060
2	02:32:12	97.649%	-0.025	-0.006	95.628%	-0.029	-0.043	-0.078	-0.048
3	02:32:53	98.012%	0.009	-0.002	94.991%	-0.032	-0.044	-0.146	-0.122
x		97.495%	0.004	0.019	94.819%	-0.033	-0.043	-0.099	-0.077
σ		0.609%	0.027	0.040	0.907%	0.005	0.001	0.041	0.040
%RSD		0.625	703.800	208.400	0.956	13.790	1.684	41.650	52.330

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:31:30	98.767%	-0.340	-0.179	-0.191	1.538	1.590	108.142%	109.054%
2	02:32:12	100.282%	-0.577	-0.194	-0.211	1.612	1.463	111.141%	112.951%
3	02:32:53	100.864%	-0.504	-0.211	-0.207	1.470	1.410	111.790%	113.935%
x		99.971%	-0.474	-0.195	-0.203	1.540	1.488	110.358%	111.980%
σ		1.083%	0.121	0.016	0.011	0.071	0.093	1.946%	2.582%
%RSD		1.083	25.610	8.200	5.237	4.616	6.220	1.764	2.305

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:31:30	0.013	0.006	0.003	0.012	0.012	114.027%
2	02:32:12	0.001	-0.004	0.010	-0.009	0.006	117.529%
3	02:32:53	-0.008	-0.000	-0.003	-0.008	0.003	119.484%
x		0.002	0.001	0.003	-0.002	0.007	117.013%
σ		0.010	0.005	0.006	0.012	0.005	2.764%
%RSD		509.000	891.200	182.200	605.900	65.590	2.362

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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	02:35:45	65.564%	45.720	807.300	822.100	0.000	55820.000	52660.000	52940.000
2	02:36:26	65.615%	44.600	806.200	829.300	0.000	55330.000	51740.000	52560.000
3	02:37:08	65.759%	42.660	802.500	826.400	0.000	55680.000	51710.000	52800.000
x		65.646%	44.330	805.300	825.900	0.000	55610.000	52040.000	52770.000
σ		0.101%	1.550	2.525	3.625	0.000	253.800	543.200	192.500
%RSD		0.154	3.497	0.314	0.439	0.000	0.456	1.044	0.365

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:35:45	1916.000	13310.000	0.000	48680.000	56160.000	58090.000	80.816%	951.100
2	02:36:26	1892.000	13250.000	0.000	48490.000	56550.000	57910.000	80.423%	963.800
3	02:37:08	1922.000	13310.000	0.000	48990.000	57140.000	57190.000	80.211%	972.000
x		1910.000	13290.000	0.000	48720.000	56620.000	57730.000	80.483%	962.300
σ		15.800	33.580	0.000	252.200	491.200	472.400	0.307%	10.510
%RSD		0.827	0.253	0.000	0.518	0.868	0.818	0.381	1.093

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:35:45	497.100	203.900	509.300	1066.000	1217.000	509.400	492.500	231.500
2	02:36:26	499.000	205.400	513.400	1074.000	1236.000	511.100	490.100	232.800
3	02:37:08	508.800	209.900	519.900	1080.000	1239.000	522.300	499.100	238.400
x		501.600	206.400	514.200	1073.000	1231.000	514.300	493.900	234.200
σ		6.299	3.118	5.340	7.001	11.680	6.997	4.641	3.678
%RSD		1.256	1.511	1.039	0.653	0.949	1.361	0.940	1.570

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:35:45	245.700	498.700	501.900	36.880	6.047	8.814	0.000	1078.000
2	02:36:26	246.300	499.000	503.500	35.310	6.075	7.528	0.000	1085.000
3	02:37:08	250.900	510.900	513.200	37.300	6.949	9.477	0.000	1081.000
x		247.600	502.900	506.200	36.500	6.357	8.606	0.000	1081.000
σ		2.835	6.935	6.121	1.048	0.513	0.991	0.000	3.225
%RSD		1.145	1.379	1.209	2.873	8.069	11.510	0.000	0.298

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:35:45	82.558%	1010.000	1069.000	84.411%	48.810	47.330	48.000	41.790
2	02:36:26	82.315%	1018.000	1081.000	84.446%	48.520	46.560	48.350	42.400
3	02:37:08	81.828%	1016.000	1080.000	84.522%	49.050	47.040	47.930	41.910
x		82.234%	1015.000	1076.000	84.460%	48.790	46.980	48.090	42.030
σ		0.372%	4.490	6.780	0.056%	0.264	0.389	0.222	0.324
%RSD		0.452	0.443	0.630	0.067	0.541	0.828	0.462	0.770

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:35:45	90.786%	1933.000	470.300	480.400	1757.000	1812.000	104.965%	107.783%
2	02:36:26	91.104%	1933.000	471.000	477.900	1758.000	1814.000	105.280%	107.768%
3	02:37:08	91.151%	1938.000	472.500	479.700	1767.000	1815.000	104.780%	106.851%
x		91.014%	1935.000	471.300	479.300	1760.000	1814.000	105.008%	107.468%
σ		0.198%	2.958	1.129	1.299	5.344	1.523	0.253%	0.534%
%RSD		0.218	0.153	0.240	0.271	0.304	0.084	0.241	0.497

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:35:45	48.330	47.790	19.380	19.770	19.670	114.706%
2	02:36:26	48.930	47.880	19.490	19.640	19.630	115.404%
3	02:37:08	49.100	47.960	20.100	19.350	19.670	115.494%
x		48.790	47.880	19.660	19.580	19.660	115.201%
σ		0.401	0.086	0.384	0.215	0.021	0.431%
%RSD		0.822	0.179	1.955	1.100	0.109	0.375

180-14628-B-16-C MSD 10/11/2012 2:39:18 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	02:39:59	66.400%	44.840	805.100	839.500	0.000	54820.000	51020.000	52020.000
2	02:40:41	65.744%	44.740	786.100	819.000	0.000	54880.000	51480.000	52270.000
3	02:41:22	62.826%	45.400	806.000	842.800	0.000	56080.000	52540.000	53110.000
x		64.990%	44.990	799.100	833.800	0.000	55260.000	51680.000	52470.000
σ		1.902%	0.356	11.210	12.880	0.000	710.100	780.900	570.900
%RSD		2.927	0.791	1.403	1.545	0.000	1.285	1.511	1.088

