ANALYTICAL REPORT

Job Number: 180-13537-1

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
9/10/2012 4:31 PM

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09/10/2012

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CASE NARRATIVE

Client: Science Applications International Corp

Project: QDI Institute, WV

Report Number: 180-13537-1

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 8/17/2012 9:10 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 8 coolers at receipt time were 1.2º C, 1.7º C, 2.3º C, 2.6º C, 3.2º C, 3.4º C, 3.7º C and 4.3º C.

The chain of custody did not list parameters for sample IDW-7. This sample was logged in for TCLP VOAs, TCLP BNAs, and TCLP metals as per an e-mail from the client.

VOLATILE ORGANIC COMPOUNDS (GC-MS)
Methylene Chloride was detected in the method blank for 180-46427 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)
The laboratory control standard and the laboratory control duplicate for batch 180-45557 recovered outside of the control limits for hexachlorocyclopentadiene. All control compounds recovered within the control limits.

PESTICIDES
The samples had surrogate tetrachloro-m-xylene recover outside of the control limits. The recoveries of decachlorobiphenyl surrogate were within the control limits.

The relative percent difference between the laboratory control standard and the laboratory control duplicate of batch 180-45667 was outside of the control limits for 4,4'-DDT. The recoveries were within the control limits. All data was reported.

The samples were analyzed several times with the closing continuing calibration standard not meeting criteria. Only one set of data is reported.

PCBS
Several samples had surrogate tetrachloro-m-xylene recover outside of the control limits. The recoveries of decachlorobiphenyl surrogate were within the control limits.

HERBICIDES
The relative percent difference between the laboratory control standard and the laboratory control duplicate of batch 180-45828 was outside of the control limits for 2,4,5-T and silvex. All recoveries were within the control limits. All data was reported.

METALS
Sample IDW-1 (180-1357-7) was digested at a dilution for the 6010 analysis due to matrix. The reporting limits have been adjusted accordingly.

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 has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: HP6 Analysis Batch Number: 42730

Lab Sample ID: IC 180-42730/2 Client Sample ID:

Date Analyzed: 07/23/12 18:11 Lab File ID: 60723009.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	2.30	Unspecified	zukowskim	07/24/12 02:33
Acetone	3.57	Peak Integrated Incorrectly	zukowskim	07/24/12 01:32
Acetonitrile	4.02	Peak Integrated Incorrectly	zukowskim	07/24/12 01:32
Methyl acetate	4.10	Peak Integrated Incorrectly	zukowskim	07/24/12 01:33
2-Butanone (MEK)	6.06	Peak Integrated Incorrectly	zukowskim	07/24/12 01:32
2-Hexanone	9.73	Peak Integrated Incorrectly	zukowskim	07/24/12 01:32

Lab Sample ID: IC 180-42730/3 Client Sample ID:

Date Analyzed: 07/23/12 18:35 Lab File ID: 60723010.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	3.56	Peak Integrated Incorrectly	zukowskim	07/24/12 01:33
Acetonitrile	4.01	Peak Integrated Incorrectly	zukowskim	07/24/12 01:35
2-Butanone (MEK)	6.07	Peak Integrated Incorrectly	zukowskim	07/24/12 01:35

Lab Sample ID: ICIS 180-42730/4 Client Sample ID:

Date Analyzed: 07/23/12 18:59 Lab File ID: 60723011.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	3.55	Peak Integrated Incorrectly	zukowskim	07/24/12 01:36
Acetonitrile	4.00	Peak Integrated Incorrectly	zukowskim	07/24/12 01:37
2-Butanone (MEK)	6.06	Peak Integrated Incorrectly	zukowskim	07/24/12 01:38

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: HP6 Analysis Batch Number: 42730

Lab Sample ID: IC 180-42730/5 Client Sample ID:

Date Analyzed: 07/23/12 19:23 Lab File ID: 60723012.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	3.56	Peak Integrated Incorrectly	zukowskim	07/24/12 01:38
2-Butanone (MEK)	6.05	Peak Integrated Incorrectly	zukowskim	07/24/12 01:38

Lab Sample ID: IC 180-42730/6 Client Sample ID:

Date Analyzed: 07/23/12 19:47 Lab File ID: 60723013.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	3.55	Peak Integrated Incorrectly	zukowskim	07/24/12 01:39
2-Butanone (MEK)	6.06	Peak Integrated Incorrectly	zukowskim	07/24/12 01:39

Lab Sample ID: IC 180-42730/7 Client Sample ID:

Date Analyzed: 07/23/12 20:12 Lab File ID: 60723014.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	3.54	Peak Integrated Incorrectly	zukowskim	07/24/12 01:40
2-Butanone (MEK)	6.05	Peak Integrated Incorrectly	zukowskim	07/24/12 01:40

Lab Sample ID: IC 180-42730/8 Client Sample ID:

Date Analyzed: 07/23/12 20:36 Lab File ID: 60723015.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	2.28	Peak Integrated Incorrectly	zukowskim	07/24/12 02:06
Acetone	3.55	Peak Integrated Incorrectly	zukowskim	07/24/12 01:41
2-Butanone (MEK)	6.05	Peak Integrated Incorrectly	zukowskim	07/24/12 01:41

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: HP6 Analysis Batch Number: 43277

Lab Sample ID: IC 180-43277/2 Client Sample ID:

Date Analyzed: 07/30/12 06:55 Lab File ID: 60730007.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acrolein	3.32	Peak Integrated Incorrectly	zukowskim	07/30/12 07:24
Acrylonitrile	4.62	Peak Integrated Incorrectly	zukowskim	07/30/12 07:24
Isobutyl alcohol	7.01	Peak Integrated Incorrectly	zukowskim	07/30/12 07:25

Lab Sample ID: IC 180-43277/3 Client Sample ID:

Date Analyzed: 07/30/12 07:19 Lab File ID: 60730008.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isobutyl alcohol	7.01	Peak Integrated Incorrectly	zukowskim	07/30/12 07:42

Lab Sample ID: IC 180-43277/5 Client Sample ID:

Date Analyzed: 07/30/12 08:08 Lab File ID: 60730010.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isobutyl alcohol	7.01	Peak Integrated Incorrectly	zukowskim	07/30/12 08:28
1,4-Dioxane	8.13	Peak Integrated Incorrectly	zukowskim	07/30/12 08:28

Lab Sample ID: IC 180-43277/6 Client Sample ID:

Date Analyzed: 07/30/12 08:32 Lab File ID: 60730011.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	4.01	Peak Integrated Incorrectly	zukowskim	07/30/12 08:58
Isobutyl alcohol	7.01	Peak Integrated Incorrectly	zukowskim	07/30/12 08:59

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: HP6 Analysis Batch Number: 46427

Lab Sample ID: CCVIS 180-46427/2 Client Sample ID:

Date Analyzed: 08/27/12 10:13 Lab File ID: 60827003.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	2.29	Peak Integrated Incorrectly	fergusond	08/27/12 10:39
Chloroethane	2.43	Peak Integrated Incorrectly	fergusond	08/27/12 10:39

Lab Sample ID: CCV 180-46427/3 Client Sample ID:

Date Analyzed: 08/27/12 10:45 Lab File ID: 60827004.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	8.12	Peak Integrated Incorrectly	fergusond	08/27/12 11:02

Lab Sample ID: 180-13537-3 Client Sample ID: MW-107

Date Analyzed: 08/27/12 15:07 Lab File ID: 60827014.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	3.57	Peak Integrated Incorrectly	fergusond	08/28/12 07:23
Methylene Chloride	4.22	Peak Integrated Incorrectly	fergusond	08/28/12 07:23

Lab Sample ID: 180-13537-5 Client Sample ID: MW-110

Date Analyzed: 08/27/12 16:19 Lab File ID: 60827017.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methylene Chloride	4.23	Peak Integrated Incorrectly	fergusond	08/28/12 07:27

Lab Sample ID: 180-13537-6 Client Sample ID: MW-102

Date Analyzed: 08/27/12 16:43 Lab File ID: 60827018.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	3.58	Peak Integrated Incorrectly	fergusond	08/28/12 07:29

8260B

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: HP7 Analysis Batch Number: 45373

Lab Sample ID: IC 180-45373/2 Client Sample ID:

Date Analyzed: 08/17/12 02:39 Lab File ID: 7081703.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	4.05	Peak Integrated Incorrectly	zukowskim	08/17/12 09:41

Lab Sample ID: IC 180-45373/8 Client Sample ID:

Date Analyzed: 08/17/12 07:49 Lab File ID: 7081713.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	1.80	Peak Integrated Incorrectly	zukowskim	08/17/12 09:42
Bromomethane	2.28	Peak Integrated Incorrectly	zukowskim	08/17/12 09:43
Acetone	3.61	Peak Integrated Incorrectly	zukowskim	08/17/12 09:43
Methyl acetate	4.14	Peak Integrated Incorrectly	zukowskim	08/17/12 09:43

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: HP7 Analysis Batch Number: 45860

Lab Sample ID: CCVIS 180-45860/2 Client Sample ID:

Date Analyzed: 08/22/12 05:07 Lab File ID: 7082207.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.64	Peak Integrated Incorrectly	zukowskim	08/22/12 06:14
Chloromethane	1.80	Peak Integrated Incorrectly	zukowskim	08/22/12 06:15
Naphthalene	15.05	Peak Integrated Incorrectly	zukowskim	08/22/12 06:16

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: 731 Analysis Batch Number: 44802

Lab Sample ID: IC 180-44802/2 Client Sample ID:

Date Analyzed: 08/13/12 09:53 Lab File ID: V0813IC1.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.50	Peak Not Found	piccolino v	08/13/12 10:17
Pyridine	2.09	Peak Not Found	piccolino v	08/13/12 10:17
Benzidine	9.10	Peak Not Found	piccolino v	08/13/12 10:18
3,3'-Dichlorobenzidine	10.11	Poor Chromatography	piccolino v	08/13/12 10:18
Bis(2-ethylhexyl) phthalate	10.11	Poor Chromatography	piccolino v	08/13/12 10:18
Di-n-octyl phthalate	10.67	Poor Chromatography	piccolino v	08/13/12 10:18
Benzo[a]pyrene	11.55	Poor Chromatography	piccolino v	08/13/12 10:18
Indeno[1,2,3-cd]pyrene	13.07	Poor Chromatography	piccolino v	08/13/12 10:18

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: 731 Analysis Batch Number: 44802

Lab Sample ID: IC 180-44802/3 Client Sample ID:

Date Analyzed: 08/13/12 10:16 Lab File ID: V0813IC2.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.49	Poor Chromatography	piccolinov	08/13/12 11:45
Pyridine	2.04	Poor Chromatography	piccolinov	08/13/12 11:45
Benzyl alcohol	4.71	Poor Chromatography	piccolinov	08/13/12 11:45
Benzoic acid	5.35	Poor Chromatography	piccolinov	08/13/12 11:46
2,4,5-Trichlorophenol	6.36	Poor Chromatography	piccolinov	08/13/12 11:46
Anthracene	8.13	Poor Chromatography	piccolinov	08/13/12 11:46
Benzo[a]pyrene	11.53	Poor Chromatography	piccolinov	08/13/12 11:46
Indeno[1,2,3-cd]pyrene	13.05	Poor Chromatography	piccolinov	08/13/12 11:46
Dibenz(a,h)anthracene	13.06	Poor Chromatography	piccolinov	08/13/12 11:47
Benzo[g,h,i]perylene	13.48	Poor Chromatography	piccolinov	08/13/12 11:47

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: 731 Analysis Batch Number: 44802

Lab Sample ID: ICIS 180-44802/4 Client Sample ID:

Date Analyzed: 08/13/12 10:39 Lab File ID: V0813IC3.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.48	Poor Chromatography	piccolino v	08/13/12 11:47
Pyridine	2.01	Poor Chromatography	piccolino v	08/13/12 11:47
Benzoic acid	5.37	Poor Chromatography	piccolino v	08/13/12 11:47
2,4,5-Trichlorophenol	6.37	Poor Chromatography	piccolino v	08/13/12 11:47
2,3,4,6-Tetrachlorophenol	7.18	Poor Chromatography	piccolino v	08/13/12 11:48

Lab Sample ID: IC 180-44802/5 Client Sample ID:

Date Analyzed: 08/13/12 11:02 Lab File ID: V0813IC4.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.48	Poor Chromatography	piccolino v	08/13/12 11:48
Pyridine	2.01	Poor Chromatography	piccolino v	08/13/12 11:48
Benzyl alcohol	4.71	Poor Chromatography	piccolino v	08/13/12 11:48
Benzoic acid	5.38	Poor Chromatography	piccolino v	08/13/12 11:49
2,4,5-Trichlorophenol	6.36	Poor Chromatography	piccolino v	08/13/12 11:49

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: 731 Analysis Batch Number: 44802

Lab Sample ID: IC 180-44802/6 Client Sample ID:

Date Analyzed: 08/13/12 11:25 Lab File ID: V0813IC5.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.49	Poor Chromatography	piccolino v	08/13/12 11:50
Pyridine	2.01	Poor Chromatography	piccolino v	08/13/12 11:50
Benzoic acid	5.40	Poor Chromatography	piccolino v	08/13/12 11:50
2,3,4,6-Tetrachlorophenol	7.18	Poor Chromatography	piccolino v	08/13/12 11:51

Lab Sample ID: IC 180-44802/7 Client Sample ID:

Date Analyzed: 08/13/12 11:48 Lab File ID: V0813IC6.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzyl alcohol	4.71	Poor Chromatography	piccolino v	08/13/12 12:35
Benzoic acid	5.39	Poor Chromatography	piccolino v	08/13/12 12:35

Lab Sample ID: IC 180-44802/8 Client Sample ID:

Date Analyzed: 08/13/12 12:12 Lab File ID: V0813IC7.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	5.41	Poor Chromatography	piccolino v	08/13/12 12:36

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: 731 Analysis Batch Number: 44802

Lab Sample ID: IC 180-44802/9 Client Sample ID:

Date Analyzed: 08/13/12 12:35 Lab File ID: V0813IC8.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	5.41	Poor Chromatography	piccolino v	08/13/12 13:06

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: 731 Analysis Batch Number: 46317

Lab Sample ID: CCVIS 180-46317/24 Client Sample ID:

Date Analyzed: 08/24/12 16:06 Lab File ID: V08240CC.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pyridine	1.98	Poor Chromatography	piccolino v	08/25/12 10:01
Benzoic acid	5.35	Peak Not Found	piccolino v	08/25/12 10:01

Lab Sample ID: LCSD 180-45791/3-A Client Sample ID:

Date Analyzed: 08/24/12 19:23 Lab File ID: V0824028.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pyridine	1.98	Poor Chromatography	piccolino v	08/25/12 10:41

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: 731 Analysis Batch Number: 46366

Lab Sample ID: CCVIS 180-46366/12 Client Sample ID:

Date Analyzed: 08/25/12 14:27 Lab File ID: V08250CC.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	5.34	Poor Chromatography	piccolino v	08/27/12 04:47

Lab Sample ID: 180-13537-7 Client Sample ID: IDW-1

Date Analyzed: 08/25/12 18:28 Lab File ID: V0825010.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Fluorobiphenyl	6.35	Poor Chromatography	piccolino v	08/27/12 04:53
Acenaphthene-d10	6.88	Peak Not Found	piccolino v	08/27/12 04:53

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: 731 Analysis Batch Number: 45848

Lab Sample ID: CCVIS 180-45848/30 Client Sample ID:

Date Analyzed: 08/21/12 15:03 Lab File ID: V08210CC.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzyl alcohol	4.68	Poor Chromatography	piccolino v	08/22/12 01:41
Benzoic acid	5.33	Poor Chromatography	piccolino v	08/22/12 01:42
2,3,4,6-Tetrachlorophenol	7.14	Poor Chromatography	piccolino v	08/22/12 01:42
Pentachlorophenol	7.89	Poor Chromatography	piccolino v	08/22/12 01:42

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: GC15 Analysis Batch Number: 45885

Lab Sample ID: IC 180-45885/2 Client Sample ID:

Date Analyzed: 08/20/12 11:59 Lab File ID: Q08120001173.D GC Column: MR-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline Event	eppinged	08/21/12 03:54
Toxaphene Peak 1	7.01	Baseline Event	eppinged	08/21/12 03:54
Toxaphene Peak 2	7.23	Baseline Event	eppinged	08/21/12 03:54
Toxaphene Peak 3	7.31	Baseline Event	eppinged	08/21/12 03:54
Toxaphene Peak 4	7.72	Baseline Event	eppinged	08/21/12 03:54

Lab Sample ID: IC 180-45885/2 Client Sample ID:

Date Analyzed: 08/20/12 11:59 Lab File ID: R08120001173.D GC Column: MR-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene		Baseline Event	eppinged	08/21/12 04:30
Toxaphene Peak 1	7.40	Baseline Event	eppinged	08/21/12 04:30
Toxaphene Peak 2	7.61	Baseline Event	eppinged	08/21/12 04:30
Toxaphene Peak 3	8.26	Baseline Event	eppinged	08/21/12 04:30
Toxaphene Peak 4	8.83	Baseline Event	eppinged	08/21/12 04:30

Lab Sample ID: IC 180-45885/16 Client Sample ID:

Date Analyzed: 08/20/12 15:38 Lab File ID: R08120001187.D GC Column: MR-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
DCB Decachlorobiphenyl (Surr)	10.67	Baseline Event	eppinged	08/21/12 04:36

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: GC8 Analysis Batch Number: 41004

Lab Sample ID: IC 180-41004/19 Client Sample ID:

Date Analyzed: 06/28/12 17:45 Lab File ID: O0620720.D GC Column: RTX-50 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
DCB Decachlorobiphenyl (Surr)	16.16	Poor Chromatography	guptaa	06/29/12 10:17

8082

HERBICIDES MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: GC1 Analysis Batch Number: 47167

Lab Sample ID: LCSD 180-45828/3-A Client Sample ID:

Date Analyzed: 08/31/12 23:09 Lab File ID: A0820863.D GC Column: RTX-50 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4,5-T	11.29	Split Peak	oravecj	09/02/12 07:34

8151A

SAMPLE SUMMARY

Client: Science Applications International Corp

Job Number: 180-13537-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
180-13537-1	TRIP BLANK	Water	08/16/2012 0000	08/17/2012 0910
180-13537-2	MW-101	Water	08/16/2012 0815	08/17/2012 0910
180-13537-3	MW-107	Water	08/16/2012 0900	08/17/2012 0910
180-13537-4	MW-113	Water	08/16/2012 0930	08/17/2012 0910
180-13537-5	MW-110	Water	08/16/2012 1140	08/17/2012 0910
180-13537-6	MW-102	Water	08/16/2012 1200	08/17/2012 0910
180-13537-7	IDW-1	Water	08/16/2012 1330	08/17/2012 0910

EXECUTIVE SUMMARY - Detections

Client: Science Applications International Corp

Job Number: 180-13537-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
180-13537-1	**TRIP BLANK**					
Acetone		6.2		5.0	ug/L	8260B
Methylene Chloride		3.9	B	1.0	ug/L	8260B
180-13537-2	**MW-101**					
Methylene Chloride		0.51	J B	1.0	ug/L	8260B
Arsenic		11		1.0	ug/L	6020A
Barium		370		10	ug/L	6020A
Lead		45	B	1.0	ug/L	6020A
Iron		110000		50	ug/L	6020A
Manganese		730	B	5.0	ug/L	6020A
Vanadium		87	B	1.0	ug/L	6020A
Dissolved						
Arsenic		2.0		1.0	ug/L	6020A
Barium		88	B	10	ug/L	6020A
Iron		210		50	ug/L	6020A
Lead		0.069	J B	1.0	ug/L	6020A
Manganese		110	B	5.0	ug/L	6020A
Vanadium		4.3		1.0	ug/L	6020A

EXECUTIVE SUMMARY - Detections

Client: Science Applications International Corp

Job Number: 180-13537-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
180-13537-3	**MW-107**					
Acetone		2.8	J	5.0	ug/L	8260B
Methylene Chloride		0.37	J B	1.0	ug/L	8260B
Benzo[a]anthracene		1.1		0.20	ug/L	8270C LL
Benzo[b]fluoranthene		1.1		0.20	ug/L	8270C LL
Benzo[k]fluoranthene		1.2		0.20	ug/L	8270C LL
Benzo[g,h,i]perylene		1.3		0.20	ug/L	8270C LL
Benzo[a]pyrene		0.80		0.20	ug/L	8270C LL
Bis(2-ethylhexyl) phthalate		1.2	J	2.0	ug/L	8270C LL
Butyl benzyl phthalate		0.37	J	0.98	ug/L	8270C LL
Chrysene		1.2		0.20	ug/L	8270C LL
Dibenz(a,h)anthracene		1.2		0.20	ug/L	8270C LL
Di-n-octyl phthalate		1.1		0.98	ug/L	8270C LL
Fluoranthene		0.54		0.20	ug/L	8270C LL
Hexachlorobenzene		0.10	J	0.20	ug/L	8270C LL
Hexachlorobutadiene		0.092	J	0.20	ug/L	8270C LL
Indeno[1,2,3-cd]pyrene		1.2		0.20	ug/L	8270C LL
Pyrene		0.45		0.20	ug/L	8270C LL
Arsenic		2.2		1.0	ug/L	6020A
Barium		59		10	ug/L	6020A
Lead		0.17	J B	1.0	ug/L	6020A
Iron		140		50	ug/L	6020A
Manganese		5500	B	5.0	ug/L	6020A
Vanadium		4.3	B	1.0	ug/L	6020A
Dissolved						
Arsenic		2.4		1.0	ug/L	6020A
Barium		53	B	10	ug/L	6020A
Lead		0.15	J B	1.0	ug/L	6020A
Manganese		5000	B	5.0	ug/L	6020A
Vanadium		5.3		1.0	ug/L	6020A

EXECUTIVE SUMMARY - Detections

Client: Science Applications International Corp

Job Number: 180-13537-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
180-13537-4	**MW-113**					
Acetone		2.5	J	5.0	ug/L	8260B
Methylene Chloride		0.39	J B	1.0	ug/L	8260B
Benzo[a]anthracene		0.026	J	0.20	ug/L	8270C LL
Benzo[b]fluoranthene		0.029	J	0.20	ug/L	8270C LL
Benzo[g,h,i]perylene		0.043	J	0.20	ug/L	8270C LL
Chrysene		0.037	J	0.20	ug/L	8270C LL
Dibenz(a,h)anthracene		0.037	J	0.20	ug/L	8270C LL
Hexachlorobutadiene		0.086	J	0.20	ug/L	8270C LL
Indeno[1,2,3-cd]pyrene		0.036	J	0.20	ug/L	8270C LL
Arsenic		1.1		1.0	ug/L	6020A
Barium		57		10	ug/L	6020A
Lead		0.12	J B	1.0	ug/L	6020A
Iron		150		50	ug/L	6020A
Manganese		5200	B	5.0	ug/L	6020A
Vanadium		3.9	B	1.0	ug/L	6020A
Dissolved						
Arsenic		0.89	J	1.0	ug/L	6020A
Barium		55	B	10	ug/L	6020A
Lead		0.14	J B	1.0	ug/L	6020A
Manganese		4600	B	5.0	ug/L	6020A
Vanadium		5.6		1.0	ug/L	6020A
180-13537-5	**MW-110**					
Methylene Chloride		0.24	J B	1.0	ug/L	8260B
Arsenic		4.1		1.0	ug/L	6020A
Barium		310		10	ug/L	6020A
Lead		0.98	J B	1.0	ug/L	6020A
Iron		1500		50	ug/L	6020A
Manganese		1200	B	5.0	ug/L	6020A
Vanadium		9.6	B	1.0	ug/L	6020A
Dissolved						
Arsenic		2.5		1.0	ug/L	6020A
Barium		370	B	10	ug/L	6020A
Iron		360		50	ug/L	6020A
Lead		0.11	J B	1.0	ug/L	6020A
Manganese		490	B	5.0	ug/L	6020A
Vanadium		4.4		1.0	ug/L	6020A

EXECUTIVE SUMMARY - Detections

Client: Science Applications International Corp

Job Number: 180-13537-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
180-13537-6	**MW-102**					
1,2-Dichloroethane		0.32	J	1.0	ug/L	8260B
1,2-Dichloropropane		6.5		1.0	ug/L	8260B
Methylene Chloride		0.32	J B	1.0	ug/L	8260B
1,1,2-Trichloroethane		0.25	J	1.0	ug/L	8260B
Trichloroethene		0.15	J	1.0	ug/L	8260B
Benzo[a]anthracene		0.020	J	0.20	ug/L	8270C LL
Chrysene		0.016	J	0.20	ug/L	8270C LL
Hexachlorobutadiene		1.2		0.20	ug/L	8270C LL
Hexachloroethane		0.14	J	0.99	ug/L	8270C LL
Phenanthrene		0.042	J	0.20	ug/L	8270C LL
Aldrin		0.00080	J p	0.0012	ug/L	8081A
delta-BHC		0.00041	J p	0.0012	ug/L	8081A
gamma-Chlordane		0.0011	J p	0.0012	ug/L	8081A
Dieldrin		0.00099	J p	0.0012	ug/L	8081A
Endosulfan II		0.0017	p	0.0012	ug/L	8081A
Endosulfan sulfate		0.00078	J p	0.0012	ug/L	8081A
Endrin		0.0013	p	0.0012	ug/L	8081A
Endrin ketone		0.0098		0.0012	ug/L	8081A
Heptachlor epoxide		0.00092	J p	0.0012	ug/L	8081A
Methoxychlor		0.0025	p	0.0024	ug/L	8081A
PCB-1260		0.16		0.0095	ug/L	8082
Arsenic		3.9		1.0	ug/L	6020A
Barium		180		10	ug/L	6020A
Lead		5.7	B	1.0	ug/L	6020A
Iron		13000		50	ug/L	6020A
Manganese		280	B	5.0	ug/L	6020A
Vanadium		20	B	1.0	ug/L	6020A
Dissolved						
Arsenic		0.49	J	1.0	ug/L	6020A
Barium		110	B	10	ug/L	6020A
Iron		29	J	50	ug/L	6020A
Lead		0.10	J B	1.0	ug/L	6020A
Manganese		140	B	5.0	ug/L	6020A
Vanadium		5.8		1.0	ug/L	6020A
180-13537-7	**IDW-1**					
TCLP						
Arsenic		0.014		0.010	mg/L	6020A
Barium		0.12		0.10	mg/L	6020A
Chromium		0.027		0.020	mg/L	6020A
Lead		0.00033	J B	0.010	mg/L	6020A

METHOD SUMMARY

Client: Science Applications International Corp | Job Number: 180-13537-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL PIT	SW846 8260B	
Purge and Trap	TAL PIT		SW846 5030B
Volatile Organic Compounds (GC/MS)	TAL PIT	SW846 8260B	
TCLP Extraction	TAL PIT		SW846 1311
Purge and Trap	TAL PIT		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL PIT	SW846 8270C	
TCLP Extraction	TAL PIT		SW846 1311
Liquid-Liquid Extraction (Continuous)	TAL PIT		SW846 3520C
Semivolatile Organic Compounds by GCMS - Low Levels	TAL PIT	SW846 8270C LL	
Liquid-Liquid Extraction (Continuous	TAL PIT		SW846 3520C
Organochlorine Pesticides (GC)	TAL PIT	SW846 8081A	
Liquid-Liquid Extraction (Separatory Funnel)	TAL PIT		SW846 3510C
Polychlorinated Biphenyls (PCBs) (GC)	TAL PIT	SW846 8082	
Liquid-Liquid Extraction (Separatory Funnel)	TAL PIT		SW846 3510C
Herbicides (GC)	TAL PIT	SW846 8151A	
Extraction (Herbicides)	TAL PIT		SW846 8151A
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
Metals (ICP/MS)	TAL PIT	SW846 6020A	
TCLP Extraction	TAL PIT		SW846 1311
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: 180-13537-1

Method	Analyst	Analyst ID
SW846 8260B	Ferguson, Donald	DF
SW846 8260B	Zukowski, Mike	MZ
SW846 8270C	Piccolino, Vincent	VP
SW846 8270C LL	Piccolino, Vincent	VP
SW846 8081A	Oravec, John	JO
SW846 8082	Gupta, Ashok	AG
SW846 8151A	Oravec, John	JO
SW846 6020A	Reinheimer, Bill	BR

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 180-13537-1

Client Matrix: Water

Date Sampled: 08/16/2012 0000

Date Received: 08/17/2012 0910

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-46427	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60827019.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/27/2012 1707			Final Weight/Volume:	5 mL
Prep Date:	08/27/2012 1707				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	6.2		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	3.9	B	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: 180-13537-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 180-13537-1

Client Matrix: Water

Date Sampled: 08/16/2012 0000

Date Received: 08/17/2012 0910

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-46427	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60827019.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/27/2012 1707			Final Weight/Volume:	5 mL
Prep Date:	08/27/2012 1707				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	116		64 - 135
Toluene-d8 (Surr)	95		71 - 118
4-Bromofluorobenzene (Surr)	95		70 - 118
Dibromofluoromethane (Surr)	117		70 - 128

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 180-13537-1

Client Matrix: Water

Date Sampled: 08/16/2012 0000

Date Received: 08/17/2012 0910

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-46427	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60827019.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/27/2012 1707			Final Weight/Volume:	5 mL
Prep Date:	08/27/2012 1707				

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
1066-40-6	Silanol, trimethyl-	6.05	3.5	T J N

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-101**

Lab Sample ID: 180-13537-2

Client Matrix: Water

Date Sampled: 08/16/2012 0815

Date Received: 08/17/2012 0910

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-46427	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60827013.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/27/2012 1443			Final Weight/Volume:	5 mL
Prep Date:	08/27/2012 1443				

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	0.51	J B	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: 180-13537-1

Client Sample ID: **MW-101**

Lab Sample ID: 180-13537-2

Client Matrix: Water

Date Sampled: 08/16/2012 0815

Date Received: 08/17/2012 0910

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-46427	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60827013.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/27/2012 1443			Final Weight/Volume:	5 mL
Prep Date:	08/27/2012 1443				

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)	112		64 - 135
Toluene-d8 (Surr)	100		71 - 118
4-Bromofluorobenzene (Surr)	99		70 - 118
Dibromofluoromethane (Surr)	115		70 - 128

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-101**

Lab Sample ID: 180-13537-2

Client Matrix: Water

Date Sampled: 08/16/2012 0815

Date Received: 08/17/2012 0910

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-46427	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60827013.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/27/2012 1443			Final Weight/Volume:	5 mL
Prep Date:	08/27/2012 1443				

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
1066-40-6	Silanol, trimethyl-	6.05	1.3	T J N

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-107**

Lab Sample ID: 180-13537-3

Client Matrix: Water

Date Sampled: 08/16/2012 0900

Date Received: 08/17/2012 0910

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-46427	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60827014.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/27/2012 1507			Final Weight/Volume:	5 mL
Prep Date:	08/27/2012 1507				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	2.8	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	0.37	J B	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: 180-13537-1

Client Sample ID: **MW-107**

Lab Sample ID: 180-13537-3

Client Matrix: Water

Date Sampled: 08/16/2012 0900

Date Received: 08/17/2012 0910

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-46427	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60827014.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/27/2012 1507			Final Weight/Volume:	5 mL
Prep Date:	08/27/2012 1507				

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)	113		64 - 135
Toluene-d8 (Surr)	97		71 - 118
4-Bromofluorobenzene (Surr)	96		70 - 118
Dibromofluoromethane (Surr)	111		70 - 128

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-107**

Lab Sample ID: 180-13537-3

Client Matrix: Water

Date Sampled: 08/16/2012 0900

Date Received: 08/17/2012 0910

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-46427	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60827014.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/27/2012 1507			Final Weight/Volume:	5 mL
Prep Date:	08/27/2012 1507				

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: 180-13537-1

Client Sample ID: **MW-113**

Lab Sample ID: 180-13537-4

Client Matrix: Water

Date Sampled: 08/16/2012 0930

Date Received: 08/17/2012 0910

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-46427	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60827015.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/27/2012 1531			Final Weight/Volume:	5 mL
Prep Date:	08/27/2012 1531				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	2.5	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	0.39	J B	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: 180-13537-1

Client Sample ID: **MW-113**

Lab Sample ID: 180-13537-4

Client Matrix: Water

Date Sampled: 08/16/2012 0930

Date Received: 08/17/2012 0910

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-46427	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60827015.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/27/2012 1531			Final Weight/Volume:	5 mL
Prep Date:	08/27/2012 1531				

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)	113		64 - 135
Toluene-d8 (Surr)	101		71 - 118
4-Bromofluorobenzene (Surr)	93		70 - 118
Dibromofluoromethane (Surr)	112		70 - 128

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-113**

Lab Sample ID: 180-13537-4

Client Matrix: Water

Date Sampled: 08/16/2012 0930

Date Received: 08/17/2012 0910

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-46427	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60827015.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/27/2012 1531			Final Weight/Volume:	5 mL
Prep Date:	08/27/2012 1531				

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: 180-13537-1

Client Sample ID: **MW-110**

Lab Sample ID: 180-13537-5

Client Matrix: Water

Date Sampled: 08/16/2012 1140

Date Received: 08/17/2012 0910

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-46427	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60827017.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/27/2012 1619			Final Weight/Volume:	5 mL
Prep Date:	08/27/2012 1619				

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	0.24	J B	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: 180-13537-1

Client Sample ID: **MW-110**

Lab Sample ID: 180-13537-5

Client Matrix: Water

Date Sampled: 08/16/2012 1140

Date Received: 08/17/2012 0910

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-46427	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60827017.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/27/2012 1619			Final Weight/Volume:	5 mL
Prep Date:	08/27/2012 1619				

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)	112		64 - 135
Toluene-d8 (Surr)	101		71 - 118
4-Bromofluorobenzene (Surr)	99		70 - 118
Dibromofluoromethane (Surr)	116		70 - 128

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-110**

Lab Sample ID: 180-13537-5

Client Matrix: Water

Date Sampled: 08/16/2012 1140

Date Received: 08/17/2012 0910

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-46427	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60827017.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/27/2012 1619			Final Weight/Volume:	5 mL
Prep Date:	08/27/2012 1619				

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: 180-13537-1

Client Sample ID: **MW-102**

Lab Sample ID: 180-13537-6

Client Matrix: Water

Date Sampled: 08/16/2012 1200

Date Received: 08/17/2012 0910

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-46427	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60827018.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/27/2012 1643			Final Weight/Volume:	5 mL
Prep Date:	08/27/2012 1643				

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	0.32	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	6.5		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	0.32	J B	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	0.25	J	0.20	1.0
Trichloroethene	0.15	J	0.14	1.0
Trichlorofluoromethane	ND		0.20	1.0
Vinyl chloride	ND		0.23	1.0
Xylenes, Total	ND		0.49	3.0
Cyclohexane	ND		0.25	1.0
cis-1,2-Dichloroethene	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: 180-13537-1

Client Sample ID: **MW-102**

Lab Sample ID: 180-13537-6

Client Matrix: Water

Date Sampled: 08/16/2012 1200

Date Received: 08/17/2012 0910

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-46427	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60827018.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/27/2012 1643			Final Weight/Volume:	5 mL
Prep Date:	08/27/2012 1643				

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)	100		71 - 118
4-Bromofluorobenzene (Surr)	95		70 - 118
Dibromofluoromethane (Surr)	112		70 - 128

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-102**

Lab Sample ID: 180-13537-6

Client Matrix: Water

Date Sampled: 08/16/2012 1200

Date Received: 08/17/2012 0910

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-46427	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60827018.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/27/2012 1643			Final Weight/Volume:	5 mL
Prep Date:	08/27/2012 1643				

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
1066-40-6	Silanol, trimethyl-	6.04	1.3	T J N

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **IDW-1**

Lab Sample ID: 180-13537-7

Client Matrix: Water

Date Sampled: 08/16/2012 1330

Date Received: 08/17/2012 0910

8260B Volatile Organic Compounds (GC/MS)-TCLP

Analysis Method:	8260B	Analysis Batch:	180-45860	Instrument ID:	HP7
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	7082225.D
Dilution:	40	Leach Batch:	180-45830	Initial Weight/Volume:	5 mL
Analysis Date:	08/22/2012 1429			Final Weight/Volume:	5 mL
Prep Date:	08/22/2012 1429				
Leach Date:	08/21/2012 1700				

Analyte	Result (mg/L)	Qualifier	MDL	RL
1,1-Dichloroethene	ND		0.043	0.20
1,2-Dichloroethane	ND		0.038	0.20
2-Butanone (MEK)	ND		0.043	0.20
Benzene	ND		0.040	0.20
Carbon tetrachloride	ND		0.043	0.20
Chlorobenzene	ND		0.021	0.20
Chloroform	ND		0.040	0.20
Tetrachloroethene	ND		0.033	0.20
Trichloroethene	ND		0.032	0.20
Vinyl chloride	ND		0.052	0.20

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	81		80 - 120
1,2-Dichloroethane-d4 (Surr)	122		64 - 124
4-Bromofluorobenzene (Surr)	85		75 - 120
Dibromofluoromethane (Surr)	105		80 - 120

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **IDW-1**

Lab Sample ID: 180-13537-7

Client Matrix: Water

Date Sampled: 08/16/2012 1330

Date Received: 08/17/2012 0910

8270C Semivolatile Organic Compounds (GC/MS)-TCLP

Analysis Method:	8270C	Analysis Batch:	180-46366	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-45791	Lab File ID:	V0825010.D
Dilution:	1.0	Leach Batch:	180-45654	Initial Weight/Volume:	200 mL
Analysis Date:	08/25/2012 1828			Final Weight/Volume:	10.0 mL
Prep Date:	08/21/2012 1430			Injection Volume:	2 uL
Leach Date:	08/20/2012 1753				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dichlorobenzene	ND		3.7	50
2,4,5-Trichlorophenol	ND		7.6	50
2,4,6-Trichlorophenol	ND		8.7	50
2,4-Dinitrotoluene	ND		2.7	50
2-Methylphenol	ND		4.3	50
Hexachlorobenzene	ND		0.92	10
Hexachlorobutadiene	ND		0.83	10
Hexachloroethane	ND		3.1	50
Nitrobenzene	ND		4.2	100
Pentachlorophenol	ND		3.3	50
Pyridine	ND		3.6	50
Methylphenol, 3 & 4	ND		4.5	50

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	76		35 - 108
2-Fluorophenol	84		26 - 100
Nitrobenzene-d5	72		37 - 104
Phenol-d5	84		30 - 102
Terphenyl-d14	78		25 - 130
2,4,6-Tribromophenol	69		33 - 122

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-101**

Lab Sample ID: 180-13537-2

Client Matrix: Water

Date Sampled: 08/16/2012 0815

Date Received: 08/17/2012 0910

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-45848	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-45557	Lab File ID:	V0821018.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	08/21/2012 2330			Final Weight/Volume:	1.0 mL
Prep Date:	08/20/2012 1022			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: 180-13537-1

Client Sample ID: **MW-101**

Lab Sample ID: 180-13537-2

Client Matrix: Water

Date Sampled: 08/16/2012 0815

Date Received: 08/17/2012 0910

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-45848	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-45557	Lab File ID:	V0821018.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	08/21/2012 2330			Final Weight/Volume:	1.0 mL
Prep Date:	08/20/2012 1022			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	55		16 - 122
2-Fluorobiphenyl	61		19 - 107
2-Fluorophenol	65		10 - 111
Nitrobenzene-d5	64		23 - 112
Phenol-d5	62		15 - 112
Terphenyl-d14	64		10 - 132