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:39:59	1888.000	13160.000	0.000	48100.000	56320.000	57910.000	80.357%	960.600
2	02:40:41	1909.000	13110.000	0.000	48510.000	56260.000	57780.000	80.051%	963.900
3	02:41:22	1900.000	13270.000	0.000	48410.000	56040.000	56460.000	80.614%	958.900
x		1899.000	13180.000	0.000	48340.000	56210.000	57390.000	80.341%	961.100
σ		10.910	83.200	0.000	211.500	149.800	802.000	0.282%	2.533
%RSD		0.575	0.631	0.000	0.438	0.267	1.398	0.350	0.264

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:39:59	498.500	204.900	511.000	1072.000	1235.000	513.500	492.800	234.200
2	02:40:41	502.500	207.800	519.900	1074.000	1226.000	515.500	496.200	234.800
3	02:41:22	495.900	204.600	513.100	1063.000	1232.000	507.800	488.100	231.900
x		499.000	205.800	514.700	1070.000	1231.000	512.300	492.300	233.600
σ		3.325	1.803	4.685	6.044	4.151	3.984	4.067	1.529
%RSD		0.666	0.876	0.910	0.565	0.337	0.778	0.826	0.655

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:39:59	248.300	505.100	508.200	36.810	5.891	8.204	0.000	1093.000
2	02:40:41	247.300	512.100	512.200	36.660	4.589	8.264	0.000	1076.000
3	02:41:22	246.500	503.400	506.200	36.930	5.861	8.115	0.000	1093.000
x		247.400	506.900	508.900	36.800	5.447	8.194	0.000	1087.000
σ		0.893	4.635	3.020	0.135	0.743	0.075	0.000	9.847
%RSD		0.361	0.915	0.593	0.367	13.640	0.918	0.000	0.906

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:39:59	80.603%	1026.000	1082.000	83.093%	49.090	47.260	47.940	41.930
2	02:40:41	81.354%	1028.000	1085.000	83.200%	49.020	47.480	48.720	41.660
3	02:41:22	81.553%	1028.000	1086.000	83.062%	49.590	47.540	48.820	42.150
x		81.170%	1027.000	1084.000	83.118%	49.230	47.430	48.490	41.910
σ		0.501%	0.992	2.305	0.073%	0.311	0.148	0.482	0.246
%RSD		0.617	0.097	0.213	0.088	0.632	0.311	0.993	0.587

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:39:59	89.036%	1951.000	473.400	482.100	1766.000	1811.000	102.539%	104.532%
2	02:40:41	90.405%	1942.000	473.000	479.700	1753.000	1800.000	106.273%	107.235%
3	02:41:22	91.008%	1953.000	474.700	486.200	1763.000	1822.000	105.356%	108.165%
x		90.149%	1949.000	473.700	482.700	1760.000	1811.000	104.723%	106.644%
σ		1.011%	5.656	0.894	3.305	6.598	10.980	1.946%	1.887%
%RSD		1.121	0.290	0.189	0.685	0.375	0.606	1.858	1.770

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:39:59	48.840	47.830	19.570	19.770	19.750	113.013%
2	02:40:41	48.720	47.870	19.620	19.420	19.550	116.037%
3	02:41:22	49.000	47.480	19.500	19.740	19.530	117.816%
x		48.850	47.730	19.560	19.640	19.610	115.622%
σ		0.136	0.214	0.061	0.195	0.120	2.428%
%RSD		0.279	0.448	0.312	0.991	0.610	2.100

CCV 586960 10/11/2012 2:46:26 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	02:47:08	78.538%	101.000	99.250	93.390	0.000	51630.000	50230.000	50210.000
2	02:47:50	77.475%	101.700	92.500	91.120	0.000	51350.000	49920.000	50020.000
3	02:48:31	76.851%	103.900	95.410	91.240	0.000	51870.000	50190.000	50430.000
x		77.621%	102.197%	95.720%	91.917%	0.000	103.232%	100.230%	100.433%
σ		0.853%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.099	1.474	3.541	1.392	0.000	0.500	0.331	0.413

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:47:08	496.600	4960.000	0.000	49610.000	48490.000	49240.000	93.843%	98.690
2	02:47:50	492.800	4918.000	0.000	50000.000	48790.000	49260.000	93.621%	99.130
3	02:48:31	495.100	4969.000	0.000	50310.000	48340.000	49740.000	93.408%	99.210
x		98.965%	98.978%	0.000	99.946%	97.083%	98.831%	93.624%	99.009%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.217%	n/a
%RSD		0.384	0.553	0.000	0.708	0.475	0.570	0.232	0.280

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:47:08	97.440	99.130	493.300	25690.000	25370.000	99.510	97.910	96.530
2	02:47:50	97.690	99.030	498.300	25720.000	25740.000	101.600	100.900	97.180
3	02:48:31	96.960	101.300	502.400	25970.000	25820.000	100.600	99.210	97.740
x		97.365%	99.818%	99.601%	103.183%	102.568%	100.570%	99.346%	97.150%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.380	1.278	0.911	0.598	0.936	1.048	1.513	0.625

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:47:08	98.840	105.900	106.700	95.780	94.570	94.230	0.000	94.690
2	02:47:50	100.400	107.300	108.000	97.900	95.550	96.660	0.000	95.610
3	02:48:31	100.400	107.900	105.800	96.050	95.420	96.090	0.000	95.220
x		99.847%	107.062%	106.832%	96.576%	95.179%	95.658%	0.000	95.174%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.878	0.957	1.030	1.196	0.562	1.326	0.000	0.486

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:47:08	95.754%	96.100	98.540	92.094%	97.690	97.350	98.480	96.670
2	02:47:50	95.602%	100.000	102.900	92.193%	99.220	98.210	98.690	97.670
3	02:48:31	96.096%	99.960	104.400	93.012%	98.090	96.930	99.450	97.620
x		95.817%	98.693%	101.941%	92.433%	98.333%	97.499%	98.873%	97.319%
σ		0.253%	n/a	n/a	0.504%	n/a	n/a	n/a	n/a
%RSD		0.264	2.273	2.977	0.545	0.811	0.671	0.514	0.580

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:47:08	94.501%	99.600	98.300	98.160	95.540	94.140	99.975%	101.527%
2	02:47:50	95.429%	99.170	97.680	98.540	94.050	96.320	100.948%	103.385%
3	02:48:31	96.404%	98.940	98.920	99.390	94.670	94.960	101.649%	104.356%
x		95.445%	99.238%	98.299%	98.694%	94.754%	95.139%	100.857%	103.089%
σ		0.952%	n/a	n/a	n/a	n/a	n/a	0.841%	1.437%
%RSD		0.997	0.341	0.631	0.636	0.791	1.157	0.834	1.394

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:47:08	103.900	103.900	104.300	104.800	104.700	102.716%
2	02:47:50	103.900	104.600	104.800	106.600	105.700	103.025%
3	02:48:31	104.800	103.800	104.700	106.100	105.600	104.359%
x		104.191%	104.091%	104.624%	105.825%	105.315%	103.367%
σ		n/a	n/a	n/a	n/a	n/a	0.873%
%RSD		0.466	0.386	0.292	0.900	0.515	0.845

CCB12 10/11/2012 2:53:38 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	02:54:19	94.991%	0.122	2.536	2.368	0.000	80.400	51.620	52.630
2	02:55:01	97.667%	0.015	2.633	2.276	0.000	52.240	37.840	36.710
3	02:55:43	99.947%	0.064	1.310	1.791	0.000	35.740	23.810	23.520
x		97.535%	0.067	2.160	2.145	0.000	56.120	37.750	37.620
σ		2.481%	0.054	0.737	0.310	0.000	22.580	13.900	14.580
%RSD		2.543	80.140	34.130	14.460	0.000	40.240	36.830	38.750

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:54:19	12.640	5.766	0.000	48.980	64.240	59.830	109.965%	0.149
2	02:55:01	11.090	3.194	0.000	25.720	54.580	46.280	111.083%	0.172
3	02:55:43	9.581	1.854	0.000	13.550	37.650	29.320	112.172%	0.066
x		11.100	3.605	0.000	29.420	52.160	45.140	111.073%	0.129
σ		1.527	1.988	0.000	18.000	13.460	15.290	1.104%	0.056
%RSD		13.760	55.150	0.000	61.190	25.800	33.870	0.994	43.470

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:54:19	0.254	0.101	1.514	23.570	26.870	0.207	0.204	0.380
2	02:55:01	0.096	0.058	1.054	15.240	19.890	0.151	0.194	0.336
3	02:55:43	0.130	0.049	0.681	7.981	13.780	0.074	0.091	0.270
x		0.160	0.069	1.083	15.590	20.180	0.144	0.163	0.329
σ		0.083	0.028	0.417	7.799	6.547	0.067	0.063	0.055
%RSD		51.790	40.320	38.520	50.010	32.440	46.320	38.440	16.800

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:54:19	0.347	4.401	4.389	-0.619	-1.622	-3.103	0.000	0.712
2	02:55:01	0.318	3.628	3.587	-0.803	-1.887	-3.277	0.000	0.446
3	02:55:43	0.263	3.197	3.048	-0.570	-1.212	-2.499	0.000	0.267
x		0.309	3.742	3.674	-0.664	-1.574	-2.960	0.000	0.475
σ		0.043	0.610	0.675	0.123	0.340	0.408	0.000	0.224
%RSD		13.830	16.310	18.370	18.520	21.600	13.800	0.000	47.150

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:54:19	104.104%	1.021	1.148	100.217%	0.070	0.062	0.027	0.069
2	02:55:01	104.936%	0.887	0.937	101.739%	0.025	0.022	-0.055	-0.004
3	02:55:43	105.011%	0.710	0.721	101.969%	0.013	-0.011	0.041	0.044
x		104.684%	0.873	0.935	101.308%	0.036	0.024	0.004	0.036
σ		0.503%	0.156	0.214	0.952%	0.030	0.037	0.052	0.037
%RSD		0.481	17.920	22.860	0.940	84.020	151.900	1242.000	101.100

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:54:19	100.996%	0.178	0.008	-0.024	0.632	0.675	103.721%	105.221%
2	02:55:01	101.685%	0.462	-0.041	-0.043	0.339	0.418	105.724%	107.261%
3	02:55:43	102.500%	0.316	-0.107	-0.096	0.324	0.273	105.311%	107.054%
x		101.727%	0.319	-0.046	-0.055	0.431	0.455	104.918%	106.512%
σ		0.753%	0.142	0.058	0.037	0.174	0.204	1.058%	1.123%
%RSD		0.740	44.580	124.700	68.320	40.260	44.750	1.008	1.054

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:54:19	0.193	0.149	0.090	0.097	0.104	110.581%
2	02:55:01	0.106	0.108	0.090	0.067	0.077	112.475%
3	02:55:43	0.076	0.089	0.044	0.061	0.053	111.422%
x		0.125	0.116	0.075	0.075	0.078	111.493%
σ		0.061	0.031	0.026	0.019	0.026	0.949%
%RSD		48.630	26.570	35.270	25.430	32.880	0.851

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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	02:58:37	66.268%	0.052	14.330	14.590	0.000	3971.000	4905.000	4918.000
2	02:59:18	65.699%	0.091	14.330	13.970	0.000	3978.000	4924.000	4952.000
3	03:00:00	65.623%	0.027	11.830	14.240	0.000	3930.000	4819.000	4888.000
x		65.863%	0.056	13.490	14.270	0.000	3959.000	4883.000	4920.000
σ		0.353%	0.032	1.443	0.314	0.000	25.870	55.550	32.130
%RSD		0.536	56.920	10.690	2.198	0.000	0.653	1.138	0.653

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:58:37	7.660	5148.000	0.000	1194.000	7151.000	6821.000	80.439%	1.036
2	02:59:18	7.697	5192.000	0.000	1208.000	7346.000	6900.000	79.444%	1.140
3	03:00:00	7.667	4895.000	0.000	1192.000	7100.000	6857.000	79.796%	0.844
x		7.675	5078.000	0.000	1198.000	7199.000	6859.000	79.893%	1.007
σ		0.020	160.400	0.000	8.738	129.800	39.280	0.505%	0.150
%RSD		0.259	3.159	0.000	0.729	1.803	0.573	0.632	14.900

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:58:37	2.219	1.722	1007.000	801.600	807.500	0.529	0.103	1.113
2	02:59:18	1.859	1.584	1017.000	793.200	793.600	0.507	0.139	1.120
3	03:00:00	2.202	1.543	1008.000	786.500	795.700	0.493	0.095	1.119
x		2.093	1.616	1010.000	793.800	798.900	0.510	0.112	1.117
σ		0.203	0.094	5.321	7.602	7.485	0.018	0.023	0.004
%RSD		9.688	5.797	0.527	0.958	0.937	3.551	20.810	0.344

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:58:37	1.179	11.660	11.630	1.652	-3.187	-3.786	0.000	49.730
2	02:59:18	1.044	10.960	10.840	1.489	-3.156	-3.602	0.000	49.570
3	03:00:00	1.197	11.290	10.890	1.809	-4.504	-4.832	0.000	49.590
x		1.140	11.300	11.120	1.650	-3.616	-4.073	0.000	49.630
σ		0.084	0.354	0.440	0.160	0.770	0.663	0.000	0.087
%RSD		7.356	3.129	3.958	9.694	21.280	16.290	0.000	0.176