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-107**

Lab Sample ID: 180-13537-3

Client Matrix: Water

Date Sampled: 08/16/2012 0900

Date Received: 08/17/2012 0910

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-45848	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-45557	Lab File ID:	V0821019.D
Dilution:	1.0			Initial Weight/Volume:	1020 mL
Analysis Date:	08/21/2012 2355			Final Weight/Volume:	1.0 mL
Prep Date:	08/20/2012 1022			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.014	0.20
Acenaphthylene	ND		0.015	0.20
Acetophenone	ND		0.078	0.98
Anthracene	ND		0.15	0.20
Atrazine	ND		0.087	0.98
Benzaldehyde	ND		0.15	0.98
Benzo[a]anthracene	1.1		0.014	0.20
Benzo[b]fluoranthene	1.1		0.015	0.20
Benzo[k]fluoranthene	1.2		0.054	0.20
Benzo[g,h,i]perylene	1.3		0.015	0.20
Benzo[a]pyrene	0.80		0.013	0.20
Bis(2-chloroethoxy)methane	ND		0.057	0.98
Bis(2-chloroethyl)ether	ND		0.025	0.20
Bis(2-ethylhexyl) phthalate	1.2	J	1.2	2.0
Butyl benzyl phthalate	0.37	J	0.14	0.98
1,1'-Biphenyl	ND		0.041	0.98
Caprolactam	ND		1.2	4.9
Carbazole	ND		0.015	0.20
Chrysene	1.2		0.014	0.20
2-Chloronaphthalene	ND		0.015	0.20
2-Chlorophenol	ND		0.16	0.98
2,4-Dichlorophenol	ND		0.033	0.20
2,4-Dimethylphenol	ND		0.084	0.98
2,4-Dinitrophenol	ND		0.60	4.9
2,4-Dinitrotoluene	ND		0.053	0.98
2,6-Dinitrotoluene	ND		0.078	0.98
2-Methylnaphthalene	ND		0.012	0.20
2-Methylphenol	ND		0.085	0.98
2-Nitroaniline	ND		0.34	4.9
2-Nitrophenol	ND		0.17	0.98
2,2'-oxybis[1-chloropropane]	ND		0.019	0.20
2,4,5-Trichlorophenol	ND		0.15	0.98
2,4,6-Trichlorophenol	ND		0.17	0.98
4-Nitroaniline	ND		0.17	4.9
4-Nitrophenol	ND		0.63	4.9
4-Chlorophenyl phenyl ether	ND		0.049	0.98
Methylphenol, 3 & 4	ND		0.088	0.98
4,6-Dinitro-2-methylphenol	ND		0.22	4.9
4-Chloroaniline	ND		0.087	0.98
4-Chloro-3-methylphenol	ND		0.074	0.98
4-Bromophenyl phenyl ether	ND		0.062	0.98
Dibenz(a,h)anthracene	1.2		0.015	0.20
Dibenzofuran	ND		0.060	0.98
Di-n-butyl phthalate	ND		0.12	0.98
Diethyl phthalate	ND		0.14	0.98
Dimethyl phthalate	ND		0.075	0.98

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-107**

Lab Sample ID: 180-13537-3

Client Matrix: Water

Date Sampled: 08/16/2012 0900

Date Received: 08/17/2012 0910

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-45848	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-45557	Lab File ID:	V0821019.D
Dilution:	1.0			Initial Weight/Volume:	1020 mL
Analysis Date:	08/21/2012 2355			Final Weight/Volume:	1.0 mL
Prep Date:	08/20/2012 1022			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Di-n-octyl phthalate	1.1		0.20	0.98
3,3'-Dichlorobenzidine	ND		0.11	0.98
3-Nitroaniline	ND		0.32	4.9
Fluoranthene	0.54		0.016	0.20
Fluorene	ND		0.021	0.20
Hexachlorobenzene	0.10	J	0.018	0.20
Hexachlorobutadiene	0.092	J	0.016	0.20
Hexachlorocyclopentadiene	ND	*	0.051	0.98
Hexachloroethane	ND		0.062	0.98
Indeno[1,2,3-cd]pyrene	1.2		0.020	0.20
Isophorone	ND		0.063	0.98
Naphthalene	ND		0.014	0.20
Nitrobenzene	ND		0.083	2.0
N-Nitrosodiphenylamine	ND		0.084	0.98
N-Nitrosodi-n-propylamine	ND		0.030	0.20
Pyrene	0.45		0.015	0.20
Phenol	ND		0.057	0.20
Phenanthrene	ND		0.042	0.20
Pentachlorophenol	ND		0.065	0.98
1,4-Dioxane	ND		0.14	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	48		16 - 122
2-Fluorobiphenyl	52		19 - 107
2-Fluorophenol	54		10 - 111
Nitrobenzene-d5	55		23 - 112
Phenol-d5	52		15 - 112
Terphenyl-d14	63		10 - 132

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-113**

Lab Sample ID: 180-13537-4

Client Matrix: Water

Date Sampled: 08/16/2012 0930

Date Received: 08/17/2012 0910

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-45848	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-45557	Lab File ID:	V0821020.D
Dilution:	1.0			Initial Weight/Volume:	1020 mL
Analysis Date:	08/22/2012 0019			Final Weight/Volume:	1.0 mL
Prep Date:	08/20/2012 1022			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.014	0.20
Acenaphthylene	ND		0.015	0.20
Acetophenone	ND		0.078	0.98
Anthracene	ND		0.15	0.20
Atrazine	ND		0.087	0.98
Benzaldehyde	ND		0.15	0.98
Benzo[a]anthracene	0.026	J	0.014	0.20
Benzo[b]fluoranthene	0.029	J	0.015	0.20
Benzo[k]fluoranthene	ND		0.054	0.20
Benzo[g,h,i]perylene	0.043	J	0.015	0.20
Benzo[a]pyrene	ND		0.013	0.20
Bis(2-chloroethoxy)methane	ND		0.057	0.98
Bis(2-chloroethyl)ether	ND		0.025	0.20
Bis(2-ethylhexyl) phthalate	ND		1.2	2.0
Butyl benzyl phthalate	ND		0.14	0.98
1,1'-Biphenyl	ND		0.041	0.98
Caprolactam	ND		1.2	4.9
Carbazole	ND		0.015	0.20
Chrysene	0.037	J	0.014	0.20
2-Chloronaphthalene	ND		0.015	0.20
2-Chlorophenol	ND		0.16	0.98
2,4-Dichlorophenol	ND		0.033	0.20
2,4-Dimethylphenol	ND		0.084	0.98
2,4-Dinitrophenol	ND		0.60	4.9
2,4-Dinitrotoluene	ND		0.053	0.98
2,6-Dinitrotoluene	ND		0.078	0.98
2-Methylnaphthalene	ND		0.012	0.20
2-Methylphenol	ND		0.085	0.98
2-Nitroaniline	ND		0.34	4.9
2-Nitrophenol	ND		0.17	0.98
2,2'-oxybis[1-chloropropane]	ND		0.019	0.20
2,4,5-Trichlorophenol	ND		0.15	0.98
2,4,6-Trichlorophenol	ND		0.17	0.98
4-Nitroaniline	ND		0.17	4.9
4-Nitrophenol	ND		0.63	4.9
4-Chlorophenyl phenyl ether	ND		0.049	0.98
Methylphenol, 3 & 4	ND		0.088	0.98
4,6-Dinitro-2-methylphenol	ND		0.22	4.9
4-Chloroaniline	ND		0.087	0.98
4-Chloro-3-methylphenol	ND		0.074	0.98
4-Bromophenyl phenyl ether	ND		0.062	0.98
Dibenz(a,h)anthracene	0.037	J	0.015	0.20
Dibenzofuran	ND		0.060	0.98
Di-n-butyl phthalate	ND		0.12	0.98
Diethyl phthalate	ND		0.14	0.98
Dimethyl phthalate	ND		0.075	0.98

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-113**

Lab Sample ID: 180-13537-4

Client Matrix: Water

Date Sampled: 08/16/2012 0930

Date Received: 08/17/2012 0910

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-45848	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-45557	Lab File ID:	V0821020.D
Dilution:	1.0			Initial Weight/Volume:	1020 mL
Analysis Date:	08/22/2012 0019			Final Weight/Volume:	1.0 mL
Prep Date:	08/20/2012 1022			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Di-n-octyl phthalate	ND		0.20	0.98
3,3'-Dichlorobenzidine	ND		0.11	0.98
3-Nitroaniline	ND		0.32	4.9
Fluoranthene	ND		0.016	0.20
Fluorene	ND		0.021	0.20
Hexachlorobenzene	ND		0.018	0.20
Hexachlorobutadiene	0.086	J	0.016	0.20
Hexachlorocyclopentadiene	ND	*	0.051	0.98
Hexachloroethane	ND		0.062	0.98
Indeno[1,2,3-cd]pyrene	0.036	J	0.020	0.20
Isophorone	ND		0.063	0.98
Naphthalene	ND		0.014	0.20
Nitrobenzene	ND		0.083	2.0
N-Nitrosodiphenylamine	ND		0.084	0.98
N-Nitrosodi-n-propylamine	ND		0.030	0.20
Pyrene	ND		0.015	0.20
Phenol	ND		0.057	0.20
Phenanthrene	ND		0.042	0.20
Pentachlorophenol	ND		0.065	0.98
1,4-Dioxane	ND		0.14	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	44		16 - 122
2-Fluorobiphenyl	48		19 - 107
2-Fluorophenol	49		10 - 111
Nitrobenzene-d5	49		23 - 112
Phenol-d5	48		15 - 112
Terphenyl-d14	63		10 - 132

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-110**

Lab Sample ID: 180-13537-5

Client Matrix: Water

Date Sampled: 08/16/2012 1140

Date Received: 08/17/2012 0910

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-45848	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-45557	Lab File ID:	V0821021.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	08/22/2012 0043			Final Weight/Volume:	1.0 mL
Prep Date:	08/20/2012 1022			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: 180-13537-1

Client Sample ID: **MW-110**

Lab Sample ID: 180-13537-5

Client Matrix: Water

Date Sampled: 08/16/2012 1140

Date Received: 08/17/2012 0910

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-45848	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-45557	Lab File ID:	V0821021.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	08/22/2012 0043			Final Weight/Volume:	1.0 mL
Prep Date:	08/20/2012 1022			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	43		16 - 122
2-Fluorobiphenyl	49		19 - 107
2-Fluorophenol	50		10 - 111
Nitrobenzene-d5	49		23 - 112
Phenol-d5	49		15 - 112
Terphenyl-d14	56		10 - 132

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-102**

Lab Sample ID: 180-13537-6

Client Matrix: Water

Date Sampled: 08/16/2012 1200

Date Received: 08/17/2012 0910

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-45848	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-45557	Lab File ID:	V0821022.D
Dilution:	1.0			Initial Weight/Volume:	1010 mL
Analysis Date:	08/22/2012 0107			Final Weight/Volume:	1.0 mL
Prep Date:	08/20/2012 1022			Injection Volume:	2 uL

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

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-102**

Lab Sample ID: 180-13537-6

Client Matrix: Water

Date Sampled: 08/16/2012 1200

Date Received: 08/17/2012 0910

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-45848	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-45557	Lab File ID:	V0821022.D
Dilution:	1.0			Initial Weight/Volume:	1010 mL
Analysis Date:	08/22/2012 0107			Final Weight/Volume:	1.0 mL
Prep Date:	08/20/2012 1022			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Di-n-octyl phthalate	ND		0.20	0.99
3,3'-Dichlorobenzidine	ND		0.11	0.99
3-Nitroaniline	ND		0.32	5.0
Fluoranthene	ND		0.016	0.20
Fluorene	ND		0.021	0.20
Hexachlorobenzene	ND		0.018	0.20
Hexachlorobutadiene	1.2		0.016	0.20
Hexachlorocyclopentadiene	ND	*	0.051	0.99
Hexachloroethane	0.14	J	0.062	0.99
Indeno[1,2,3-cd]pyrene	ND		0.020	0.20
Isophorone	ND		0.064	0.99
Naphthalene	ND		0.014	0.20
Nitrobenzene	ND		0.083	2.0
N-Nitrosodiphenylamine	ND		0.084	0.99
N-Nitrosodi-n-propylamine	ND		0.030	0.20
Pyrene	ND		0.016	0.20
Phenol	ND		0.058	0.20
Phenanthrene	0.042	J	0.042	0.20
Pentachlorophenol	ND		0.066	0.99
1,4-Dioxane	ND		0.14	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	51		16 - 122
2-Fluorobiphenyl	52		19 - 107
2-Fluorophenol	57		10 - 111
Nitrobenzene-d5	54		23 - 112
Phenol-d5	55		15 - 112
Terphenyl-d14	57		10 - 132

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-101**

Lab Sample ID: 180-13537-2

Client Matrix: Water

Date Sampled: 08/16/2012 0815

Date Received: 08/17/2012 0910

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-47297	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-45667	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	09/05/2012 1944			Injection Volume:	1 uL
Prep Date:	08/20/2012 1355			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.00079	0.0012
alpha-BHC	ND		0.00063	0.0012
beta-BHC	ND		0.00095	0.0012
delta-BHC	ND		0.00036	0.0012
gamma-BHC (Lindane)	ND		0.00076	0.0012
alpha-Chlordane	ND		0.00093	0.0012
gamma-Chlordane	ND		0.00091	0.0012
4,4'-DDD	ND		0.00064	0.0012
4,4'-DDE	ND		0.00075	0.0012
4,4'-DDT	ND	*	0.00070	0.0012
Dieldrin	ND		0.00078	0.0012
Endosulfan I	ND		0.00090	0.0012
Endosulfan II	ND		0.00093	0.0012
Endosulfan sulfate	ND		0.00054	0.0012
Endrin	ND		0.00091	0.0012
Endrin aldehyde	ND		0.00086	0.0012
Endrin ketone	ND		0.00088	0.0012
Heptachlor	ND		0.00094	0.0012
Heptachlor epoxide	ND		0.00092	0.0012
Methoxychlor	ND		0.00087	0.0024
Toxaphene	ND		0.018	0.095

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	35	X	60 - 111
DCB Decachlorobiphenyl (Surr)	74		56 - 122

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-101**

Lab Sample ID: 180-13537-2

Client Matrix: Water

Date Sampled: 08/16/2012 0815

Date Received: 08/17/2012 0910

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-47297	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-45667	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	09/05/2012 1944			Injection Volume:	1 uL
Prep Date:	08/20/2012 1355			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	32	X	60 - 111
DCB Decachlorobiphenyl (Surr)	64		56 - 122

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-107**

Lab Sample ID: 180-13537-3

Client Matrix: Water

Date Sampled: 08/16/2012 0900

Date Received: 08/17/2012 0910

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-47297	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-45667	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	09/05/2012 2000			Injection Volume:	1 uL
Prep Date:	08/20/2012 1355			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.00079	0.0012
alpha-BHC	ND		0.00063	0.0012
beta-BHC	ND		0.00095	0.0012
delta-BHC	ND		0.00036	0.0012
gamma-BHC (Lindane)	ND		0.00076	0.0012
alpha-Chlordane	ND		0.00093	0.0012
gamma-Chlordane	ND		0.00091	0.0012
4,4'-DDD	ND		0.00064	0.0012
4,4'-DDE	ND		0.00075	0.0012
4,4'-DDT	ND	*	0.00070	0.0012
Dieldrin	ND		0.00078	0.0012
Endosulfan I	ND		0.00090	0.0012
Endosulfan II	ND		0.00093	0.0012
Endosulfan sulfate	ND		0.00054	0.0012
Endrin	ND		0.00091	0.0012
Endrin aldehyde	ND		0.00086	0.0012
Endrin ketone	ND		0.00088	0.0012
Heptachlor	ND		0.00094	0.0012
Heptachlor epoxide	ND		0.00092	0.0012
Methoxychlor	ND		0.00087	0.0024
Toxaphene	ND		0.018	0.095

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	37	X	60 - 111
DCB Decachlorobiphenyl (Surr)	71		56 - 122

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-107**

Lab Sample ID: 180-13537-3

Client Matrix: Water

Date Sampled: 08/16/2012 0900

Date Received: 08/17/2012 0910

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-47297	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-45667	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	09/05/2012 2000			Injection Volume:	1 uL
Prep Date:	08/20/2012 1355			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	36	X	60 - 111
DCB Decachlorobiphenyl (Surr)	65		56 - 122

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-113**

Lab Sample ID: 180-13537-4

Client Matrix: Water

Date Sampled: 08/16/2012 0930

Date Received: 08/17/2012 0910

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-47297	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-45667	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	09/05/2012 2016			Injection Volume:	1 uL
Prep Date:	08/20/2012 1355			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.00079	0.0012
alpha-BHC	ND		0.00063	0.0012
beta-BHC	ND		0.00095	0.0012
delta-BHC	ND		0.00036	0.0012
gamma-BHC (Lindane)	ND		0.00076	0.0012
alpha-Chlordane	ND		0.00093	0.0012
gamma-Chlordane	ND		0.00091	0.0012
4,4'-DDD	ND		0.00064	0.0012
4,4'-DDE	ND		0.00075	0.0012
4,4'-DDT	ND	*	0.00070	0.0012
Dieldrin	ND		0.00078	0.0012
Endosulfan I	ND		0.00090	0.0012
Endosulfan II	ND		0.00093	0.0012
Endosulfan sulfate	ND		0.00054	0.0012
Endrin	ND		0.00091	0.0012
Endrin aldehyde	ND		0.00086	0.0012
Endrin ketone	ND		0.00088	0.0012
Heptachlor	ND		0.00094	0.0012
Heptachlor epoxide	ND		0.00092	0.0012
Methoxychlor	ND		0.00087	0.0024
Toxaphene	ND		0.018	0.095

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	33	X	60 - 111
DCB Decachlorobiphenyl (Surr)	76		56 - 122

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-113**

Lab Sample ID: 180-13537-4

Client Matrix: Water

Date Sampled: 08/16/2012 0930

Date Received: 08/17/2012 0910

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-47297	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-45667	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	09/05/2012 2016			Injection Volume:	1 uL
Prep Date:	08/20/2012 1355			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	32	X	60 - 111
DCB Decachlorobiphenyl (Surr)	71		56 - 122

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-110**

Lab Sample ID: 180-13537-5

Client Matrix: Water

Date Sampled: 08/16/2012 1140

Date Received: 08/17/2012 0910

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-47297	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-45667	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	09/05/2012 2031			Injection Volume:	1 uL
Prep Date:	08/20/2012 1355			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.00078	0.0012
alpha-BHC	ND		0.00062	0.0012
beta-BHC	ND		0.00094	0.0012
delta-BHC	ND		0.00036	0.0012
gamma-BHC (Lindane)	ND		0.00075	0.0012
alpha-Chlordane	ND		0.00092	0.0012
gamma-Chlordane	ND		0.00091	0.0012
4,4'-DDD	ND		0.00063	0.0012
4,4'-DDE	ND		0.00075	0.0012
4,4'-DDT	ND	*	0.00070	0.0012
Dieldrin	ND		0.00077	0.0012
Endosulfan I	ND		0.00089	0.0012
Endosulfan II	ND		0.00092	0.0012
Endosulfan sulfate	ND		0.00054	0.0012
Endrin	ND		0.00091	0.0012
Endrin aldehyde	ND		0.00085	0.0012
Endrin ketone	ND		0.00087	0.0012
Heptachlor	ND		0.00093	0.0012
Heptachlor epoxide	ND		0.00092	0.0012
Methoxychlor	ND		0.00086	0.0024
Toxaphene	ND		0.018	0.094

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	31	X	60 - 111
DCB Decachlorobiphenyl (Surr)	69		56 - 122

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-110**

Lab Sample ID: 180-13537-5

Client Matrix: Water

Date Sampled: 08/16/2012 1140

Date Received: 08/17/2012 0910

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-47297	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-45667	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	09/05/2012 2031			Injection Volume:	1 uL
Prep Date:	08/20/2012 1355			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	29	X	60 - 111
DCB Decachlorobiphenyl (Surr)	66		56 - 122

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-102**

Lab Sample ID: 180-13537-6

Client Matrix: Water

Date Sampled: 08/16/2012 1200

Date Received: 08/17/2012 0910

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-47297	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-45667	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	09/05/2012 2047			Injection Volume:	1 uL
Prep Date:	08/20/2012 1908			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	0.00080	J p	0.00079	0.0012
alpha-BHC	ND		0.00063	0.0012
beta-BHC	ND		0.00095	0.0012
delta-BHC	0.00041	J p	0.00036	0.0012
gamma-BHC (Lindane)	ND		0.00076	0.0012
alpha-Chlordane	ND		0.00093	0.0012
gamma-Chlordane	0.0011	J p	0.00091	0.0012
4,4'-DDD	ND		0.00064	0.0012
4,4'-DDE	ND		0.00075	0.0012
4,4'-DDT	ND	*	0.00070	0.0012
Dieldrin	0.00099	J p	0.00078	0.0012
Endosulfan I	ND		0.00090	0.0012
Endosulfan II	0.0017	p	0.00093	0.0012
Endosulfan sulfate	0.00078	J p	0.00054	0.0012
Endrin	0.0013	p	0.00091	0.0012
Endrin aldehyde	ND		0.00086	0.0012
Endrin ketone	0.0098		0.00088	0.0012
Heptachlor	ND		0.00094	0.0012
Heptachlor epoxide	0.00092	J p	0.00092	0.0012
Methoxychlor	0.0025	p	0.00087	0.0024
Toxaphene	ND		0.018	0.095

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	33	X	60 - 111
DCB Decachlorobiphenyl (Surr)	119		56 - 122

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-102**

Lab Sample ID: 180-13537-6

Client Matrix: Water

Date Sampled: 08/16/2012 1200

Date Received: 08/17/2012 0910

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	180-47297	Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-45667	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	09/05/2012 2047			Injection Volume:	1 uL
Prep Date:	08/20/2012 1908			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	33	X	60 - 111
DCB Decachlorobiphenyl (Surr)	108		56 - 122

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-101**

Lab Sample ID: 180-13537-2

Client Matrix: Water

Date Sampled: 08/16/2012 0815

Date Received: 08/17/2012 0910

8082 Polychlorinated Biphenyls (PCBs) (GC)

Analysis Method:	8082	Analysis Batch:	180-47722	Instrument ID:	GC8
Prep Method:	3510C	Prep Batch:	180-45667	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	08/30/2012 0445			Injection Volume:	1 uL
Prep Date:	08/20/2012 1355			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.0024	0.0095
PCB-1221	ND		0.0024	0.0095
PCB-1232	ND		0.0028	0.0095
PCB-1242	ND		0.0018	0.0095
PCB-1248	ND		0.0022	0.0095
PCB-1254	ND		0.0022	0.0095
PCB-1260	ND		0.0013	0.0095

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	82		50 - 140
Tetrachloro-m-xylene	42	X	47 - 150

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-107**

Lab Sample ID: 180-13537-3

Client Matrix: Water

Date Sampled: 08/16/2012 0900

Date Received: 08/17/2012 0910

8082 Polychlorinated Biphenyls (PCBs) (GC)

Analysis Method:	8082	Analysis Batch:	180-47722	Instrument ID:	GC8
Prep Method:	3510C	Prep Batch:	180-45667	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	08/30/2012 0510			Injection Volume:	1 uL
Prep Date:	08/20/2012 1355			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.0024	0.0095
PCB-1221	ND		0.0024	0.0095
PCB-1232	ND		0.0028	0.0095
PCB-1242	ND		0.0018	0.0095
PCB-1248	ND		0.0022	0.0095
PCB-1254	ND		0.0022	0.0095
PCB-1260	ND		0.0013	0.0095

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	86		50 - 140
Tetrachloro-m-xylene	49		47 - 150

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-113**

Lab Sample ID: 180-13537-4

Client Matrix: Water

Date Sampled: 08/16/2012 0930

Date Received: 08/17/2012 0910

8082 Polychlorinated Biphenyls (PCBs) (GC)

Analysis Method:	8082	Analysis Batch:	180-47722	Instrument ID:	GC8
Prep Method:	3510C	Prep Batch:	180-45667	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	08/30/2012 0534			Injection Volume:	1 uL
Prep Date:	08/20/2012 1355			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.0024	0.0095
PCB-1221	ND		0.0024	0.0095
PCB-1232	ND		0.0028	0.0095
PCB-1242	ND		0.0018	0.0095
PCB-1248	ND		0.0022	0.0095
PCB-1254	ND		0.0022	0.0095
PCB-1260	ND		0.0013	0.0095

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	91		50 - 140
Tetrachloro-m-xylene	44	X	47 - 150

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-110**

Lab Sample ID: 180-13537-5

Client Matrix: Water

Date Sampled: 08/16/2012 1140

Date Received: 08/17/2012 0910

8082 Polychlorinated Biphenyls (PCBs) (GC)

Analysis Method:	8082	Analysis Batch:	180-47722	Instrument ID:	GC8
Prep Method:	3510C	Prep Batch:	180-45667	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	08/30/2012 0559			Injection Volume:	1 uL
Prep Date:	08/20/2012 1355			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.0024	0.0094
PCB-1221	ND		0.0023	0.0094
PCB-1232	ND		0.0028	0.0094
PCB-1242	ND		0.0018	0.0094
PCB-1248	ND		0.0021	0.0094
PCB-1254	ND		0.0022	0.0094
PCB-1260	ND		0.0013	0.0094

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	91		50 - 140
Tetrachloro-m-xylene	42	X	47 - 150

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-102**

Lab Sample ID: 180-13537-6

Client Matrix: Water

Date Sampled: 08/16/2012 1200

Date Received: 08/17/2012 0910

8082 Polychlorinated Biphenyls (PCBs) (GC)

Analysis Method:	8082	Analysis Batch:	180-47722	Instrument ID:	GC8
Prep Method:	3510C	Prep Batch:	180-45667	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	08/30/2012 0623			Injection Volume:	1 uL
Prep Date:	08/20/2012 1908			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.0024	0.0095
PCB-1221	ND		0.0024	0.0095
PCB-1232	ND		0.0028	0.0095
PCB-1242	ND		0.0018	0.0095
PCB-1248	ND		0.0022	0.0095
PCB-1254	ND		0.0022	0.0095
PCB-1260	0.16		0.0013	0.0095

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	137		50 - 140
Tetrachloro-m-xylene	43	X	47 - 150

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-101**

Lab Sample ID: 180-13537-2

Client Matrix: Water

Date Sampled: 08/16/2012 0815

Date Received: 08/17/2012 0910

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	180-47174	Instrument ID:	GC1
Prep Method:	8151A	Prep Batch:	180-45828	Initial Weight/Volume:	1060 mL
Dilution:	20			Final Weight/Volume:	10.0 mL
Analysis Date:	08/31/2012 1924			Injection Volume:	1 uL
Prep Date:	08/21/2012 1600			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4-D	ND		0.43	3.8

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-101**

Lab Sample ID: 180-13537-2

Client Matrix: Water

Date Sampled: 08/16/2012 0815

Date Received: 08/17/2012 0910

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	180-47174	Instrument ID:	GC1
Prep Method:	8151A	Prep Batch:	180-45828	Initial Weight/Volume:	1060 mL
Dilution:	20			Final Weight/Volume:	10.0 mL
Analysis Date:	08/31/2012 1924			Injection Volume:	1 uL
Prep Date:	08/21/2012 1600			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	72		32 - 140

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-101**

Lab Sample ID: 180-13537-2

Client Matrix: Water

Date Sampled: 08/16/2012 0815

Date Received: 08/17/2012 0910

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	180-47167	Instrument ID:	GC1
Prep Method:	8151A	Prep Batch:	180-45828	Initial Weight/Volume:	1060 mL
Dilution:	20			Final Weight/Volume:	10.0 mL
Analysis Date:	08/31/2012 1950			Injection Volume:	1 uL
Prep Date:	08/21/2012 1600			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-T	ND	*	0.091	0.94
Silvex (2,4,5-TP)	ND	*	0.10	0.94

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	73		32 - 140

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-107**

Lab Sample ID: 180-13537-3

Client Matrix: Water

Date Sampled: 08/16/2012 0900

Date Received: 08/17/2012 0910

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	180-47174	Instrument ID:	GC1
Prep Method:	8151A	Prep Batch:	180-45828	Initial Weight/Volume:	1050 mL
Dilution:	20			Final Weight/Volume:	10.0 mL
Analysis Date:	08/31/2012 1950			Injection Volume:	1 uL
Prep Date:	08/21/2012 1600			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4-D	ND		0.43	3.8

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-107**

Lab Sample ID: 180-13537-3

Client Matrix: Water

Date Sampled: 08/16/2012 0900

Date Received: 08/17/2012 0910

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	180-47174	Instrument ID:	GC1
Prep Method:	8151A	Prep Batch:	180-45828	Initial Weight/Volume:	1050 mL
Dilution:	20			Final Weight/Volume:	10.0 mL
Analysis Date:	08/31/2012 1950			Injection Volume:	1 uL
Prep Date:	08/21/2012 1600			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	73		32 - 140

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-107**

Lab Sample ID: 180-13537-3

Client Matrix: Water

Date Sampled: 08/16/2012 0900

Date Received: 08/17/2012 0910

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	180-47167	Instrument ID:	GC1
Prep Method:	8151A	Prep Batch:	180-45828	Initial Weight/Volume:	1050 mL
Dilution:	20			Final Weight/Volume:	10.0 mL
Analysis Date:	08/31/2012 2015			Injection Volume:	1 uL
Prep Date:	08/21/2012 1600			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-T	ND	*	0.092	0.95
Silvex (2,4,5-TP)	ND	*	0.10	0.95

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	77		32 - 140

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-113**

Lab Sample ID: 180-13537-4

Client Matrix: Water

Date Sampled: 08/16/2012 0930

Date Received: 08/17/2012 0910

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	180-47174	Instrument ID:	GC1
Prep Method:	8151A	Prep Batch:	180-45828	Initial Weight/Volume:	1060 mL
Dilution:	20			Final Weight/Volume:	10.0 mL
Analysis Date:	08/31/2012 2015			Injection Volume:	1 uL
Prep Date:	08/21/2012 1600			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4-D	ND		0.43	3.8

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-113**

Lab Sample ID: 180-13537-4

Client Matrix: Water

Date Sampled: 08/16/2012 0930

Date Received: 08/17/2012 0910

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	180-47174	Instrument ID:	GC1
Prep Method:	8151A	Prep Batch:	180-45828	Initial Weight/Volume:	1060 mL
Dilution:	20			Final Weight/Volume:	10.0 mL
Analysis Date:	08/31/2012 2015			Injection Volume:	1 uL
Prep Date:	08/21/2012 1600			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	71		32 - 140

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-113**

Lab Sample ID: 180-13537-4

Client Matrix: Water

Date Sampled: 08/16/2012 0930

Date Received: 08/17/2012 0910

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	180-47167	Instrument ID:	GC1
Prep Method:	8151A	Prep Batch:	180-45828	Initial Weight/Volume:	1060 mL
Dilution:	20			Final Weight/Volume:	10.0 mL
Analysis Date:	08/31/2012 2040			Injection Volume:	1 uL
Prep Date:	08/21/2012 1600			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-T	ND	*	0.091	0.94
Silvex (2,4,5-TP)	ND	*	0.10	0.94

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	71		32 - 140

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-110**

Lab Sample ID: 180-13537-5

Client Matrix: Water

Date Sampled: 08/16/2012 1140

Date Received: 08/17/2012 0910

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	180-47174	Instrument ID:	GC1
Prep Method:	8151A	Prep Batch:	180-45828	Initial Weight/Volume:	1060 mL
Dilution:	20			Final Weight/Volume:	10.0 mL
Analysis Date:	08/31/2012 2040			Injection Volume:	1 uL
Prep Date:	08/21/2012 1600			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4-D	ND		0.43	3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	57		32 - 140

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-110**

Lab Sample ID: 180-13537-5

Client Matrix: Water

Date Sampled: 08/16/2012 1140

Date Received: 08/17/2012 0910

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	180-47167	Instrument ID:	GC1
Prep Method:	8151A	Prep Batch:	180-45828	Initial Weight/Volume:	1060 mL
Dilution:	20			Final Weight/Volume:	10.0 mL
Analysis Date:	08/31/2012 2105			Injection Volume:	1 uL
Prep Date:	08/21/2012 1600			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-T	ND	*	0.091	0.94
Silvex (2,4,5-TP)	ND	*	0.10	0.94

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-110**

Lab Sample ID: 180-13537-5

Client Matrix: Water

Date Sampled: 08/16/2012 1140

Date Received: 08/17/2012 0910

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	180-47167	Instrument ID:	GC1
Prep Method:	8151A	Prep Batch:	180-45828	Initial Weight/Volume:	1060 mL
Dilution:	20			Final Weight/Volume:	10.0 mL
Analysis Date:	08/31/2012 2105			Injection Volume:	1 uL
Prep Date:	08/21/2012 1600			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	56		32 - 140

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-102**

Lab Sample ID: 180-13537-6

Client Matrix: Water

Date Sampled: 08/16/2012 1200

Date Received: 08/17/2012 0910

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	180-47174	Instrument ID:	GC1
Prep Method:	8151A	Prep Batch:	180-45828	Initial Weight/Volume:	1050 mL
Dilution:	20			Final Weight/Volume:	10.0 mL
Analysis Date:	08/31/2012 2105			Injection Volume:	1 uL
Prep Date:	08/21/2012 1600			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4-D	ND		0.43	3.8

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-102**

Lab Sample ID: 180-13537-6

Client Matrix: Water

Date Sampled: 08/16/2012 1200

Date Received: 08/17/2012 0910

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	180-47174	Instrument ID:	GC1
Prep Method:	8151A	Prep Batch:	180-45828	Initial Weight/Volume:	1050 mL
Dilution:	20			Final Weight/Volume:	10.0 mL
Analysis Date:	08/31/2012 2105			Injection Volume:	1 uL
Prep Date:	08/21/2012 1600			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	66		32 - 140

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-102**

Lab Sample ID: 180-13537-6

Client Matrix: Water

Date Sampled: 08/16/2012 1200

Date Received: 08/17/2012 0910

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	180-47167	Instrument ID:	GC1
Prep Method:	8151A	Prep Batch:	180-45828	Initial Weight/Volume:	1050 mL
Dilution:	20			Final Weight/Volume:	10.0 mL
Analysis Date:	08/31/2012 2130			Injection Volume:	1 uL
Prep Date:	08/21/2012 1600			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-T	ND	*	0.092	0.95
Silvex (2,4,5-TP)	ND	*	0.10	0.95

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	70		32 - 140

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-101**

Lab Sample ID: 180-13537-2

Client Matrix: Water

Date Sampled: 08/16/2012 0815

Date Received: 08/17/2012 0910

6020A Metals (ICP/MS)

Analysis Method:	6020A	Analysis Batch:	180-47625	Instrument ID:	M
Prep Method:	3010A	Prep Batch:	180-45944	Lab File ID:	M20906A.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/07/2012 0029			Final Weight/Volume:	50 mL
Prep Date:	08/22/2012 1517				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	11		0.29	1.0
Barium	370		0.098	10
Lead	45	B	0.019	1.0
Iron	110000		6.1	50
Manganese	730	B	0.039	5.0
Vanadium	87	B	0.082	1.0

6020A Metals (ICP/MS)-Dissolved

Analysis Method:	6020A	Analysis Batch:	180-47625	Instrument ID:	M
Prep Method:	3005A	Prep Batch:	180-45945	Lab File ID:	M20906A.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/06/2012 1845			Final Weight/Volume:	50 mL
Prep Date:	08/22/2012 1518				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	2.0		0.29	1.0
Barium	88	B	0.098	10
Iron	210		6.1	50
Lead	0.069	J B	0.019	1.0
Manganese	110	B	0.039	5.0
Vanadium	4.3		0.082	1.0

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-107**

Lab Sample ID: 180-13537-3

Client Matrix: Water

Date Sampled: 08/16/2012 0900

Date Received: 08/17/2012 0910

6020A Metals (ICP/MS)

Analysis Method:	6020A	Analysis Batch:	180-47625	Instrument ID:	M
Prep Method:	3010A	Prep Batch:	180-45944	Lab File ID:	M20906A.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/07/2012 0033			Final Weight/Volume:	50 mL
Prep Date:	08/22/2012 1517				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	2.2		0.29	1.0
Barium	59		0.098	10
Lead	0.17	J B	0.019	1.0
Iron	140		6.1	50
Manganese	5500	B	0.039	5.0
Vanadium	4.3	B	0.082	1.0

6020A Metals (ICP/MS)-Dissolved

Analysis Method:	6020A	Analysis Batch:	180-47625	Instrument ID:	M
Prep Method:	3005A	Prep Batch:	180-45945	Lab File ID:	M20906A.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/06/2012 1904			Final Weight/Volume:	50 mL
Prep Date:	08/22/2012 1518				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	2.4		0.29	1.0
Barium	53	B	0.098	10
Iron	ND		6.1	50
Lead	0.15	J B	0.019	1.0
Manganese	5000	B	0.039	5.0
Vanadium	5.3		0.082	1.0

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-113**

Lab Sample ID: 180-13537-4

Client Matrix: Water

Date Sampled: 08/16/2012 0930

Date Received: 08/17/2012 0910

6020A Metals (ICP/MS)

Analysis Method:	6020A	Analysis Batch:	180-47625	Instrument ID:	M
Prep Method:	3010A	Prep Batch:	180-45944	Lab File ID:	M20906A.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/07/2012 0038			Final Weight/Volume:	50 mL
Prep Date:	08/22/2012 1517				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	1.1		0.29	1.0
Barium	57		0.098	10
Lead	0.12	J B	0.019	1.0
Iron	150		6.1	50
Manganese	5200	B	0.039	5.0
Vanadium	3.9	B	0.082	1.0

6020A Metals (ICP/MS)-Dissolved

Analysis Method:	6020A	Analysis Batch:	180-47625	Instrument ID:	M
Prep Method:	3005A	Prep Batch:	180-45945	Lab File ID:	M20906A.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/06/2012 1908			Final Weight/Volume:	50 mL
Prep Date:	08/22/2012 1518				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	0.89	J	0.29	1.0
Barium	55	B	0.098	10
Iron	ND		6.1	50
Lead	0.14	J B	0.019	1.0
Manganese	4600	B	0.039	5.0
Vanadium	5.6		0.082	1.0

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-110**

Lab Sample ID: 180-13537-5

Client Matrix: Water

Date Sampled: 08/16/2012 1140

Date Received: 08/17/2012 0910

6020A Metals (ICP/MS)

Analysis Method:	6020A	Analysis Batch:	180-47625	Instrument ID:	M
Prep Method:	3010A	Prep Batch:	180-45944	Lab File ID:	M20906A.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/07/2012 0042			Final Weight/Volume:	50 mL
Prep Date:	08/22/2012 1517				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	4.1		0.29	1.0
Barium	310		0.098	10
Lead	0.98	J B	0.019	1.0
Iron	1500		6.1	50
Manganese	1200	B	0.039	5.0
Vanadium	9.6	B	0.082	1.0

6020A Metals (ICP/MS)-Dissolved

Analysis Method:	6020A	Analysis Batch:	180-47625	Instrument ID:	M
Prep Method:	3005A	Prep Batch:	180-45945	Lab File ID:	M20906A.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/06/2012 1913			Final Weight/Volume:	50 mL
Prep Date:	08/22/2012 1518				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	2.5		0.29	1.0
Barium	370	B	0.098	10
Iron	360		6.1	50
Lead	0.11	J B	0.019	1.0
Manganese	490	B	0.039	5.0
Vanadium	4.4		0.082	1.0

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **MW-102**

Lab Sample ID: 180-13537-6

Client Matrix: Water

Date Sampled: 08/16/2012 1200

Date Received: 08/17/2012 0910

6020A Metals (ICP/MS)

Analysis Method:	6020A	Analysis Batch:	180-47625	Instrument ID:	M
Prep Method:	3010A	Prep Batch:	180-45944	Lab File ID:	M20906A.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/07/2012 0046			Final Weight/Volume:	50 mL
Prep Date:	08/22/2012 1517				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	3.9		0.29	1.0
Barium	180		0.098	10
Lead	5.7	B	0.019	1.0
Iron	13000		6.1	50
Manganese	280	B	0.039	5.0
Vanadium	20	B	0.082	1.0

6020A Metals (ICP/MS)-Dissolved

Analysis Method:	6020A	Analysis Batch:	180-47625	Instrument ID:	M
Prep Method:	3005A	Prep Batch:	180-45945	Lab File ID:	M20906A.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/06/2012 1917			Final Weight/Volume:	50 mL
Prep Date:	08/22/2012 1518				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	0.49	J	0.29	1.0
Barium	110	B	0.098	10
Iron	29	J	6.1	50
Lead	0.10	J B	0.019	1.0
Manganese	140	B	0.039	5.0
Vanadium	5.8		0.082	1.0