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:58:37	89.398%	0.912	0.974	85.872%	-0.029	-0.040	0.514	0.339
2	02:59:18	90.310%	0.690	0.680	86.356%	-0.030	-0.042	0.600	0.557
3	03:00:00	91.221%	0.480	0.508	86.486%	-0.041	-0.041	0.529	0.460
x		90.310%	0.694	0.721	86.238%	-0.033	-0.041	0.548	0.452
σ		0.911%	0.216	0.236	0.324%	0.006	0.001	0.046	0.109
%RSD		1.009	31.110	32.730	0.375	18.890	1.826	8.410	24.150

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:58:37	90.580%	10.610	-0.072	-0.044	5.847	6.143	100.974%	104.248%
2	02:59:18	91.695%	8.467	-0.071	-0.104	5.809	6.049	103.373%	106.706%
3	03:00:00	93.992%	7.005	-0.079	-0.097	5.862	5.963	106.510%	108.510%
x		92.089%	8.694	-0.074	-0.082	5.839	6.051	103.619%	106.488%
σ		1.740%	1.814	0.005	0.033	0.027	0.090	2.776%	2.139%
%RSD		1.889	20.860	6.179	39.830	0.467	1.483	2.679	2.009

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:58:37	0.082	0.079	0.068	0.077	0.082	113.280%
2	02:59:18	0.084	0.078	0.081	0.085	0.077	117.320%
3	03:00:00	0.049	0.060	0.064	0.092	0.062	119.888%
x		0.072	0.072	0.071	0.085	0.073	116.830%
σ		0.020	0.011	0.009	0.007	0.010	3.331%
%RSD		27.590	14.610	12.440	8.850	14.060	2.851

180-14628-C-18-A 10/11/2012 3:02:11 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	03:02:52	70.105%	-0.001	16.030	15.650	0.000	4987.000	2350.000	2337.000
2	03:03:34	71.150%	-0.002	15.900	16.240	0.000	4962.000	2328.000	2325.000
3	03:04:15	72.138%	-0.037	15.300	16.430	0.000	4951.000	2307.000	2342.000
x		71.131%	-0.013	15.740	16.110	0.000	4967.000	2328.000	2335.000
σ		1.017%	0.021	0.390	0.405	0.000	18.760	21.090	8.670
%RSD		1.429	156.600	2.480	2.516	0.000	0.378	0.906	0.371

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:02:52	2.283	4881.000	0.000	1860.000	5495.000	5287.000	85.050%	0.718
2	03:03:34	1.944	4900.000	0.000	1841.000	5402.000	5235.000	87.187%	0.814
3	03:04:15	1.576	4711.000	0.000	1885.000	5453.000	5270.000	87.536%	0.760
x		1.934	4830.000	0.000	1862.000	5450.000	5264.000	86.591%	0.764
σ		0.354	104.300	0.000	21.950	46.360	26.440	1.345%	0.048
%RSD		18.300	2.158	0.000	1.179	0.851	0.502	1.554	6.287

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:02:52	1.913	1.486	1426.000	30710.000	30940.000	3.457	0.130	0.369
2	03:03:34	1.910	1.606	1403.000	30420.000	30680.000	3.394	0.149	0.461
3	03:04:15	1.328	1.615	1425.000	30830.000	31260.000	3.519	0.180	0.390
x		1.717	1.569	1418.000	30650.000	30960.000	3.457	0.153	0.407
σ		0.337	0.072	12.800	206.500	289.100	0.062	0.025	0.048
%RSD		19.620	4.569	0.903	0.674	0.934	1.807	16.270	11.800

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:02:52	0.437	7.751	7.468	9.961	-2.836	-2.699	0.000	85.380
2	03:03:34	0.470	7.564	7.417	9.189	-3.913	-4.894	0.000	84.500
3	03:04:15	0.422	7.113	7.478	10.480	-3.942	-2.805	0.000	85.370
x		0.443	7.476	7.454	9.878	-3.564	-3.466	0.000	85.080
σ		0.024	0.328	0.033	0.652	0.631	1.238	0.000	0.502
%RSD		5.483	4.387	0.444	6.600	17.690	35.710	0.000	0.590

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:02:52	93.826%	1.418	1.367	90.723%	-0.041	-0.039	-0.008	0.020
2	03:03:34	96.135%	1.242	1.362	92.788%	-0.039	-0.045	-0.083	-0.128
3	03:04:15	96.897%	1.257	1.407	93.459%	-0.036	-0.036	-0.116	-0.098
x		95.620%	1.306	1.379	92.323%	-0.039	-0.040	-0.069	-0.069
σ		1.599%	0.098	0.025	1.426%	0.002	0.004	0.055	0.079
%RSD		1.673	7.467	1.793	1.545	5.828	11.070	79.890	114.300

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:02:52	95.616%	4.934	-0.139	-0.141	13.330	13.390	108.259%	109.655%
2	03:03:34	97.917%	5.024	-0.127	-0.137	13.520	13.340	108.492%	111.771%
3	03:04:15	97.277%	5.320	-0.148	-0.127	13.700	13.330	108.685%	111.289%
x		96.937%	5.093	-0.138	-0.135	13.520	13.350	108.478%	110.905%
σ		1.187%	0.202	0.011	0.008	0.187	0.030	0.213%	1.109%
%RSD		1.225	3.964	7.625	5.562	1.381	0.222	0.197	1.000

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	03:02:52	0.063	0.066	0.027	0.043	0.036	118.510%
2	03:03:34	0.066	0.057	0.053	0.024	0.046	120.655%
3	03:04:15	0.065	0.074	0.022	0.032	0.025	119.524%
x		0.065	0.066	0.034	0.033	0.036	119.563%
σ		0.002	0.009	0.017	0.010	0.010	1.073%
%RSD		2.696	13.450	49.260	28.930	28.640	0.898

180-14666-A-2-A 10/11/2012 3:06:26 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	03:07:08	71.180%	0.234	25.140	27.760	0.000	12850.000	16310.000	16350.000
2	03:07:49	68.177%	0.098	26.160	26.120	0.000	13080.000	16500.000	16580.000
3	03:08:31	68.459%	0.208	25.190	25.970	0.000	12940.000	16570.000	16750.000
x		69.272%	0.180	25.490	26.610	0.000	12960.000	16460.000	16560.000
σ		1.658%	0.072	0.574	0.992	0.000	117.300	133.000	200.200
%RSD		2.394	40.030	2.249	3.726	0.000	0.906	0.808	1.209

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:07:08	4877.000	8767.000	0.000	6729.000	20930.000	20690.000	84.521%	69.270
2	03:07:49	4923.000	8742.000	0.000	6779.000	21520.000	20850.000	83.350%	67.180
3	03:08:31	4900.000	8730.000	0.000	6765.000	21590.000	20880.000	83.323%	71.240
x		4900.000	8746.000	0.000	6758.000	21350.000	20810.000	83.732%	69.230
σ		23.190	18.620	0.000	25.460	359.900	98.170	0.684%	2.032
%RSD		0.473	0.213	0.000	0.377	1.686	0.472	0.817	2.935

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:07:08	6.289	23.000	747.700	44410.000	45490.000	3.731	2.996	10.280
2	03:07:49	5.918	23.500	762.200	44940.000	46190.000	3.706	2.801	10.540
3	03:08:31	6.146	23.190	763.100	44670.000	46120.000	3.682	2.834	10.630
x		6.118	23.230	757.700	44670.000	45940.000	3.706	2.877	10.480
σ		0.187	0.251	8.637	263.200	387.200	0.024	0.104	0.185
%RSD		3.061	1.080	1.140	0.589	0.843	0.659	3.625	1.763

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:07:08	11.380	24.250	27.580	0.212	-4.129	-4.842	0.000	265.500
2	03:07:49	11.340	24.340	26.880	2.037	-3.588	-3.139	0.000	269.100
3	03:08:31	11.300	24.440	25.770	0.580	-4.016	-4.712	0.000	271.200
x		11.340	24.340	26.740	0.943	-3.911	-4.231	0.000	268.600
σ		0.040	0.096	0.912	0.965	0.286	0.948	0.000	2.885
%RSD		0.353	0.396	3.409	102.300	7.300	22.400	0.000	1.074

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:07:08	96.617%	1.232	1.266	87.948%	-0.013	-0.027	0.514	0.521
2	03:07:49	96.786%	1.235	1.285	87.730%	-0.021	-0.027	0.619	0.521
3	03:08:31	96.905%	1.180	1.387	87.791%	-0.026	-0.036	0.425	0.406
x		96.769%	1.216	1.313	87.823%	-0.020	-0.030	0.519	0.483
σ		0.145%	0.031	0.065	0.112%	0.006	0.005	0.097	0.066
%RSD		0.150	2.527	4.952	0.128	31.420	17.650	18.700	13.760

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:07:08	92.534%	4.067	-0.020	-0.008	857.300	873.800	103.055%	106.676%
2	03:07:49	93.188%	3.605	-0.017	-0.073	860.200	880.200	106.385%	108.432%
3	03:08:31	93.912%	3.314	-0.047	-0.056	861.000	882.600	107.640%	109.668%
x		93.211%	3.662	-0.028	-0.046	859.500	878.900	105.693%	108.259%
σ		0.689%	0.380	0.017	0.033	1.953	4.575	2.370%	1.504%
%RSD		0.739	10.380	58.890	73.060	0.227	0.521	2.242	1.389

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	03:07:08	0.072	0.065	5.090	5.143	5.029	113.218%
2	03:07:49	0.058	0.069	5.172	5.078	5.077	116.433%
3	03:08:31	0.071	0.064	5.155	5.244	5.158	117.622%
x		0.067	0.066	5.139	5.155	5.088	115.758%
σ		0.008	0.003	0.043	0.083	0.065	2.278%
%RSD		12.020	4.317	0.842	1.617	1.287	1.968

CCV 586960 10/11/2012 3:13:36 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	03:14:18	83.203%	99.840	89.660	88.830	0.000	50590.000	49180.000	49270.000
2	03:14:59	81.783%	100.800	90.380	89.820	0.000	51590.000	49780.000	49920.000
3	03:15:41	79.823%	100.500	92.270	87.010	0.000	51770.000	50420.000	50330.000
x		81.603%	100.382%	90.769%	88.555%	0.000	102.631%	99.588%	99.680%
σ		1.697%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		2.080	0.486	1.483	1.607	0.000	1.238	1.244	1.071

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:14:18	487.100	4909.000	0.000	49270.000	47150.000	48610.000	98.151%	98.340
2	03:14:59	493.400	4982.000	0.000	50020.000	48390.000	49550.000	96.639%	100.600
3	03:15:41	495.500	5028.000	0.000	50290.000	48410.000	49510.000	96.490%	99.880
x		98.403%	99.464%	0.000	99.717%	95.966%	98.445%	97.093%	99.605%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.919%	n/a
%RSD		0.884	1.204	0.000	1.061	1.503	1.081	0.946	1.152

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:14:18	96.760	98.390	487.700	25450.000	25050.000	98.770	97.890	97.490
2	03:14:59	97.990	100.200	498.200	25880.000	25630.000	101.300	100.100	98.340
3	03:15:41	98.420	100.100	497.700	25770.000	25730.000	101.200	100.400	97.190
x		97.721%	99.571%	98.903%	102.802%	101.882%	100.440%	99.476%	97.672%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.880	1.033	1.198	0.875	1.427	1.442	1.384	0.613

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:14:18	99.460	104.800	103.400	97.200	95.860	94.990	0.000	94.620
2	03:14:59	100.200	105.000	103.000	96.010	96.640	96.150	0.000	94.210
3	03:15:41	100.900	107.600	105.300	96.210	95.150	94.800	0.000	95.270
x		100.199%	105.808%	103.921%	96.472%	95.882%	95.312%	0.000	94.700%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.721	1.465	1.186	0.659	0.778	0.767	0.000	0.563

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:14:18	98.491%	95.800	97.860	95.745%	97.350	96.060	98.160	97.570
2	03:14:59	98.703%	97.780	99.900	96.118%	96.720	96.420	97.600	96.310
3	03:15:41	98.285%	100.200	102.600	94.768%	99.310	97.620	97.150	96.600
x		98.493%	97.913%	100.122%	95.544%	97.794%	96.703%	97.638%	96.826%
σ		0.209%	n/a	n/a	0.697%	n/a	n/a	n/a	n/a
%RSD		0.212	2.231	2.380	0.730	1.383	0.845	0.519	0.685

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:14:18	97.584%	98.420	98.200	97.780	95.200	94.000	102.126%	104.176%
2	03:14:59	97.574%	97.850	97.750	97.560	93.680	94.280	101.910%	104.577%
3	03:15:41	97.313%	99.050	99.480	98.780	94.880	95.400	101.841%	104.181%
x		97.490%	98.440%	98.476%	98.039%	94.587%	94.564%	101.959%	104.311%
σ		0.154%	n/a	n/a	n/a	n/a	n/a	0.149%	0.231%
%RSD		0.158	0.612	0.912	0.666	0.847	0.784	0.146	0.221