Client: Science Applications International Corp

Job Number: 180-13537-1

Client Sample ID: **IDW-1**

Lab Sample ID: 180-13537-7

Client Matrix: Water

Date Sampled: 08/16/2012 1330

Date Received: 08/17/2012 0910

6020A Metals (ICP/MS)-TCLP

Analysis Method:	6020A	Analysis Batch:	180-46214	Instrument ID:	M
Prep Method:	3010A	Prep Batch:	180-45890	Lab File ID:	M20823A.xml
Dilution:	1.0	Leach Batch:	180-45654	Initial Weight/Volume:	5 mL
Analysis Date:	08/23/2012 1810			Final Weight/Volume:	50 mL
Prep Date:	08/22/2012 1050				
Leach Date:	08/20/2012 1753				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.014		0.0029	0.010
Barium	0.12		0.00098	0.10
Cadmium	ND		0.0011	0.010
Chromium	0.027		0.0054	0.020
Lead	0.00033	J B	0.00019	0.010
Selenium	ND		0.0042	0.050
Silver	ND		0.00036	0.010

Client: Science Applications International Corp

Job Number: 180-13537-1

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
180-13537-1	TRIP BLANK	117	116	95	95
180-13537-2	MW-101	115	112	100	99
180-13537-3	MW-107	111	113	97	96
180-13537-4	MW-113	112	113	101	93
180-13537-5	MW-110	116	112	101	99
180-13537-6	MW-102	112	119	100	95
MB 180-46427/4		112	108	100	97
LCS 180-46427/7		96	93	99	88
180-13569-A-2 MS		98	95	102	90
180-13569-A-2 MSD		96	96	101	91

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: 180-13537-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water TCLP

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
180-13537-7	IDW-1	105	122	81	85
LB 180-45830/6-A		101	116	84	87
LCS 180-45860/9		107	118	94	97
180-13635-D-1-C MS		92	111	90	87
180-13635-D-1-D MSD		110	124	86	95

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	80-120
DCA = 1,2-Dichloroethane-d4 (Surr)	64-124
TOL = Toluene-d8 (Surr)	80-120
BFB = 4-Bromofluorobenzene (Surr)	75-120

Client: Science Applications International Corp

Job Number: 180-13537-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water TCLP

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
180-13537-7	IDW-1	84	84	72	76	69	78
MB 180-45791/1-A		82	82	76	73	68	75
LCS 180-45791/2-A		87	86	77	77	72	75
LCSD 180-45791/3-A		81	81	71	72	68	71

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol	26-100
PHL = Phenol-d5	30-102
NBZ = Nitrobenzene-d5	37-104
FBP = 2-Fluorobiphenyl	35-108
TBP = 2,4,6-Tribromophenol	33-122
TPH = Terphenyl-d14	25-130

Client: Science Applications International Corp

Job Number: 180-13537-1

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
180-13537-2	MW-101	65	62	64	61	55	64
180-13537-3	MW-107	54	52	55	52	48	63
180-13537-4	MW-113	49	48	49	48	44	63
180-13537-5	MW-110	50	49	49	49	43	56
180-13537-6	MW-102	57	55	54	52	51	57
MB 180-45557/1-A		68	69	60	60	54	61
LCS 180-45557/2-A		56	51	56	29	69	65
LCSD 180-45557/3-A		55	50	55	29	68	68

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: 180-13537-1

Surrogate Recovery Report

8081A Organochlorine Pesticides (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
180-13537-2	MW-101	32X	35X	74	64
180-13537-3	MW-107	37X	36X	71	65
180-13537-4	MW-113	33X	32X	76	71
180-13537-5	MW-110	31X	29X	69	66
180-13537-6	MW-102	33X	33X	119	108
MB 180-45667/1-A		72	66	74	69
LCS 180-45667/2-A		72	65	77	69
LCSD 180-45667/3-A		71	66	77	70

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	60-111
DCB = DCB Decachlorobiphenyl (Surr)	56-122

Client: Science Applications International Corp

Job Number: 180-13537-1

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX1 %Rec	DCB1 %Rec
180-13537-2	MW-101	42X	82
180-13537-3	MW-107	49	86
180-13537-4	MW-113	44X	91
180-13537-5	MW-110	42X	91
180-13537-6	MW-102	43X	137
MB 180-45667/1-A		83	86
LCS 180-45667/4-A		84	88
LCSD 180-45667/5-A		81	85

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	47-150
DCB = DCB Decachlorobiphenyl (Surr)	50-140

Client: Science Applications International Corp

Job Number: 180-13537-1

Surrogate Recovery Report

8151A Herbicides (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCPA2 %Rec	DCPA1 %Rec
180-13537-2	MW-101	72	
180-13537-2	MW-101		73
180-13537-3	MW-107	73	
180-13537-3	MW-107		77
180-13537-4	MW-113	71	
180-13537-4	MW-113		71
180-13537-5	MW-110	57	
180-13537-5	MW-110		56
180-13537-6	MW-102	66	
180-13537-6	MW-102		70
MB 180-45828/1-A		72	
MB 180-45828/1-A			73
LCS 180-45828/2-A		77	
LCS 180-45828/2-A			80
LCSD 180-45828/3-A		74	
LCSD 180-45828/3-A			70

Surrogate	Acceptance Limits
DCPA = 2,4-Dichlorophenylacetic acid	32-140

Client: Science Applications International Corp

Job Number: 180-13537-1

TCLP SPLPE Leachate Blank - Batch: 180-45860

Method: 8260B
Preparation: 5030B
TCLP

Lab Sample ID:	LB 180-45830/6-A	Analysis Batch:	180-45860	Instrument ID:	HP7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	7082210.D
Dilution:	1.0	Leach Batch:	180-45830	Initial Weight/Volume:	5 mL
Analysis Date:	08/22/2012 0721	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	08/22/2012 0721				
Leach Date:	08/21/2012 1700				

Analyte	Result	Qual	MDL	RL
1,1-Dichloroethene	ND		0.0011	0.0050
1,2-Dichloroethane	ND		0.00096	0.0050
2-Butanone (MEK)	ND		0.0011	0.0050
Benzene	ND		0.00099	0.0050
Carbon tetrachloride	ND		0.0011	0.0050
Chlorobenzene	ND		0.00053	0.0050
Chloroform	ND		0.0010	0.0050
Tetrachloroethene	ND		0.00082	0.0050
Trichloroethene	ND		0.00080	0.0050
Vinyl chloride	ND		0.0013	0.0050

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	84	80 - 120
1,2-Dichloroethane-d4 (Surr)	116	64 - 124
4-Bromofluorobenzene (Surr)	87	75 - 120
Dibromofluoromethane (Surr)	101	80 - 120

Client: Science Applications International Corp

Job Number: 180-13537-1

Lab Control Sample - Batch: 180-45860

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 180-45860/9	Analysis Batch:	180-45860	Instrument ID:	HP7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	7082215.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/22/2012 1007	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	08/22/2012 1007				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethene	0.400	0.386	97	65 - 130	
1,2-Dichloroethane	0.400	0.496	124	67 - 132	
2-Butanone (MEK)	0.400	0.441	110	10 - 150	
Benzene	0.400	0.400	100	76 - 120	
Carbon tetrachloride	0.400	0.490	123	67 - 136	
Chlorobenzene	0.400	0.420	105	78 - 118	
Chloroform	0.400	0.440	110	72 - 124	
Tetrachloroethene	0.400	0.412	103	70 - 130	
Trichloroethene	0.400	0.447	112	70 - 130	
Vinyl chloride	0.400	0.312	78	51 - 133	

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	94	80 - 120
1,2-Dichloroethane-d4 (Surr)	118	64 - 124
4-Bromofluorobenzene (Surr)	97	75 - 120
Dibromofluoromethane (Surr)	107	80 - 120

Client: Science Applications International Corp

Job Number: 180-13537-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 180-45860

Method: 8260B
Preparation: 5030B
TCLP

MS Lab Sample ID:	180-13635-D-1-C MS	Analysis Batch:	180-45860	Instrument ID:	HP7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	7082212.D
Dilution:	40	Leach Batch:	180-45830	Initial Weight/Volume:	5 mL
Analysis Date:	08/22/2012 0817			Final Weight/Volume:	5 mL
Prep Date:	08/22/2012 0817				5 mL
Leach Date:	08/21/2012 1829				

MSD Lab Sample ID:	180-13635-D-1-D MSD	Analysis Batch:	180-45860	Instrument ID:	HP7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	7082216.D
Dilution:	40	Leach Batch:	180-45830	Initial Weight/Volume:	5 mL
Analysis Date:	08/22/2012 1032			Final Weight/Volume:	5 mL
Prep Date:	08/22/2012 1032				5 mL
Leach Date:	08/21/2012 1829				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1-Dichloroethene	93	106	65 - 130	13	20		
1,2-Dichloroethane	121	136	67 - 132	12	20		F
2-Butanone (MEK)	115	134	10 - 150	15	34		
Benzene	98	100	76 - 120	2	20		
Carbon tetrachloride	119	131	67 - 136	10	20		
Chlorobenzene	103	103	78 - 118	0	20		
Chloroform	106	115	72 - 124	8	20		
Tetrachloroethene	104	95	70 - 130	9	20		
Trichloroethene	147	108	70 - 130	31	20	F	F
Vinyl chloride	75	90	51 - 133	18	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	90	86	80 - 120
1,2-Dichloroethane-d4 (Surr)	111	124	64 - 124
4-Bromofluorobenzene (Surr)	87	95	75 - 120
Dibromofluoromethane (Surr)	92	110	80 - 120

Client: Science Applications International Corp

Job Number: 180-13537-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 180-45860

Method: 8260B
Preparation: 5030B
TCLP

MS Lab Sample ID:	180-13635-D-1-C MS	Units:	mg/L
Client Matrix:	Water		
Dilution:	40		
Analysis Date:	08/22/2012 0817		
Prep Date:	08/22/2012 0817		
Leach Date:	08/21/2012 1829		

MSD Lab Sample ID:	180-13635-D-1-D MSD
Client Matrix:	Water
Dilution:	40
Analysis Date:	08/22/2012 1032
Prep Date:	08/22/2012 1032
Leach Date:	08/21/2012 1829

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
1,1-Dichloroethene	ND	1.60	1.60	1.49		1.70	
1,2-Dichloroethane	ND	1.60	1.60	1.93		2.17	F
2-Butanone (MEK)	ND	1.60	1.60	1.85		2.14	
Benzene	ND	1.60	1.60	1.56		1.59	
Carbon tetrachloride	ND	1.60	1.60	1.90		2.10	
Chlorobenzene	ND	1.60	1.60	1.65		1.65	
Chloroform	ND	1.60	1.60	1.70		1.84	
Tetrachloroethene	ND	1.60	1.60	1.66		1.52	
Trichloroethene	ND	1.60	1.60	2.36	F	1.73	F
Vinyl chloride	ND	1.60	1.60	1.21		1.44	

Client: Science Applications International Corp

Job Number: 180-13537-1

Method Blank - Batch: 180-46427

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 180-46427/4	Analysis Batch:	180-46427	Instrument ID:	HP6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	60827005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/27/2012 1121	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/27/2012 1121				
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	0.271	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

Client: Science Applications International Corp

Job Number: 180-13537-1

Method Blank - Batch: 180-46427

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 180-46427/4	Analysis Batch:	180-46427	Instrument ID:	HP6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	60827005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/27/2012 1121	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/27/2012 1121				
Leach Date:	N/A				

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

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108	64 - 135
Toluene-d8 (Surr)	100	71 - 118
4-Bromofluorobenzene (Surr)	97	70 - 118
Dibromofluoromethane (Surr)	112	70 - 128

Method Blank TICs- Batch: 180-46427

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

Client: Science Applications International Corp

Job Number: 180-13537-1

Lab Control Sample - Batch: 180-46427

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 180-46427/7	Analysis Batch:	180-46427	Instrument ID:	HP6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	60827008.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/27/2012 1244	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/27/2012 1244				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acetone	10.0	9.06	91	22 - 150	
Benzene	10.0	9.88	99	80 - 120	
Bromodichloromethane	10.0	10.4	104	66 - 130	
Bromoform	10.0	12.1	121	46 - 150	
Bromomethane	10.0	6.37	64	33 - 150	
2-Butanone (MEK)	10.0	9.39	94	39 - 138	
Carbon disulfide	10.0	8.63	86	54 - 132	
Carbon tetrachloride	10.0	10.8	108	55 - 150	
Chlorobenzene	10.0	9.94	99	80 - 120	
Chloroethane	10.0	6.95	70	36 - 142	
Chloroform	10.0	9.48	95	72 - 127	
Dibromochloromethane	10.0	11.3	113	60 - 140	
1,2-Dibromo-3-Chloropropane	10.0	10.6	106	37 - 133	
1,2-Dibromoethane (EDB)	10.0	10.4	104	74 - 123	
1,1-Dichloroethane	10.0	9.63	96	73 - 126	
1,2-Dichloroethane	10.0	9.30	93	68 - 132	
1,1-Dichloroethene	10.0	8.95	90	65 - 136	
trans-1,2-Dichloroethene	10.0	9.23	92	73 - 126	
1,2-Dichloropropane	10.0	10.3	103	76 - 124	
cis-1,3-Dichloropropene	10.0	10.0	100	66 - 120	
trans-1,3-Dichloropropene	10.0	10.3	103	65 - 125	
Ethylbenzene	10.0	10.5	105	72 - 126	
2-Hexanone	10.0	8.82	88	25 - 132	
Methylene Chloride	10.0	8.05	80	63 - 129	
4-Methyl-2-pentanone (MIBK)	10.0	9.08	91	45 - 145	
Styrene	10.0	10.3	103	71 - 127	
1,1,2,2-Tetrachloroethane	10.0	11.0	110	62 - 125	
Tetrachloroethene	10.0	10.9	109	70 - 135	
Toluene	10.0	10.0	100	80 - 123	
1,1,1-Trichloroethane	10.0	9.86	99	63 - 133	
1,1,2-Trichloroethane	10.0	9.88	99	77 - 127	
Trichloroethene	10.0	9.21	92	73 - 120	
Trichlorofluoromethane	10.0	9.79	98	44 - 150	
Vinyl chloride	10.0	7.84	78	53 - 138	
Xylenes, Total	30.0	31.5	105	76 - 128	
Cyclohexane	10.0	9.50	95	45 - 142	
cis-1,2-Dichloroethene	10.0	8.37	84	70 - 120	
Dichlorodifluoromethane	10.0	6.80	68	13 - 150	
Isopropylbenzene	10.0	9.89	99	58 - 130	
Methyl acetate	10.0	9.07	91	47 - 142	
Methylcyclohexane	10.0	9.51	95	45 - 145	
Methyl tert-butyl ether	10.0	8.14	81	64 - 123	
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	9.51	95	46 - 148	
1,2-Dichlorobenzene	10.0	9.75	98	77 - 120	
1,3-Dichlorobenzene	10.0	10.1	101	76 - 120	
1,4-Dichlorobenzene	10.0	9.89	99	77 - 120	

Client: Science Applications International Corp

Job Number: 180-13537-1

Lab Control Sample - Batch: 180-46427

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 180-46427/7	Analysis Batch:	180-46427	Instrument ID:	HP6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	60827008.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/27/2012 1244	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/27/2012 1244				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,2,4-Trichlorobenzene	10.0	8.44	84	60 - 127	
Chloromethane	10.0	8.05	80	50 - 139	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93	64 - 135
Toluene-d8 (Surr)	99	71 - 118
4-Bromofluorobenzene (Surr)	88	70 - 118
Dibromofluoromethane (Surr)	96	70 - 128

Client: Science Applications International Corp

Job Number: 180-13537-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 180-46427

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	180-13569-A-2 MS	Analysis Batch:	180-46427	Instrument ID:	HP6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	60827009.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/27/2012 1308			Final Weight/Volume:	5 mL
Prep Date:	08/27/2012 1308				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	180-13569-A-2 MSD	Analysis Batch:	180-46427	Instrument ID:	HP6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	60827010.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/27/2012 1332			Final Weight/Volume:	5 mL
Prep Date:	08/27/2012 1332				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Acetone	100	98	22 - 150	3	35		
Benzene	100	105	80 - 120	5	32		
Bromodichloromethane	105	108	66 - 130	3	35		
Bromoform	120	127	46 - 150	5	35		
Bromomethane	50	52	33 - 150	4	35		
2-Butanone (MEK)	105	116	39 - 138	10	35		
Carbon disulfide	92	91	54 - 132	0	35		
Carbon tetrachloride	106	108	55 - 150	2	35		
Chlorobenzene	101	109	80 - 120	7	29		
Chloroethane	73	76	36 - 142	3	35		
Chloroform	99	102	72 - 127	3	35		
Dibromochloromethane	121	121	60 - 140	0	35		
1,2-Dibromo-3-Chloropropane	98	101	37 - 133	3	35		
1,2-Dibromoethane (EDB)	106	115	74 - 123	8	35		
1,1-Dichloroethane	88	90	73 - 126	1	35		
1,2-Dichloroethane	98	103	68 - 132	5	32		
1,1-Dichloroethene	93	92	65 - 136	1	35		
trans-1,2-Dichloroethene	91	93	73 - 126	2	35		
1,2-Dichloropropane	106	113	76 - 124	6	34		
cis-1,3-Dichloropropene	107	114	66 - 120	7	35		
trans-1,3-Dichloropropene	112	115	65 - 125	3	35		
Ethylbenzene	110	114	72 - 126	4	33		
2-Hexanone	93	101	25 - 132	8	35		
Methylene Chloride	83	84	63 - 129	1	35		
4-Methyl-2-pentanone (MIBK)	96	99	45 - 145	3	35		
Styrene	104	109	71 - 127	4	34		
1,1,2,2-Tetrachloroethane	111	115	62 - 125	4	35		
Tetrachloroethene	116	115	70 - 135	0	35		
Toluene	102	106	80 - 123	4	35		
1,1,1-Trichloroethane	100	105	63 - 133	4	35		
1,1,2-Trichloroethane	103	105	77 - 127	2	35		
Trichloroethene	98	102	73 - 120	3	35		
Trichlorofluoromethane	107	95	44 - 150	12	35		

Client: Science Applications International Corp

Job Number: 180-13537-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 180-46427

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	180-13569-A-2 MS	Analysis Batch:	180-46427	Instrument ID:	HP6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	60827009.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/27/2012 1308			Final Weight/Volume:	5 mL
Prep Date:	08/27/2012 1308				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	180-13569-A-2 MSD	Analysis Batch:	180-46427	Instrument ID:	HP6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	60827010.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/27/2012 1332			Final Weight/Volume:	5 mL
Prep Date:	08/27/2012 1332				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Vinyl chloride	74	76	53 - 138	2	35		
Xylenes, Total	107	111	76 - 128	4	32		
Cyclohexane	100	105	45 - 142	4	35		
cis-1,2-Dichloroethene	84	83	70 - 120	0	35		
Dichlorodifluoromethane	55	54	13 - 150	1	35		
Isopropylbenzene	102	106	58 - 130	4	35		
Methyl acetate	88	95	47 - 142	7	35		
Methylcyclohexane	98	104	45 - 145	6	35		
Methyl tert-butyl ether	87	90	64 - 123	3	35		
1,1,2-Trichloro-1,2,2-trifluoroethane	97	98	46 - 148	1	35		
1,2-Dichlorobenzene	97	104	77 - 120	6	24		
1,3-Dichlorobenzene	98	103	76 - 120	5	24		
1,4-Dichlorobenzene	99	101	77 - 120	3	24		
1,2,4-Trichlorobenzene	82	87	60 - 127	6	35		
Chloromethane	81	84	50 - 139	4	35		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95	96	64 - 135
Toluene-d8 (Surr)	102	101	71 - 118
4-Bromofluorobenzene (Surr)	90	91	70 - 118
Dibromofluoromethane (Surr)	98	96	70 - 128

Client: Science Applications International Corp

Job Number: 180-13537-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 180-46427

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	180-13569-A-2 MS	Units:	ug/L	MSD Lab Sample ID:	180-13569-A-2 MSD
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	08/27/2012 1308			Analysis Date:	08/27/2012 1332
Prep Date:	08/27/2012 1308			Prep Date:	08/27/2012 1332
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Acetone	ND		10.0	10.0	10.0	9.77
Benzene	ND		10.0	10.0	9.97	10.5
Bromodichloromethane	ND		10.0	10.0	10.5	10.8
Bromoform	ND		10.0	10.0	12.0	12.7
Bromomethane	ND		10.0	10.0	5.01	5.24
2-Butanone (MEK)	ND		10.0	10.0	10.5	11.6
Carbon disulfide	ND		10.0	10.0	9.18	9.15
Carbon tetrachloride	ND		10.0	10.0	10.6	10.8
Chlorobenzene	ND		10.0	10.0	10.1	10.9
Chloroethane	ND		10.0	10.0	7.34	7.58
Chloroform	ND		10.0	10.0	9.91	10.2
Dibromochloromethane	ND		10.0	10.0	12.1	12.1
1,2-Dibromo-3-Chloropropane	ND		10.0	10.0	9.84	10.1
1,2-Dibromoethane (EDB)	ND		10.0	10.0	10.6	11.5
1,1-Dichloroethane	5.6		10.0	10.0	14.4	14.7
1,2-Dichloroethane	ND		10.0	10.0	9.81	10.3
1,1-Dichloroethene	ND		10.0	10.0	9.34	9.23
trans-1,2-Dichloroethene	ND		10.0	10.0	9.13	9.34
1,2-Dichloropropane	ND		10.0	10.0	10.6	11.3
cis-1,3-Dichloropropene	ND		10.0	10.0	10.7	11.4
trans-1,3-Dichloropropene	ND		10.0	10.0	11.2	11.5
Ethylbenzene	ND		10.0	10.0	11.0	11.4
2-Hexanone	ND		10.0	10.0	9.28	10.1
Methylene Chloride	0.26	J	10.0	10.0	8.56	8.67
4-Methyl-2-pentanone (MIBK)	ND		10.0	10.0	9.64	9.93
Styrene	ND		10.0	10.0	10.4	10.9
1,1,2,2-Tetrachloroethane	ND		10.0	10.0	11.1	11.5
Tetrachloroethene	0.54	J	10.0	10.0	12.1	12.1
Toluene	ND		10.0	10.0	10.2	10.6
1,1,1-Trichloroethane	0.52	J	10.0	10.0	10.5	11.0
1,1,2-Trichloroethane	ND		10.0	10.0	10.3	10.5
Trichloroethene	0.57	J	10.0	10.0	10.4	10.7
Trichlorofluoromethane	ND		10.0	10.0	10.7	9.48
Vinyl chloride	0.66	J	10.0	10.0	8.09	8.24
Xylenes, Total	ND		30.0	30.0	32.1	33.4
Cyclohexane	ND		10.0	10.0	10.0	10.5
cis-1,2-Dichloroethene	4.2		10.0	10.0	12.6	12.5
Dichlorodifluoromethane	7.1		10.0	10.0	12.6	12.5
Isopropylbenzene	ND		10.0	10.0	10.2	10.6
Methyl acetate	ND		10.0	10.0	8.83	9.47
Methylcyclohexane	ND		10.0	10.0	9.79	10.4
Methyl tert-butyl ether	0.50	J	10.0	10.0	9.21	9.54
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10.0	10.0	9.67	9.77

Client: Science Applications International Corp

Job Number: 180-13537-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 180-46427

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	180-13569-A-2 MS	Units: ug/L	
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	08/27/2012 1308		
Prep Date:	08/27/2012 1308		
Leach Date:	N/A		

MSD Lab Sample ID:	180-13569-A-2 MSD
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	08/27/2012 1332
Prep Date:	08/27/2012 1332
Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,2-Dichlorobenzene	ND	10.0	10.0	9.73	10.4
1,3-Dichlorobenzene	ND	10.0	10.0	9.77	10.3
1,4-Dichlorobenzene	ND	10.0	10.0	9.86	10.1
1,2,4-Trichlorobenzene	ND	10.0	10.0	8.19	8.67
Chloromethane	ND	10.0	10.0	8.09	8.41

Client: Science Applications International Corp

Job Number: 180-13537-1

Method Blank - Batch: 180-45791

Method: 8270C
Preparation: 3520C

Lab Sample ID:	MB 180-45791/1-A	Analysis Batch:	180-46317	Instrument ID:	731
Client Matrix:	Water	Prep Batch:	180-45791	Lab File ID:	V0824026.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	08/24/2012 1834	Units:	ug/L	Final Weight/Volume:	10.0 mL
Prep Date:	08/21/2012 1430			Injection Volume:	2 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,4-Dichlorobenzene	ND		3.7	50
2,4,5-Trichlorophenol	ND		7.6	50
2,4,6-Trichlorophenol	ND		8.7	50
2,4-Dinitrotoluene	ND		2.7	50
2-Methylphenol	ND		4.3	50
Hexachlorobenzene	ND		0.92	10
Hexachlorobutadiene	ND		0.83	10
Hexachloroethane	ND		3.1	50
Nitrobenzene	ND		4.2	100
Pentachlorophenol	ND		3.3	50
Pyridine	ND		3.6	50
Methylphenol, 3 & 4	ND		4.5	50

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	73	35 - 108
2-Fluorophenol	82	26 - 100
Nitrobenzene-d5	76	37 - 104
Phenol-d5	82	30 - 102
Terphenyl-d14	75	25 - 130
2,4,6-Tribromophenol	68	33 - 122

Client: Science Applications International Corp

Job Number: 180-13537-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 180-45791

Method: 8270C
Preparation: 3520C

LCS Lab Sample ID:	LCS 180-45791/2-A	Analysis Batch:	180-46317	Instrument ID:	731
Client Matrix:	Water	Prep Batch:	180-45791	Lab File ID:	V0824027.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	08/24/2012 1858	Units:	ug/L	Final Weight/Volume:	10.0 mL
Prep Date:	08/21/2012 1430			Injection Volume:	2 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 180-45791/3-A	Analysis Batch:	180-46317	Instrument ID:	731
Client Matrix:	Water	Prep Batch:	180-45791	Lab File ID:	V0824028.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	08/24/2012 1923	Units:	ug/L	Final Weight/Volume:	10.0 mL
Prep Date:	08/21/2012 1430			Injection Volume:	2 uL
Leach Date:	N/A				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,4-Dichlorobenzene	75	70	32 - 94	7	33		
2,4,5-Trichlorophenol	74	71	31 - 111	4	32		
2,4,6-Trichlorophenol	74	69	34 - 110	8	35		
2,4-Dinitrotoluene	73	67	41 - 117	8	32		
2-Methylphenol	81	75	34 - 101	8	34		
Hexachlorobenzene	69	69	35 - 106	0	36		
Hexachlorobutadiene	75	70	30 - 103	7	41		
Hexachloroethane	75	70	27 - 94	6	43		
Nitrobenzene	77	72	37 - 103	6	34		
Pentachlorophenol	64	54	10 - 118	16	49		
Pyridine	85	79	30 - 101	7	40		
Methylphenol, 3 & 4	90	83	34 - 104	9	34		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2-Fluorobiphenyl	77	72	35 - 108
2-Fluorophenol	87	81	26 - 100
Nitrobenzene-d5	77	71	37 - 104
Phenol-d5	86	81	30 - 102
Terphenyl-d14	75	71	25 - 130
2,4,6-Tribromophenol	72	68	33 - 122

Client: Science Applications International Corp

Job Number: 180-13537-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 180-45791

Method: 8270C
Preparation: 3520C

LCS Lab Sample ID:	LCS 180-45791/2-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 180-45791/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	08/24/2012 1858			Analysis Date:	08/24/2012 1923
Prep Date:	08/21/2012 1430			Prep Date:	08/21/2012 1430
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,4-Dichlorobenzene	250	250	187	174
2,4,5-Trichlorophenol	250	250	184	176
2,4,6-Trichlorophenol	250	250	185	171
2,4-Dinitrotoluene	250	250	181	167
2-Methylphenol	250	250	203	186
Hexachlorobenzene	250	250	173	172
Hexachlorobutadiene	250	250	187	175
Hexachloroethane	250	250	187	176
Nitrobenzene	250	250	192	180
Pentachlorophenol	250	250	159	135
Pyridine	250	250	213	198
Methylphenol, 3 & 4	500	500	452	415

Client: Science Applications International Corp

Job Number: 180-13537-1

Method Blank - Batch: 180-45557

Method: 8270C LL
Preparation: 3520C

Lab Sample ID:	MB 180-45557/1-A	Analysis Batch:	180-45848	Instrument ID:	731
Client Matrix:	Water	Prep Batch:	180-45557	Lab File ID:	V0821015.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	08/21/2012 1615	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	08/20/2012 1022			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: 180-13537-1

Method Blank - Batch: 180-45557

Method: 8270C LL
Preparation: 3520C

Lab Sample ID:	MB 180-45557/1-A	Analysis Batch:	180-45848	Instrument ID:	731
Client Matrix:	Water	Prep Batch:	180-45557	Lab File ID:	V0821015.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	08/21/2012 1615	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	08/20/2012 1022			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	54	16 - 122
2-Fluorobiphenyl	60	19 - 107
2-Fluorophenol	68	10 - 111
Nitrobenzene-d5	60	23 - 112
Phenol-d5	69	15 - 112
Terphenyl-d14	61	10 - 132

Client: Science Applications International Corp

Job Number: 180-13537-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 180-45557

Method: 8270C LL
Preparation: 3520C

LCS Lab Sample ID:	LCS 180-45557/2-A	Analysis Batch:	180-45848	Instrument ID:	731
Client Matrix:	Water	Prep Batch:	180-45557	Lab File ID:	V0821016.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	08/21/2012 1816	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	08/20/2012 1022			Injection Volume:	2 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 180-45557/3-A	Analysis Batch:	180-45848	Instrument ID:	731
Client Matrix:	Water	Prep Batch:	180-45557	Lab File ID:	V0821017.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	08/21/2012 1841	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	08/20/2012 1022			Injection Volume:	2 uL
Leach Date:	N/A				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acenaphthene	63	62	35 - 99	1	41		
Acenaphthylene	64	62	37 - 107	2	40		
Acetophenone	66	64	30 - 150	3	35		
Anthracene	66	64	35 - 105	3	37		
Atrazine	113	108	30 - 150	5	35		
Benzaldehyde	83	78	30 - 150	6	35		
Benzo[a]anthracene	65	65	38 - 101	0	36		
Benzo[b]fluoranthene	61	57	29 - 98	7	46		
Benzo[k]fluoranthene	65	68	28 - 107	4	31		
Benzo[g,h,i]perylene	69	68	20 - 115	1	44		
Benzo[a]pyrene	73	73	26 - 108	0	40		
Bis(2-chloroethoxy)methane	63	62	33 - 98	1	46		
Bis(2-chloroethyl)ether	63	61	33 - 95	3	38		
Bis(2-ethylhexyl) phthalate	65	66	20 - 116	1	40		
Butyl benzyl phthalate	68	68	36 - 108	0	40		
1,1'-Biphenyl	40	39	30 - 150	1	35		
Caprolactam	33	34	30 - 150	3	35		
Carbazole	71	71	29 - 112	0	35		
Chrysene	66	69	37 - 99	5	42		
2-Chloronaphthalene	67	67	34 - 96	1	39		
2-Chlorophenol	63	61	31 - 99	3	39		
2,4-Dichlorophenol	66	64	34 - 104	2	41		
2,4-Dimethylphenol	61	59	33 - 97	2	40		
2,4-Dinitrophenol	52	48	10 - 130	9	53		
2,4-Dinitrotoluene	73	74	37 - 115	1	39		
2,6-Dinitrotoluene	73	72	39 - 113	2	40		
2-Methylnaphthalene	64	62	34 - 98	4	42		
2-Methylphenol	61	59	33 - 98	4	38		
2-Nitroaniline	64	63	29 - 112	1	65		
2-Nitrophenol	66	65	34 - 107	1	41		
2,2'-oxybis[1-chloropropane]	46	50	30 - 99	8	42		
2,4,5-Trichlorophenol	68	68	34 - 104	1	39		
2,4,6-Trichlorophenol	67	66	36 - 103	1	39		
4-Nitroaniline	71	71	20 - 124	1	45		
4-Nitrophenol	48	48	29 - 115	1	42		
4-Chlorophenyl phenyl ether	70	70	34 - 103	0	38		

Client: Science Applications International Corp

Job Number: 180-13537-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 180-45557

Method: 8270C LL
Preparation: 3520C

LCS Lab Sample ID:	LCS 180-45557/2-A	Analysis Batch:	180-45848	Instrument ID:	731
Client Matrix:	Water	Prep Batch:	180-45557	Lab File ID:	V0821016.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	08/21/2012 1816	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	08/20/2012 1022			Injection Volume:	2 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 180-45557/3-A	Analysis Batch:	180-45848	Instrument ID:	731
Client Matrix:	Water	Prep Batch:	180-45557	Lab File ID:	V0821017.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	08/21/2012 1841	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	08/20/2012 1022			Injection Volume:	2 uL
Leach Date:	N/A				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Methylphenol, 3 & 4	61	59	32 - 100	2	41		
4,6-Dinitro-2-methylphenol	65	64	24 - 124	2	41		
4-Chloroaniline	55	52	10 - 99	5	39		
4-Chloro-3-methylphenol	62	60	35 - 104	3	42		
4-Bromophenyl phenyl ether	67	65	37 - 104	3	40		
Dibenz(a,h)anthracene	68	68	19 - 118	0	44		
Dibenzofuran	68	67	34 - 101	2	39		
Di-n-butyl phthalate	72	71	37 - 111	1	38		
Diethyl phthalate	72	70	36 - 109	3	39		
Dimethyl phthalate	69	70	37 - 106	1	42		
Di-n-octyl phthalate	68	69	11 - 127	1	44		
3,3'-Dichlorobenzidine	66	66	10 - 89	0	56		
3-Nitroaniline	66	67	11 - 104	1	48		
Fluoranthene	69	68	32 - 112	2	39		
Fluorene	66	65	34 - 104	0	40		
Hexachlorobenzene	67	67	35 - 102	1	35		
Hexachlorobutadiene	50	49	35 - 100	1	41		
Hexachlorocyclopentadiene	15	15	36 - 115	1	47	*	*
Hexachloroethane	44	44	32 - 94	1	39		
Indeno[1,2,3-cd]pyrene	68	67	22 - 115	0	54		
Isophorone	63	65	38 - 102	3	43		
Naphthalene	59	58	35 - 97	3	43		
Nitrobenzene	62	60	37 - 100	2	42		
N-Nitrosodiphenylamine	69	68	32 - 102	1	36		
N-Nitrosodi-n-propylamine	62	59	34 - 101	5	43		
Pyrene	61	61	35 - 106	1	42		
Phenol	45	44	32 - 95	2	39		
Phenanthrene	61	61	32 - 104	1	36		
Pentachlorophenol	39	39	15 - 111	1	42		
1,4-Dioxane	44	43	23 - 88	3	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4,6-Tribromophenol	69	68	16 - 122
2-Fluorobiphenyl	29	29	19 - 107
2-Fluorophenol	56	55	10 - 111
Nitrobenzene-d5	56	55	23 - 112

Client: Science Applications International Corp

Job Number: 180-13537-1

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Phenol-d5	51	50	15 - 112
Terphenyl-d14	65	68	10 - 132

Client: Science Applications International Corp

Job Number: 180-13537-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 180-45557

Method: 8270C LL
Preparation: 3520C

LCS Lab Sample ID:	LCS 180-45557/2-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 180-45557/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	08/21/2012 1816			Analysis Date:	08/21/2012 1841
Prep Date:	08/20/2012 1022			Prep Date:	08/20/2012 1022
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	12.7	12.5
Acenaphthylene	20.0	20.0	12.7	12.5
Acetophenone	20.0	20.0	13.2	12.8
Anthracene	20.0	20.0	13.2	12.7
Atrazine	20.0	20.0	22.6	21.5
Benzaldehyde	20.0	20.0	16.5	15.5
Benzo[a]anthracene	20.0	20.0	13.0	13.0
Benzo[b]fluoranthene	20.0	20.0	12.2	11.4
Benzo[k]fluoranthene	20.0	20.0	13.1	13.7
Benzo[g,h,i]perylene	20.0	20.0	13.7	13.5
Benzo[a]pyrene	20.0	20.0	14.6	14.5
Bis(2-chloroethoxy)methane	20.0	20.0	12.6	12.4
Bis(2-chloroethyl)ether	20.0	20.0	12.5	12.1
Bis(2-ethylhexyl) phthalate	20.0	20.0	13.1	13.3
Butyl benzyl phthalate	20.0	20.0	13.7	13.6
1,1'-Biphenyl	20.0	20.0	7.91	7.87
Caprolactam	20.0	20.0	6.65	6.87
Carbazole	20.0	20.0	14.1	14.2
Chrysene	20.0	20.0	13.1	13.8
2-Chloronaphthalene	20.0	20.0	13.5	13.3
2-Chlorophenol	20.0	20.0	12.5	12.2
2,4-Dichlorophenol	20.0	20.0	13.1	12.8
2,4-Dimethylphenol	20.0	20.0	12.1	11.9
2,4-Dinitrophenol	20.0	20.0	10.4	9.51
2,4-Dinitrotoluene	20.0	20.0	14.5	14.7
2,6-Dinitrotoluene	20.0	20.0	14.6	14.3
2-Methylnaphthalene	20.0	20.0	12.7	12.3
2-Methylphenol	20.0	20.0	12.2	11.7
2-Nitroaniline	20.0	20.0	12.7	12.6
2-Nitrophenol	20.0	20.0	13.2	13.0
2,2'-oxybis[1-chloropropane]	20.0	20.0	9.29	10.0
2,4,5-Trichlorophenol	20.0	20.0	13.7	13.6
2,4,6-Trichlorophenol	20.0	20.0	13.4	13.2
4-Nitroaniline	20.0	20.0	14.2	14.2
4-Nitrophenol	20.0	20.0	9.51	9.59
4-Chlorophenyl phenyl ether	20.0	20.0	13.9	13.9
Methylphenol, 3 & 4	20.0	20.0	12.2	11.9
4,6-Dinitro-2-methylphenol	20.0	20.0	13.1	12.8
4-Chloroaniline	20.0	20.0	10.9	10.4

Client: Science Applications International Corp

Job Number: 180-13537-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 180-45557

Method: 8270C LL
Preparation: 3520C

LCS Lab Sample ID:	LCS 180-45557/2-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 180-45557/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	08/21/2012 1816			Analysis Date:	08/21/2012 1841
Prep Date:	08/20/2012 1022			Prep Date:	08/20/2012 1022
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	12.3		11.9	
4-Bromophenyl phenyl ether	20.0	20.0	13.4		13.0	
Dibenz(a,h)anthracene	20.0	20.0	13.6		13.6	
Dibenzofuran	20.0	20.0	13.6		13.4	
Di-n-butyl phthalate	20.0	20.0	14.4		14.3	
Diethyl phthalate	20.0	20.0	14.4		14.0	
Dimethyl phthalate	20.0	20.0	13.8		14.0	
Di-n-octyl phthalate	20.0	20.0	13.5		13.7	
3,3'-Dichlorobenzidine	20.0	20.0	13.2		13.1	
3-Nitroaniline	20.0	20.0	13.2		13.4	
Fluoranthene	20.0	20.0	13.9		13.6	
Fluorene	20.0	20.0	13.2		13.1	
Hexachlorobenzene	20.0	20.0	13.4		13.3	
Hexachlorobutadiene	20.0	20.0	9.92		9.82	
Hexachlorocyclopentadiene	20.0	20.0	3.03	*	2.99	*
Hexachloroethane	20.0	20.0	8.85		8.73	
Indeno[1,2,3-cd]pyrene	20.0	20.0	13.5		13.5	
Isophorone	20.0	20.0	12.6		13.0	
Naphthalene	20.0	20.0	11.9		11.6	
Nitrobenzene	20.0	20.0	12.3		12.1	
N-Nitrosodiphenylamine	20.0	20.0	13.7		13.6	
N-Nitrosodi-n-propylamine	20.0	20.0	12.3		11.7	
Pyrene	20.0	20.0	12.2		12.1	
Phenol	20.0	20.0	9.03		8.86	
Phenanthrene	20.0	20.0	12.3		12.1	
Pentachlorophenol	20.0	20.0	7.81		7.74	
1,4-Dioxane	20.0	20.0	8.83		8.60	