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	03:14:18	102.800	102.800	104.100	104.900	104.600	103.208%
2	03:14:59	103.300	103.900	104.900	106.000	105.300	102.832%
3	03:15:41	104.300	104.200	105.200	106.300	105.800	103.162%
x		103.472%	103.636%	104.740%	105.716%	105.219%	103.067%
σ		n/a	n/a	n/a	n/a	n/a	0.205%
%RSD		0.718	0.711	0.545	0.709	0.593	0.199

CCB13 10/11/2012 3:20:47 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	03:21:28	100.839%	0.072	0.787	0.684	0.000	72.700	44.410	43.440
2	03:22:10	103.897%	0.028	-0.017	0.718	0.000	44.950	27.700	29.730
3	03:22:52	102.023%	0.029	0.089	0.633	0.000	31.940	20.390	19.640
x		102.253%	0.043	0.286	0.678	0.000	49.870	30.830	30.930
σ		1.542%	0.025	0.437	0.043	0.000	20.820	12.310	11.950
%RSD		1.508	57.910	152.700	6.290	0.000	41.750	39.940	38.620

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:21:28	11.670	4.143	0.000	42.370	55.400	58.030	114.071%	0.139
2	03:22:10	10.520	1.599	0.000	19.230	46.210	38.470	115.138%	0.086
3	03:22:52	9.819	0.627	0.000	12.200	30.060	27.780	116.240%	0.022
x		10.670	2.123	0.000	24.600	43.890	41.430	115.150%	0.082
σ		0.934	1.816	0.000	15.790	12.830	15.340	1.085%	0.059
%RSD		8.756	85.530	0.000	64.180	29.230	37.030	0.942	71.510

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:21:28	0.058	0.093	1.473	30.290	33.030	0.098	0.157	0.307
2	03:22:10	0.057	0.018	0.972	18.290	19.200	0.072	0.148	0.252
3	03:22:52	0.100	0.039	0.639	10.410	16.720	0.047	0.113	0.201
x		0.071	0.050	1.028	19.670	22.980	0.072	0.140	0.253
σ		0.025	0.039	0.420	10.010	8.787	0.025	0.023	0.053
%RSD		34.490	77.170	40.860	50.910	38.240	35.110	16.600	20.850

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:21:28	0.280	4.234	3.929	-0.688	-1.485	-2.539	0.000	0.493
2	03:22:10	0.209	3.197	3.318	-0.667	-0.988	-2.791	0.000	0.297
3	03:22:52	0.185	2.825	3.047	-0.690	-1.980	-2.924	0.000	0.196
x		0.225	3.419	3.431	-0.682	-1.484	-2.752	0.000	0.329
σ		0.049	0.730	0.452	0.013	0.496	0.196	0.000	0.151
%RSD		21.880	21.360	13.160	1.891	33.430	7.107	0.000	45.940

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:21:28	106.744%	0.637	0.710	103.563%	0.046	0.035	0.082	0.092
2	03:22:10	108.110%	0.535	0.544	105.609%	0.021	0.012	-0.053	0.007
3	03:22:52	108.915%	0.394	0.520	105.505%	0.002	-0.004	0.032	0.003
x		107.923%	0.522	0.591	104.892%	0.023	0.014	0.021	0.034
σ		1.098%	0.122	0.104	1.152%	0.022	0.020	0.069	0.051
%RSD		1.017	23.360	17.510	1.099	94.600	137.800	332.600	147.900

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:21:28	103.484%	-0.351	-0.061	-0.080	0.335	0.446	106.139%	107.834%
2	03:22:10	105.604%	-0.330	-0.103	-0.139	0.287	0.269	107.530%	108.204%
3	03:22:52	105.857%	-0.118	-0.130	-0.104	0.218	0.117	106.776%	108.485%
x		104.982%	-0.267	-0.098	-0.108	0.280	0.277	106.815%	108.174%
σ		1.303%	0.129	0.035	0.030	0.059	0.165	0.696%	0.327%
%RSD		1.241	48.330	35.430	27.430	20.900	59.400	0.652	0.302

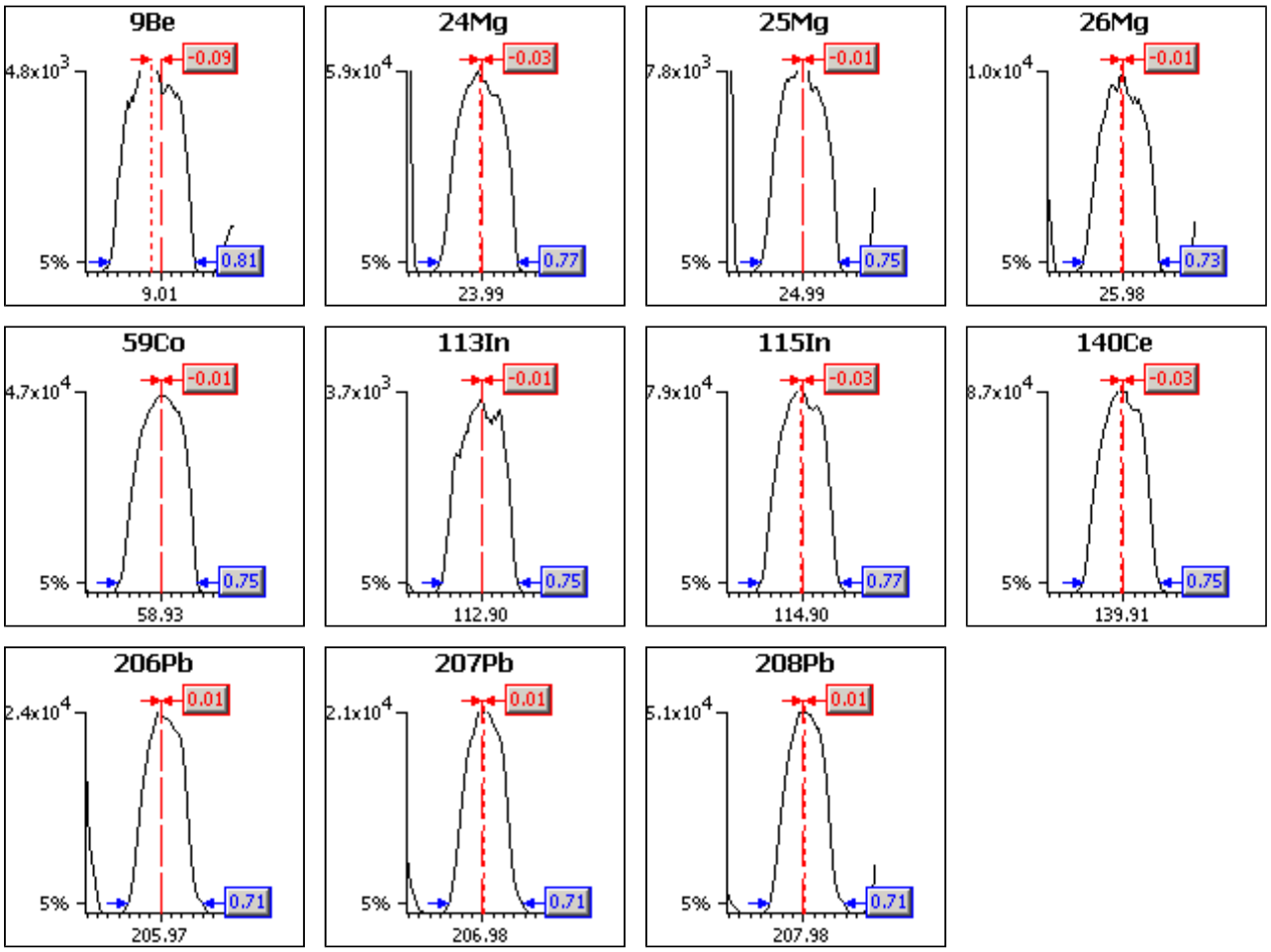
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	03:21:28	0.107	0.105	0.111	0.075	0.106	111.816%
2	03:22:10	0.058	0.061	0.070	0.045	0.070	112.682%
3	03:22:52	0.052	0.048	0.038	0.049	0.053	112.324%
x		0.072	0.071	0.073	0.056	0.076	112.274%
σ		0.030	0.030	0.037	0.016	0.027	0.435%
%RSD		42.140	41.520	50.390	29.170	35.840	0.388