Client: Science Applications International Corp

Job Number: 180-13537-1

Method Blank - Batch: 180-45667

Method: 8081A
Preparation: 3510C

Lab Sample ID:	MB 180-45667/1-A	Analysis Batch:	180-47297	Instrument ID:	GC15
Client Matrix:	Water	Prep Batch:	180-45667	Lab File ID:	Q09120000240.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/05/2012 2102	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	08/20/2012 1355			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aldrin	ND		0.00083	0.0013
alpha-BHC	ND		0.00066	0.0013
beta-BHC	ND		0.0010	0.0013
delta-BHC	ND		0.00038	0.0013
gamma-BHC (Lindane)	ND		0.00080	0.0013
alpha-Chlordane	ND		0.00098	0.0013
gamma-Chlordane	ND		0.00096	0.0013
4,4'-DDD	ND		0.00067	0.0013
4,4'-DDE	ND		0.00079	0.0013
4,4'-DDT	ND		0.00074	0.0013
Dieldrin	ND		0.00082	0.0013
Endosulfan I	ND		0.00094	0.0013
Endosulfan II	ND		0.00098	0.0013
Endosulfan sulfate	ND		0.00057	0.0013
Endrin	ND		0.00096	0.0013
Endrin aldehyde	ND		0.00090	0.0013
Endrin ketone	ND		0.00092	0.0013
Heptachlor	ND		0.00099	0.0013
Heptachlor epoxide	ND		0.00097	0.0013
Methoxychlor	ND		0.00091	0.0025
Toxaphene	ND		0.019	0.10

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	72	60 - 111
DCB Decachlorobiphenyl (Surr)	74	56 - 122

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	66	60 - 111
DCB Decachlorobiphenyl (Surr)	69	56 - 122

Client: Science Applications International Corp

Job Number: 180-13537-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 180-45667

Method: 8081A
Preparation: 3510C

LCS Lab Sample ID:	LCS 180-45667/2-A	Analysis Batch:	180-47297	Instrument ID:	GC15
Client Matrix:	Water	Prep Batch:	180-45667	Lab File ID:	Q09120000241.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/05/2012 2118	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	08/20/2012 1355			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 180-45667/3-A	Analysis Batch:	180-47297	Instrument ID:	GC15
Client Matrix:	Water	Prep Batch:	180-45667	Lab File ID:	Q09120000242.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/05/2012 2134	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	08/20/2012 1355			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Aldrin	82	81	62 - 113	1	22		
alpha-BHC	78	75	58 - 114	4	20		
beta-BHC	68	69	52 - 120	2	24		
delta-BHC	65	67	10 - 137	2	26		
gamma-BHC (Lindane)	73	74	57 - 110	1	21		
alpha-Chlordane	78	77	59 - 114	1	21		
gamma-Chlordane	78	77	60 - 114	2	21		
4,4'-DDD	69	70	48 - 120	0	24		
4,4'-DDE	74	74	47 - 120	0	20		
4,4'-DDT	51	68	39 - 131	26	24		*
Dieldrin	79	79	51 - 121	0	20		
Endosulfan I	77	77	60 - 114	1	22		
Endosulfan II	66	68	58 - 112	1	21		
Endosulfan sulfate	71	71	42 - 122	0	21		
Endrin	78	78	31 - 138	1	24		
Endrin aldehyde	82	78	52 - 110	5	25		
Endrin ketone	75	77	57 - 114	3	20		
Heptachlor	74	77	63 - 120	4	25		
Heptachlor epoxide	81	78	60 - 120	4	20		
Methoxychlor	54	69	35 - 137	17	27		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	72	71	60 - 111
DCB Decachlorobiphenyl (Surr)	77	77	56 - 122

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	65	66	60 - 111
DCB Decachlorobiphenyl (Surr)	69	70	56 - 122

Client: Science Applications International Corp

Job Number: 180-13537-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 180-45667

Method: 8081A
Preparation: 3510C

LCS Lab Sample ID:	LCS 180-45667/2-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 180-45667/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/05/2012 2118			Analysis Date:	09/05/2012 2134
Prep Date:	08/20/2012 1355			Prep Date:	08/20/2012 1355
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual	
Aldrin	0.0250	0.0250	0.0206	0.0204	
alpha-BHC	0.0250	0.0250	0.0195	0.0187	
beta-BHC	0.0250	0.0250	0.0171	0.0173	
delta-BHC	0.0250	0.0250	0.0164	0.0166	
gamma-BHC (Lindane)	0.0250	0.0250	0.0183	0.0186	
alpha-Chlordane	0.0250	0.0250	0.0194	0.0193	
gamma-Chlordane	0.0250	0.0250	0.0195	0.0192	
4,4'-DDD	0.0250	0.0250	0.0174	0.0174	
4,4'-DDE	0.0250	0.0250	0.0185	0.0185	
4,4'-DDT	0.0250	0.0250	0.0127	0.0170	*
Dieldrin	0.0250	0.0250	0.0197	0.0197	
Endosulfan I	0.0250	0.0250	0.0193	0.0192	
Endosulfan II	0.0250	0.0250	0.0165	0.0169	
Endosulfan sulfate	0.0250	0.0250	0.0178	0.0178	
Endrin	0.0250	0.0250	0.0195	0.0195	
Endrin aldehyde	0.0250	0.0250	0.0204	0.0195	
Endrin ketone	0.0250	0.0250	0.0188	0.0193	
Heptachlor	0.0250	0.0250	0.0184	0.0193	
Heptachlor epoxide	0.0250	0.0250	0.0202	0.0195	
Methoxychlor	0.0250	0.0250	0.0136	0.0172	

Client: Science Applications International Corp

Job Number: 180-13537-1

Method Blank - Batch: 180-45667

Method: 8082
Preparation: 3510C

Lab Sample ID:	MB 180-45667/1-A	Analysis Batch:	180-47722	Instrument ID:	GC8
Client Matrix:	Water	Prep Batch:	180-45667	Lab File ID:	O0821101.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	08/30/2012 0648	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	08/20/2012 1355			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	ND		0.0025	0.010
PCB-1221	ND		0.0025	0.010
PCB-1232	ND		0.0029	0.010
PCB-1242	ND		0.0019	0.010
PCB-1248	ND		0.0023	0.010
PCB-1254	ND		0.0023	0.010
PCB-1260	ND		0.0014	0.010

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	86	50 - 140
Tetrachloro-m-xylene	83	47 - 150

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 180-45667

Method: 8082
Preparation: 3510C

LCS Lab Sample ID:	LCS 180-45667/4-A	Analysis Batch:	180-47722	Instrument ID:	GC8
Client Matrix:	Water	Prep Batch:	180-45667	Lab File ID:	O0821102.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	08/30/2012 0712	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	08/20/2012 1355			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 180-45667/5-A	Analysis Batch:	180-47722	Instrument ID:	GC8
Client Matrix:	Water	Prep Batch:	180-45667	Lab File ID:	O0821103.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	08/30/2012 0737	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	08/20/2012 1355			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
PCB-1016	79	76	60 - 110	4	27		
PCB-1260	95	91	60 - 111	4	24		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl (Surr)	88	85	50 - 140
Tetrachloro-m-xylene	84	81	47 - 150

Client: Science Applications International Corp

Job Number: 180-13537-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 180-45667

Method: 8082
Preparation: 3510C

LCS Lab Sample ID:	LCS 180-45667/4-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 180-45667/5-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	08/30/2012 0712			Analysis Date:	08/30/2012 0737
Prep Date:	08/20/2012 1355			Prep Date:	08/20/2012 1355
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
PCB-1016	1.00	1.00	0.793	0.763
PCB-1260	1.00	1.00	0.949	0.907

Client: Science Applications International Corp

Job Number: 180-13537-1

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	72	32 - 140

Method Blank - Batch: 180-45828

Method: 8151A
Preparation: 8151A

Lab Sample ID:	MB 180-45828/1-A	Analysis Batch:	180-47167	Instrument ID:	GC1
Client Matrix:	Water	Prep Batch:	180-45828	Lab File ID:	A0820860.D
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	08/31/2012 2155	Units:	ug/L	Final Weight/Volume:	10.0 mL
Prep Date:	08/21/2012 1600			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
2,4-D	ND		0.45	4.0
2,4,5-T	ND		0.097	1.0
Silvex (2,4,5-TP)	ND		0.11	1.0

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	73	32 - 140

Client: Science Applications International Corp

Job Number: 180-13537-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 180-45828

Method: 8151A
Preparation: 8151A

LCS Lab Sample ID:	LCS 180-45828/2-A	Analysis Batch:	180-47174	Instrument ID:	GC1
Client Matrix:	Water	Prep Batch:	180-45828	Lab File ID:	B0820862.D
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	08/31/2012 2219	Units:	ug/L	Final Weight/Volume:	10.0 mL
Prep Date:	08/21/2012 1600			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 180-45828/3-A	Analysis Batch:	180-47174	Instrument ID:	GC1
Client Matrix:	Water	Prep Batch:	180-45828	Lab File ID:	B0820863.D
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	08/31/2012 2244	Units:	ug/L	Final Weight/Volume:	10.0 mL
Prep Date:	08/21/2012 1600			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
2,4-D	65	81	32 - 140	22	30		

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 180-45828

Method: 8151A
Preparation: 8151A

LCS Lab Sample ID:	LCS 180-45828/2-A	Analysis Batch:	180-47167	Instrument ID:	GC1
Client Matrix:	Water	Prep Batch:	180-45828	Lab File ID:	A0820862.D
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	08/31/2012 2244	Units:	ug/L	Final Weight/Volume:	10.0 mL
Prep Date:	08/21/2012 1600			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 180-45828/3-A	Analysis Batch:	180-47167	Instrument ID:	GC1
Client Matrix:	Water	Prep Batch:	180-45828	Lab File ID:	A0820863.D
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	08/31/2012 2309	Units:	ug/L	Final Weight/Volume:	10.0 mL
Prep Date:	08/21/2012 1600			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
2,4,5-T	71	47	32 - 140	40	30		*
Silvex (2,4,5-TP)	76	49	32 - 140	44	30		*

Client: Science Applications International Corp

Job Number: 180-13537-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 180-45828

Method: 8151A
Preparation: 8151A

LCS Lab Sample ID:	LCS 180-45828/2-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 180-45828/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	20			Dilution:	20
Analysis Date:	08/31/2012 2219			Analysis Date:	08/31/2012 2244
Prep Date:	08/21/2012 1600			Prep Date:	08/21/2012 1600
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
2,4-D	16.0	16.0	10.4	12.9

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 180-45828

Method: 8151A
Preparation: 8151A

LCS Lab Sample ID:	LCS 180-45828/2-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 180-45828/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	20			Dilution:	20
Analysis Date:	08/31/2012 2244			Analysis Date:	08/31/2012 2309
Prep Date:	08/21/2012 1600			Prep Date:	08/21/2012 1600
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual	
2,4,5-T	4.00	4.00	2.84	1.89	*
Silvex (2,4,5-TP)	4.00	4.00	3.04	1.95	*

Client: Science Applications International Corp

Job Number: 180-13537-1

Method Blank - Batch: 180-45890

Method: 6020A
Preparation: 3010A

Lab Sample ID:	MB 180-45890/1-A	Analysis Batch:	180-46214	Instrument ID:	M
Client Matrix:	Water	Prep Batch:	180-45890	Lab File ID:	M20823A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	08/23/2012 1728	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	08/22/2012 1050				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Arsenic	ND		0.00029	0.0010
Barium	ND		0.000098	0.010
Cadmium	ND		0.00011	0.0010
Chromium	ND		0.00054	0.0020
Lead	0.0000680	J	0.000019	0.0010
Selenium	ND		0.00042	0.0050
Silver	ND		0.000036	0.0010

Lab Control Sample - Batch: 180-45890

Method: 6020A
Preparation: 3010A

Lab Sample ID:	LCS 180-45890/2-A	Analysis Batch:	180-46214	Instrument ID:	M
Client Matrix:	Water	Prep Batch:	180-45890	Lab File ID:	M20823A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	08/23/2012 1732	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	08/22/2012 1050				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	0.0400	0.0373	93	80 - 120	
Barium	2.00	1.80	90	80 - 120	
Cadmium	0.0500	0.0472	94	80 - 120	
Chromium	0.200	0.192	96	80 - 120	
Lead	0.0200	0.0195	97	80 - 120	
Selenium	0.0100	0.0110	110	80 - 120	
Silver	0.0500	0.0466	93	80 - 120	

Client: Science Applications International Corp

Job Number: 180-13537-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 180-45890

Method: 6020A
Preparation: 3010A
TCLP

MS Lab Sample ID:	180-13635-D-1-I MS	Analysis Batch:	180-46214	Instrument ID:	M
Client Matrix:	Water	Prep Batch:	180-45890	Lab File ID:	M20823A.xml
Dilution:	1.0	Leach Batch:	180-45813	Initial Weight/Volume:	5 mL
Analysis Date:	08/23/2012 1749			Final Weight/Volume:	50 mL
Prep Date:	08/22/2012 1050				
Leach Date:	08/21/2012 1826				

MSD Lab Sample ID:	180-13635-D-1-J MSD	Analysis Batch:	180-46214	Instrument ID:	M
Client Matrix:	Water	Prep Batch:	180-45890	Lab File ID:	M20823A.xml
Dilution:	1.0	Leach Batch:	180-45813	Initial Weight/Volume:	5 mL
Analysis Date:	08/23/2012 1753			Final Weight/Volume:	50 mL
Prep Date:	08/22/2012 1050				
Leach Date:	08/21/2012 1826				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Arsenic	-220	-298	75 - 125	2	20	4	4
Barium	90	91	75 - 125	1	20		
Cadmium	92	93	75 - 125	1	20		
Chromium	91	92	75 - 125	1	20		
Lead	90	85	75 - 125	2	20		
Selenium	95	101	75 - 125	7	20		
Silver	92	94	75 - 125	1	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 180-45890

Method: 6020A
Preparation: 3010A
TCLP

MS Lab Sample ID:	180-13635-D-1-I MS	Units:	mg/L
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	08/23/2012 1749		
Prep Date:	08/22/2012 1050		
Leach Date:	08/21/2012 1826		

MSD Lab Sample ID:	180-13635-D-1-J MSD
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	08/23/2012 1753
Prep Date:	08/22/2012 1050
Leach Date:	08/21/2012 1826

	Sample		MS Spike	MSD Spike	MS		MSD	
Analyte	Result/Qual		Amount	Amount	Result/Qual		Result/Qual	
Arsenic	14		0.400	0.400	13.5	4	13.2	4
Barium	0.0037	J	20.0	20.0	18.0		18.2	
Cadmium	0.0080	J	0.500	0.500	0.470		0.474	
Chromium	0.71		2.00	2.00	2.53		2.55	
Lead	0.34		0.200	0.200	0.516		0.507	
Selenium	ND		0.100	0.100	0.0945		0.101	
Silver	0.00043	J	0.500	0.500	0.463		0.469	

Client: Science Applications International Corp

Job Number: 180-13537-1

Serial Dilution - Batch: 180-45890

Method: 6020A
Preparation: 3010A
TCLP

Lab Sample ID:	180-13635-E-1-D SD ^5	Analysis Batch:	180-46214	Instrument ID:	M
Client Matrix:	Water	Prep Batch:	180-45890	Lab File ID:	M20823A.xml
Dilution:	5.0	Leach Batch:	180-45813	Initial Weight/Volume:	5 mL
Analysis Date:	08/23/2012 1745	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	08/22/2012 1050				
Leach Date:	08/21/2012 1601				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Arsenic	14		14.7	2.5	10	
Barium	0.0037	J	0.00780	NC	10	J
Cadmium	0.0080	J	0.00900	NC	10	J
Chromium	0.71		0.727	2.7	10	
Lead	0.34		0.341	1.2	10	
Selenium	ND		ND	NC	10	
Silver	0.00043	J	ND	NC	10	

Client: Science Applications International Corp

Job Number: 180-13537-1

Method Blank - Batch: 180-45944

Method: 6020A
Preparation: 3010A

Lab Sample ID:	MB 180-45944/1-A	Analysis Batch:	180-47625	Instrument ID:	M
Client Matrix:	Water	Prep Batch:	180-45944	Lab File ID:	M20906A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/06/2012 2311	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	08/22/2012 1517				
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
Manganese	0.134	J	0.039	5.0
Lead	0.0890	J	0.019	1.0
Vanadium	0.312	J	0.082	1.0

Lab Control Sample - Batch: 180-45944

Method: 6020A
Preparation: 3010A

Lab Sample ID:	LCS 180-45944/2-A	Analysis Batch:	180-47625	Instrument ID:	M
Client Matrix:	Water	Prep Batch:	180-45944	Lab File ID:	M20906A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/06/2012 2248	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	08/22/2012 1517				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	40.0	40.0	100	80 - 120	
Barium	2000	1830	91	80 - 120	
Iron	1000	1020	102	80 - 120	
Manganese	500	466	93	80 - 120	
Lead	20.0	19.6	98	80 - 120	
Vanadium	500	458	92	80 - 120	

Client: Science Applications International Corp

Job Number: 180-13537-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 180-45944

Method: 6020A
Preparation: 3010A

MS Lab Sample ID:	180-13503-I-2-B MS	Analysis Batch:	180-47625	Instrument ID:	M
Client Matrix:	Water	Prep Batch:	180-45944	Lab File ID:	M20906A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/06/2012 2324			Final Weight/Volume:	50 mL
Prep Date:	08/22/2012 1517				
Leach Date:	N/A				

MSD Lab Sample ID:	180-13503-I-2-C MSD	Analysis Batch:	180-47625	Instrument ID:	M
Client Matrix:	Water	Prep Batch:	180-45944	Lab File ID:	M20906A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/06/2012 2328			Final Weight/Volume:	50 mL
Prep Date:	08/22/2012 1517				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Arsenic	97	106	75 - 125	3	20		
Barium	91	93	75 - 125	1	20		
Iron	99	147	75 - 125	3	20	4	4
Lead	95	95	75 - 125	1	20		
Manganese	84	91	75 - 125	1	20		
Vanadium	90	92	75 - 125	2	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 180-45944

Method: 6020A
Preparation: 3010A

MS Lab Sample ID:	180-13503-I-2-B MS	Units:	ug/L
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	09/06/2012 2324		
Prep Date:	08/22/2012 1517		
Leach Date:	N/A		

MSD Lab Sample ID:	180-13503-I-2-C MSD
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	09/06/2012 2328
Prep Date:	08/22/2012 1517
Leach Date:	N/A

	Sample		MS Spike	MSD Spike	MS		MSD	
Analyte	Result/Qual		Amount	Amount	Result/Qual		Result/Qual	
Arsenic	60		40.0	40.0	98.6		102	
Barium	620		2000	2000	2440		2470	
Iron	14000		1000	1000	14900	4	15400	4
Lead	0.38	J	20.0	20.0	19.3		19.5	
Manganese	1800		500	500	2190		2220	
Vanadium	6.1		500	500	457		464	

Client: Science Applications International Corp

Job Number: 180-13537-1

Serial Dilution - Batch: 180-45944

Method: 6020A
Preparation: 3010A

Lab Sample ID:	180-13503-I-2-A SD ^5	Analysis Batch:	180-47625	Instrument ID:	M
Client Matrix:	Water	Prep Batch:	180-45944	Lab File ID:	M20906A.xml
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/06/2012 2320	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	08/22/2012 1517				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Arsenic	60		60.0	0.50	10	
Barium	620		597	3.1	10	
Iron	14000		13300	4.0	10	
Manganese	1800		1760	0.23	10	
Lead	0.38	J	1.32	NC	10	J
Vanadium	6.1		5.48	10	10	

Client: Science Applications International Corp

Job Number: 180-13537-1

Method Blank - Batch: 180-45945

Method: 6020A
Preparation: 3005A
Total Recoverable

Lab Sample ID:	MB 180-45945/1-A	Analysis Batch:	180-47625	Instrument ID:	M
Client Matrix:	Water	Prep Batch:	180-45945	Lab File ID:	M20906A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/06/2012 1722	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	08/22/2012 1518				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Arsenic	ND		0.29	1.0
Barium	0.191	J	0.098	10
Iron	ND		6.1	50
Manganese	0.112	J	0.039	5.0
Lead	0.728	J	0.019	1.0
Vanadium	ND		0.082	1.0

Lab Control Sample - Batch: 180-45945

Method: 6020A
Preparation: 3005A
Total Recoverable

Lab Sample ID:	LCS 180-45945/2-A	Analysis Batch:	180-47625	Instrument ID:	M
Client Matrix:	Water	Prep Batch:	180-45945	Lab File ID:	M20906A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/06/2012 1726	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	08/22/2012 1518				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	40.0	39.7	99	80 - 120	
Barium	2000	1760	88	80 - 120	
Iron	1000	996	100	80 - 120	
Manganese	500	459	92	80 - 120	
Lead	20.0	20.2	101	80 - 120	
Vanadium	500	454	91	80 - 120	

Client: Science Applications International Corp

Job Number: 180-13537-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 180-45945

Method: 6020A
Preparation: 3005A
Dissolved

MS Lab Sample ID:	180-13503-J-2-B MS	Analysis Batch:	180-47625	Instrument ID:	M
Client Matrix:	Water	Prep Batch:	180-45945	Lab File ID:	M20906A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/06/2012 1742			Final Weight/Volume:	50 mL
Prep Date:	08/22/2012 1518				
Leach Date:	N/A				

MSD Lab Sample ID:	180-13503-J-2-C MSD	Analysis Batch:	180-47625	Instrument ID:	M
Client Matrix:	Water	Prep Batch:	180-45945	Lab File ID:	M20906A.xml
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/06/2012 1746			Final Weight/Volume:	50 mL
Prep Date:	08/22/2012 1518				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Arsenic	94	104	75 - 125	4	20		
Barium	86	88	75 - 125	1	20		
Iron	115	140	75 - 125	2	20	4	4
Lead	88	88	75 - 125	0	20		
Manganese	92	97	75 - 125	1	20		
Vanadium	90	92	75 - 125	2	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 180-45945

Method: 6020A
Preparation: 3005A
Dissolved

MS Lab Sample ID:	180-13503-J-2-B MS	Units:	ug/L
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	09/06/2012 1742		
Prep Date:	08/22/2012 1518		
Leach Date:	N/A		

MSD Lab Sample ID:	180-13503-J-2-C MSD
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	09/06/2012 1746
Prep Date:	08/22/2012 1518
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Arsenic	57		40.0	40.0	94.3		98.2	
Barium	600		2000	2000	2320		2360	
Iron	13000		1000	1000	14100	4	14400	4
Lead	0.68	J	20.0	20.0	18.3		18.4	
Manganese	1700		500	500	2210		2230	
Vanadium	5.0		500	500	454		463	

Client: Science Applications International Corp

Job Number: 180-13537-1

Serial Dilution - Batch: 180-45945

Method: 6020A
Preparation: 3005A
Dissolved

Lab Sample ID:	180-13503-J-2-A SD ^5	Analysis Batch:	180-47625	Instrument ID:	M
Client Matrix:	Water	Prep Batch:	180-45945	Lab File ID:	M20906A.xml
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/06/2012 1737	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	08/22/2012 1518				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Arsenic	57		48.2	15	10	V
Barium	600		556	7.0	10	
Iron	13000		10700	18	10	V
Manganese	1700		1480	15	10	V
Lead	0.68	J	0.815	NC	10	J
Vanadium	5.0		5.36	7.9	10	

DATA REPORTING QUALIFIERS

Client: Science Applications International Corp

Job Number: 180-13537-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	J	Indicates an Estimated Value for TICs
	F	MS or MSD 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.
	F	RPD of the MS and MSD exceeds the control limits
GC/MS Semi VOA		
	*	LCS or LCSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC Semi VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	*	RPD of the LCS and LCSD exceeds the control limits
	X	Surrogate is outside control limits
	p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
Metals		
	B	Compound was found in the blank and sample.
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	V	Serial Dilution exceeds the control limits

Client: Science Applications International Corp

Job Number: 180-13537-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 180-45830					
LB 180-45830/6-A	TCLP SPLPE Leachate Blank	P	Water	1311	
180-13537-7	IDW-1	P	Water	1311	
180-13635-D-1-C MS	Matrix Spike	P	Water	1311	
180-13635-D-1-D MSD	Matrix Spike Duplicate	P	Water	1311	
Analysis Batch:180-45860					
LCS 180-45860/9	Lab Control Sample	T	Water	8260B	
LB 180-45830/6-A	TCLP SPLPE Leachate Blank	P	Water	8260B	
180-13537-7	IDW-1	P	Water	8260B	
180-13635-D-1-C MS	Matrix Spike	P	Water	8260B	
180-13635-D-1-D MSD	Matrix Spike Duplicate	P	Water	8260B	
Analysis Batch:180-46427					
LCS 180-46427/7	Lab Control Sample	T	Water	8260B	
MB 180-46427/4	Method Blank	T	Water	8260B	
180-13537-1	TRIP BLANK	T	Water	8260B	
180-13537-2	MW-101	T	Water	8260B	
180-13537-3	MW-107	T	Water	8260B	
180-13537-4	MW-113	T	Water	8260B	
180-13537-5	MW-110	T	Water	8260B	
180-13537-6	MW-102	T	Water	8260B	
180-13569-A-2 MS	Matrix Spike	T	Water	8260B	
180-13569-A-2 MSD	Matrix Spike Duplicate	T	Water	8260B	

Report Basis

P = TCLP

T = Total

Client: Science Applications International Corp

Job Number: 180-13537-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 180-45557					
LCS 180-45557/2-A	Lab Control Sample	T	Water	3520C	
LCSD 180-45557/3-A	Lab Control Sample Duplicate	T	Water	3520C	
MB 180-45557/1-A	Method Blank	T	Water	3520C	
180-13537-2	MW-101	T	Water	3520C	
180-13537-3	MW-107	T	Water	3520C	
180-13537-4	MW-113	T	Water	3520C	
180-13537-5	MW-110	T	Water	3520C	
180-13537-6	MW-102	T	Water	3520C	
Prep Batch: 180-45654					
180-13537-7	IDW-1	P	Water	1311	
Prep Batch: 180-45791					
LCS 180-45791/2-A	Lab Control Sample	T	Water	3520C	
LCSD 180-45791/3-A	Lab Control Sample Duplicate	T	Water	3520C	
MB 180-45791/1-A	Method Blank	T	Water	3520C	
180-13537-7	IDW-1	P	Water	3520C	180-45654
Analysis Batch:180-45848					
LCS 180-45557/2-A	Lab Control Sample	T	Water	8270C LL	180-45557
LCSD 180-45557/3-A	Lab Control Sample Duplicate	T	Water	8270C LL	180-45557
MB 180-45557/1-A	Method Blank	T	Water	8270C LL	180-45557
180-13537-2	MW-101	T	Water	8270C LL	180-45557
180-13537-3	MW-107	T	Water	8270C LL	180-45557
180-13537-4	MW-113	T	Water	8270C LL	180-45557
180-13537-5	MW-110	T	Water	8270C LL	180-45557
180-13537-6	MW-102	T	Water	8270C LL	180-45557
Analysis Batch:180-46317					
LCS 180-45791/2-A	Lab Control Sample	T	Water	8270C	180-45791
LCSD 180-45791/3-A	Lab Control Sample Duplicate	T	Water	8270C	180-45791
MB 180-45791/1-A	Method Blank	T	Water	8270C	180-45791
Analysis Batch:180-46366					
180-13537-7	IDW-1	P	Water	8270C	180-45791

Report Basis

P = TCLP

T = Total

Client: Science Applications International Corp

Job Number: 180-13537-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 180-45667					
LCS 180-45667/2-A	Lab Control Sample	T	Water	3510C	
LCS 180-45667/4-A	Lab Control Sample	T	Water	3510C	
LCSD 180-45667/3-A	Lab Control Sample Duplicate	T	Water	3510C	
LCSD 180-45667/5-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 180-45667/1-A	Method Blank	T	Water	3510C	
180-13537-2	MW-101	T	Water	3510C	
180-13537-3	MW-107	T	Water	3510C	
180-13537-4	MW-113	T	Water	3510C	
180-13537-5	MW-110	T	Water	3510C	
180-13537-6	MW-102	T	Water	3510C	
Prep Batch: 180-45828					
LCS 180-45828/2-A	Lab Control Sample	T	Water	8151A	
LCSD 180-45828/3-A	Lab Control Sample Duplicate	T	Water	8151A	
MB 180-45828/1-A	Method Blank	T	Water	8151A	
180-13537-2	MW-101	T	Water	8151A	
180-13537-3	MW-107	T	Water	8151A	
180-13537-4	MW-113	T	Water	8151A	
180-13537-5	MW-110	T	Water	8151A	
180-13537-6	MW-102	T	Water	8151A	
Analysis Batch:180-47167					
LCS 180-45828/2-A	Lab Control Sample	T	Water	8151A	180-45828
LCSD 180-45828/3-A	Lab Control Sample Duplicate	T	Water	8151A	180-45828
MB 180-45828/1-A	Method Blank	T	Water	8151A	180-45828
180-13537-2	MW-101	T	Water	8151A	180-45828
180-13537-3	MW-107	T	Water	8151A	180-45828
180-13537-4	MW-113	T	Water	8151A	180-45828
180-13537-5	MW-110	T	Water	8151A	180-45828
180-13537-6	MW-102	T	Water	8151A	180-45828
Analysis Batch:180-47174					
LCS 180-45828/2-A	Lab Control Sample	T	Water	8151A	180-45828
LCSD 180-45828/3-A	Lab Control Sample Duplicate	T	Water	8151A	180-45828
MB 180-45828/1-A	Method Blank	T	Water	8151A	180-45828
180-13537-2	MW-101	T	Water	8151A	180-45828
180-13537-3	MW-107	T	Water	8151A	180-45828
180-13537-4	MW-113	T	Water	8151A	180-45828
180-13537-5	MW-110	T	Water	8151A	180-45828
180-13537-6	MW-102	T	Water	8151A	180-45828

Client: Science Applications International Corp

Job Number: 180-13537-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:180-47297					
LCS 180-45667/2-A	Lab Control Sample	T	Water	8081A	180-45667
LCSD 180-45667/3-A	Lab Control Sample Duplicate	T	Water	8081A	180-45667
MB 180-45667/1-A	Method Blank	T	Water	8081A	180-45667
180-13537-2	MW-101	T	Water	8081A	180-45667
180-13537-3	MW-107	T	Water	8081A	180-45667
180-13537-4	MW-113	T	Water	8081A	180-45667
180-13537-5	MW-110	T	Water	8081A	180-45667
180-13537-6	MW-102	T	Water	8081A	180-45667
Analysis Batch:180-47722					
LCS 180-45667/4-A	Lab Control Sample	T	Water	8082	180-45667
LCSD 180-45667/5-A	Lab Control Sample Duplicate	T	Water	8082	180-45667
MB 180-45667/1-A	Method Blank	T	Water	8082	180-45667
180-13537-2	MW-101	T	Water	8082	180-45667
180-13537-3	MW-107	T	Water	8082	180-45667
180-13537-4	MW-113	T	Water	8082	180-45667
180-13537-5	MW-110	T	Water	8082	180-45667
180-13537-6	MW-102	T	Water	8082	180-45667

Report Basis

T = Total

Client: Science Applications International Corp

Job Number: 180-13537-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 180-45654					
180-13537-7	IDW-1	P	Water	1311	
Prep Batch: 180-45813					
180-13635-D-1-I MS	Matrix Spike	P	Water	1311	
180-13635-D-1-J MSD	Matrix Spike Duplicate	P	Water	1311	
Prep Batch: 180-45890					
LCS 180-45890/2-A	Lab Control Sample	T	Water	3010A	
MB 180-45890/1-A	Method Blank	T	Water	3010A	
180-13537-7	IDW-1	P	Water	3010A	180-45654
180-13635-D-1-I MS	Matrix Spike	P	Water	3010A	180-45813
180-13635-D-1-J MSD	Matrix Spike Duplicate	P	Water	3010A	180-45813
Prep Batch: 180-45944					
LCS 180-45944/2-A	Lab Control Sample	T	Water	3010A	
MB 180-45944/1-A	Method Blank	T	Water	3010A	
180-13503-I-2-B MS	Matrix Spike	T	Water	3010A	
180-13503-I-2-C MSD	Matrix Spike Duplicate	T	Water	3010A	
180-13537-2	MW-101	T	Water	3010A	
180-13537-3	MW-107	T	Water	3010A	
180-13537-4	MW-113	T	Water	3010A	
180-13537-5	MW-110	T	Water	3010A	
180-13537-6	MW-102	T	Water	3010A	
Prep Batch: 180-45945					
LCS 180-45945/2-A	Lab Control Sample	R	Water	3005A	
MB 180-45945/1-A	Method Blank	R	Water	3005A	
180-13503-J-2-B MS	Matrix Spike	D	Water	3005A	
180-13503-J-2-C MSD	Matrix Spike Duplicate	D	Water	3005A	
180-13537-2	MW-101	D	Water	3005A	
180-13537-3	MW-107	D	Water	3005A	
180-13537-4	MW-113	D	Water	3005A	
180-13537-5	MW-110	D	Water	3005A	
180-13537-6	MW-102	D	Water	3005A	
Analysis Batch:180-46214					
LCS 180-45890/2-A	Lab Control Sample	T	Water	6020A	180-45890
MB 180-45890/1-A	Method Blank	T	Water	6020A	180-45890
180-13537-7	IDW-1	P	Water	6020A	180-45890
180-13635-D-1-I MS	Matrix Spike	P	Water	6020A	180-45890
180-13635-D-1-J MSD	Matrix Spike Duplicate	P	Water	6020A	180-45890

Client: Science Applications International Corp

Job Number: 180-13537-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:180-47625					
LCS 180-45944/2-A	Lab Control Sample	T	Water	6020A	180-45944
MB 180-45944/1-A	Method Blank	T	Water	6020A	180-45944
LCS 180-45945/2-A	Lab Control Sample	R	Water	6020A	180-45945
MB 180-45945/1-A	Method Blank	R	Water	6020A	180-45945
180-13503-I-2-B MS	Matrix Spike	T	Water	6020A	180-45944
180-13503-I-2-C MSD	Matrix Spike Duplicate	T	Water	6020A	180-45944
180-13503-J-2-B MS	Matrix Spike	D	Water	6020A	180-45945
180-13503-J-2-C MSD	Matrix Spike Duplicate	D	Water	6020A	180-45945
180-13537-2	MW-101	T	Water	6020A	180-45944
180-13537-2	MW-101	D	Water	6020A	180-45945
180-13537-3	MW-107	T	Water	6020A	180-45944
180-13537-3	MW-107	D	Water	6020A	180-45945
180-13537-4	MW-113	T	Water	6020A	180-45944
180-13537-4	MW-113	D	Water	6020A	180-45945
180-13537-5	MW-110	T	Water	6020A	180-45944
180-13537-5	MW-110	D	Water	6020A	180-45945
180-13537-6	MW-102	T	Water	6020A	180-45944
180-13537-6	MW-102	D	Water	6020A	180-45945

Report Basis

D = Dissolved

P = TCLP

R = Total Recoverable

T = Total

Client: Science Applications International Corp

Job Number: 180-13537-1

Laboratory Chronicle

Lab ID: **180-13537-1** **Client ID:** **TRIP BLANK**

Sample Date/Time: 08/16/2012 00:00 Received Date/Time: 08/17/2012 09:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	180-13537-A-1		180-46427		08/27/2012 17:07	1	TAL PIT	DF
A:8260B	180-13537-A-1		180-46427		08/27/2012 17:07	1	TAL PIT	DF

Lab ID: **180-13537-2** **Client ID:** **MW-101**

Sample Date/Time: 08/16/2012 08:15 Received Date/Time: 08/17/2012 09:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	180-13537-N-2		180-46427		08/27/2012 14:43	1	TAL PIT	DF
A:8260B	180-13537-N-2		180-46427		08/27/2012 14:43	1	TAL PIT	DF
P:3520C	180-13537-F-2-A		180-45848	180-45557	08/20/2012 10:22	1	TAL PIT	BT
A:8270C LL	180-13537-F-2-A		180-45848	180-45557	08/21/2012 23:30	1	TAL PIT	VP
P:3510C	180-13537-D-2-A		180-47297	180-45667	08/20/2012 13:55	1	TAL PIT	CY
A:8081A	180-13537-D-2-A		180-47297	180-45667	09/05/2012 19:44	1	TAL PIT	JO
P:3510C	180-13537-D-2-A		180-47722	180-45667	08/20/2012 13:55	1	TAL PIT	CY
A:8082	180-13537-D-2-A		180-47722	180-45667	08/30/2012 04:45	1	TAL PIT	AG
P:8151A	180-13537-E-2-A		180-47174	180-45828	08/21/2012 16:00	20	TAL PIT	CY
A:8151A	180-13537-E-2-A		180-47174	180-45828	08/31/2012 19:24	20	TAL PIT	JO
P:8151A	180-13537-E-2-A		180-47167	180-45828	08/21/2012 16:00	20	TAL PIT	CY
A:8151A	180-13537-E-2-A		180-47167	180-45828	08/31/2012 19:50	20	TAL PIT	JO
P:3005A	180-13537-J-2-A		180-47625	180-45945	08/22/2012 15:18	1	TAL PIT	CNS
A:6020A	180-13537-J-2-A		180-47625	180-45945	09/06/2012 18:45	1	TAL PIT	BR
P:3010A	180-13537-K-2-A		180-47625	180-45944	08/22/2012 15:17	1	TAL PIT	CNS
A:6020A	180-13537-K-2-A		180-47625	180-45944	09/07/2012 00:29	1	TAL PIT	BR

Client: Science Applications International Corp

Job Number: 180-13537-1

Laboratory Chronicle

Lab ID: **180-13537-3** **Client ID:** **MW-107**

Sample Date/Time: 08/16/2012 09:00 Received Date/Time: 08/17/2012 09:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	180-13537-L-3		180-46427		08/27/2012 15:07	1	TAL PIT	DF
A:8260B	180-13537-L-3		180-46427		08/27/2012 15:07	1	TAL PIT	DF
P:3520C	180-13537-C-3-A		180-45848	180-45557	08/20/2012 10:22	1	TAL PIT	BT
A:8270C LL	180-13537-C-3-A		180-45848	180-45557	08/21/2012 23:55	1	TAL PIT	VP
P:3510C	180-13537-G-3-A		180-47297	180-45667	08/20/2012 13:55	1	TAL PIT	CY
A:8081A	180-13537-G-3-A		180-47297	180-45667	09/05/2012 20:00	1	TAL PIT	JO
P:3510C	180-13537-G-3-A		180-47722	180-45667	08/20/2012 13:55	1	TAL PIT	CY
A:8082	180-13537-G-3-A		180-47722	180-45667	08/30/2012 05:10	1	TAL PIT	AG
P:8151A	180-13537-H-3-A		180-47174	180-45828	08/21/2012 16:00	20	TAL PIT	CY
A:8151A	180-13537-H-3-A		180-47174	180-45828	08/31/2012 19:50	20	TAL PIT	JO
P:8151A	180-13537-H-3-A		180-47167	180-45828	08/21/2012 16:00	20	TAL PIT	CY
A:8151A	180-13537-H-3-A		180-47167	180-45828	08/31/2012 20:15	20	TAL PIT	JO
P:3005A	180-13537-K-3-A		180-47625	180-45945	08/22/2012 15:18	1	TAL PIT	CNS
A:6020A	180-13537-K-3-A		180-47625	180-45945	09/06/2012 19:04	1	TAL PIT	BR
P:3010A	180-13537-I-3-A		180-47625	180-45944	08/22/2012 15:17	1	TAL PIT	CNS
A:6020A	180-13537-I-3-A		180-47625	180-45944	09/07/2012 00:33	1	TAL PIT	BR

Lab ID: **180-13537-4** **Client ID:** **MW-113**

Sample Date/Time: 08/16/2012 09:30 Received Date/Time: 08/17/2012 09:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	180-13537-M-4		180-46427		08/27/2012 15:31	1	TAL PIT	DF
A:8260B	180-13537-M-4		180-46427		08/27/2012 15:31	1	TAL PIT	DF
P:3520C	180-13537-D-4-A		180-45848	180-45557	08/20/2012 10:22	1	TAL PIT	BT
A:8270C LL	180-13537-D-4-A		180-45848	180-45557	08/22/2012 00:19	1	TAL PIT	VP
P:3510C	180-13537-F-4-A		180-47297	180-45667	08/20/2012 13:55	1	TAL PIT	CY
A:8081A	180-13537-F-4-A		180-47297	180-45667	09/05/2012 20:16	1	TAL PIT	JO
P:3510C	180-13537-F-4-A		180-47722	180-45667	08/20/2012 13:55	1	TAL PIT	CY
A:8082	180-13537-F-4-A		180-47722	180-45667	08/30/2012 05:34	1	TAL PIT	AG
P:8151A	180-13537-B-4-A		180-47174	180-45828	08/21/2012 16:00	20	TAL PIT	CY
A:8151A	180-13537-B-4-A		180-47174	180-45828	08/31/2012 20:15	20	TAL PIT	JO
P:8151A	180-13537-B-4-A		180-47167	180-45828	08/21/2012 16:00	20	TAL PIT	CY
A:8151A	180-13537-B-4-A		180-47167	180-45828	08/31/2012 20:40	20	TAL PIT	JO
P:3005A	180-13537-I-4-A		180-47625	180-45945	08/22/2012 15:18	1	TAL PIT	CNS
A:6020A	180-13537-I-4-A		180-47625	180-45945	09/06/2012 19:08	1	TAL PIT	BR
P:3010A	180-13537-K-4-A		180-47625	180-45944	08/22/2012 15:17	1	TAL PIT	CNS
A:6020A	180-13537-K-4-A		180-47625	180-45944	09/07/2012 00:38	1	TAL PIT	BR