Performance Report

Sample details
Sample name : ITUNE
Acquired at : 10/10/2012 2:10:29 PM
Report name : EPA ILM05.2 / 6020A 2.1 [3/8/2011 3:38:46 PM]

Mass Calibration verification

Acquisition parameters
Sweeps : 50
Dwell : 1.0 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	0.40	0.10	0.81	-0.09
24Mg	0.90	0.40	0.10	0.77	-0.03
25Mg	0.90	0.40	0.10	0.75	-0.01
26Mg	0.90	0.40	0.10	0.73	-0.01
59Co	0.90	0.40	0.10	0.75	-0.01
113In	0.90	0.40	0.10	0.75	-0.01
115In	0.90	0.40	0.10	0.77	-0.03
140Ce	0.90	0.40	0.10	0.75	-0.03
206Pb	0.90	0.40	0.10	0.71	0.01
207Pb	0.90	0.40	0.10	0.71	0.01
208Pb	0.90	0.40	0.10	0.71	0.01

Sample details
Sample name : ITUNE
Acquired at : 10/10/2012 2:10:29 PM
Report name : EPA ILM05.2 / 6020A 2.1 [3/8/2011 3:38:46 PM]

Tune conditions

Major	
Extraction	-129
Lens 1	4.7
Focus	20.2
D1	-35.3
Pole Bias	2.0
Hexapole Bias	-4.0
Nebuliser	0.87
Sampling Depth	200

Minor	
Lens 2	-29.0
Lens 3	-182.7
Forward power	1404
Horizontal	80
Vertical	577
D2	-151
DA	-54.1
Cool	15.0
Auxiliary	0.80

Global	
Standard resolution	n/a
High resolution	n/a
Analogue Detector	n/a
PC Detector	n/a

Add. Gases	
CCT1	0.00
CCT2	0.00

Sensitivity and stability results

Acquisition parameters
Sweeps : 180

Run	Time	5Bkg	9Be	24Mg	25Mg	26Mg	59Co	113In	115In
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%	5.0%	5.0%
	Countrate	-	>1000	>500	>500	>500	>500	>500	>10000
1	2:11:17 PM	0	4373	60760	7989	9418	48676	3460	79655
2	2:12:30 PM	0	4474	61266	8072	9574	49332	3401	79049
3	2:13:43 PM	0	4564	61506	8134	9578	49611	3439	79285
4	2:14:55 PM	0	4398	61729	8064	9620	49196	3479	79480
5	2:16:08 PM	0	4298	60961	7964	9427	49239	3527	80463
x		0	4421	61244	8045	9523	49211	3461	79586
σ		0.07	101.81	393.51	68.48	94.12	340.05	47.06	539.25
%RSD		223.607	2.303	0.643	0.851	0.988	0.691	1.360	0.678

Run	Time	140Ce	156Ce O	206Pb	207Pb	208Pb	220Bkg
Dwell (mSecs)		0.0	0.0	0.0	0.0	0.0	0.0
Limits	%RSD	5.0%	-	5.0%	5.0%	5.0%	-
	Countrate	>10000	-	>1000	>1000	>5000	-
1	2:11:17 PM	89416	1014	23719	22086	50459	0
2	2:12:30 PM	88744	1014	23444	22386	49881	0
3	2:13:43 PM	89447	1068	23548	22137	49668	0
4	2:14:55 PM	89400	1069	23435	22288	50295	0
5	2:16:08 PM	89753	1027	23982	22620	51103	0
x		89352	1038	23626	22304	50281	0
σ		369.53	27.88	229.84	213.61	557.62	0.07
%RSD		0.414	2.685	0.973	0.958	1.109	162.980

Ratio results

Run	Time	156Ce O/140Ce
Ratio limits		<0.0500
1	2:11:17 PM	0
2	2:12:30 PM	0
3	2:13:43 PM	0
4	2:14:55 PM	0
5	2:16:08 PM	0
x		0.0116
σ		0.00
%RSD		2.5853

Result : The performance report passed.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Batch Number: 50753 Batch Start Date: 10/04/12 07:45 Batch Analyst: Haluck, Caitlyn

Batch Method: 3010A Batch End Date: 10/04/12 11:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAPITTICPMS 00009	MTAPITTMSA 00009	MTAPITTMSC 00014	
MB 180-50753/1		3010A, 6020A		50 mL	50 mL				
LCS 180-50753/2		3010A, 6020A		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
180-14654-C-2	TMP-2	3010A, 6020A	T	50 mL	50 mL				
180-14654-C-3	MW-107	3010A, 6020A	T	50 mL	50 mL				
180-14654-C-4	MW-111	3010A, 6020A	T	50 mL	50 mL				
180-14654-C-6	MW-103	3010A, 6020A	T	50 mL	50 mL				
180-14677-C-11 MS		3010A, 6020A	T	50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
180-14677-C-11 MSD		3010A, 6020A	T	50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	