Client: Science Applications International Corp

Job Number: 180-13537-1

Laboratory Chronicle

Lab ID: **180-13537-5** **Client ID:** **MW-110**

Sample Date/Time: 08/16/2012 11:40 Received Date/Time: 08/17/2012 09:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	180-13537-N-5		180-46427		08/27/2012 16:19	1	TAL PIT	DF
A:8260B	180-13537-N-5		180-46427		08/27/2012 16:19	1	TAL PIT	DF
P:3520C	180-13537-G-5-A		180-45848	180-45557	08/20/2012 10:22	1	TAL PIT	BT
A:8270C LL	180-13537-G-5-A		180-45848	180-45557	08/22/2012 00:43	1	TAL PIT	VP
P:3510C	180-13537-H-5-A		180-47297	180-45667	08/20/2012 13:55	1	TAL PIT	CY
A:8081A	180-13537-H-5-A		180-47297	180-45667	09/05/2012 20:31	1	TAL PIT	JO
P:3510C	180-13537-H-5-A		180-47722	180-45667	08/20/2012 13:55	1	TAL PIT	CY
A:8082	180-13537-H-5-A		180-47722	180-45667	08/30/2012 05:59	1	TAL PIT	AG
P:8151A	180-13537-D-5-A		180-47174	180-45828	08/21/2012 16:00	20	TAL PIT	CY
A:8151A	180-13537-D-5-A		180-47174	180-45828	08/31/2012 20:40	20	TAL PIT	JO
P:8151A	180-13537-D-5-A		180-47167	180-45828	08/21/2012 16:00	20	TAL PIT	CY
A:8151A	180-13537-D-5-A		180-47167	180-45828	08/31/2012 21:05	20	TAL PIT	JO
P:3005A	180-13537-I-5-A		180-47625	180-45945	08/22/2012 15:18	1	TAL PIT	CNS
A:6020A	180-13537-I-5-A		180-47625	180-45945	09/06/2012 19:13	1	TAL PIT	BR
P:3010A	180-13537-J-5-A		180-47625	180-45944	08/22/2012 15:17	1	TAL PIT	CNS
A:6020A	180-13537-J-5-A		180-47625	180-45944	09/07/2012 00:42	1	TAL PIT	BR

Lab ID: **180-13537-6** **Client ID:** **MW-102**

Sample Date/Time: 08/16/2012 12:00 Received Date/Time: 08/17/2012 09:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	180-13537-M-6		180-46427		08/27/2012 16:43	1	TAL PIT	DF
A:8260B	180-13537-M-6		180-46427		08/27/2012 16:43	1	TAL PIT	DF
P:3520C	180-13537-H-6-A		180-45848	180-45557	08/20/2012 10:22	1	TAL PIT	BT
A:8270C LL	180-13537-H-6-A		180-45848	180-45557	08/22/2012 01:07	1	TAL PIT	VP
P:3510C	180-13537-G-6-B		180-47297	180-45667	08/20/2012 19:08	1	TAL PIT	CY
A:8081A	180-13537-G-6-B		180-47297	180-45667	09/05/2012 20:47	1	TAL PIT	JO
P:3510C	180-13537-G-6-B		180-47722	180-45667	08/20/2012 19:08	1	TAL PIT	CY
A:8082	180-13537-G-6-B		180-47722	180-45667	08/30/2012 06:23	1	TAL PIT	AG
P:8151A	180-13537-B-6-A		180-47174	180-45828	08/21/2012 16:00	20	TAL PIT	CY
A:8151A	180-13537-B-6-A		180-47174	180-45828	08/31/2012 21:05	20	TAL PIT	JO
P:8151A	180-13537-B-6-A		180-47167	180-45828	08/21/2012 16:00	20	TAL PIT	CY
A:8151A	180-13537-B-6-A		180-47167	180-45828	08/31/2012 21:30	20	TAL PIT	JO
P:3005A	180-13537-K-6-A		180-47625	180-45945	08/22/2012 15:18	1	TAL PIT	CNS
A:6020A	180-13537-K-6-A		180-47625	180-45945	09/06/2012 19:17	1	TAL PIT	BR
P:3010A	180-13537-J-6-A		180-47625	180-45944	08/22/2012 15:17	1	TAL PIT	CNS
A:6020A	180-13537-J-6-A		180-47625	180-45944	09/07/2012 00:46	1	TAL PIT	BR

Client: Science Applications International Corp

Job Number: 180-13537-1

Laboratory Chronicle

Lab ID: **180-13537-7** **Client ID:** **IDW-1**

Sample Date/Time: 08/16/2012 13:30 Received Date/Time: 08/17/2012 09:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	180-13537-A-7-C		180-45860		08/22/2012 14:29	40	TAL PIT	MZ
A:8260B	180-13537-A-7-C		180-45860		08/22/2012 14:29	40	TAL PIT	MZ
P:3520C	180-13537-A-7-B		180-46366	180-45791	08/21/2012 14:30	1	TAL PIT	BT
A:8270C	180-13537-A-7-B		180-46366	180-45791	08/25/2012 18:28	1	TAL PIT	VP
P:3010A	180-13537-A-7-D		180-46214	180-45890	08/22/2012 10:50	1	TAL PIT	CH
A:6020A	180-13537-A-7-D		180-46214	180-45890	08/23/2012 18:10	1	TAL PIT	BR

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 180-46427/4		180-46427		08/27/2012 11:21	1	TAL PIT	DF
A:8260B	MB 180-46427/4		180-46427		08/27/2012 11:21	1	TAL PIT	DF
P:3520C	MB 180-45791/1-A		180-46317	180-45791	08/21/2012 14:30	1	TAL PIT	BT
A:8270C	MB 180-45791/1-A		180-46317	180-45791	08/24/2012 18:34	1	TAL PIT	VP
P:3520C	MB 180-45557/1-A		180-45848	180-45557	08/20/2012 10:22	1	TAL PIT	BT
A:8270C LL	MB 180-45557/1-A		180-45848	180-45557	08/21/2012 16:15	1	TAL PIT	VP
P:3510C	MB 180-45667/1-A		180-47297	180-45667	08/20/2012 13:55	1	TAL PIT	CY
A:8081A	MB 180-45667/1-A		180-47297	180-45667	09/05/2012 21:02	1	TAL PIT	JO
P:3510C	MB 180-45667/1-A		180-47722	180-45667	08/20/2012 13:55	1	TAL PIT	CY
A:8082	MB 180-45667/1-A		180-47722	180-45667	08/30/2012 06:48	1	TAL PIT	AG
P:8151A	MB 180-45828/1-A		180-47174	180-45828	08/21/2012 16:00	20	TAL PIT	CY
A:8151A	MB 180-45828/1-A		180-47174	180-45828	08/31/2012 21:30	20	TAL PIT	JO
P:8151A	MB 180-45828/1-A		180-47167	180-45828	08/21/2012 16:00	20	TAL PIT	CY
A:8151A	MB 180-45828/1-A		180-47167	180-45828	08/31/2012 21:55	20	TAL PIT	JO
P:3010A	MB 180-45890/1-A		180-46214	180-45890	08/22/2012 10:50	1	TAL PIT	CH
A:6020A	MB 180-45890/1-A		180-46214	180-45890	08/23/2012 17:28	1	TAL PIT	BR
P:3005A	MB 180-45945/1-A		180-47625	180-45945	08/22/2012 15:18	1	TAL PIT	CNS
A:6020A	MB 180-45945/1-A		180-47625	180-45945	09/06/2012 17:22	1	TAL PIT	BR
P:3010A	MB 180-45944/1-A		180-47625	180-45944	08/22/2012 15:17	1	TAL PIT	CNS
A:6020A	MB 180-45944/1-A		180-47625	180-45944	09/06/2012 23:11	1	TAL PIT	BR

Lab ID: **LB** **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	LB 180-45830/6-A		180-45860		08/22/2012 07:21	1	TAL PIT	MZ
A:8260B	LB 180-45830/6-A		180-45860		08/22/2012 07:21	1	TAL PIT	MZ

Client: Science Applications International Corp

Job Number: 180-13537-1

Laboratory Chronicle

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 180-45860/9		180-45860		08/22/2012 10:07	10	TAL PIT	MZ
A:8260B	LCS 180-45860/9		180-45860		08/22/2012 10:07	10	TAL PIT	MZ
P:5030B	LCS 180-46427/7		180-46427		08/27/2012 12:44	1	TAL PIT	DF
A:8260B	LCS 180-46427/7		180-46427		08/27/2012 12:44	1	TAL PIT	DF
P:3520C	LCS 180-45791/2-A		180-46317	180-45791	08/21/2012 14:30	1	TAL PIT	BT
A:8270C	LCS 180-45791/2-A		180-46317	180-45791	08/24/2012 18:58	1	TAL PIT	VP
P:3520C	LCS 180-45557/2-A		180-45848	180-45557	08/20/2012 10:22	1	TAL PIT	BT
A:8270C LL	LCS 180-45557/2-A		180-45848	180-45557	08/21/2012 18:16	1	TAL PIT	VP
P:3510C	LCS 180-45667/2-A		180-47297	180-45667	08/20/2012 13:55	1	TAL PIT	CY
A:8081A	LCS 180-45667/2-A		180-47297	180-45667	09/05/2012 21:18	1	TAL PIT	JO
P:3510C	LCS 180-45667/4-A		180-47722	180-45667	08/20/2012 13:55	1	TAL PIT	CY
A:8082	LCS 180-45667/4-A		180-47722	180-45667	08/30/2012 07:12	1	TAL PIT	AG
P:8151A	LCS 180-45828/2-A		180-47174	180-45828	08/21/2012 16:00	20	TAL PIT	CY
A:8151A	LCS 180-45828/2-A		180-47174	180-45828	08/31/2012 22:19	20	TAL PIT	JO
P:8151A	LCS 180-45828/2-A		180-47167	180-45828	08/21/2012 16:00	20	TAL PIT	CY
A:8151A	LCS 180-45828/2-A		180-47167	180-45828	08/31/2012 22:44	20	TAL PIT	JO
P:3010A	LCS 180-45890/2-A		180-46214	180-45890	08/22/2012 10:50	1	TAL PIT	CH
A:6020A	LCS 180-45890/2-A		180-46214	180-45890	08/23/2012 17:32	1	TAL PIT	BR
P:3005A	LCS 180-45945/2-A		180-47625	180-45945	08/22/2012 15:18	1	TAL PIT	CNS
A:6020A	LCS 180-45945/2-A		180-47625	180-45945	09/06/2012 17:26	1	TAL PIT	BR
P:3010A	LCS 180-45944/2-A		180-47625	180-45944	08/22/2012 15:17	1	TAL PIT	CNS
A:6020A	LCS 180-45944/2-A		180-47625	180-45944	09/06/2012 22:48	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:3520C	LCSD 180-45791/3-A		180-46317	180-45791	08/21/2012 14:30	1	TAL PIT	BT
A:8270C	LCSD 180-45791/3-A		180-46317	180-45791	08/24/2012 19:23	1	TAL PIT	VP
P:3520C	LCSD 180-45557/3-A		180-45848	180-45557	08/20/2012 10:22	1	TAL PIT	BT
A:8270C LL	LCSD 180-45557/3-A		180-45848	180-45557	08/21/2012 18:41	1	TAL PIT	VP
P:3510C	LCSD 180-45667/3-A		180-47297	180-45667	08/20/2012 13:55	1	TAL PIT	CY
A:8081A	LCSD 180-45667/3-A		180-47297	180-45667	09/05/2012 21:34	1	TAL PIT	JO
P:3510C	LCSD 180-45667/5-A		180-47722	180-45667	08/20/2012 13:55	1	TAL PIT	CY
A:8082	LCSD 180-45667/5-A		180-47722	180-45667	08/30/2012 07:37	1	TAL PIT	AG
P:8151A	LCSD 180-45828/3-A		180-47174	180-45828	08/21/2012 16:00	20	TAL PIT	CY
A:8151A	LCSD 180-45828/3-A		180-47174	180-45828	08/31/2012 22:44	20	TAL PIT	JO
P:8151A	LCSD 180-45828/3-A		180-47167	180-45828	08/21/2012 16:00	20	TAL PIT	CY
A:8151A	LCSD 180-45828/3-A		180-47167	180-45828	08/31/2012 23:09	20	TAL PIT	JO

Client: Science Applications International Corp

Job Number: 180-13537-1

Laboratory Chronicle

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:5030B	180-13635-D-1-C MS		180-45860		08/22/2012 08:17	40	TAL PIT	MZ
A:8260B	180-13635-D-1-C MS		180-45860		08/22/2012 08:17	40	TAL PIT	MZ
P:5030B	180-13569-A-2 MS		180-46427		08/27/2012 13:08	1	TAL PIT	DF
A:8260B	180-13569-A-2 MS		180-46427		08/27/2012 13:08	1	TAL PIT	DF
P:3010A	180-13635-D-1-I MS		180-46214	180-45890	08/22/2012 10:50	1	TAL PIT	CH
A:6020A	180-13635-D-1-I MS		180-46214	180-45890	08/23/2012 17:49	1	TAL PIT	BR
P:3005A	180-13503-J-2-B MS		180-47625	180-45945	08/22/2012 15:18	1	TAL PIT	CNS
A:6020A	180-13503-J-2-B MS		180-47625	180-45945	09/06/2012 17:42	1	TAL PIT	BR
P:3010A	180-13503-I-2-B MS		180-47625	180-45944	08/22/2012 15:17	1	TAL PIT	CNS
A:6020A	180-13503-I-2-B MS		180-47625	180-45944	09/06/2012 23:24	1	TAL PIT	BR

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:5030B	180-13635-D-1-D MSD		180-45860		08/22/2012 10:32	40	TAL PIT	MZ
A:8260B	180-13635-D-1-D MSD		180-45860		08/22/2012 10:32	40	TAL PIT	MZ
P:5030B	180-13569-A-2 MSD		180-46427		08/27/2012 13:32	1	TAL PIT	DF
A:8260B	180-13569-A-2 MSD		180-46427		08/27/2012 13:32	1	TAL PIT	DF
P:3010A	180-13635-D-1-J MSD		180-46214	180-45890	08/22/2012 10:50	1	TAL PIT	CH
A:6020A	180-13635-D-1-J MSD		180-46214	180-45890	08/23/2012 17:53	1	TAL PIT	BR
P:3005A	180-13503-J-2-C MSD		180-47625	180-45945	08/22/2012 15:18	1	TAL PIT	CNS
A:6020A	180-13503-J-2-C MSD		180-47625	180-45945	09/06/2012 17:46	1	TAL PIT	BR
P:3010A	180-13503-I-2-C MSD		180-47625	180-45944	08/22/2012 15:17	1	TAL PIT	CNS
A:6020A	180-13503-I-2-C MSD		180-47625	180-45944	09/06/2012 23:28	1	TAL PIT	BR

Client: Science Applications International Corp

Job Number: 180-13537-1

Laboratory Chronicle

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	180-13635-E-1-D SD ^5		180-46214	180-45890	08/22/2012 10:50	5	TAL PIT	CH
A:6020A	180-13635-E-1-D SD ^5		180-46214	180-45890	08/23/2012 17:45	5	TAL PIT	BR
P:3005A	180-13503-J-2-A SD ^5		180-47625	180-45945	08/22/2012 15:18	5	TAL PIT	CNS
A:6020A	180-13503-J-2-A SD ^5		180-47625	180-45945	09/06/2012 17:37	5	TAL PIT	BR
P:3010A	180-13503-I-2-A SD ^5		180-47625	180-45944	08/22/2012 15:17	5	TAL PIT	CNS
A:6020A	180-13503-I-2-A SD ^5		180-47625	180-45944	09/06/2012 23:20	5	TAL PIT	BR

Lab References:
TAL PIT = TestAmerica Pittsburgh

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
GCAR1232CALL4_00003	11/21/12	05/18/12	Hexane, Lot 267547	100 mL	GCAR1232STD_00001	0.05 mL	PCB-1232	0.5 ug/mL
.GCAR1232STD_00001	09/30/15		SUPELCO, Lot LB78773		(Purchased Reagent)		PCB-1232	1000 ug/mL
GCAR1242CALL4_00003	11/21/12	05/18/12	Hexane, Lot 267547	100 mL	GCAR1242STD_00001	0.05 mL	PCB-1242	0.5 ug/mL
.GCAR1242STD_00001	11/30/13		SUPELCO, Lot LB71718		(Purchased Reagent)		PCB-1242	1000 ug/mL
GCAR1248CALL4_00003	11/21/12	05/18/12	Hexane, Lot 267547	100 mL	GCAR1248STD_00001	0.05 mL	PCB-1248	0.5 ug/mL
.GCAR1248STD_00001	01/31/13		SUPELCO, Lot LB73022		(Purchased Reagent)		PCB-1248	1000 ug/mL
GCAR1660CALL1_00003	09/26/12	03/26/12	HEXANE, Lot 267547	100 mL	GC1660WORKS_00003	0.01 mL	PCB-1016 Peak 1	0.01 ug/mL
							PCB-1016 Peak 2	0.01 ug/mL
							PCB-1016 Peak 3	0.01 ug/mL
							PCB-1016 Peak 4	0.01 ug/mL
							PCB-1016 Peak 5	0.01 ug/mL
							PCB-1260 Peak 1	0.01 ug/mL
							PCB-1260 Peak 2	0.01 ug/mL
							PCB-1260 Peak 3	0.01 ug/mL
							PCB-1260 Peak 4	0.01 ug/mL
							PCB-1260 Peak 5	0.01 ug/mL
							DCB Decachlorobiphenyl (Surr)	0.0005 ug/mL
							Tetrachloro-m-xylene	0.0005 ug/mL
.GC1660WORKS_00003	09/26/12	03/26/12	HEXANE, Lot 267547	10 mL	GCPCB1016STD_00002	1 mL	PCB-1016 Peak 1	100 ug/mL
							PCB-1016 Peak 2	100 ug/mL
							PCB-1016 Peak 3	100 ug/mL
							PCB-1016 Peak 4	100 ug/mL
							PCB-1016 Peak 5	100 ug/mL
					GCPCB1260STD_00002	1 mL	PCB-1260 Peak 1	100 ug/mL
							PCB-1260 Peak 2	100 ug/mL
							PCB-1260 Peak 3	100 ug/mL
							PCB-1260 Peak 4	100 ug/mL
							PCB-1260 Peak 5	100 ug/mL
					GCPEST(SURR)S_00001	0.25 mL	DCB Decachlorobiphenyl (Surr)	5 ug/mL
							Tetrachloro-m-xylene	5 ug/mL
..GCPCB1016STD_00002	12/31/13		Supelco, Lot LB78930		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
..GCPCB1260STD_00002	12/31/13		Supelco, Lot LB80264		(Purchased Reagent)		PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
..GCPEST(SURR)S_00001	01/30/15		RESTEK, Lot A053922		(Purchased Reagent)		DCB Decachlorobiphenyl (Surr)	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
GCAR1660CALL2_00004	09/26/12	03/26/12	HEXANE, Lot 267547	100 mL	GC1660WORKS_00003	0.05 mL	PCB-1016 Peak 1	0.05 ug/mL
							PCB-1016 Peak 2	0.05 ug/mL
							PCB-1016 Peak 3	0.05 ug/mL
							PCB-1016 Peak 4	0.05 ug/mL
							PCB-1016 Peak 5	0.05 ug/mL
							PCB-1260 Peak 1	0.05 ug/mL
							PCB-1260 Peak 2	0.05 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1260 Peak 3	0.05 ug/mL
							PCB-1260 Peak 4	0.05 ug/mL
							PCB-1260 Peak 5	0.05 ug/mL
							DCB Decachlorobiphenyl (Surr)	0.0025 ug/mL
							Tetrachloro-m-xylene	0.0025 ug/mL
.GC1660WORKS_00003	09/26/12	03/26/12	HEXANE, Lot 267547	10 mL	GCPCB1016STD_00002	1 mL	PCB-1016 Peak 1	100 ug/mL
							PCB-1016 Peak 2	100 ug/mL
							PCB-1016 Peak 3	100 ug/mL
							PCB-1016 Peak 4	100 ug/mL
							PCB-1016 Peak 5	100 ug/mL
					GCPCB1260STD_00002	1 mL	PCB-1260 Peak 1	100 ug/mL
							PCB-1260 Peak 2	100 ug/mL
							PCB-1260 Peak 3	100 ug/mL
							PCB-1260 Peak 4	100 ug/mL
							PCB-1260 Peak 5	100 ug/mL
					GCPEST(SURR)S_00001	0.25 mL	DCB Decachlorobiphenyl (Surr)	5 ug/mL
							Tetrachloro-m-xylene	5 ug/mL
..GCPCB1016STD_00002	12/31/13	Supelco, Lot LB78930			(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
..GCPCB1260STD_00002	12/31/13	Supelco, Lot LB80264			(Purchased Reagent)		PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
..GCPEST(SURR)S_00001	01/30/15	RESTEK, Lot A053922			(Purchased Reagent)		DCB Decachlorobiphenyl (Surr)	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
GCAR1660CALL3_00003	09/26/12	03/26/12	HEXANE, Lot 267547	100 mL	GC1660WORKS_00003	0.2 mL	PCB-1016 Peak 1	0.2 ug/mL
							PCB-1016 Peak 2	0.2 ug/mL
							PCB-1016 Peak 3	0.2 ug/mL
							PCB-1016 Peak 4	0.2 ug/mL
							PCB-1016 Peak 5	0.2 ug/mL
							PCB-1260 Peak 1	0.2 ug/mL
							PCB-1260 Peak 2	0.2 ug/mL
							PCB-1260 Peak 3	0.2 ug/mL
							PCB-1260 Peak 4	0.2 ug/mL
							PCB-1260 Peak 5	0.2 ug/mL
							DCB Decachlorobiphenyl (Surr)	0.01 ug/mL
							Tetrachloro-m-xylene	0.01 ug/mL
.GC1660WORKS_00003	09/26/12	03/26/12	HEXANE, Lot 267547	10 mL	GCPCB1016STD_00002	1 mL	PCB-1016 Peak 1	100 ug/mL
							PCB-1016 Peak 2	100 ug/mL
							PCB-1016 Peak 3	100 ug/mL
							PCB-1016 Peak 4	100 ug/mL
							PCB-1016 Peak 5	100 ug/mL
					GCPCB1260STD_00002	1 mL	PCB-1260 Peak 1	100 ug/mL
							PCB-1260 Peak 2	100 ug/mL
							PCB-1260 Peak 3	100 ug/mL
							PCB-1260 Peak 4	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1260 Peak 5	100 ug/mL
					GCPEST(SURR)S_00001	0.25 mL	DCB Decachlorobiphenyl (Surr)	5 ug/mL
							Tetrachloro-m-xylene	5 ug/mL
..GCPCB1016STD_00002	12/31/13		Supelco, Lot LB78930		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
..GCPCB1260STD_00002	12/31/13		Supelco, Lot LB80264		(Purchased Reagent)		PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
..GCPEST(SURR)S_00001	01/30/15		RESTEK, Lot A053922		(Purchased Reagent)		DCB Decachlorobiphenyl (Surr)	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
GCAR1660CALL4_00003	09/26/12	03/26/12	HEAXANE, Lot 267547	200 mL	GC1660WORKS_00003	1 mL	PCB-1016 Peak 1	0.5 ug/mL
							PCB-1016 Peak 2	0.5 ug/mL
							PCB-1016 Peak 3	0.5 ug/mL
							PCB-1016 Peak 4	0.5 ug/mL
							PCB-1016 Peak 5	0.5 ug/mL
							PCB-1260 Peak 1	0.5 ug/mL
							PCB-1260 Peak 2	0.5 ug/mL
							PCB-1260 Peak 3	0.5 ug/mL
							PCB-1260 Peak 4	0.5 ug/mL
							PCB-1260 Peak 5	0.5 ug/mL
							DCB Decachlorobiphenyl (Surr)	0.025 ug/mL
							Tetrachloro-m-xylene	0.025 ug/mL
.GC1660WORKS_00003	09/26/12	03/26/12	HEXANE, Lot 267547	10 mL	GCPCB1016STD_00002	1 mL	PCB-1016 Peak 1	100 ug/mL
							PCB-1016 Peak 2	100 ug/mL
							PCB-1016 Peak 3	100 ug/mL
							PCB-1016 Peak 4	100 ug/mL
							PCB-1016 Peak 5	100 ug/mL
					GCPCB1260STD_00002	1 mL	PCB-1260 Peak 1	100 ug/mL
							PCB-1260 Peak 2	100 ug/mL
							PCB-1260 Peak 3	100 ug/mL
							PCB-1260 Peak 4	100 ug/mL
							PCB-1260 Peak 5	100 ug/mL
					GCPEST(SURR)S_00001	0.25 mL	DCB Decachlorobiphenyl (Surr)	5 ug/mL
							Tetrachloro-m-xylene	5 ug/mL
..GCPCB1016STD_00002	12/31/13		Supelco, Lot LB78930		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
..GCPCB1260STD_00002	12/31/13		Supelco, Lot LB80264		(Purchased Reagent)		PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
..GCPEST(SURR)S_00001	01/30/15		RESTEK, Lot A053922		(Purchased Reagent)		DCB Decachlorobiphenyl (Surr)	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrachloro-m-xylene	200 ug/mL
GCAR1660CALL5_00003	09/26/12	03/26/12	HEAXNE, Lot 267547	200 mL	GC1660WORKS_00003	2 mL	PCB-1016	1 ug/mL
							PCB-1016 Peak 1	1 ug/mL
							PCB-1016 Peak 2	1 ug/mL
							PCB-1016 Peak 3	1 ug/mL
							PCB-1016 Peak 4	1 ug/mL
							PCB-1016 Peak 5	1 ug/mL
							PCB-1260	1 ug/mL
							PCB-1260 Peak 1	1 ug/mL
							PCB-1260 Peak 2	1 ug/mL
							PCB-1260 Peak 3	1 ug/mL
							PCB-1260 Peak 4	1 ug/mL
							PCB-1260 Peak 5	1 ug/mL
							DCB Decachlorobiphenyl (Surr)	0.05 ug/mL
							Tetrachloro-m-xylene	0.05 ug/mL
.GC1660WORKS_00003	09/26/12	03/26/12	HEXANE, Lot 267547	10 mL	GCPCB1016STD_00002	1 mL	PCB-1016	100 ug/mL
							PCB-1016 Peak 1	100 ug/mL
							PCB-1016 Peak 2	100 ug/mL
							PCB-1016 Peak 3	100 ug/mL
							PCB-1016 Peak 4	100 ug/mL
							PCB-1016 Peak 5	100 ug/mL
					GCPCB1260STD_00002	1 mL	PCB-1260	100 ug/mL
							PCB-1260 Peak 1	100 ug/mL
							PCB-1260 Peak 2	100 ug/mL
							PCB-1260 Peak 3	100 ug/mL
							PCB-1260 Peak 4	100 ug/mL
							PCB-1260 Peak 5	100 ug/mL
					GCPEST(SURR)S_00001	0.25 mL	DCB Decachlorobiphenyl (Surr)	5 ug/mL
							Tetrachloro-m-xylene	5 ug/mL
..GCPCB1016STD_00002	12/31/13	Supelco, Lot LB78930			(Purchased Reagent)		PCB-1016	1000 ug/mL
							PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
..GCPCB1260STD_00002	12/31/13	Supelco, Lot LB80264			(Purchased Reagent)		PCB-1260	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
..GCPEST(SURR)S_00001	01/30/15	RESTEK, Lot A053922			(Purchased Reagent)		DCB Decachlorobiphenyl (Surr)	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
GCAR1660CALL6_00003	09/26/12	03/26/12	Hexane, Lot 44181	100 mL	GC1660WORKS_00003	2 mL	PCB-1016 Peak 1	2 ug/mL
							PCB-1016 Peak 2	2 ug/mL
							PCB-1016 Peak 3	2 ug/mL
							PCB-1016 Peak 4	2 ug/mL
							PCB-1016 Peak 5	2 ug/mL
							PCB-1260 Peak 1	2 ug/mL
							PCB-1260 Peak 2	2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1260 Peak 3	2 ug/mL
							PCB-1260 Peak 4	2 ug/mL
							PCB-1260 Peak 5	2 ug/mL
							DCB Decachlorobiphenyl (Surr)	0.1 ug/mL
							Tetrachloro-m-xylene	0.1 ug/mL
.GC1660WORKS_00003	09/26/12	03/26/12	HEXANE, Lot 267547	10 mL	GCPCB1016STD_00002	1 mL	PCB-1016 Peak 1	100 ug/mL
							PCB-1016 Peak 2	100 ug/mL
							PCB-1016 Peak 3	100 ug/mL
							PCB-1016 Peak 4	100 ug/mL
							PCB-1016 Peak 5	100 ug/mL
					GCPCB1260STD_00002	1 mL	PCB-1260 Peak 1	100 ug/mL
							PCB-1260 Peak 2	100 ug/mL
							PCB-1260 Peak 3	100 ug/mL
							PCB-1260 Peak 4	100 ug/mL
							PCB-1260 Peak 5	100 ug/mL
					GCPEST(SURR)S_00001	0.25 mL	DCB Decachlorobiphenyl (Surr)	5 ug/mL
							Tetrachloro-m-xylene	5 ug/mL
..GCPCB1016STD_00002	12/31/13	Supelco, Lot LB78930			(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
..GCPCB1260STD_00002	12/31/13	Supelco, Lot LB80264			(Purchased Reagent)		PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
..GCPEST(SURR)S_00001	01/30/15	RESTEK, Lot A053922			(Purchased Reagent)		DCB Decachlorobiphenyl (Surr)	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
GCAR1660CALL7_00003	09/26/12	03/26/12	HEXANE, Lot 267547	100 mL	GC1660WORKS_00003	4 mL	PCB-1016 Peak 1	4 ug/mL
							PCB-1016 Peak 2	4 ug/mL
							PCB-1016 Peak 3	4 ug/mL
							PCB-1016 Peak 4	4 ug/mL
							PCB-1016 Peak 5	4 ug/mL
							PCB-1260 Peak 1	4 ug/mL
							PCB-1260 Peak 2	4 ug/mL
							PCB-1260 Peak 3	4 ug/mL
							PCB-1260 Peak 4	4 ug/mL
							PCB-1260 Peak 5	4 ug/mL
							DCB Decachlorobiphenyl (Surr)	0.2 ug/mL
							Tetrachloro-m-xylene	0.2 ug/mL
.GC1660WORKS_00003	09/26/12	03/26/12	HEXANE, Lot 267547	10 mL	GCPCB1016STD_00002	1 mL	PCB-1016 Peak 1	100 ug/mL
							PCB-1016 Peak 2	100 ug/mL
							PCB-1016 Peak 3	100 ug/mL
							PCB-1016 Peak 4	100 ug/mL
							PCB-1016 Peak 5	100 ug/mL
					GCPCB1260STD_00002	1 mL	PCB-1260 Peak 1	100 ug/mL
							PCB-1260 Peak 2	100 ug/mL
							PCB-1260 Peak 3	100 ug/mL
							PCB-1260 Peak 4	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1260 Peak 5	100 ug/mL
					GCPEST(SURR)S_00001	0.25 mL	DCB Decachlorobiphenyl (Surr)	5 ug/mL
							Tetrachloro-m-xylene	5 ug/mL
..GCPCB1016STD_00002	12/31/13		Supelco, Lot LB78930		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
..GCPCB1260STD_00002	12/31/13		Supelco, Lot LB80264		(Purchased Reagent)		PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
..GCPEST(SURR)S_00001	01/30/15		RESTEK, Lot A053922		(Purchased Reagent)		DCB Decachlorobiphenyl (Surr)	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
GCAR2154CALL4_00003	11/21/12	05/18/12	Hexane, Lot 267547	100 mL	GCAR1221STD_00001	0.05 mL	PCB-1221	0.5 ug/mL
					GCAR1254STD_00001	0.05 mL	PCB-1254	0.5 ug/mL
.GCAR1221STD_00001	01/31/14		SUPELCO, Lot LB80950		(Purchased Reagent)		PCB-1221	1000 ug/mL
.GCAR1254STD_00001	11/30/13		SUPELCO, Lot LB80263		(Purchased Reagent)		PCB-1254	1000 ug/mL
GCHERBCALSL1_00004	09/21/12	03/21/12	Hexane, Lot 267547	40 mL	GCHERBICALSTK_00003	0.04 mL	2,4,5-T	0.005 ug/mL
							2,4-D	0.02 ug/mL
							2,4-DB	0.02 ug/mL
							2,4-Dichlorophenylacetic acid	0.02 ug/mL
							Dalapon	0.01 ug/mL
							Dicamba	0.01 ug/mL
							Dichlorprop	0.02 ug/mL
							Dinoseb	0.003 ug/mL
							MCPA	2 ug/mL
							MCPP	2 ug/mL
							Pentachlorophenol	0.0025 ug/mL
							Silvex (2,4,5-TP)	0.005 ug/mL
.GCHERBICALSTK_00003	10/31/12	03/21/12	Hexane, Lot 34873	10 mL	GCHERBCALMIXA_00001	1 mL	2,4,5-T	5 ug/mL
							2,4-D	20 ug/mL
							2,4-DB	20 ug/mL
							2,4-Dichlorophenylacetic acid	20 ug/mL
							Dalapon	10 ug/mL
							Dicamba	10 ug/mL
							Dichlorprop	20 ug/mL
							Dinoseb	3 ug/mL
							MCPA	2000 ug/mL
							MCPP	2000 ug/mL
							Pentachlorophenol	2.5 ug/mL
							Silvex (2,4,5-TP)	5 ug/mL
..GCHERBCALMIXA_00001	10/31/12		RESTEK, Lot A081410		(Purchased Reagent)		2,4,5-T	50 ug/mL
							2,4-D	200 ug/mL
							2,4-DB	200 ug/mL
							2,4-Dichlorophenylacetic acid	200 ug/mL
							Dalapon	100 ug/mL
							Dicamba	100 ug/mL
							Dichlorprop	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dinoseb	30 ug/mL
							MCPA	20000 ug/mL
							MCPP	20000 ug/mL
							Pentachlorophenol	25 ug/mL
							Silvex (2,4,5-TP)	50 ug/mL
GCHERBCALSL2_00004	09/21/12	03/21/12	Hexane, Lot 267547	40 mL	GCHERBICALSTK_00003	0.08 mL	2,4,5-T	0.01 ug/mL
							2,4-D	0.04 ug/mL
							2,4-DB	0.04 ug/mL
							2,4-Dichlorophenylacetic acid	0.04 ug/mL
							Dalapon	0.02 ug/mL
							Dicamba	0.02 ug/mL
							Dichlorprop	0.04 ug/mL
							Dinoseb	0.006 ug/mL
							MCPA	4 ug/mL
							MCPP	4 ug/mL
							Pentachlorophenol	0.005 ug/mL
							Silvex (2,4,5-TP)	0.01 ug/mL
.GCHERBICALSTK_00003	10/31/12	03/21/12	Hexane, Lot 34873	10 mL	GCHERBCALMIXA_00001	1 mL	2,4,5-T	5 ug/mL
							2,4-D	20 ug/mL
							2,4-DB	20 ug/mL
							2,4-Dichlorophenylacetic acid	20 ug/mL
							Dalapon	10 ug/mL
							Dicamba	10 ug/mL
							Dichlorprop	20 ug/mL
							Dinoseb	3 ug/mL
							MCPA	2000 ug/mL
							MCPP	2000 ug/mL
							Pentachlorophenol	2.5 ug/mL
							Silvex (2,4,5-TP)	5 ug/mL
..GCHERBCALMIXA_00001	10/31/12	RESTEK, Lot A081410			(Purchased Reagent)		2,4,5-T	50 ug/mL
							2,4-D	200 ug/mL
							2,4-DB	200 ug/mL
							2,4-Dichlorophenylacetic acid	200 ug/mL
							Dalapon	100 ug/mL
							Dicamba	100 ug/mL
							Dichlorprop	200 ug/mL
							Dinoseb	30 ug/mL
							MCPA	20000 ug/mL
							MCPP	20000 ug/mL
							Pentachlorophenol	25 ug/mL
							Silvex (2,4,5-TP)	50 ug/mL
GCHERBCALSL3_00004	09/21/12	03/21/12	Hexane, Lot 267547	100 mL	GCHERBICALSTK_00003	0.4 mL	2,4,5-T	0.02 ug/mL
							2,4-D	0.08 ug/mL
							2,4-DB	0.08 ug/mL
							2,4-Dichlorophenylacetic acid	0.08 ug/mL
							Dalapon	0.04 ug/mL
							Dicamba	0.04 ug/mL
							Dichlorprop	0.08 ug/mL
							Dinoseb	0.012 ug/mL
							MCPA	8 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							MCPP	8 ug/mL
							Pentachlorophenol	0.01 ug/mL
							Silvex (2,4,5-TP)	0.02 ug/mL
.GCHERBICALSTK_00003	10/31/12	03/21/12	Hexane, Lot 34873	10 mL	GCHERBCALMIXA_00001	1 mL	2,4,5-T	5 ug/mL
							2,4-D	20 ug/mL
							2,4-DB	20 ug/mL
							2,4-Dichlorophenylacetic acid	20 ug/mL
							Dalapon	10 ug/mL
							Dicamba	10 ug/mL
							Dichlorprop	20 ug/mL
							Dinoseb	3 ug/mL
							MCPA	2000 ug/mL
							MCPP	2000 ug/mL
							Pentachlorophenol	2.5 ug/mL
							Silvex (2,4,5-TP)	5 ug/mL
..GCHERBCALMIXA_00001	10/31/12	RESTEK, Lot A081410			(Purchased Reagent)		2,4,5-T	50 ug/mL
							2,4-D	200 ug/mL
							2,4-DB	200 ug/mL
							2,4-Dichlorophenylacetic acid	200 ug/mL
							Dalapon	100 ug/mL
							Dicamba	100 ug/mL
							Dichlorprop	200 ug/mL
							Dinoseb	30 ug/mL
							MCPA	20000 ug/mL
							MCPP	20000 ug/mL
							Pentachlorophenol	25 ug/mL
							Silvex (2,4,5-TP)	50 ug/mL
GCHERBCALSL4_00004	09/21/12	03/21/12	Hexane, Lot 267547	40 mL	GCHERBICALSTK_00003	0.32 mL	2,4,5-T	0.04 ug/mL
							2,4-D	0.16 ug/mL
							2,4-DB	0.16 ug/mL
							2,4-Dichlorophenylacetic acid	0.16 ug/mL
							Dalapon	0.08 ug/mL
							Dicamba	0.08 ug/mL
							Dichlorprop	0.16 ug/mL
							Dinoseb	0.024 ug/mL
							MCPA	16 ug/mL
							MCPP	16 ug/mL
							Pentachlorophenol	0.02 ug/mL
							Silvex (2,4,5-TP)	0.04 ug/mL
.GCHERBICALSTK_00003	10/31/12	03/21/12	Hexane, Lot 34873	10 mL	GCHERBCALMIXA_00001	1 mL	2,4,5-T	5 ug/mL
							2,4-D	20 ug/mL
							2,4-DB	20 ug/mL
							2,4-Dichlorophenylacetic acid	20 ug/mL
							Dalapon	10 ug/mL
							Dicamba	10 ug/mL
							Dichlorprop	20 ug/mL
							Dinoseb	3 ug/mL
							MCPA	2000 ug/mL
							MCPP	2000 ug/mL
							Pentachlorophenol	2.5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Silvex (2,4,5-TP)	5 ug/mL
..GCHERBCALMIXA_00001	10/31/12		RESTEK, Lot A081410		(Purchased Reagent)		2,4,5-T	50 ug/mL
							2,4-D	200 ug/mL
							2,4-DB	200 ug/mL
							2,4-Dichlorophenylacetic acid	200 ug/mL
							Dalapon	100 ug/mL
							Dicamba	100 ug/mL
							Dichlorprop	200 ug/mL
							Dinoseb	30 ug/mL
							MCPA	20000 ug/mL
							MCPP	20000 ug/mL
							Pentachlorophenol	25 ug/mL
							Silvex (2,4,5-TP)	50 ug/mL
GCHERBCALSL5_00004	09/21/12	03/21/12	Hexane, Lot 267547	40 mL	GCHERBICALSTK_00003	0.64 mL	2,4,5-T	0.08 ug/mL
							2,4-D	0.32 ug/mL
							2,4-DB	0.32 ug/mL
							2,4-Dichlorophenylacetic acid	0.32 ug/mL
							Dalapon	0.16 ug/mL
							Dicamba	0.16 ug/mL
							Dichlorprop	0.32 ug/mL
							Dinoseb	0.048 ug/mL
							MCPA	32 ug/mL
							MCPP	32 ug/mL
							Pentachlorophenol	0.04 ug/mL
							Silvex (2,4,5-TP)	0.08 ug/mL
.GCHERBICALSTK_00003	10/31/12	03/21/12	Hexane, Lot 34873	10 mL	GCHERBCALMIXA_00001	1 mL	2,4,5-T	5 ug/mL
							2,4-D	20 ug/mL
							2,4-DB	20 ug/mL
							2,4-Dichlorophenylacetic acid	20 ug/mL
							Dalapon	10 ug/mL
							Dicamba	10 ug/mL
							Dichlorprop	20 ug/mL
							Dinoseb	3 ug/mL
							MCPA	2000 ug/mL
							MCPP	2000 ug/mL
							Pentachlorophenol	2.5 ug/mL
							Silvex (2,4,5-TP)	5 ug/mL
..GCHERBCALMIXA_00001	10/31/12		RESTEK, Lot A081410		(Purchased Reagent)		2,4,5-T	50 ug/mL
							2,4-D	200 ug/mL
							2,4-DB	200 ug/mL
							2,4-Dichlorophenylacetic acid	200 ug/mL
							Dalapon	100 ug/mL
							Dicamba	100 ug/mL
							Dichlorprop	200 ug/mL
							Dinoseb	30 ug/mL
							MCPA	20000 ug/mL
							MCPP	20000 ug/mL
							Pentachlorophenol	25 ug/mL
							Silvex (2,4,5-TP)	50 ug/mL
GCMATRIXWORKS_00005	02/09/13	08/09/12	ACETONE, Lot OP0015-11	125 mL	GCMATRIXSPK_00001	0.5 mL	PCB-1016	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1260	40 ug/mL
.GCMATRIXSPK_00001	09/30/17		RESTEK, Lot A076606		(Purchased Reagent)		PCB-1016	10000 ug/mL
							PCB-1260	10000 ug/mL
GCPest L1_00007	08/30/12	08/30/11	Hexane, Lot 44181	40 mL	GCPestCAL_00006	0.004 mL	DCB Decachlorobiphenyl (Surr)	0.001 ug/mL
							Tetrachloro-m-xylene	0.001 ug/mL
							4,4'-DDD	0.001 ug/mL
							4,4'-DDE	0.001 ug/mL
							4,4'-DDT	0.001 ug/mL
							Aldrin	0.001 ug/mL
							alpha-BHC	0.001 ug/mL
							alpha-Chlordane	0.001 ug/mL
							beta-BHC	0.001 ug/mL
							delta-BHC	0.001 ug/mL
							Dieldrin	0.001 ug/mL
							Endosulfan I	0.001 ug/mL
							Endosulfan II	0.001 ug/mL
							Endosulfan sulfate	0.001 ug/mL
							Endrin	0.001 ug/mL
							Endrin aldehyde	0.001 ug/mL
							Endrin ketone	0.001 ug/mL
							gamma-BHC (Lindane)	0.001 ug/mL
							gamma-Chlordane	0.001 ug/mL
							Heptachlor	0.001 ug/mL
							Heptachlor epoxide	0.001 ug/mL
							Methoxychlor	0.001 ug/mL
.GCPestCAL_00006	08/30/12	08/30/12	Hexane, Lot 44181	20 mL	GCPEST(SURR)S_00003	1 mL	DCB Decachlorobiphenyl (Surr)	10 ug/mL
							Tetrachloro-m-xylene	10 ug/mL
					GCPest200ms_00001	1 mL	4,4'-DDD	10 ug/mL
							4,4'-DDE	10 ug/mL
							4,4'-DDT	10 ug/mL
							Aldrin	10 ug/mL
							alpha-BHC	10 ug/mL
							alpha-Chlordane	10 ug/mL
							beta-BHC	10 ug/mL
							delta-BHC	10 ug/mL
							Dieldrin	10 ug/mL
							Endosulfan I	10 ug/mL
							Endosulfan II	10 ug/mL
							Endosulfan sulfate	10 ug/mL
							Endrin	10 ug/mL
							Endrin aldehyde	10 ug/mL
							Endrin ketone	10 ug/mL
							gamma-BHC (Lindane)	10 ug/mL
							gamma-Chlordane	10 ug/mL
							Heptachlor	10 ug/mL
							Heptachlor epoxide	10 ug/mL
							Methoxychlor	10 ug/mL
..GCPEST(SURR)S_00003	01/30/17		RESTEK, Lot A069056		(Purchased Reagent)		DCB Decachlorobiphenyl (Surr)	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
..GCPest200ms_00001	02/28/13		RESTEK, Lot A065847		(Purchased Reagent)		4,4'-DDD	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4,4'-DDE	200 ug/mL
							4,4'-DDT	200 ug/mL
							Aldrin	200 ug/mL
							alpha-BHC	200 ug/mL
							alpha-Chlordane	200 ug/mL
							beta-BHC	200 ug/mL
							delta-BHC	200 ug/mL
							Dieldrin	200 ug/mL
							Endosulfan I	200 ug/mL
							Endosulfan II	200 ug/mL
							Endosulfan sulfate	200 ug/mL
							Endrin	200 ug/mL
							Endrin aldehyde	200 ug/mL
							Endrin ketone	200 ug/mL
							gamma-BHC (Lindane)	200 ug/mL
							gamma-Chlordane	200 ug/mL
							Heptachlor	200 ug/mL
							Heptachlor epoxide	200 ug/mL
							Methoxychlor	200 ug/mL
GCPestL2_00006	08/30/12	08/30/11	Hexane, Lot 44181	40 mL	GCPestCAL_00006	0.02 mL	DCB Decachlorobiphenyl (Surr)	0.005 ug/mL
							Tetrachloro-m-xylene	0.005 ug/mL
							4,4'-DDD	0.005 ug/mL
							4,4'-DDE	0.005 ug/mL
							4,4'-DDT	0.005 ug/mL
							Aldrin	0.005 ug/mL
							alpha-BHC	0.005 ug/mL
							alpha-Chlordane	0.005 ug/mL
							beta-BHC	0.005 ug/mL
							delta-BHC	0.005 ug/mL
							Dieldrin	0.005 ug/mL
							Endosulfan I	0.005 ug/mL
							Endosulfan II	0.005 ug/mL
							Endosulfan sulfate	0.005 ug/mL
							Endrin	0.005 ug/mL
							Endrin aldehyde	0.005 ug/mL
							Endrin ketone	0.005 ug/mL
							gamma-BHC (Lindane)	0.005 ug/mL
							gamma-Chlordane	0.005 ug/mL
							Heptachlor	0.005 ug/mL
							Heptachlor epoxide	0.005 ug/mL
							Methoxychlor	0.005 ug/mL
.GCPestCAL_00006	08/30/12	08/30/12	Hexane, Lot 44181	20 mL	GCPEST(SURR)S_00003	1 mL	DCB Decachlorobiphenyl (Surr)	10 ug/mL
							Tetrachloro-m-xylene	10 ug/mL
					GCPest200ms_00001	1 mL	4,4'-DDD	10 ug/mL
							4,4'-DDE	10 ug/mL
							4,4'-DDT	10 ug/mL
							Aldrin	10 ug/mL
							alpha-BHC	10 ug/mL
							alpha-Chlordane	10 ug/mL
							beta-BHC	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							delta-BHC	10 ug/mL
							Dieldrin	10 ug/mL
							Endosulfan I	10 ug/mL
							Endosulfan II	10 ug/mL
							Endosulfan sulfate	10 ug/mL
							Endrin	10 ug/mL
							Endrin aldehyde	10 ug/mL
							Endrin ketone	10 ug/mL
							gamma-BHC (Lindane)	10 ug/mL
							gamma-Chlordane	10 ug/mL
							Heptachlor	10 ug/mL
							Heptachlor epoxide	10 ug/mL
							Methoxychlor	10 ug/mL
..GCPEST(SURR)S_00003	01/30/17		RESTEK, Lot A069056		(Purchased Reagent)		DCB Decachlorobiphenyl (Surr)	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
..GCPest200ms_00001	02/28/13		RESTEK, Lot A065847		(Purchased Reagent)		4,4'-DDD	200 ug/mL
							4,4'-DDE	200 ug/mL
							4,4'-DDT	200 ug/mL
							Aldrin	200 ug/mL
							alpha-BHC	200 ug/mL
							alpha-Chlordane	200 ug/mL
							beta-BHC	200 ug/mL
							delta-BHC	200 ug/mL
							Dieldrin	200 ug/mL
							Endosulfan I	200 ug/mL
							Endosulfan II	200 ug/mL
							Endosulfan sulfate	200 ug/mL
							Endrin	200 ug/mL
							Endrin aldehyde	200 ug/mL
							Endrin ketone	200 ug/mL
							gamma-BHC (Lindane)	200 ug/mL
							gamma-Chlordane	200 ug/mL
							Heptachlor	200 ug/mL
							Heptachlor epoxide	200 ug/mL
							Methoxychlor	200 ug/mL
GCPestL3_00006	08/30/12	08/30/11	Hexane, Lot 44181	100 mL	GCPestCAL_00006	0.25 mL	DCB Decachlorobiphenyl (Surr)	0.025 ug/mL
							Tetrachloro-m-xylene	0.025 ug/mL
							4,4'-DDD	0.025 ug/mL
							4,4'-DDE	0.025 ug/mL
							4,4'-DDT	0.025 ug/mL
							Aldrin	0.025 ug/mL
							alpha-BHC	0.025 ug/mL
							alpha-Chlordane	0.025 ug/mL
							beta-BHC	0.025 ug/mL
							delta-BHC	0.025 ug/mL
							Dieldrin	0.025 ug/mL
							Endosulfan I	0.025 ug/mL
							Endosulfan II	0.025 ug/mL
							Endosulfan sulfate	0.025 ug/mL
							Endrin	0.025 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Endrin aldehyde	0.025 ug/mL
							Endrin ketone	0.025 ug/mL
							gamma-BHC (Lindane)	0.025 ug/mL
							gamma-Chlordane	0.025 ug/mL
							Heptachlor	0.025 ug/mL
							Heptachlor epoxide	0.025 ug/mL
							Methoxychlor	0.025 ug/mL
.GCPestCAL_00006	08/30/12	08/30/12	Hexane, Lot 44181	20 mL	GCPEST(SURR)S_00003	1 mL	DCB Decachlorobiphenyl (Surr)	10 ug/mL
							Tetrachloro-m-xylene	10 ug/mL
					GCPest200ms_00001	1 mL	4,4'-DDD	10 ug/mL
							4,4'-DDE	10 ug/mL
							4,4'-DDT	10 ug/mL
							Aldrin	10 ug/mL
							alpha-BHC	10 ug/mL
							alpha-Chlordane	10 ug/mL
							beta-BHC	10 ug/mL
							delta-BHC	10 ug/mL
							Dieldrin	10 ug/mL
							Endosulfan I	10 ug/mL
							Endosulfan II	10 ug/mL
							Endosulfan sulfate	10 ug/mL
							Endrin	10 ug/mL
							Endrin aldehyde	10 ug/mL
							Endrin ketone	10 ug/mL
							gamma-BHC (Lindane)	10 ug/mL
							gamma-Chlordane	10 ug/mL
							Heptachlor	10 ug/mL
							Heptachlor epoxide	10 ug/mL
							Methoxychlor	10 ug/mL
..GCPEST(SURR)S_00003	01/30/17	RESTEK, Lot A069056			(Purchased Reagent)		DCB Decachlorobiphenyl (Surr)	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
..GCPest200ms_00001	02/28/13	RESTEK, Lot A065847			(Purchased Reagent)		4,4'-DDD	200 ug/mL
							4,4'-DDE	200 ug/mL
							4,4'-DDT	200 ug/mL
							Aldrin	200 ug/mL
							alpha-BHC	200 ug/mL
							alpha-Chlordane	200 ug/mL
							beta-BHC	200 ug/mL
							delta-BHC	200 ug/mL
							Dieldrin	200 ug/mL
							Endosulfan I	200 ug/mL
							Endosulfan II	200 ug/mL
							Endosulfan sulfate	200 ug/mL
							Endrin	200 ug/mL
							Endrin aldehyde	200 ug/mL
							Endrin ketone	200 ug/mL
							gamma-BHC (Lindane)	200 ug/mL
							gamma-Chlordane	200 ug/mL
							Heptachlor	200 ug/mL
							Heptachlor epoxide	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methoxychlor	200 ug/mL
GCPestL4_00006	08/30/12	08/30/11	Hexane, Lot 44181	40 mL	GCPestCAL_00006	0.2 mL	DCB Decachlorobiphenyl (Surr)	0.05 ug/mL
							Tetrachloro-m-xylene	0.05 ug/mL
							4,4'-DDD	0.05 ug/mL
							4,4'-DDE	0.05 ug/mL
							4,4'-DDT	0.05 ug/mL
							Aldrin	0.05 ug/mL
							alpha-BHC	0.05 ug/mL
							alpha-Chlordane	0.05 ug/mL
							beta-BHC	0.05 ug/mL
							delta-BHC	0.05 ug/mL
							Dieldrin	0.05 ug/mL
							Endosulfan I	0.05 ug/mL
							Endosulfan II	0.05 ug/mL
							Endosulfan sulfate	0.05 ug/mL
							Endrin	0.05 ug/mL
							Endrin aldehyde	0.05 ug/mL
							Endrin ketone	0.05 ug/mL
							gamma-BHC (Lindane)	0.05 ug/mL
							gamma-Chlordane	0.05 ug/mL
							Heptachlor	0.05 ug/mL
							Heptachlor epoxide	0.05 ug/mL
							Methoxychlor	0.05 ug/mL
.GCPestCAL_00006	08/30/12	08/30/12	Hexane, Lot 44181	20 mL	GCPEST(SURR)S_00003	1 mL	DCB Decachlorobiphenyl (Surr)	10 ug/mL
							Tetrachloro-m-xylene	10 ug/mL
					GCPest200ms_00001	1 mL	4,4'-DDD	10 ug/mL
							4,4'-DDE	10 ug/mL
							4,4'-DDT	10 ug/mL
							Aldrin	10 ug/mL
							alpha-BHC	10 ug/mL
							alpha-Chlordane	10 ug/mL
							beta-BHC	10 ug/mL
							delta-BHC	10 ug/mL
							Dieldrin	10 ug/mL
							Endosulfan I	10 ug/mL
							Endosulfan II	10 ug/mL
							Endosulfan sulfate	10 ug/mL
							Endrin	10 ug/mL
							Endrin aldehyde	10 ug/mL
							Endrin ketone	10 ug/mL
							gamma-BHC (Lindane)	10 ug/mL
							gamma-Chlordane	10 ug/mL
							Heptachlor	10 ug/mL
							Heptachlor epoxide	10 ug/mL
							Methoxychlor	10 ug/mL
..GCPEST(SURR)S_00003	01/30/17	RESTEK, Lot A069056			(Purchased Reagent)		DCB Decachlorobiphenyl (Surr)	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
..GCPest200ms_00001	02/28/13	RESTEK, Lot A065847			(Purchased Reagent)		4,4'-DDD	200 ug/mL
							4,4'-DDE	200 ug/mL
							4,4'-DDT	200 ug/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Aldrin	200 ug/mL
							alpha-BHC	200 ug/mL
							alpha-Chlordane	200 ug/mL
							beta-BHC	200 ug/mL
							delta-BHC	200 ug/mL
							Dieldrin	200 ug/mL
							Endosulfan I	200 ug/mL
							Endosulfan II	200 ug/mL
							Endosulfan sulfate	200 ug/mL
							Endrin	200 ug/mL
							Endrin aldehyde	200 ug/mL
							Endrin ketone	200 ug/mL
							gamma-BHC (Lindane)	200 ug/mL
							gamma-Chlordane	200 ug/mL
							Heptachlor	200 ug/mL
							Heptachlor epoxide	200 ug/mL
							Methoxychlor	200 ug/mL
GCPestL5_00006	08/30/12	08/30/11	Hexane, Lot 44181	40 mL	GCPestCAL_00006	0.4 mL	DCB Decachlorobiphenyl (Surr)	0.1 ug/mL
							Tetrachloro-m-xylene	0.1 ug/mL
							4,4'-DDD	0.1 ug/mL
							4,4'-DDE	0.1 ug/mL
							4,4'-DDT	0.1 ug/mL
							Aldrin	0.1 ug/mL
							alpha-BHC	0.1 ug/mL
							alpha-Chlordane	0.1 ug/mL
							beta-BHC	0.1 ug/mL
							delta-BHC	0.1 ug/mL
							Dieldrin	0.1 ug/mL
							Endosulfan I	0.1 ug/mL
							Endosulfan II	0.1 ug/mL
							Endosulfan sulfate	0.1 ug/mL
							Endrin	0.1 ug/mL
							Endrin aldehyde	0.1 ug/mL
							Endrin ketone	0.1 ug/mL
							gamma-BHC (Lindane)	0.1 ug/mL
							gamma-Chlordane	0.1 ug/mL
							Heptachlor	0.1 ug/mL
							Heptachlor epoxide	0.1 ug/mL
							Methoxychlor	0.1 ug/mL
.GCPestCAL_00006	08/30/12	08/30/12	Hexane, Lot 44181	20 mL	GCPEST(SURR)S_00003	1 mL	DCB Decachlorobiphenyl (Surr)	10 ug/mL
							Tetrachloro-m-xylene	10 ug/mL
					GCPest200ms_00001	1 mL	4,4'-DDD	10 ug/mL
							4,4'-DDE	10 ug/mL
							4,4'-DDT	10 ug/mL
							Aldrin	10 ug/mL
							alpha-BHC	10 ug/mL
							alpha-Chlordane	10 ug/mL
							beta-BHC	10 ug/mL
							delta-BHC	10 ug/mL
							Dieldrin	10 ug/mL

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Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Endosulfan I	10 ug/mL
							Endosulfan II	10 ug/mL
							Endosulfan sulfate	10 ug/mL
							Endrin	10 ug/mL
							Endrin aldehyde	10 ug/mL
							Endrin ketone	10 ug/mL
							gamma-BHC (Lindane)	10 ug/mL
							gamma-Chlordane	10 ug/mL
							Heptachlor	10 ug/mL
							Heptachlor epoxide	10 ug/mL
							Methoxychlor	10 ug/mL
..GCPEST(SURR)S_00003	01/30/17		RESTEK, Lot A069056		(Purchased Reagent)		DCB Decachlorobiphenyl (Surr)	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
..GCPest200ms_00001	02/28/13		RESTEK, Lot A065847		(Purchased Reagent)		4,4'-DDD	200 ug/mL
							4,4'-DDE	200 ug/mL
							4,4'-DDT	200 ug/mL
							Aldrin	200 ug/mL
							alpha-BHC	200 ug/mL
							alpha-Chlordane	200 ug/mL
							beta-BHC	200 ug/mL
							delta-BHC	200 ug/mL
							Dieldrin	200 ug/mL
							Endosulfan I	200 ug/mL
							Endosulfan II	200 ug/mL
							Endosulfan sulfate	200 ug/mL
							Endrin	200 ug/mL
							Endrin aldehyde	200 ug/mL
							Endrin ketone	200 ug/mL
							gamma-BHC (Lindane)	200 ug/mL
							gamma-Chlordane	200 ug/mL
							Heptachlor	200 ug/mL
							Heptachlor epoxide	200 ug/mL
							Methoxychlor	200 ug/mL
GCPestL6_00006	08/30/12	08/30/11	Hexane, Lot 44181	40 mL	GCPestCAL_00006	0.8 mL	DCB Decachlorobiphenyl (Surr)	0.2 ug/mL
							Tetrachloro-m-xylene	0.2 ug/mL
							4,4'-DDD	0.2 ug/mL
							4,4'-DDE	0.2 ug/mL
							4,4'-DDT	0.2 ug/mL
							Aldrin	0.2 ug/mL
							alpha-BHC	0.2 ug/mL
							alpha-Chlordane	0.2 ug/mL
							beta-BHC	0.2 ug/mL
							delta-BHC	0.2 ug/mL
							Dieldrin	0.2 ug/mL
							Endosulfan I	0.2 ug/mL
							Endosulfan II	0.2 ug/mL
							Endosulfan sulfate	0.2 ug/mL
							Endrin	0.2 ug/mL
							Endrin aldehyde	0.2 ug/mL
							Endrin ketone	0.2 ug/mL

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Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							gamma-BHC (Lindane)	0.2 ug/mL
							gamma-Chlordane	0.2 ug/mL
							Heptachlor	0.2 ug/mL
							Heptachlor epoxide	0.2 ug/mL
							Methoxychlor	0.2 ug/mL
.GCPestCAL_00006	08/30/12	08/30/12	Hexane, Lot 44181	20 mL	GCPEST(SURR)S_00003	1 mL	DCB Decachlorobiphenyl (Surr)	10 ug/mL
							Tetrachloro-m-xylene	10 ug/mL
					GCPest200ms_00001	1 mL	4,4'-DDD	10 ug/mL
							4,4'-DDE	10 ug/mL
							4,4'-DDT	10 ug/mL
							Aldrin	10 ug/mL
							alpha-BHC	10 ug/mL
							alpha-Chlordane	10 ug/mL
							beta-BHC	10 ug/mL
							delta-BHC	10 ug/mL
							Dieldrin	10 ug/mL
							Endosulfan I	10 ug/mL
							Endosulfan II	10 ug/mL
							Endosulfan sulfate	10 ug/mL
							Endrin	10 ug/mL
							Endrin aldehyde	10 ug/mL
							Endrin ketone	10 ug/mL
							gamma-BHC (Lindane)	10 ug/mL
							gamma-Chlordane	10 ug/mL
							Heptachlor	10 ug/mL
							Heptachlor epoxide	10 ug/mL
							Methoxychlor	10 ug/mL
..GCPEST(SURR)S_00003	01/30/17	RESTEK, Lot A069056			(Purchased Reagent)		DCB Decachlorobiphenyl (Surr)	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
..GCPest200ms_00001	02/28/13	RESTEK, Lot A065847			(Purchased Reagent)		4,4'-DDD	200 ug/mL
							4,4'-DDE	200 ug/mL
							4,4'-DDT	200 ug/mL
							Aldrin	200 ug/mL
							alpha-BHC	200 ug/mL
							alpha-Chlordane	200 ug/mL
							beta-BHC	200 ug/mL
							delta-BHC	200 ug/mL
							Dieldrin	200 ug/mL
							Endosulfan I	200 ug/mL
							Endosulfan II	200 ug/mL
							Endosulfan sulfate	200 ug/mL
							Endrin	200 ug/mL
							Endrin aldehyde	200 ug/mL
							Endrin ketone	200 ug/mL
							gamma-BHC (Lindane)	200 ug/mL
							gamma-Chlordane	200 ug/mL
							Heptachlor	200 ug/mL
							Heptachlor epoxide	200 ug/mL
							Methoxychlor	200 ug/mL
GCPESTPEMSTD_00005	09/01/12	03/01/12	Hexane, Lot 44181	20 mL	GCCLPCARSTK_00002	1 mL	DCB Decachlorobiphenyl (Surr)	0.025 ug/mL

REAGENT TRACEABILITY SUMMARY

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrachloro-m-xylene	0.025 ug/mL
					GCPEST(PEM)S_00004	0.05 mL	4,4'-DDT	0.05 ug/mL
							Endrin	0.025 ug/mL
.GCCLPSURRSTK_00002	09/28/12	09/28/11	Hexane, Lot 44181	40 mL	GCPEST(SURR)S_00001	1 mL	DCB Decachlorobiphenyl (Surr)	5 ug/mL
							Tetrachloro-m-xylene	5 ug/mL
..GCPEST(SURR)S_00001	01/30/15	RESTEK, Lot A053922			(Purchased Reagent)		DCB Decachlorobiphenyl (Surr)	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
.GCPEST(PEM)S_00004	02/28/14	RESTEK, Lot A061414			(Purchased Reagent)		4,4'-DDT	200 ug/mL
							Endrin	100 ug/mL
GCTOXL3STD_00005	07/23/12	01/23/12	Hexane, Lot OP0198-11	40 mL	GCCLPSURRSTK_00002	0.2 mL	DCB Decachlorobiphenyl (Surr)	0.025 ug/mL
							Tetrachloro-m-xylene	0.025 ug/mL
					GCPEST(TOX)S_00002	0.04 mL	Toxaphene Peak 1	1 ug/mL
							Toxaphene Peak 2	1 ug/mL
							Toxaphene Peak 3	1 ug/mL
							Toxaphene Peak 4	1 ug/mL
.GCCLPSURRSTK_00002	09/28/12	09/28/11	Hexane, Lot 44181	40 mL	GCPEST(SURR)S_00001	1 mL	DCB Decachlorobiphenyl (Surr)	5 ug/mL
							Tetrachloro-m-xylene	5 ug/mL
..GCPEST(SURR)S_00001	01/30/15	RESTEK, Lot A053922			(Purchased Reagent)		DCB Decachlorobiphenyl (Surr)	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
.GCPEST(TOX)S_00002	07/20/13	RESTEK, Lot A067190			(Purchased Reagent)		Toxaphene Peak 1	1000 ug/mL
							Toxaphene Peak 2	1000 ug/mL
							Toxaphene Peak 3	1000 ug/mL
							Toxaphene Peak 4	1000 ug/mL
MCCV1X_00023	08/31/12	07/31/12	DI Water, Lot K35N55	500 mL	MCALSPECAREV_00003	10 mL	Arsenic	0.1 ppm
							Barium	0.1 ppm
							Cadmium	0.1 ppm
							Chromium	0.1 ppm
							Lead	0.1 ppm
							Selenium	0.1 ppm
							Silver	0.1 ppm
.MCALSPECAREV_00003	04/01/13	Inorganic Ventures, Lot F2-MEB415031			(Purchased Reagent)		Arsenic	5 ppm
							Barium	5 ppm
							Cadmium	5 ppm
							Chromium	5 ppm
							Lead	5 ppm
							Selenium	5 ppm
							Silver	5 ppm
MCCV1X_00024	09/21/12	08/21/12	DI Water, Lot K35N55	500 mL	MCALSPECAREV_00003	10 mL	Arsenic	0.1 ppm
							Barium	0.1 ppm
							Iron	25 ppm
							Lead	0.1 ppm
							Manganese	0.5 ppm
							Vanadium	0.1 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

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MCRIX_00017	09/16/12	08/16/12	HNO3, Lot K09N65	250 mL	MMSCRI-1B_00001	1 mL	Arsenic	0.001 ppm
							Barium	0.01 ppm
							Cadmium	0.001 ppm
							Chromium	0.002 ppm
							Iron	0.05 ppm
							Lead	0.001 ppm
							Manganese	0.005 ppm
							Selenium	0.005 ppm
							Silver	0.001 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
							Cadmium	0.25 ppm
							Chromium	0.5 ppm
							Iron	12.5 ppm
							Lead	0.25 ppm
							Manganese	1.25 ppm
							Selenium	1.25 ppm
							Silver	0.25 ppm
							Vanadium	0.25 ppm
MICPMSICV_00010	08/31/12	07/31/12	2% Nitric Acid, Lot K09N65	250 mg/L	MICPMSICV_00005	10 mg/L	Arsenic	0.08 mg/L
							Barium	0.08 mg/L
							Cadmium	0.08 mg/L
							Chromium	0.08 mg/L
							Iron	20 mg/L
							Lead	0.08 mg/L
							Manganese	0.4 mg/L
							Selenium	0.08 mg/L
							Silver	0.08 mg/L
							Vanadium	0.08 mg/L
.MICPMSICV_00005	12/30/12	SPEX CertiPrep, Lot 26-209JB			(Purchased Reagent)		Arsenic	2 ppm
							Barium	2 ppm
							Cadmium	2 ppm
							Chromium	2 ppm
							Iron	500 ppm
							Lead	2 ppm
							Manganese	10 ppm
							Selenium	2 ppm
							Silver	2 ppm
							Vanadium	2 ppm
MICSABX_00019	08/25/12	07/25/12	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	Arsenic	0.02 ppm

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Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Cadmium	0.02 ppm
							Chromium	0.02 ppm
							Co	0.02 ppm
							Cu	0.02 ppm
							Manganese	0.0225 ppm
							Ni	0.02 ppm
							Silver	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
							Selenium	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
							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)		Arsenic	2 ppm
							Cadmium	2 ppm
							Chromium	2 ppm
							Co	2 ppm
							Cu	2 ppm
							Manganese	2.25 ppm
							Ni	2 ppm
							Silver	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
							Selenium	25 ppm
							Si	250 ppm
							Sn	50 ppm
MICSABX_00020	09/16/12	08/16/12	DI Water, Lot J38N82	100 mL	M6020ICS-0A_00002	10 mL	Al	100 ppm
							Ca	100 ppm
							Iron	100 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							K	100 ppm
							Mg	100 ppm
							Mo	2 ppm
							Na	100 ppm
							Ti	2 ppm
					M6020ICS-0B_00003	1 mL	Arsenic	0.02 ppm
							Cadmium	0.02 ppm
							Chromium	0.02 ppm
							Co	0.02 ppm
							Cu	0.02 ppm
							Manganese	0.0225 ppm
							Ni	0.02 ppm
							Silver	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
							Selenium	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
							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)		Arsenic	2 ppm
							Cadmium	2 ppm
							Chromium	2 ppm
							Co	2 ppm
							Cu	2 ppm
							Manganese	2.25 ppm
							Ni	2 ppm
							Silver	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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Selenium	25 ppm
							Si	250 ppm
							Sn	50 ppm
MICSAX_00016	08/25/12	07/25/12	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
MICSAX_00017	09/16/12	08/16/12	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
MPHOSSPIKE_00006	02/07/13	08/07/12	DI Water, Lot NA	50 mL	MCGP1-1_00005	5 mL	P	100 ppm
.MCGP1-1_00005	08/01/13	Inorganic Ventures, Lot E2-P02036			(Purchased Reagent)		P	1000 ppm
MSTD2X_00012	08/31/12	07/31/12	DI Water, Lot K35N55	250 mL	MCALSPECAREV_00003	10 mL	Arsenic	0.2 ppm
							Barium	0.2 ppm
							Cadmium	0.2 ppm
							Chromium	0.2 ppm
							Iron	50 ppm
							Lead	0.2 ppm
							Manganese	1 ppm
							Selenium	0.2 ppm
							Silver	0.2 ppm
							Vanadium	0.2 ppm
.MCALSPECAREV_00003	04/01/13	Inorganic Ventures, Lot F2-MEB415031			(Purchased Reagent)		Arsenic	5 ppm
							Barium	5 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Cadmium	5 ppm
							Chromium	5 ppm
							Iron	1250 ppm
							Lead	5 ppm
							Manganese	25 ppm
							Selenium	5 ppm
							Silver	5 ppm
							Vanadium	5 ppm
MTAPITTICPMS_00009	07/01/13	INORGANIC VENTURES, Lot F2-MEB410066			(Purchased Reagent)		Al	200 ug/mL
							Arsenic	4 ug/mL
							B	100 ug/mL
							Barium	200 ug/mL
							Be	5 ug/mL
							Cadmium	5 ug/mL
							Chromium	20 ug/mL
							Co	50 ug/mL
							Cu	25 ug/mL
							Iron	100 ug/mL
							Lead	2 ug/mL
							Manganese	50 ug/mL
							Ni	50 ug/mL
							Selenium	1 ug/mL
							Silver	5 ug/mL
							Sr	100 ug/mL
							Tl	5 ug/mL
							Vanadium	50 ug/mL
							Zn	50 ug/mL
MTAPITTMSA_00008	07/01/13	INORGANIC VENTURES, Lot E2-MEB404058MCA			(Purchased Reagent)		Ca	5000 ug/mL
							K	5000 ug/mL
							Mg	5000 ug/mL
							Na	5000 ug/mL
MTAPITTMSC_00013	07/01/13	Inorganic Ventures, Lot F2-MED427091			(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
op-p/pcb sur_00006	12/31/12	08/15/12	Methanol, Lot 62053	2000 mL	GCDCBStock_00002	1.6 mL	DCB Decachlorobiphenyl (Surr)	0.8 ug/mL
					GCTCMXSTD_00001	0.8 mL	Tetrachloro-m-xylene	0.8 ug/mL
.GCDCBStock_00002	12/31/12	ULTRA, Lot CC-3147A			(Purchased Reagent)		DCB Decachlorobiphenyl (Surr)	1000 ug/mL
.GCTCMXSTD_00001	06/30/14	Ultra, Lot BN09822PG			(Purchased Reagent)		Tetrachloro-m-xylene	2000 ug/mL
OP8270TCLPSPi_00012	09/15/12	03/15/12	Methanol, Lot DE997	100 mL	SVTCLPSPKMIXs_00003	5 mL	1,4-Dichlorobenzene	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2-Methylphenol	100 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Methylphenol	200 ug/mL
							Hexachlorobenzene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobutadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Methyl Phenols,Total	300 ug/mL
							Methylphenol, 3 & 4	200 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	100 ug/mL
							Pyridine	100 ug/mL
							Total Cresols	300 ug/mL
.SVTCLPSPKMIXs_00003	12/31/12	Ultra Scientific, Lot CG-4076			(Purchased Reagent)		1,4-Dichlorobenzene	2000 ug/mL
							2,4,5-Trichlorophenol	2000 ug/mL
							2,4,6-Trichlorophenol	2000 ug/mL
							2,4-Dinitrotoluene	2000 ug/mL
							2-Methylphenol	2000 ug/mL
							3 & 4 Methylphenol	4000 ug/mL
							3-Methylphenol	4000 ug/mL
							Hexachlorobenzene	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Hexachloroethane	2000 ug/mL
							Methyl Phenols,Total	6000 ug/mL
							Methylphenol, 3 & 4	4000 ug/mL
							Nitrobenzene	2000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Pyridine	2000 ug/mL
							Total Cresols	6000 ug/mL
OPHERBMATRIX_00018	01/13/13	08/11/12	Methanol, Lot 62053	100 mL	GCHERBSPIKE_00005	8 mL	2,4,5-T	4 ug/mL
							2,4-D	16 ug/mL
							2,4-DB	16 ug/mL
							Dalapon	8 ug/mL
							Dicamba	8 ug/mL
							Dichlorprop	16 ug/mL
							Dinoseb	2.4 ug/mL
							MCPA	1600 ug/mL
							MCPP	1600 ug/mL
							Pentachlorophenol	2 ug/mL
							Silvex (2,4,5-TP)	4 ug/mL
.GCHERBSPIKE_00005	05/31/13	SUPELCO, Lot LB88527			(Purchased Reagent)		2,4,5-T	50 ug/mL
							2,4-D	200 ug/mL
							2,4-DB	200 ug/mL
							Dalapon	100 ug/mL
							Dicamba	100 ug/mL
							Dichlorprop	200 ug/mL
							Dinoseb	30 ug/mL
							MCPA	20000 ug/mL
							MCPP	20000 ug/mL
							Pentachlorophenol	25 ug/mL
							Silvex (2,4,5-TP)	50 ug/mL
OPHERBSURR_00015	02/06/13	08/02/12	Methanol, Lot 62053	500 mL	GCHERBSURSTD_00004	1 mL	2,4-Dichlorophenylacetic acid	10 ug/mL
.GCHERBSURSTD_00004	04/30/13	ULTRA, Lot CJ-0766			(Purchased Reagent)		2,4-Dichlorophenylacetic acid	5000 ug/mL
OPPESTMATRIX_00005	12/30/12	03/28/12	ACETONE, Lot OP0015-11	20 mL	OPPESTMS00ms_00001	0.1 mL	4,4'-DDD	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4,4'-DDE	1 ug/mL
							4,4'-DDT	1 ug/mL
							Aldrin	1 ug/mL
							alpha-BHC	1 ug/mL
							alpha-Chlordane	1 ug/mL
							beta-BHC	1 ug/mL
							delta-BHC	1 ug/mL
							Dieldrin	1 ug/mL
							Endosulfan I	1 ug/mL
							Endosulfan II	1 ug/mL
							Endosulfan sulfate	1 ug/mL
							Endrin	1 ug/mL
							Endrin aldehyde	1 ug/mL
							Endrin ketone	1 ug/mL
							gamma-BHC (Lindane)	1 ug/mL
							gamma-Chlordane	1 ug/mL
							Heptachlor	1 ug/mL
							Heptachlor epoxide	1 ug/mL
							Methoxychlor	1 ug/mL
.GCPest2000ms_00001	06/30/12		RESTEK, Lot A060939		(Purchased Reagent)		4,4'-DDD	2000 ug/mL
							4,4'-DDE	2000 ug/mL
							4,4'-DDT	2000 ug/mL
							Aldrin	2000 ug/mL
							alpha-BHC	2000 ug/mL
							alpha-Chlordane	2000 ug/mL
							beta-BHC	2000 ug/mL
							delta-BHC	2000 ug/mL
							Dieldrin	2000 ug/mL
							Endosulfan I	2000 ug/mL
							Endosulfan II	2000 ug/mL
							Endosulfan sulfate	2000 ug/mL
							Endrin	2000 ug/mL
							Endrin aldehyde	2000 ug/mL
							Endrin ketone	2000 ug/mL
							gamma-BHC (Lindane)	2000 ug/mL
							gamma-Chlordane	2000 ug/mL
							Heptachlor	2000 ug/mL
							Heptachlor epoxide	2000 ug/mL
							Methoxychlor	2000 ug/mL
OPQL-8270SURi_00036	02/13/13	08/13/12	Methanol, Lot DG256	500 mL	OPABSURRSPKs_00012	100 mL	1,2-Dichlorobenzene-d4	200 ug/mL
							2,4,6-Tribromophenol	300 ug/mL
							2-Chlorophenol-d4	300 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol	300 ug/mL
							Nitrobenzene-d5	200 ug/mL
							Phenol-d5	300 ug/mL
							Terphenyl-d14	200 ug/mL
.OPABSURRSPKs_00012	05/31/15		Supelco, Lot LB92759		(Purchased Reagent)		1,2-Dichlorobenzene-d4	1000 ug/mL
							2,4,6-Tribromophenol	1500 ug/mL
							2-Chlorophenol-d4	1500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
SV2NDSOURCEi_00007	09/27/12	08/20/12	Methanol, Lot DG596	10 mL	SV26DCLRPHENs_00006	2 mL	2,6-Dichlorophenol	200 ug/mL
					SVINDENEs_00002	2 mL	Indene	200 ug/mL
					SVSS1245TCBs_00002	2 mL	1,2,4,5-Tetrachlorobenzene	200 ug/mL
					SVSS14DIOXANs_00001	2 mL	1,4-Dioxane	200 ug/mL
					SVSSOLMO42s_00013	1 mL	1,1'-Biphenyl	200 ug/mL
							Acetophenone	200 ug/mL
							Atrazine	200 ug/mL
							Benzaldehyde	200 ug/mL
							Caprolactam	200 ug/mL
.SV26DCLRPHENs_00006	06/04/13	spexcertiprep, Lot N1060606003			(Purchased Reagent)		2,6-Dichlorophenol	1000 ug/mL
.SVINDENEs_00002	10/10/13	Absolute Standards, Lot 101011			(Purchased Reagent)		Indene	1000 ug/mL
.SVSS1245TCBs_00002	09/27/12	Spex Certiprep, Lot T1090123013			(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
.SVSS14DIOXANs_00001	08/09/15	Absolute, Lot 080910			(Purchased Reagent)		1,4-Dioxane	1000 ug/mL
.SVSSOLMO42s_00013	10/30/12	Supelco, Lot LB70627			(Purchased Reagent)		1,1'-Biphenyl	2000 ug/mL
							Acetophenone	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
SV2NDSOURCEi_00008	09/27/12	08/20/12	Methanol, Lot DG596	10 mL	SVSSADDONs_00002	1 mL	1-Methylnaphthalene	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,3,5,6-Tetrachlorophenol	200 ug/mL
							2-Naphthylamine	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
					SVSSBENZIDNs_00003	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							3,3'-Dimethylbenzidine	200 ug/mL
							Benzidine	200 ug/mL
					SVSSCALIBMX1s_00004	2 mL	1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	200 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	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
							Anthracene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	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
							Methylphenol, 3 & 4	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	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
					SVSSCALIBMX4s_00003	1 mL	Aniline	200 ug/mL
							Benzoic acid	200 ug/mL
							Benzyl alcohol	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyridine	200 ug/mL
					SVSSNNITRDPAs_00007	0.4 mL	N-Nitrosodiphenylamine	200 ug/mL
					SVSSNNPYROLDs_00001	2 mL	N-Nitrosopyrrolidine	200 ug/mL
.SVSSADDONs_00002	07/31/13	Supelco, Lot 90109			(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
							N-Nitrosodi-n-butylamine	2000 ug/mL
.SVSSBENZIDNs_00003	06/30/14	Supelco, Lot LB85259			(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							3,3'-Dimethylbenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.SVSSCALIBMX1s_00004	04/30/13	Supelco, Lot LB75037			(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.: 180-13537-1