Batch Notes	
Batch Comment	METALS A2
First End time	1145
Lot # of hydrochloric acid	5ml 585116
Lot # of Nitric Acid	3ml 580750
Hot Block ID number	#4
Oven, Bath or Block Temperature 1	94 Degrees C
Pipette ID	03F95602
Person who witnessed spiking	CH
First Start time	745
ID number of the thermometer	IP40 (-1.0)
Digestion Tube/Cup Lot #	1205258
Uncorrected Temperature	95 Degrees C
Vendor of Reagent used	Macron

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 180-14654-1

SDG No.:

Batch Number: 51073 Batch Start Date: 10/08/12 07:10 Batch Analyst: Haluck, Caitlyn

Batch Method: 3005A Batch End Date: 10/08/12 11:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAPITTICPMS 00009	MTAPITTMSA 00009	MTAPITTMSC 00014	
MB 180-51073/1		3005A, 6020A		50 mL	50 mL				
LCS 180-51073/2		3005A, 6020A		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
180-14654-D-2	TMP-2	3005A, 6020A	D	50 mL	50 mL				
180-14654-D-2 MS	TMP-2	3005A, 6020A	D	50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
180-14654-D-2 MSD	TMP-2	3005A, 6020A	D	50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
180-14654-D-3	MW-107	3005A, 6020A	D	50 mL	50 mL				
180-14654-D-4	MW-111	3005A, 6020A	D	50 mL	50 mL				
180-14654-D-6	MW-103	3005A, 6020A	D	50 mL	50 mL				

Batch Notes	
Batch Comment	METALS A1
First End time	1115
Lot # of hydrochloric acid	2.5ML 574080
Lot # of Nitric Acid	1.0ML 580751
Hot Block ID number	#1
Oven, Bath or Block Temperature 1	96
Pipette ID	03F95602
Person who witnessed spiking	CH
First Start time	0710
ID number of the thermometer	IP02 (0.0)
Digestion Tube/Cup Lot #	1205258
Uncorrected Temperature	96 Celsius

Basis	Basis Description
D	Dissolved

Shipping and Receiving Documents

FedEx Express **NEW Package US Airbill**

FedEx Tracking Number 8011 1698 8312

Form ID No. 0200

KB

1 From

Date 9/20/12 [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 450102 0069 / 2000

3 To

Recipient's Name Test America Pitt Phone 412 963 7058

Company

Address 301 Alpha Drive RIDC Park

Dept/Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

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 Busine

☐ FedEx 2Day A — Second business r Saturday Delivery

☐ FedEx 2Day — Second business a will be delivered or Delivery is selecte

☐ FedEx Expres — Third business day. Saturday Delivery

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, UI

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 ☐ Cre

[redacted]

fedex.com 1.800.GoFedEx 1.800.463.3339

14054

~~TestAmerica Pittsburgh~~
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

21 . 0.4
#3

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: 180-7133-2096.1
Client Contact: Accounts Payable	Phone: 610 608 5907	E-Mail: jill.colussy@testamericainc.com		Page: Page 1 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					
TMP-2	9/20/12	0915	G	Water			X	X	X	X		
MW-107	9/20/12	0805	G	Water			X	X	X	X		
MW-111	9/20/12	1000	G	Water			X	X	X	X		
WWT-1	9/20/12	1050	G	Water			X					
				Water								
				Water								
				Water								
				Water								
				Water								
				Water								

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]	9/20/12 1700	SAIC	Fedex	9/20/12 1700	—
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
			[signature]	9-21-12 0900	TAPITT
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 Container Summary Report

Temperature readings: _____

Client Sample ID	Lab ID	Container Type	Container pH	Preservative Added (mls)	Lot #
TRIP BLANK	180-14654-A-1	Voa Vial 40ml - Hydrochloric Acid	P		
TRIP BLANK	180-14654-B-1	Voa Vial 40ml - Hydrochloric Acid	↓		
TMP-2	180-14654-A-2	Amber Glass 1 liter - unpreserved			
TMP-2	180-14654-B-2	Amber Glass 1 liter - unpreserved			
TMP-2	180-14654-C-2	Plastic 500ml - with Nitric Acid	2		
TMP-2	180-14654-D-2	Plastic 250ml - with Nitric Acid	2		
TMP-2	180-14654-E-2	Voa Vial 40ml - Hydrochloric Acid	P		
TMP-2	180-14654-F-2	Voa Vial 40ml - Hydrochloric Acid	↓		
TMP-2	180-14654-G-2	Voa Vial 40ml - Hydrochloric Acid			
MW-107	180-14654-A-3	Amber Glass 1 liter - unpreserved			
MW-107	180-14654-B-3	Amber Glass 1 liter - unpreserved			
MW-107	180-14654-C-3	Plastic 500ml - with Nitric Acid	2		
MW-107	180-14654-D-3	Plastic 250ml - with Nitric Acid	2		
MW-107	180-14654-E-3	Voa Vial 40ml - Hydrochloric Acid	P		
MW-107	180-14654-F-3	Voa Vial 40ml - Hydrochloric Acid	↓		
MW-107	180-14654-G-3	Voa Vial 40ml - Hydrochloric Acid			
MW-111	180-14654-A-4	Amber Glass 1 liter - unpreserved			
MW-111	180-14654-B-4	Amber Glass 1 liter - unpreserved			
MW-111	180-14654-C-4	Plastic 500ml - with Nitric Acid	2		
MW-111	180-14654-D-4	Plastic 250ml - with Nitric Acid	2		
MW-111	180-14654-E-4	Voa Vial 40ml - Hydrochloric Acid	P		
MW-111	180-14654-F-4	Voa Vial 40ml - Hydrochloric Acid			
MW-111	180-14654-G-4	Voa Vial 40ml - Hydrochloric Acid			
WWT-1	180-14654-A-5	Voa Vial 40ml - Hydrochloric Acid			
WWT-1	180-14654-B-5	Voa Vial 40ml - Hydrochloric Acid	↓		
WWT-1	180-14654-C-5	Voa Vial 40ml - Hydrochloric Acid			
MW-103	180-14654-A-6	Amber Glass 1 liter - unpreserved			
MW-103	180-14654-B-6	Amber Glass 1 liter - unpreserved			
MW-103	180-14654-C-6	Plastic 500ml - with Nitric Acid	2		
MW-103	180-14654-D-6	Plastic 250ml - with Nitric Acid	2		
MW-103	180-14654-E-6	Voa Vial 40ml - Hydrochloric Acid	P		
MW-103	180-14654-F-6	Voa Vial 40ml - Hydrochloric Acid	↓		
MW-103	180-14654-G-6	Voa Vial 40ml - Hydrochloric Acid			

Login Sample Receipt Checklist

Client: Science Applications International Corp

Job Number: 180-14654-1

Login Number: 14654

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.	False	Received extra samples not listed on COC.
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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	