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
.SVSSCALIBMX4s_00003	05/31/14	Supelco, Lot LB86775			(Purchased Reagent)		Aniline	2000 ug/mL
							Benzoic acid	2000 ug/mL
							Benzyl alcohol	2000 ug/mL
							Pyridine	2000 ug/mL
.SVSSNNITRDPAs_00007	02/28/14	Supelco, Lot LB82298			(Purchased Reagent)		N-Nitrosodiphenylamine	5000 ug/mL
.SVSSNNPYROLDs_00001	12/09/14	Absolute, Lot 120909			(Purchased Reagent)		N-Nitrosopyrrolidine	1000 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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

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	0.2 ug/mL
							Butyl benzyl phthalate	0.2 ug/mL
							Carbazole	0.2 ug/mL
							Chrysene	0.2 ug/mL
							Di-n-butyl phthalate	0.2 ug/mL
							Di-n-octyl phthalate	0.2 ug/mL
							Dibenz(a,h)anthracene	0.2 ug/mL
							Dibenzofuran	0.2 ug/mL
							Diethyl phthalate	0.2 ug/mL
							Dimethyl phthalate	0.2 ug/mL
							Fluoranthene	0.2 ug/mL
							Fluorene	0.2 ug/mL
							Hexachlorobenzene	0.2 ug/mL
							Hexachlorobutadiene	0.2 ug/mL
							Hexachlorocyclopentadiene	0.2 ug/mL
							Hexachloroethane	0.2 ug/mL
							Indeno[1,2,3-cd]pyrene	0.2 ug/mL
							Isophorone	0.2 ug/mL
							Methylphenol, 3 & 4	0.2 ug/mL
							N-Nitrosodi-n-propylamine	0.2 ug/mL
							N-Nitrosodimethylamine	0.2 ug/mL
							Naphthalene	0.2 ug/mL
							Nitrobenzene	0.2 ug/mL
							Pentachlorophenol	1 ug/mL
							Phenanthrene	0.2 ug/mL
							Phenol	0.2 ug/mL
							Pyrene	0.2 ug/mL
							Indene	0.2 ug/mL
							N-Nitrosodiphenylamine	0.2 ug/mL
							N-Nitrosopyrrolidine	0.2 ug/mL
					SVPENTACHLPHi_00005	0.008 mL	Pentachlorophenol	1 ug/mL
					SVSIMINTERNi_00009	0.01 mL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
.SV24DINITPOHi_00004	12/12/12	07/30/12	MeCl2, Lot 480019	1 mL	SV24DINITPHNs_00001	0.1 mL	2,4-Dinitrophenol	100 ug/mL
..SV24DINITPHNs_00001	12/12/12	Absolute Standards, Lot 121207			(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
.SV46DN2MPHOHi_00004	01/30/13	07/30/12	MeCl2, Lot 480019	1 mL	SV46DN2MPHOHs_00001	0.1 mL	4,6-Dinitro-2-methylphenol	100 ug/mL
..SV46DN2MPHOHs_00001	01/27/15	Absolute Standards, Lot 012710			(Purchased Reagent)		4,6-Dinitro-2-methylphenol	1000 ug/mL
.SV4NITPHOHi_00004	01/31/13	07/30/12	MeCl2, Lot 480019	1 mL	SV4NITROPHOHs_00001	0.1 mL	4-Nitrophenol	100 ug/mL
..SV4NITROPHOHs_00001	03/08/15	Absolute Standards, Lot 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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

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
					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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

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
					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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..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
							Benzo[k]fluoranthene	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							Methylphenol, 3 & 4	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
..SVINDENEs_00010	10/10/13	Absolute Standards, Lot 101011			(Purchased Reagent)		Indene	1000 ug/mL
..SVNNDIPHENAMs_00002	06/30/13	Supelco, Lot LB76738			(Purchased Reagent)		N-Nitrosodiphenylamine	5000 ug/mL
..SVNNITROPYROs_00001	12/09/14	Absolute Standards, Lot 120909			(Purchased Reagent)		N-Nitrosopyrrolidine	1000 ug/mL
.SVPENTACHLPHi_00005	01/31/13	07/30/12	MeCl2, Lot 480019	1 mL	SVPENTCLPHENs_00001	0.1 mL	Pentachlorophenol	100 ug/mL
..SVPENTCLPHENs_00001	09/17/14	Absolute Standards, Lot 091709			(Purchased Reagent)		Pentachlorophenol	1000 ug/mL
.SVSIMINTERNi_00009	12/17/12	12/17/11	MeCl2, Lot 222635	10 mL	SVINTSTDMIXs_00002	2 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
..SVINTSTDMIXs_00002	07/31/13	Supelco, Lot LB77211			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
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
					SVLLMIXXi_00008	0.125 mL	1-Methylnaphthalene	5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,3,4,6-Tetrachlorophenol	5 ug/mL
							2,3,5,6-Tetrachlorophenol	5 ug/mL
							2-Naphthylamine	5 ug/mL
							7,12-Dimethylbenz(a)anthracene	5 ug/mL
							Methyl methanesulfonate	5 ug/mL
							1,2,4,5-Tetrachlorobenzene	5 ug/mL
							1,4-Dioxane	5 ug/mL
							2,6-Dichlorophenol	5 ug/mL
							2,4,6-Tribromophenol	5 ug/mL
							2-Fluorophenol	5 ug/mL
							Phenol-d5	5 ug/mL
							3,3'-Dichlorobenzidine	5 ug/mL
							Benzidine	5 ug/mL
							2-Fluorobiphenyl	5 ug/mL
							Nitrobenzene-d5	5 ug/mL
							Terphenyl-d14	5 ug/mL
							Aniline	5 ug/mL
							Benzoic acid	10 ug/mL
							Benzyl alcohol	5 ug/mL
							Pyridine	5 ug/mL
							1,1'-Biphenyl	5 ug/mL
							Acetophenone	5 ug/mL
							Atrazine	5 ug/mL
							Benzaldehyde	5 ug/mL
							Caprolactam	5 ug/mL
							1,2,4-Trichlorobenzene	5 ug/mL
							1,2-Dichlorobenzene	5 ug/mL
							1,2-Diphenylhydrazine	5 ug/mL
							1,3-Dichlorobenzene	5 ug/mL
							1,4-Dichlorobenzene	5 ug/mL
							2,2'-oxybis[1-chloropropane]	5 ug/mL
							2,4,5-Trichlorophenol	5 ug/mL
							2,4,6-Trichlorophenol	5 ug/mL
							2,4-Dichlorophenol	5 ug/mL
							2,4-Dimethylphenol	5 ug/mL
							2,4-Dinitrophenol	10 ug/mL
							2,4-Dinitrotoluene	5 ug/mL
							2,6-Dinitrotoluene	5 ug/mL
							2-Chloronaphthalene	5 ug/mL
							2-Chlorophenol	5 ug/mL
							2-Methylnaphthalene	5 ug/mL
							2-Methylphenol	5 ug/mL
							2-Nitroaniline	5 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitroaniline	40 ug/mL
							2-Nitrophenol	40 ug/mL
							3-Nitroaniline	40 ug/mL
							4,6-Dinitro-2-methylphenol	40 ug/mL
							4-Bromophenyl phenyl ether	40 ug/mL
							4-Chloro-3-methylphenol	40 ug/mL
							4-Chloroaniline	40 ug/mL
							4-Chlorophenyl phenyl ether	40 ug/mL
							4-Nitroaniline	40 ug/mL
							4-Nitrophenol	40 ug/mL
							Acenaphthene	40 ug/mL
							Acenaphthylene	40 ug/mL
							Anthracene	40 ug/mL
							Benzo[a]anthracene	40 ug/mL
							Benzo[a]pyrene	40 ug/mL
							Benzo[b]fluoranthene	40 ug/mL
							Benzo[g,h,i]perylene	40 ug/mL
							Benzo[k]fluoranthene	40 ug/mL
							Bis(2-chloroethoxy)methane	40 ug/mL
							Bis(2-chloroethyl)ether	40 ug/mL
							Bis(2-ethylhexyl) phthalate	40 ug/mL
							Butyl benzyl phthalate	40 ug/mL
							Carbazole	40 ug/mL
							Chrysene	40 ug/mL
							Di-n-butyl phthalate	40 ug/mL
							Di-n-octyl phthalate	40 ug/mL
							Dibenz(a,h)anthracene	40 ug/mL
							Dibenzofuran	40 ug/mL
							Diethyl phthalate	40 ug/mL
							Dimethyl phthalate	40 ug/mL
							Fluoranthene	40 ug/mL
							Fluorene	40 ug/mL
							Hexachlorobenzene	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Hexachlorocyclopentadiene	40 ug/mL
							Hexachloroethane	40 ug/mL
							Indeno[1,2,3-cd]pyrene	40 ug/mL
							Isophorone	40 ug/mL
							Methylphenol, 3 & 4	40 ug/mL
							N-Nitrosodi-n-propylamine	40 ug/mL
							N-Nitrosodimethylamine	40 ug/mL
							Naphthalene	40 ug/mL
							Nitrobenzene	40 ug/mL
							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
					SVNNDIPYROs_00001	0.4 mL	N-Nitrosopyrrolidine	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyrene	1 ug/mL
							Indene	1 ug/mL
							N-Nitrosodiphenylamine	1 ug/mL
							N-Nitrosopyrrolidine	1 ug/mL
					SVPENTACHLPHi_00005	0.01 mL	Pentachlorophenol	2 ug/mL
					SVSIMINTERNi_00009	0.01 mL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
.SV24DINITPOHi_00004	12/12/12	07/30/12	MeCl2, Lot 480019	1 mL	SV24DINITPHNs_00001	0.1 mL	2,4-Dinitrophenol	100 ug/mL
..SV24DINITPHNs_00001	12/12/12	Absolute Standards, Lot 121207			(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
.SV46DN2MPHOHi_00004	01/30/13	07/30/12	MeCl2, Lot 480019	1 mL	SV46DN2MPHOHs_00001	0.1 mL	4,6-Dinitro-2-methylphenol	100 ug/mL
..SV46DN2MPHOHs_00001	01/27/15	Absolute Standards, Lot 012710			(Purchased Reagent)		4,6-Dinitro-2-methylphenol	1000 ug/mL
.SV4NITPHOHi_00004	01/31/13	07/30/12	MeCl2, Lot 480019	1 mL	SV4NITROPHOHs_00001	0.1 mL	4-Nitrophenol	100 ug/mL
..SV4NITROPHOHs_00001	03/08/15	Absolute Standards, Lot 030810			(Purchased Reagent)		4-Nitrophenol	1000 ug/mL
.SVBENZOICACi_00005	01/31/13	07/30/12	MeCl2, Lot 480019	1 mL	SVBENZOICACDs_00001	0.1 mL	Benzoic acid	100 ug/mL
..SVBENZOICACDs_00001	10/21/14	Absolute Standards, Lot 102109			(Purchased Reagent)		Benzoic acid	1000 ug/mL
.SVLLSTOCKi_00008	01/27/13	07/30/12	MeCl2, Lot 299751	10 mL	SV ADDON MIXs_00003	0.2 mL	1-Methylnaphthalene	40 ug/mL
							2,3,4,6-Tetrachlorophenol	40 ug/mL
							2,3,5,6-Tetrachlorophenol	40 ug/mL
							2-Naphthylamine	40 ug/mL
							7,12-Dimethylbenz(a)anthracene	40 ug/mL
							Methyl methanesulfonate	40 ug/mL
					SV1245TCBENZs_00001	0.4 mL	1,2,4,5-Tetrachlorobenzene	40 ug/mL
					SV14DIOXANEs_00002	0.2 mL	1,4-Dioxane	40 ug/mL
					SV26DCPHENOLs_00001	0.08 mL	2,6-Dichlorophenol	40 ug/mL
					SVACIDSURMIXs_00001	0.2 mL	2,4,6-Tribromophenol	40 ug/mL
							2-Fluorophenol	40 ug/mL
							Phenol-d5	40 ug/mL
					SVBENZIDINEs_00008	0.2 mL	3,3'-Dichlorobenzidine	40 ug/mL
							Benzidine	40 ug/mL
					SVBNSURMIXs_00003	0.4 mL	2-Fluorobiphenyl	40 ug/mL
							Nitrobenzene-d5	40 ug/mL
							Terphenyl-d14	40 ug/mL
					SVCALIBMIX4s_00002	0.2 mL	Aniline	40 ug/mL
							Benzoic acid	40 ug/mL
							Benzyl alcohol	40 ug/mL
							Pyridine	40 ug/mL
					SVCLPOLM4MIXs_00003	0.2 mL	1,1'-Biphenyl	40 ug/mL
							Acetophenone	40 ug/mL
							Atrazine	40 ug/mL
							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.: 180-13537-1

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.: 180-13537-1

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.: 180-13537-1

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.: 180-13537-1

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
SVLLSSTD20i_00006	12/12/12	07/30/12	MeCl2, Lot 480019	1 mL	SV24DINITPOHi_00004	0.05 mL	2,4-Dinitrophenol	15 ug/mL
					SV46DN2MPHOHi_00004	0.05 mL	4,6-Dinitro-2-methylphenol	15 ug/mL
					SV4NITPHOHi_00004	0.05 mL	4-Nitrophenol	15 ug/mL
					SVBENZOICACi_00005	0.05 mL	Benzoic acid	15 ug/mL
					SVLLSTOCKi_00008	0.25 mL	1-Methylnaphthalene	10 ug/mL
							2,3,4,6-Tetrachlorophenol	10 ug/mL
							2,3,5,6-Tetrachlorophenol	10 ug/mL
							2-Naphthylamine	10 ug/mL
							7,12-Dimethylbenz(a)anthracene	10 ug/mL
							Methyl methanesulfonate	10 ug/mL
							1,2,4,5-Tetrachlorobenzene	10 ug/mL
							1,4-Dioxane	10 ug/mL
							2,6-Dichlorophenol	10 ug/mL
							2,4,6-Tribromophenol	10 ug/mL
							2-Fluorophenol	10 ug/mL
							Phenol-d5	10 ug/mL
							3,3'-Dichlorobenzidine	10 ug/mL
							Benzidine	10 ug/mL
							2-Fluorobiphenyl	10 ug/mL
							Nitrobenzene-d5	10 ug/mL
							Terphenyl-d14	10 ug/mL
							Aniline	10 ug/mL
							Benzoic acid	15 ug/mL
							Benzyl alcohol	10 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorocyclopentadiene	10 ug/mL
							Hexachloroethane	10 ug/mL
							Indeno[1,2,3-cd]pyrene	10 ug/mL
							Isophorone	10 ug/mL
							Methylphenol, 3 & 4	10 ug/mL
							N-Nitrosodi-n-propylamine	10 ug/mL
							N-Nitrosodimethylamine	10 ug/mL
							Naphthalene	10 ug/mL
							Nitrobenzene	10 ug/mL
							Pentachlorophenol	15 ug/mL
							Phenanthrene	10 ug/mL
							Phenol	10 ug/mL
							Pyrene	10 ug/mL
							Indene	10 ug/mL
							N-Nitrosodiphenylamine	10 ug/mL
							N-Nitrosopyrrolidine	10 ug/mL
					SVPENTACHLPHi_00005	0.05 mL	Pentachlorophenol	15 ug/mL
					SVSIMINTERNi_00009	0.01 mL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
.SV24DINITPOHi_00004	12/12/12	07/30/12	MeCl2, Lot 480019	1 mL	SV24DINITPHNs_00001	0.1 mL	2,4-Dinitrophenol	100 ug/mL
..SV24DINITPHNs_00001	12/12/12	Absolute Standards, Lot 121207			(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
.SV46DN2MPHOHi_00004	01/30/13	07/30/12	MeCl2, Lot 480019	1 mL	SV46DN2MPHOHs_00001	0.1 mL	4,6-Dinitro-2-methylphenol	100 ug/mL
..SV46DN2MPHOHs_00001	01/27/15	Absolute Standards, Lot 012710			(Purchased Reagent)		4,6-Dinitro-2-methylphenol	1000 ug/mL
.SV4NITPHOHi_00004	01/31/13	07/30/12	MeCl2, Lot 480019	1 mL	SV4NITROPHOHs_00001	0.1 mL	4-Nitrophenol	100 ug/mL
..SV4NITROPHOHs_00001	03/08/15	Absolute Standards, Lot 030810			(Purchased Reagent)		4-Nitrophenol	1000 ug/mL
.SVBENZOICACi_00005	01/31/13	07/30/12	MeCl2, Lot 480019	1 mL	SVBENZOICACDs_00001	0.1 mL	Benzoic acid	100 ug/mL
..SVBENZOICACDs_00001	10/21/14	Absolute Standards, Lot 102109			(Purchased Reagent)		Benzoic acid	1000 ug/mL
.SVLLSTOCKi_00008	01/27/13	07/30/12	MeCl2, Lot 299751	10 mL	SV ADDON MIXs_00003	0.2 mL	1-Methylnaphthalene	40 ug/mL
							2,3,4,6-Tetrachlorophenol	40 ug/mL
							2,3,5,6-Tetrachlorophenol	40 ug/mL
							2-Naphthylamine	40 ug/mL
							7,12-Dimethylbenz(a)anthracene	40 ug/mL
							Methyl methanesulfonate	40 ug/mL
					SV1245TCBENZs_00001	0.4 mL	1,2,4,5-Tetrachlorobenzene	40 ug/mL
					SV14DIOXANEs_00002	0.2 mL	1,4-Dioxane	40 ug/mL
					SV26DCPHENOLs_00001	0.08 mL	2,6-Dichlorophenol	40 ug/mL
					SVACIDSURMIXs_00001	0.2 mL	2,4,6-Tribromophenol	40 ug/mL
							2-Fluorophenol	40 ug/mL
							Phenol-d5	40 ug/mL
					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.: 180-13537-1

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.: 180-13537-1

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.: 180-13537-1

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.: 180-13537-1

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
SVLLSSTD4.0i_00077	08/13/12	08/07/12	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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbazole	2 ug/mL
							Chrysene	2 ug/mL
							Di-n-butyl phthalate	2 ug/mL
							Di-n-octyl phthalate	2 ug/mL
							Dibenz(a,h)anthracene	2 ug/mL
							Dibenzofuran	2 ug/mL
							Diethyl phthalate	2 ug/mL
							Dimethyl phthalate	2 ug/mL
							Fluoranthene	2 ug/mL
							Fluorene	2 ug/mL
							Hexachlorobenzene	2 ug/mL
							Hexachlorobutadiene	2 ug/mL
							Hexachlorocyclopentadiene	2 ug/mL
							Hexachloroethane	2 ug/mL
							Indeno[1,2,3-cd]pyrene	2 ug/mL
							Isophorone	2 ug/mL
							Methylphenol, 3 & 4	2 ug/mL
							N-Nitrosodi-n-propylamine	2 ug/mL
							N-Nitrosodimethylamine	2 ug/mL
							Naphthalene	2 ug/mL
							Nitrobenzene	2 ug/mL
							Pentachlorophenol	5 ug/mL
							Phenanthrene	2 ug/mL
							Phenol	2 ug/mL
							Pyrene	2 ug/mL
							Indene	2 ug/mL
							N-Nitrosodiphenylamine	2 ug/mL
							N-Nitrosopyrrolidine	2 ug/mL
					SVPENTACHLPHi_00005	0.03 mL	Pentachlorophenol	5 ug/mL
					SVSIMINTERNi_00009	0.01 mL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
.SV24DINITPOHi_00004	12/12/12	07/30/12	MeCl2, Lot 480019	1 mL	SV24DINITPHNs_00001	0.1 mL	2,4-Dinitrophenol	100 ug/mL
..SV24DINITPHNs_00001	12/12/12	Absolute Standards, Lot 121207			(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
.SV46DN2MPHOHi_00004	01/30/13	07/30/12	MeCl2, Lot 480019	1 mL	SV46DN2MPHOHs_00001	0.1 mL	4,6-Dinitro-2-methylphenol	100 ug/mL
..SV46DN2MPHOHs_00001	01/27/15	Absolute Standards, Lot 012710			(Purchased Reagent)		4,6-Dinitro-2-methylphenol	1000 ug/mL
.SV4NITPHOHi_00004	01/31/13	07/30/12	MeCl2, Lot 480019	1 mL	SV4NITROPHOHs_00001	0.1 mL	4-Nitrophenol	100 ug/mL
..SV4NITROPHOHs_00001	03/08/15	Absolute Standards, Lot 030810			(Purchased Reagent)		4-Nitrophenol	1000 ug/mL
.SVBENZOICACi_00005	01/31/13	07/30/12	MeCl2, Lot 480019	1 mL	SVBENZOICACDs_00001	0.1 mL	Benzoic acid	100 ug/mL
..SVBENZOICACDs_00001	10/21/14	Absolute Standards, Lot 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
					1,2,4,5-TETRACHLOROBENZs_00001	0.4 mL	1,2,4,5-Tetrachlorobenzene	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

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.: 180-13537-1

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.: 180-13537-1

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.: 180-13537-1

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
SVLLSSTD4.0i_00079	08/27/12	08/21/12	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
					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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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
							1,4-Dichlorobenzene	2 ug/mL
							2,2'-oxybis[1-chloropropane]	2 ug/mL
							2,4,5-Trichlorophenol	2 ug/mL
							2,4,6-Trichlorophenol	2 ug/mL
							2,4-Dichlorophenol	2 ug/mL
							2,4-Dimethylphenol	2 ug/mL
							2,4-Dinitrophenol	5 ug/mL
							2,4-Dinitrotoluene	2 ug/mL
							2,6-Dinitrotoluene	2 ug/mL
							2-Chloronaphthalene	2 ug/mL
							2-Chlorophenol	2 ug/mL
							2-Methylnaphthalene	2 ug/mL
							2-Methylphenol	2 ug/mL
							2-Nitroaniline	2 ug/mL
							2-Nitrophenol	2 ug/mL
							3-Nitroaniline	2 ug/mL
							4,6-Dinitro-2-methylphenol	5 ug/mL
							4-Bromophenyl phenyl ether	2 ug/mL
							4-Chloro-3-methylphenol	2 ug/mL
							4-Chloroaniline	2 ug/mL
							4-Chlorophenyl phenyl ether	2 ug/mL
							4-Nitroaniline	2 ug/mL
							4-Nitrophenol	5 ug/mL
							Acenaphthene	2 ug/mL
							Acenaphthylene	2 ug/mL
							Anthracene	2 ug/mL
							Benzo[a]anthracene	2 ug/mL
							Benzo[a]pyrene	2 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Di-n-octyl phthalate	2 ug/mL
							Dibenz(a,h)anthracene	2 ug/mL
							Dibenzofuran	2 ug/mL
							Diethyl phthalate	2 ug/mL
							Dimethyl phthalate	2 ug/mL
							Fluoranthene	2 ug/mL
							Fluorene	2 ug/mL
							Hexachlorobenzene	2 ug/mL
							Hexachlorobutadiene	2 ug/mL
							Hexachlorocyclopentadiene	2 ug/mL
							Hexachloroethane	2 ug/mL
							Indeno[1,2,3-cd]pyrene	2 ug/mL
							Isophorone	2 ug/mL
							Methylphenol, 3 & 4	2 ug/mL
							N-Nitrosodi-n-propylamine	2 ug/mL
							Naphthalene	2 ug/mL
							Nitrobenzene	2 ug/mL
							Pentachlorophenol	5 ug/mL
							Phenanthrene	2 ug/mL
							Phenol	2 ug/mL
							Pyrene	2 ug/mL
							N-Nitrosodiphenylamine	2 ug/mL
					SVPENTACHLPHi_00005	0.03 mL	Pentachlorophenol	5 ug/mL
.SV24DINITPOHi_00004	12/12/12	07/30/12	MeCl2, Lot 480019	1 mL	SV24DINITPHNs_00001	0.1 mL	2,4-Dinitrophenol	100 ug/mL
..SV24DINITPHNs_00001	12/12/12	Absolute Standards, Lot 121207			(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
.SV46DN2MPHOHi_00004	01/30/13	07/30/12	MeCl2, Lot 480019	1 mL	SV46DN2MPHOHs_00001	0.1 mL	4,6-Dinitro-2-methylphenol	100 ug/mL
..SV46DN2MPHOHs_00001	01/27/15	Absolute Standards, Lot 012710			(Purchased Reagent)		4,6-Dinitro-2-methylphenol	1000 ug/mL
.SV4NITPHOHi_00004	01/31/13	07/30/12	MeCl2, Lot 480019	1 mL	SV4NITROPHOHs_00001	0.1 mL	4-Nitrophenol	100 ug/mL
..SV4NITROPHOHs_00001	03/08/15	Absolute Standards, Lot 030810			(Purchased Reagent)		4-Nitrophenol	1000 ug/mL
.SVLLSTOCKi_00008	01/27/13	07/30/12	MeCl2, Lot 299751	10 mL	SV14DIOXANEs_00002	0.2 mL	1,4-Dioxane	40 ug/mL
					SVACIDSURMIXs_00001	0.2 mL	2,4,6-Tribromophenol	40 ug/mL
							2-Chlorophenol-d4	40 ug/mL
							2-Fluorophenol	40 ug/mL
							Phenol-d5	40 ug/mL
					SVBENZIDINEs_00008	0.2 mL	3,3'-Dichlorobenzidine	40 ug/mL
					SVBNSURMIXs_00003	0.4 mL	1,2-Dichlorobenzene-d4	40 ug/mL
							2-Fluorobiphenyl	40 ug/mL
							Nitrobenzene-d5	40 ug/mL
							Terphenyl-d14	40 ug/mL
					SVCALIBMIX4s_00002	0.2 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	1,4-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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Naphthalene	40 ug/mL
							Nitrobenzene	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorophenol	40 ug/mL
							Phenanthrene	40 ug/mL
							Phenol	40 ug/mL
							Pyrene	40 ug/mL
					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
..SVCALIBMIX4s_00002	11/30/14	Supelco, Lot LB88725			(Purchased Reagent)		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)		1,4-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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							Methylphenol, 3 & 4	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
..SVNNDIPHENAMs_00002	06/30/13	Supelco, Lot LB76738			(Purchased Reagent)		N-Nitrosodiphenylamine	5000 ug/mL
.SVPENTACHLPHi_00005	01/31/13	07/30/12	MeCl2, Lot 480019	1 mL	SVPENTCLPHENs_00001	0.1 mL	Pentachlorophenol	100 ug/mL
..SVPENTCLPHENs_00001	09/17/14	Absolute Standards, Lot 091709			(Purchased Reagent)		Pentachlorophenol	1000 ug/mL
SVLLSSTD40i_00006	12/12/12	07/30/12	MeCl2, Lot 480019	1 mL	SVLLSTOCKi_00008	0.5 mL	1-Methylnaphthalene	20 ug/mL
							2,3,4,6-Tetrachlorophenol	20 ug/mL
							2,3,5,6-Tetrachlorophenol	20 ug/mL
							2-Naphthylamine	20 ug/mL
							7,12-Dimethylbenz(a)anthracene	20 ug/mL
							Methyl methanesulfonate	20 ug/mL
							1,2,4,5-Tetrachlorobenzene	20 ug/mL
							1,4-Dioxane	20 ug/mL
							2,6-Dichlorophenol	20 ug/mL
							2,4,6-Tribromophenol	20 ug/mL
							2-Fluorophenol	20 ug/mL
							Phenol-d5	20 ug/mL
							3,3'-Dichlorobenzidine	20 ug/mL
							Benzidine	20 ug/mL
							2-Fluorobiphenyl	20 ug/mL
							Nitrobenzene-d5	20 ug/mL
							Terphenyl-d14	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Di-n-butyl phthalate	20 ug/mL
							Di-n-octyl phthalate	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Dibenzofuran	20 ug/mL
							Diethyl phthalate	20 ug/mL
							Dimethyl phthalate	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Hexachlorobenzene	20 ug/mL
							Hexachlorobutadiene	20 ug/mL
							Hexachlorocyclopentadiene	20 ug/mL
							Hexachloroethane	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Isophorone	20 ug/mL
							Methylphenol, 3 & 4	20 ug/mL
							N-Nitrosodi-n-propylamine	20 ug/mL
							N-Nitrosodimethylamine	20 ug/mL
							Naphthalene	20 ug/mL
							Nitrobenzene	20 ug/mL
							Pentachlorophenol	20 ug/mL
							Phenanthrene	20 ug/mL
							Phenol	20 ug/mL
							Pyrene	20 ug/mL
							Indene	20 ug/mL
							N-Nitrosodiphenylamine	20 ug/mL
							N-Nitrosopyrrolidine	20 ug/mL
					SVSIMINTERNi_00009	0.01 mL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
.SVLLSTOCKi_00008	01/27/13	07/30/12	MeCl2, Lot 299751	10 mL	SV ADDON MIXs_00003	0.2 mL	1-Methylnaphthalene	40 ug/mL
							2,3,4,6-Tetrachlorophenol	40 ug/mL
							2,3,5,6-Tetrachlorophenol	40 ug/mL
							2-Naphthylamine	40 ug/mL
							7,12-Dimethylbenz(a)anthracene	40 ug/mL
							Methyl methanesulfonate	40 ug/mL
					SV1245TCBENZs_00001	0.4 mL	1,2,4,5-Tetrachlorobenzene	40 ug/mL
					SV14DIOXANEs_00002	0.2 mL	1,4-Dioxane	40 ug/mL
					SV26DCPHENOLs_00001	0.08 mL	2,6-Dichlorophenol	40 ug/mL
					SVACIDSURMIXs_00001	0.2 mL	2,4,6-Tribromophenol	40 ug/mL
							2-Fluorophenol	40 ug/mL
							Phenol-d5	40 ug/mL
					SVBENZIDINEs_00008	0.2 mL	3,3'-Dichlorobenzidine	40 ug/mL
							Benzidine	40 ug/mL
					SVBNSURMIXs_00003	0.4 mL	2-Fluorobiphenyl	40 ug/mL
							Nitrobenzene-d5	40 ug/mL
							Terphenyl-d14	40 ug/mL
					SVCANILINEX4s_00002	0.2 mL	Aniline	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methylphenol, 3 & 4	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
..SVINDENEs_00010	10/10/13	Absolute Standards, Lot 101011			(Purchased Reagent)		Indene	1000 ug/mL
..SVNNDIPHENAMs_00002	06/30/13	Supelco, Lot LB76738			(Purchased Reagent)		N-Nitrosodiphenylamine	5000 ug/mL
..SVNNITROPYROs_00001	12/09/14	Absolute Standards, Lot 120909			(Purchased Reagent)		N-Nitrosopyrrolidine	1000 ug/mL
.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
VOA2CEVERES_00008	08/02/12	07/26/12	Methanol, Lot DG256	10 mL	VOARES2CEVE_00019	250 uL	2-Chloroethyl vinyl ether	50 ug/mL
.VOARES2CEVE_00019	07/01/16	RESTEK, Lot A083143			(Purchased Reagent)		2-Chloroethyl vinyl ether	2000 ug/mL
VOA8260BINT_00113	08/13/12	07/13/12	Methanol, Lot DF700	100 mL	VOA8260BINT_00075	1 mL	1,4-Dichlorobenzene-d4	25 ug/mL
							Chlorobenzene-d5	25 ug/mL
							Fluorobenzene (IS)	25 ug/mL
.VOA8260BINT_00075	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
VOA8260BINT_00114	09/08/12	08/08/12	Methanol, Lot DF700	100 mL	VOA8260BINT_00077	1 mL	1,4-Dichlorobenzene-d4	25 ug/mL
							Chlorobenzene-d5	25 ug/mL
							Fluorobenzene (IS)	25 ug/mL
.VOA8260BINT_00077	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_00111	07/13/13	07/13/12	Methanol, Lot DF700	100 mL	VOA8260BSURR_00080	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_00080	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_00112	09/08/12	08/08/12	Methanol, Lot DF700	100 mL	VOA8260BSURR_00083	1 mL	1,2-Dichloroethane-d4 (Surr)	25 ug/mL
							4-Bromofluorobenzene (Surr)	25 ug/mL
							Dibromofluoromethane (Surr)	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toluene-d8 (Surr)	25 ug/mL
.VOA8260BSURR_00083	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
VOA8260RESTEK_00013	08/30/12	08/26/12	Methanol, Lot DG596	8 mL	VOA8260VOARES_00058	1 mL	1,1,2-Trichloro-1,2,2-trifluor oethane	25 ug/mL
							Cyclohexane	25 ug/mL
							Methyl acetate	25 ug/mL
							Methylcyclohexane	25 ug/mL
							Carbon disulfide	25 ug/mL
							1,1,1-Trichloroethane	25 ug/mL
							1,1,2,2-Tetrachloroethane	25 ug/mL
							1,1,2-Trichloroethane	25 ug/mL
							1,1-Dichloroethane	25 ug/mL
							1,1-Dichloroethene	25 ug/mL
							1,2,4-Trichlorobenzene	25 ug/mL
							1,2-Dibromo-3-Chloropropane	25 ug/mL
							1,2-Dibromoethane (EDB)	25 ug/mL
							1,2-Dichlorobenzene	25 ug/mL
							1,2-Dichloroethane	25 ug/mL
							1,2-Dichloropropane	25 ug/mL
							1,3-Dichlorobenzene	25 ug/mL
							1,4-Dichlorobenzene	25 ug/mL
							Benzene	25 ug/mL
							Bromodichloromethane	25 ug/mL
							Bromoform	25 ug/mL
							Carbon tetrachloride	25 ug/mL
							Chlorobenzene	25 ug/mL
							Chloroform	25 ug/mL
							cis-1,2-Dichloroethene	25 ug/mL
							cis-1,3-Dichloropropene	25 ug/mL
							Dibromochloromethane	25 ug/mL
							Ethylbenzene	25 ug/mL
							Isopropylbenzene	25 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methylene Chloride	25 ug/mL
							o-Xylene	25 ug/mL
							Styrene	25 ug/mL
							Tetrachloroethene	25 ug/mL
							Toluene	25 ug/mL
							trans-1,2-Dichloroethene	25 ug/mL
							trans-1,3-Dichloropropene	25 ug/mL
							Trichloroethene	25 ug/mL
							Xylenes, Total	75 ug/mL
							Methyl tert-butyl ether	25 ug/mL
					VOAGASMIXRES_00084	1 mL	Bromomethane	25 ug/mL
							Chloroethane	25 ug/mL
							Chloromethane	25 ug/mL
							Dichlorodifluoromethane	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Trichlorofluoromethane	25 ug/mL
							Vinyl chloride	25 ug/mL
.VOA8260VOARES_00058	08/30/12	07/30/12	Methanol, Lot DG256	10 mL	VOABonusABS_00020	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_00024	1 mL	Carbon disulfide	200 ug/mL
					VOAMEGAMIXRES_00023	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
							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_00026	1 mL	Methyl tert-butyl ether	200 ug/mL
..VOABonusABS_00020	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_00024	09/01/16	Restek, Lot A083790			(Purchased Reagent)		Carbon disulfide	2000 ug/mL
..VOAMEGAMIXRES_00023	01/01/14	Restek, Lot A085823			(Purchased Reagent)		1,1,1-Trichloroethane	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2,2-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
							Trichloroethene	2000 ug/mL
							Xylenes, Total	6000 ug/mL
..VOAMTBERES_00026	02/01/17		Restek, Lot A086709		(Purchased Reagent)		Methyl tert-butyl ether	2000 ug/mL
.VOAGASMIXRES_00084	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_00015	08/30/12	08/26/12	Methanol, Lot DG596	8 mL	VOA8260VOAULT_00048	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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Trichloroethene	25 ug/mL
							Xylenes, Total	75 ug/mL
					VOAGASULT_00094	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_00048	08/30/12	07/30/12	Methanol, Lot DG256	10 mL	VOACLPBONULT_00015	1 mL	1,1,2-Trichloro-1,2,2-trifluor oethane	200 ug/mL
							Cyclohexane	200 ug/mL
							Methyl acetate	200 ug/mL
							Methylcyclohexane	200 ug/mL
					VOACS2Supelco_00013	0.4 mL	Carbon disulfide	200 ug/mL
					VOAKetoneSup_00021	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_00021	1 mL	Methyl tert-butyl ether	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					VOAVOCMIXULT_00023	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
							Xylenes, Total	600 ug/mL
..VOACLPBONULT_00015	05/31/13		ULTRA, Lot CH-1319		(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_00013	03/01/13		Supelco, Lot LB73533		(Purchased Reagent)		Carbon disulfide	5000 ug/mL
..VOAKetoneSup_00021	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_00021	06/01/14		Supelco, Lot LB85564		(Purchased Reagent)		Methyl tert-butyl ether	2000 ug/mL
..VOAVOCMIXULT_00023	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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dibromoethane (EDB)	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_00094	02/28/15		Ultra, Lot CJ0280		(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
VOA8260VOARES_00056	07/28/12	07/21/12	Methanol, Lot DF700	8 mL	VOA8260VOARES_00054	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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trichlorobenzene	25 ug/mL
							1,2,4-Trimethylbenzene	25 ug/mL
							1,2-Dibromo-3-Chloropropane	25 ug/mL
							1,2-Dibromoethane (EDB)	25 ug/mL
							1,2-Dichlorobenzene	25 ug/mL
							1,2-Dichloroethane	25 ug/mL
							1,2-Dichloropropane	25 ug/mL
							1,3,5-Trimethylbenzene	25 ug/mL
							1,3-Dichlorobenzene	25 ug/mL
							1,3-Dichloropropane	25 ug/mL
							1,4-Dichlorobenzene	25 ug/mL
							2,2-Dichloropropane	25 ug/mL
							2-Chlorotoluene	25 ug/mL
							4-Chlorotoluene	25 ug/mL
							4-Isopropyltoluene	25 ug/mL
							Benzene	25 ug/mL
							Bromobenzene	25 ug/mL
							Bromodichloromethane	25 ug/mL
							Bromoform	25 ug/mL
							Carbon tetrachloride	25 ug/mL
							Chlorobenzene	25 ug/mL
							Chlorobromomethane	25 ug/mL
							Chloroform	25 ug/mL
							cis-1,2-Dichloroethene	25 ug/mL
							cis-1,3-Dichloropropene	25 ug/mL
							Dibromochloromethane	25 ug/mL
							Dibromomethane	25 ug/mL
							Ethylbenzene	25 ug/mL
							Hexachlorobutadiene	25 ug/mL
							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_00066	1 mL	Bromomethane	25 ug/mL
							Chloroethane	25 ug/mL
							Chloromethane	25 ug/mL
							Dichlorodifluoromethane	25 ug/mL
							Trichlorofluoromethane	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vinyl chloride	25 ug/mL
.VOA8260VOARES_00054	08/12/12	07/12/12	Methanol, Lot DF700	10 mL	VOABonusABS_00019	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_00021	1 mL	Carbon disulfide	200 ug/mL
					VOAKETONEREST_00038	0.4 mL	2-Butanone (MEK)	200 ug/mL
							2-Hexanone	200 ug/mL
							4-Methyl-2-pentanone (MIBK)	200 ug/mL
							Acetone	200 ug/mL
					VOAMEGAMIXRES_00025	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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							m-Xylene & p-Xylene	400 ug/mL
							Methylene Chloride	200 ug/mL
							n-Butylbenzene	200 ug/mL
							N-Propylbenzene	200 ug/mL
							Naphthalene	200 ug/mL
							o-Xylene	200 ug/mL
							sec-Butylbenzene	200 ug/mL
							Styrene	200 ug/mL
							tert-Butylbenzene	200 ug/mL
							Tetrachloroethene	200 ug/mL
							Toluene	200 ug/mL
							trans-1,2-Dichloroethene	200 ug/mL
							trans-1,3-Dichloropropene	200 ug/mL
							Trichloroethene	200 ug/mL
					VOAMTBERES_00025	1 mL	Methyl tert-butyl ether	200 ug/mL
..VOABonusABS_00019	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_00021	09/01/16	Restek, Lot A083790			(Purchased Reagent)		Carbon disulfide	2000 ug/mL
..VOAKETONEREST_00038	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_00025	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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromobenzene	2000 ug/mL
							Bromodichloromethane	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorobromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromochloromethane	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	4000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
..VOAMTBERES_00025	10/01/18		Restek, Lot A084799		(Purchased Reagent)		Methyl tert-butyl ether	2000 ug/mL
.VOAGASMIXRES_00066	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
VOA8260VOARES_00060	08/17/12	08/10/12	Methanol, Lot DF700	8 mL	VOA8260VOARES_00058	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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1-Dichloroethene	25 ug/mL
							1,1-Dichloropropene	25 ug/mL
							1,2,3-Trichlorobenzene	25 ug/mL
							1,2,3-Trichloropropane	25 ug/mL
							1,2,4-Trichlorobenzene	25 ug/mL
							1,2,4-Trimethylbenzene	25 ug/mL
							1,2-Dibromo-3-Chloropropane	25 ug/mL
							1,2-Dibromoethane (EDB)	25 ug/mL
							1,2-Dichlorobenzene	25 ug/mL
							1,2-Dichloroethane	25 ug/mL
							1,2-Dichloropropane	25 ug/mL
							1,3,5-Trimethylbenzene	25 ug/mL
							1,3-Dichlorobenzene	25 ug/mL
							1,3-Dichloropropane	25 ug/mL
							1,4-Dichlorobenzene	25 ug/mL
							2,2-Dichloropropane	25 ug/mL
							2-Chlorotoluene	25 ug/mL
							4-Chlorotoluene	25 ug/mL
							4-Isopropyltoluene	25 ug/mL
							Benzene	25 ug/mL
							Bromobenzene	25 ug/mL
							Bromodichloromethane	25 ug/mL
							Bromoform	25 ug/mL
							Carbon tetrachloride	25 ug/mL
							Chlorobenzene	25 ug/mL
							Chlorobromomethane	25 ug/mL
							Chloroform	25 ug/mL
							cis-1,2-Dichloroethene	25 ug/mL
							cis-1,3-Dichloropropene	25 ug/mL
							Dibromochloromethane	25 ug/mL
							Dibromomethane	25 ug/mL
							Ethylbenzene	25 ug/mL
							Hexachlorobutadiene	25 ug/mL
							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
					MAGNESIUMCARES_00055	1 mL	Bromomethane	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloroethane	25 ug/mL
							Chloromethane	25 ug/mL
							Dichlorodifluoromethane	25 ug/mL
							Trichlorofluoromethane	25 ug/mL
							Vinyl chloride	25 ug/mL
.VOA8260VOARES_00058	08/30/12	07/30/12	Methanol, Lot DG256	10 mL	VOABonusABS_00020	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_00024	1 mL	Carbon disulfide	200 ug/mL
					VOAKETONEREST_00046	0.4 mL	2-Butanone (MEK)	200 ug/mL
							2-Hexanone	200 ug/mL
							4-Methyl-2-pentanone (MIBK)	200 ug/mL
							Acetone	200 ug/mL
					VOAMEGAMIXRES_00023	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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibromomethane	200 ug/mL
							Ethylbenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Isopropylbenzene	200 ug/mL
							m-Xylene & p-Xylene	400 ug/mL
							Methylene Chloride	200 ug/mL
							n-Butylbenzene	200 ug/mL
							N-Propylbenzene	200 ug/mL
							Naphthalene	200 ug/mL
							o-Xylene	200 ug/mL
							sec-Butylbenzene	200 ug/mL
							Styrene	200 ug/mL
							tert-Butylbenzene	200 ug/mL
							Tetrachloroethene	200 ug/mL
							Toluene	200 ug/mL
							trans-1,2-Dichloroethene	200 ug/mL
							trans-1,3-Dichloropropene	200 ug/mL
							Trichloroethene	200 ug/mL
					VOAMTBERES_00026	1 mL	Methyl tert-butyl ether	200 ug/mL
..VOABonusABS_00020	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_00024	09/01/16	Restek, Lot A083790			(Purchased Reagent)		Carbon disulfide	2000 ug/mL
..VOAKETONEREST_00046	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_00023	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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							4-Isopropyltoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromodichloromethane	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorobromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromochloromethane	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	4000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
..VOAMTBERES_00026	02/01/17		Restek, Lot A086709		(Purchased Reagent)		Methyl tert-butyl ether	2000 ug/mL
.VOAGASMIXRES_00055	09/01/17		Restek, Lot A079207		(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
VOA8260VOARES_00061	08/25/12	08/18/12	Methanol, Lot DF700	8 mL	VOA8260VOARES_00058	1 mL	2-Butanone (MEK)	25 ug/mL
							1,1-Dichloroethene	25 ug/mL
							1,2-Dichloroethane	25 ug/mL
							Benzene	25 ug/mL
							Carbon tetrachloride	25 ug/mL
							Chlorobenzene	25 ug/mL
							Chloroform	25 ug/mL
							Tetrachloroethene	25 ug/mL
							Trichloroethene	25 ug/mL
					VOAGASMIXRES_00083	1 mL	Vinyl chloride	25 ug/mL
.VOA8260VOARES_00058	08/30/12	07/30/12	Methanol, Lot DG256	10 mL	VOAKETONEREST_00046	0.4 mL	2-Butanone (MEK)	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					VOAMEGAMIXRES_00023	1 mL	1,1-Dichloroethene	200 ug/mL
							1,2-Dichloroethane	200 ug/mL
							Benzene	200 ug/mL
							Carbon tetrachloride	200 ug/mL
							Chlorobenzene	200 ug/mL
							Chloroform	200 ug/mL
							Tetrachloroethene	200 ug/mL
							Trichloroethene	200 ug/mL
..VOAKETONEREST_00046	02/01/15	Restek, Lot A084962			(Purchased Reagent)		2-Butanone (MEK)	5000 ug/mL
..VOAMEGAMIXRES_00023	01/01/14	Restek, Lot A085823			(Purchased Reagent)		1,1-Dichloroethene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							Benzene	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chloroform	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Trichloroethene	2000 ug/mL
.VOAGASMIXRES_00083	04/01/18	Restek, Lot A083718			(Purchased Reagent)		Vinyl chloride	200 ug/mL
VOA8260VOAULT_00051	08/25/12	08/18/12	Methanol, Lot DF700	8 mL	VOA8260VOAULT_00048	1 mL	2-Butanone (MEK)	25 ug/mL
							1,1-Dichloroethene	25 ug/mL
							1,2-Dichloroethane	25 ug/mL
							Benzene	25 ug/mL
							Carbon tetrachloride	25 ug/mL
							Chlorobenzene	25 ug/mL
							Chloroform	25 ug/mL
							Tetrachloroethene	25 ug/mL
							Trichloroethene	25 ug/mL
					VOAGASULT_00036	1 mL	Vinyl chloride	25 ug/mL
.VOA8260VOAULT_00048	08/30/12	07/30/12	Methanol, Lot DG256	10 mL	VOAKetoneSup_00021	1 mL	2-Butanone (MEK)	200 ug/mL
					VOAVOCMIXULT_00023	1 mL	1,1-Dichloroethene	200 ug/mL
							1,2-Dichloroethane	200 ug/mL
							Benzene	200 ug/mL
							Carbon tetrachloride	200 ug/mL
							Chlorobenzene	200 ug/mL
							Chloroform	200 ug/mL
							Tetrachloroethene	200 ug/mL
							Trichloroethene	200 ug/mL
..VOAKetoneSup_00021	02/01/14	Supelco, Lot LB82390			(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
..VOAVOCMIXULT_00023	11/30/14	Ultra, Lot CH-3339			(Purchased Reagent)		1,1-Dichloroethene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							Benzene	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chloroform	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Trichloroethene	2000 ug/mL
.VOAGASULT_00036	06/30/14	Ultra, Lot CH-1748			(Purchased Reagent)		Vinyl chloride	200 ug/mL
VOAAcetoABS_00027	08/13/12	07/13/12	Methanol, Lot DF700	1 mL	VOAAcetoABS_00022	1 mL	Acetonitrile	1000 ug/mL
.VOAAcetoABS_00022	08/09/16	Absolute Standards, Inc., Lot 080911			(Purchased Reagent)		Acetonitrile	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
VOAAcetoACC_00026	09/02/12	08/02/12	Methanol, Lot DG256	1 mL	VOAacetoACC_00024	1 mL	Acetonitrile	1000 ug/mL
.VOAacetoACC_00024	08/04/20	AccuStandard, Lot 210081059			(Purchased Reagent)		Acetonitrile	1000 ug/mL
VOAAPPIXULT25_00005	08/26/12	07/26/12	Methanol, Lot DF700	10 mL	VOAap9ULT_00010	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_00010	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
VoaVAAcc_00008	08/26/12	07/26/12	Methanol, Lot DG256	10 mL	VOAvinaceACC_00025	125 uL	Vinyl acetate	25 ug/mL
.VOAvinaceACC_00025	11/18/12	AccuStandard, Lot 212011299-02			(Purchased Reagent)		Vinyl acetate	2000 ug/mL
voaW A&A ultr_00010	08/24/12	07/24/12	Methanol, Lot DG596	4 mL	VOAA&AULTRA_00035	1 mL	Acrolein	25 ug/mL
							Acrylonitrile	25 ug/mL
.VOAA&AULTRA_00035	09/30/12	Ultra, Lot CJ1870			(Purchased Reagent)		Acrolein	100 mL
							Acrylonitrile	100 mL
voaW A&AUltra_00006	09/22/12	08/22/12	Methanol, Lot DG596	4 mL	VOAA&AULTRA_00034	1 mL	Acrolein	25 ug/mL
.VOAA&AULTRA_00034	09/30/12	Ultra, Lot CJ1870			(Purchased Reagent)		Acrolein	100 mL
voaW EE ABS_00001	09/06/12	08/06/12	Methanol, Lot DF700	25 mL	VOAEEMixABS_00026	0.125 mL	1,3,5-Trichlorobenzene	25 ug/mL
							2,3- & 3,4- Dichlorotoluene	50 ug/mL
							2,4- & 2,5- & 2,6-Dichlorotoluene	75 ug/mL
.VOAEEMixABS_00026	03/28/17	Absolute Standards, Inc., Lot 032812			(Purchased Reagent)		1,3,5-Trichlorobenzene	5000 ug/mL
							2,3- & 3,4- Dichlorotoluene	10000 ug/mL
							2,4- & 2,5- & 2,6-Dichlorotoluene	15000 ug/mL
voaW EE Absol_00002	08/05/12	07/05/12	Methanol, Lot DG256	25 mL	VOA236TCTSPEX_00018	0.625 mL	2,3,6-Trichlorotoluene	25 ug/mL
					VOAEEMixABS_00027	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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chlorobenzotrifluoride	25 ug/mL
							3-Chlorobenzotrifluoride	25 ug/mL
							3-Chlorotoluene	25 ug/mL
							4-Chlorobenzotrifluoride	25 ug/mL
.VOA236TCTSPEX_00018	12/19/14	SPEX, Lot C1111220014			(Purchased Reagent)		2,3,6-Trichlorotoluene	1000 ug/mL
.VOAEEMixABS_00027	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 Keto Res_00001	08/13/12	07/13/12	Methanol, Lot DF700	25 mL	VOAKETONEREST_00039	0.125 mL	2-Butanone (MEK)	25 ug/mL
							Acetone	25 ug/mL
.VOAKETONEREST_00039	02/01/15	Restek, Lot A084962			(Purchased Reagent)		2-Butanone (MEK)	5000 ug/mL
							Acetone	5000 ug/mL
voaWAP9ACCUST_00001	09/09/12	08/09/12	Methanol, Lot DG596	10 mL	VOAap9ACC_00016	1 mL	1,4-Dioxane	5000 ug/mL
							Isobutyl alcohol	1000 ug/mL
.VOAap9ACC_00016	05/08/15	AccuStandard, Lot 212051061			(Purchased Reagent)		1,4-Dioxane	50000 ug/mL
							Isobutyl alcohol	10000 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: 180-13537-1

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

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Matrix: Water (TCLP) Level: Low

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

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
IDW-1	180-13537-7	105	122	81	85
	LB 180-45830/6-A	101	116	84	87
	LCS 180-45860/9	107	118	94	97
	180-13635-D-1-C MS	92	111	90	87
	180-13635-D-1-D MSD	110	124	86	95

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	80-120
DCA = 1,2-Dichloroethane-d4 (Surr)	64-124
TOL = Toluene-d8 (Surr)	80-120
BFB = 4-Bromofluorobenzene (Surr)	75-120

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.: 180-13537-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 7082215.D

Lab ID: LCS 180-45860/9 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethene	0.400	0.386	97	65-130	
1,2-Dichloroethane	0.400	0.496	124	67-132	
2-Butanone (MEK)	0.400	0.441	110	10-150	
Benzene	0.400	0.400	100	76-120	
Carbon tetrachloride	0.400	0.490	123	67-136	
Chlorobenzene	0.400	0.420	105	78-118	
Chloroform	0.400	0.440	110	72-124	
Tetrachloroethene	0.400	0.412	103	70-130	
Trichloroethene	0.400	0.447	112	70-130	
Vinyl chloride	0.400	0.312	78	51-133	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Matrix: Water (TCLP) Level: Low Lab File ID: 7082212.D

Lab ID: 180-13635-D-1-C MS Client ID:

COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC	QC LIMITS REC	#
1,1-Dichloroethene	1.60	ND	1.49	93	65-130	
1,2-Dichloroethane	1.60	ND	1.93	121	67-132	
2-Butanone (MEK)	1.60	ND	1.85	115	10-150	
Benzene	1.60	ND	1.56	98	76-120	
Carbon tetrachloride	1.60	ND	1.90	119	67-136	
Chlorobenzene	1.60	ND	1.65	103	78-118	
Chloroform	1.60	ND	1.70	106	72-124	
Tetrachloroethene	1.60	ND	1.66	104	70-130	
Trichloroethene	1.60	ND	2.36	147	70-130	F
Vinyl chloride	1.60	ND	1.21	75	51-133	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Matrix: Water (TCLP) Level: Low Lab File ID: 7082216.D

Lab ID: 180-13635-D-1-D MSD Client ID:

COMPOUND	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1-Dichloroethene	1.60	1.70	106	13	20	65-130	
1,2-Dichloroethane	1.60	2.17	136	12	20	67-132	F
2-Butanone (MEK)	1.60	2.14	134	15	34	10-150	
Benzene	1.60	1.59	100	2	20	76-120	
Carbon tetrachloride	1.60	2.10	131	10	20	67-136	
Chlorobenzene	1.60	1.65	103	0	20	78-118	
Chloroform	1.60	1.84	115	8	20	72-124	
Tetrachloroethene	1.60	1.52	95	9	20	70-130	
Trichloroethene	1.60	1.73	108	31	20	70-130	F
Vinyl chloride	1.60	1.44	90	18	20	51-133	

Column to be used to flag recovery and RPD values

FORM III 8260B

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

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab File ID: 7081701.D BFB Injection Date: 08/17/2012

Instrument ID: HP7 BFB Injection Time: 01:34

Analysis Batch No.: 45373

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	15.3	
75	30.0 - 60.0 % of mass 95	48.8	
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	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	79.4	
175	5.0 - 9.0 % of mass 174	5.7	(7.1)1
176	95.0 - 101.0 % of mass 174	78.1	(98.4)1
177	5.0 - 9.0 % of mass 176	4.8	(6.2)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 180-45373/2	7081703.D	08/17/2012	02:39
	IC 180-45373/3	7081704.D	08/17/2012	03:13
	ICIS 180-45373/4	7081705.D	08/17/2012	03:44
	IC 180-45373/5	7081706.D	08/17/2012	04:16
	IC 180-45373/6	7081707.D	08/17/2012	04:46
	IC 180-45373/7	7081708.D	08/17/2012	05:18
	IC 180-45373/8	7081713.D	08/17/2012	07:49

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

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab File ID: 7082206.D BFB Injection Date: 08/22/2012

Instrument ID: HP7 BFB Injection Time: 03:46

Analysis Batch No.: 45860

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.8	
75	30.0 - 60.0 % of mass 95	52.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.3	
173	Less than 2.0 % of mass 174	0.7	(0.8)1
174	50.0 - 120.00 % of mass 95	85.6	
175	5.0 - 9.0 % of mass 174	6.6	(7.7)1
176	95.0 - 101.0 % of mass 174	82.6	(96.5)1
177	5.0 - 9.0 % of mass 176	5.1	(6.2)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 180-45860/2	7082207.D	08/22/2012	05:07
	LB 180-45830/6-A	7082210.D	08/22/2012	07:21
	180-13635-D-1-C MS	7082212.D	08/22/2012	08:17
	LCS 180-45860/9	7082215.D	08/22/2012	10:07
	180-13635-D-1-D MSD	7082216.D	08/22/2012	10:32
IDW-1	180-13537-7	7082225.D	08/22/2012	14:29

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

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Sample No.: CCVIS 180-45860/2 Date Analyzed: 08/22/2012 05:07

Instrument ID: HP7 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): 7082207.D Heated Purge: (Y/N) N

Calibration ID: 6285

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		970066	7.36	238444	10.45	372570	12.78
UPPER LIMIT		1940132	7.86	476888	10.95	745140	13.28
LOWER LIMIT		485033	6.86	119222	9.95	186285	12.28
LAB SAMPLE ID	CLIENT SAMPLE ID						
LB 180-45830/6-A		1002309	7.37	289524	10.45	402219	12.78
180-13635-D-1-C MS		1084563	7.36	275137	10.45	385148	12.78
LCS 180-45860/9		1087323	7.36	273592	10.45	400246	12.78
180-13635-D-1-D MSD		901878	7.36	238791	10.45	377631	12.78
180-13537-7	IDW-1	1158420	7.37	320900	10.46	495628	12.78

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.: 180-13537-1

SDG No.:

Client Sample ID: IDW-1 Lab Sample ID: 180-13537-7

Matrix: Water (TCLP) Lab File ID: 7082225.D

Analysis Method: 8260B Date Collected: 08/16/2012 13:30

Sample wt/vol: 5(mL) Date Analyzed: 08/22/2012 14:29

Soil Aliquot Vol: Dilution Factor: 40

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 45860 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	ND		0.20	0.043
107-06-2	1,2-Dichloroethane	ND		0.20	0.038
78-93-3	2-Butanone (MEK)	ND		0.20	0.043
71-43-2	Benzene	ND		0.20	0.040
56-23-5	Carbon tetrachloride	ND		0.20	0.043
108-90-7	Chlorobenzene	ND		0.20	0.021
67-66-3	Chloroform	ND		0.20	0.040
127-18-4	Tetrachloroethene	ND		0.20	0.033
79-01-6	Trichloroethene	ND		0.20	0.032
75-01-4	Vinyl chloride	ND		0.20	0.052

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	81		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	122		64-124
460-00-4	4-Bromofluorobenzene (Surr)	85		75-120
1868-53-7	Dibromofluoromethane (Surr)	105		80-120

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\PITSVR06\D\chem\hp7.i\7082212d.b\7082225.D
Lab Smp Id: 180-13537-A-7-C
Inj Date : 22-AUG-2012 14:29 MS Autotune Date: 29-DEC-2009 18:31
Operator : 430936 Inst ID: hp7.i
Smp Info : 180-13537-A-7-C, 40x
Misc Info : 7082212d.b,T8260bh2o.m,1-dwh2o.sub
Comment :
Method : \\PITSVR06\D\chem\hp7.i\7082212d.b\T8260bh2o.m
Meth Date : 22-Aug-2012 08:50 journetp Quant Type: ISTD
Cal Date : 17-AUG-2012 05:18 Cal File: 7081708.D
Als bottle: 4
Dil Factor: 40.00000
Integrator: HP RTE Compound Sublist: 1-dwh2o.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	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 49 Fluorobenzene (IS)	96	7.366	7.357	(1.000)	1158420	250.000	
* 77 Chlorobenzene-d5	119	10.456	10.454	(1.000)	320900	250.000	
* 100 1,4-Dichlorobenzene-d4	152	12.780	12.778	(1.000)	495628	250.000	
$ 40 Dibromofluoromethane (Surr)	113	6.623	6.609	(0.899)	295749	262.726	262.7
$ 46 1,2-Dichloroethane-d4	65	6.994	6.986	(0.950)	316388	305.704	305.7
$ 67 Toluene-d8	98	9.014	9.012	(0.862)	994763	203.663	203.7
$ 86 Bromofluorobenzene (Surr)	95	11.624	11.622	(1.112)	436652	212.152	212.2
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
5 Bromomethane	94	Compound Not Detected.					
7 Chloroethane	64	Compound Not Detected.					
8 Trichlorofluoromethane	101	Compound Not Detected.					
13 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.					
14 Acetone	43	Compound Not Detected.					
20 Methylene Chloride	84	Compound Not Detected.					
24 trans-1,2-Dichloroethene	96	Compound Not Detected.					
25 Methyl tert-butyl ether	73	Compound Not Detected.					
28 1,1-Dichloroethane	63	Compound Not Detected.					
32 2,2-Dichloropropane	77	Compound Not Detected.					
33 cis-1,2-dichloroethene	96	Compound Not Detected.					
M 116 1,2-Dichloroethene (total)	96	Compound Not Detected.					
36 Bromochloromethane	128	Compound Not Detected.					
34 2-Butanone	43	Compound Not Detected.					
38 Chloroform	83	Compound Not Detected.					
41 1,1,1-Trichloroethane	97	Compound Not Detected.					
44 1,1-Dichloropropene	75	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
45 Carbon Tetrachloride	117	Compound Not Detected.					
47 Benzene	78	Compound Not Detected.					
48 1,2-Dichloroethane	62	Compound Not Detected.					
54 Trichloroethene	130	Compound Not Detected.					
56 1,2-Dichloropropane	63	Compound Not Detected.					
57 Dibromomethane	93	Compound Not Detected.					
60 Bromodichloromethane	83	Compound Not Detected.					
63 cis-1,3-Dichloropropene	75	Compound Not Detected.					
65 4-Methyl-2-Pentanone	43	Compound Not Detected.					
68 Toluene	91	Compound Not Detected.					
69 trans-1,3-Dichloropropene	75	Compound Not Detected.					
72 1,3-Dichloropropane	76	Compound Not Detected.					
70 1,1,2-Trichloroethane	97	Compound Not Detected.					
71 Tetrachloroethene	164	Compound Not Detected.					
74 2-Hexanone	43	Compound Not Detected.					
75 Dibromochloromethane	129	Compound Not Detected.					
76 1,2-Dibromoethane	107	Compound Not Detected.					
78 Chlorobenzene	112	Compound Not Detected.					
79 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
80 Ethylbenzene	106	Compound Not Detected.					
81 m + p-Xylene	106	Compound Not Detected.					
82 Xylene-o	106	Compound Not Detected.					
83 Styrene	104	Compound Not Detected.					
84 Bromoform	173	Compound Not Detected.					
85 Isopropylbenzene	105	Compound Not Detected.					
88 Bromobenzene	156	Compound Not Detected.					
90 n-Propylbenzene	120	Compound Not Detected.					
91 2-Chlorotoluene	126	Compound Not Detected.					
87 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
89 1,2,3-Trichloropropane	110	Compound Not Detected.					
93 4-Chlorotoluene	126	Compound Not Detected.					
92 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
95 tert-Butylbenzene	119	Compound Not Detected.					
96 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
97 sec-Butylbenzene	105	Compound Not Detected.					
99 4-Isopropyltoluene	119	Compound Not Detected.					
98 1,3-Dichlorobenzene	146	Compound Not Detected.					
103 n-Butylbenzene	91	Compound Not Detected.					
101 1,4-Dichlorobenzene	146	Compound Not Detected.					
104 1,2-Dichlorobenzene	146	Compound Not Detected.					
106 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
108 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
109 Hexachlorobutadiene	225	Compound Not Detected.					
110 Naphthalene	128	15.049	15.047	(1.178)	2095	1.39744	55.90
111 1,2,3-Trichlorobenzene	180	15.298	15.296	(1.197)	574	0.79443	31.78(Q)
18 Methyl Acetate	43	Compound Not Detected.					
42 Cyclohexane	56	Compound Not Detected.					
55 Methyl Cyclohexane	83	Compound Not Detected.					
107 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
M 117 Xylenes (total)	106	Compound Not Detected.					

QC Flag Legend

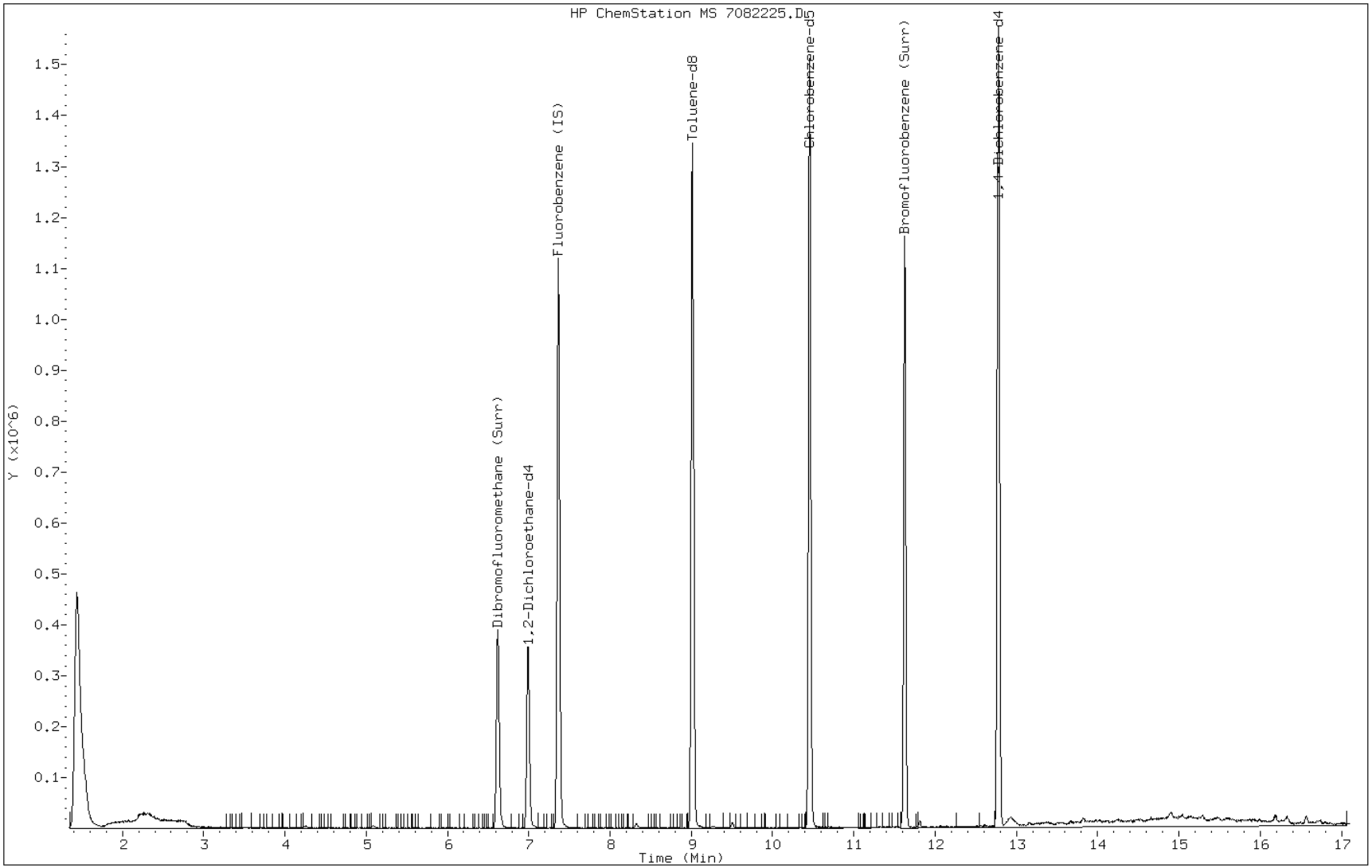
Q - Qualifier signal failed the ratio test.

Data File: 7082225.D

Date: 22-AUG-2012 14:29

Client ID: Instrument: hp7.i

Sample Info: 180-13537-A-7-C, 40x Operator: 430936



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

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 45373

SDG No.:

Instrument ID: HP7 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/17/2012 02:39 Calibration End Date: 08/17/2012 07:49 Calibration ID: 6285

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-45373/8	7081713.D
Level 2	IC 180-45373/2	7081703.D
Level 3	IC 180-45373/3	7081704.D
Level 4	ICIS 180-45373/4	7081705.D
Level 5	IC 180-45373/5	7081706.D
Level 6	IC 180-45373/6	7081707.D
Level 7	IC 180-45373/7	7081708.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	0.5336 0.3612	0.4591 0.3441	0.6798	0.4191	0.4468	Ave		0.4634				24.7	*	15.0			
Chloromethane	0.7176 0.4599	0.6376 0.3984	0.7165	0.5667	0.5873	Ave		0.5834			0.1000	20.8	*	15.0			
Vinyl chloride	0.6731 0.4631	0.6474 0.4137	0.8208	0.5650	0.5921	Ave		0.5965				22.8	*	15.0			
Bromomethane	0.2969 0.1522	0.2028 0.1357	0.2133	0.1808	0.1825	Ave		0.1949				26.9	*	15.0			
Chloroethane	0.1236 0.0990	0.1200 0.0920	0.1414	0.1101	0.1163	Ave		0.1146				14.3		15.0			
Trichlorofluoromethane	0.5004 0.3533	0.4451 0.2629	0.5894	0.3888	0.3947	Ave		0.4192				25.1	*	15.0			
1,1-Dichloroethene	0.4251 0.2931	0.3279 0.2607	0.4641	0.3442	0.3494	Ave		0.3521				20.2		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.3847 0.2701	0.3299 0.2479	0.5241	0.3252	0.3278	Ave		0.3442				26.4	*	15.0			
Acetone	0.0730 0.0449	0.0652 0.0435	0.0653	0.0548	0.0585	Ave		0.0579				19.0	*	15.0			
Carbon disulfide	1.2332 0.9441	1.0470 0.8084	1.4488	1.1187	1.1408	Ave		1.1059				18.6	*	15.0			
Acetonitrile	0.0096 0.0121	0.0148 0.0110	0.0169	0.0148	0.0147	Ave		0.0134				19.4	*	15.0			
Methyl acetate	0.2013 0.1158	0.1915 0.1010	0.1677	0.1389	0.1409	Ave		0.1510				24.8	*	15.0			
Methylene Chloride	0.7033 0.3101	0.4123 0.2669	0.4030	0.3899	0.3852	Ave		0.4101				34.1	*	15.0			
trans-1,2-Dichloroethene	0.4385 0.3095	0.3856 0.2670	0.4132	0.3733	0.3698	Ave		0.3653				16.2	*	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 CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 45373

SDG No.:

Instrument ID: HP7 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/17/2012 02:39 Calibration End Date: 08/17/2012 07:49 Calibration ID: 6285

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	0.9370 0.6149	0.8163 0.5420	0.8392	0.7572	0.7594	Ave		0.7523				17.9	*	15.0			
1,1-Dichloroethane	0.7273 0.5163	0.6680 0.4388	0.6608	0.6270	0.6255	Ave		0.6091			0.1000	16.2	*	15.0			
2,2-Dichloropropane	0.4878 0.3548	0.4592 0.2997	0.5243	0.4231	0.4266	Ave		0.4251				18.1	*	15.0			
cis-1,2-Dichloroethene	0.4417 0.3005	0.4105 0.2529	0.3816	0.3713	0.3649	Ave		0.3605				17.9	*	15.0			
2-Butanone (MEK)	0.0707 0.0585	0.0763 0.0525	0.0697	0.0653	0.0641	Ave		0.0653				12.2		15.0			
Bromochloromethane	0.1648 0.1251	0.1552 0.1088	0.1439	0.1446	0.1475	Ave		0.1414				13.3		15.0			
Chloroform	0.6352 0.4283	0.5781 0.3608	0.5425	0.5233	0.5227	Ave		0.5130				17.9		30.0			
1,1,1-Trichloroethane	0.5500 0.3701	0.5083 0.3162	0.5820	0.4555	0.4558	Ave		0.4626				20.5	*	15.0			
Cyclohexane	0.8263 0.4858	0.7218 0.4173	0.9477	0.6131	0.6095	Ave		0.6602				28.2	*	15.0			
Carbon tetrachloride	0.4070 0.3004	0.3757 0.2652	0.4589	0.3478	0.3512	Ave		0.3580				18.0	*	15.0			
1,1-Dichloropropene	0.4724 0.3201	0.4475 0.2758	0.4707	0.3900	0.3804	Ave		0.3938				19.3	*	15.0			
Benzene	1.4239 0.8869	1.3216 0.7192	1.2065	1.1292	1.0950	Ave		1.1118				21.9	*	15.0			
1,2-Dichloroethane	0.3150 0.2183	0.2886 0.1901	0.2564	0.2539	0.2519	Ave		0.2534				16.3	*	15.0			
Trichloroethene	0.3241 0.2512	0.3114 0.2240	0.3180	0.2792	0.2782	Ave		0.2837				13.1		15.0			
Methylcyclohexane	0.8123 0.5083	0.7231 0.4303	0.9728	0.6309	0.6339	Ave		0.6731				27.2	*	15.0			
1,2-Dichloropropane	0.3101 0.2209	0.2721 0.1982	0.2473	0.2426	0.2411	Ave		0.2475				14.5		30.0			
Dibromomethane	0.1577 0.1183	0.1422 0.1046	0.1317	0.1295	0.1322	Ave		0.1309				12.9		15.0			
Dichlorobromomethane	0.3022 0.2772	0.3019 0.2475	0.2824	0.2910	0.2916	Ave		0.2848				6.6		15.0			
cis-1,3-Dichloropropene	0.3841 0.3246	0.3484 0.2780	0.3451	0.3389	0.3490	Ave		0.3383				9.5		15.0			
4-Methyl-2-pentanone (MIBK)	0.6178 0.5719	0.7112 0.5183	0.6179	0.5954	0.6160	Ave		0.6069				9.6		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.: 180-13537-1 Analy Batch No.: 45373

SDG No.:

Instrument ID: HP7 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/17/2012 02:39 Calibration End Date: 08/17/2012 07:49 Calibration ID: 6285

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	5.3119 3.4613	5.6026 2.7910	4.7206	4.2389	4.0778	Ave		4.3149				23.0		30.0			
trans-1,3-Dichloropropene	1.2977 1.1149	1.3248 0.9479	1.1788	1.1786	1.2030	Ave		1.1780				10.6		15.0			
1,1,2-Trichloroethane	0.9281 0.6906	0.9078 0.5974	0.7688	0.7428	0.7591	Ave		0.7707				15.1	*	15.0			
Tetrachloroethene	1.1349 0.8692	1.1445 0.7544	1.1575	0.9322	0.9222	Ave		0.9878				16.1	*	15.0			
1,3-Dichloropropane	1.5016 1.0499	1.3692 0.8866	1.2617	1.2019	1.1927	Ave		1.2091				16.7	*	15.0			
2-Hexanone	0.3692 0.3477	0.3827 0.3092	0.3760	0.3510	0.3668	Ave		0.3575				6.9		15.0			
Chlorodibromomethane	0.7139 0.7531	0.7479 0.6818	0.7168	0.7470	0.7595	Ave		0.7314				3.8		15.0			
1,2-Dibromoethane	0.8901 0.7144	0.8497 0.6164	0.7871	0.7743	0.8006	Ave		0.7761				11.6		15.0			
Chlorobenzene	3.2376 2.2247	3.0800 1.8592	2.8771	2.6557	2.6426	Ave		2.6538			0.3000	18.1	*	15.0			
1,1,1,2-Tetrachloroethane	0.9807 0.9203	1.1598 0.8309	1.0728	1.0337	1.0076	Ave		1.0008				10.6		15.0			
Ethylbenzene	1.8243 1.3446	1.7404 1.1827	1.7119	1.5007	1.5079	Ave		1.5447				14.9		30.0			
m-Xylene & p-Xylene	2.2890 1.5006	2.1901 1.2475	2.1053	1.8114	1.8005	Ave		1.8492				20.5	*	15.0			
o-Xylene	2.6217 1.8515	2.5367 1.6026	2.4250	2.1938	2.1738	Ave		2.2007				16.8	*	15.0			
Styrene	3.7845 2.5532	3.6147 2.1049	3.3989	3.1022	3.1167	Ave		3.0964				19.2	*	15.0			
Bromoform	0.4247 0.4744	0.4402 0.4607	0.4401	0.4526	0.4705	Ave		0.4519			0.1000	4.0		15.0			
Isopropylbenzene	6.9002 4.0852	7.0963 3.2390	6.8576	5.4600	5.2953	Ave		5.5619				27.0	*	15.0			
1,1,2,2-Tetrachloroethane	0.7068 0.5620	0.6419 0.5097	0.6522	0.6367	0.6317	Ave		0.6201			0.3000	10.4		15.0			
Bromobenzene	1.0194 0.7645	0.8712 0.6752	0.8595	0.8392	0.8386	Ave		0.8382				12.5		15.0			
1,2,3-Trichloropropane	0.1948 0.1472	0.1625 0.1424	0.1653	0.1630	0.1663	Ave		0.1631				10.3		15.0			
N-Propylbenzene	1.2459 0.8912	1.0110 0.8137	1.1143	0.9587	0.9624	Ave		0.9996				14.3		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.: 180-13537-1 Analy Batch No.: 45373

SDG No.:

Instrument ID: HP7 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/17/2012 02:39 Calibration End Date: 08/17/2012 07:49 Calibration ID: 6285

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								
2-Chlorotoluene	1.0470 0.7871	0.8761 0.7167	0.9273	0.8631	0.8526	Ave		0.8671				12.0		15.0			
1,3,5-Trimethylbenzene	3.8599 2.3382	3.3860 1.8898	3.4785	2.9820	2.8220	Ave		2.9652				23.1	*	15.0			
4-Chlorotoluene	1.0430 0.7004	0.8104 0.6656	0.8330	0.7608	0.7857	Ave		0.7998				15.3	*	15.0			
tert-Butylbenzene	3.3570 2.3688	3.1596 1.9458	3.4325	2.8391	2.7547	Ave		2.8368				19.0	*	15.0			
1,2,4-Trimethylbenzene	3.9719 2.4076	3.5008 1.9970	3.4717	3.0548	2.9652	Ave		3.0527				22.2	*	15.0			
sec-Butylbenzene	5.2083 3.0962	4.6271 2.4435	5.2010	3.9848	3.7914	Ave		4.0503				25.8	*	15.0			
1,3-Dichlorobenzene	1.9903 1.4150	1.8459 1.2249	1.7990	1.6754	1.6516	Ave		1.6574				15.8	*	15.0			
4-Isopropyltoluene	4.2252 2.5294	3.6860 2.0220	4.0681	3.2307	3.0778	Ave		3.2627				24.6	*	15.0			
1,4-Dichlorobenzene	1.8210 1.3432	1.6697 1.1847	1.6292	1.5332	1.5092	Ave		1.5272				13.9		15.0			
n-Butylbenzene	4.0929 2.4916	3.7656 1.9809	4.1853	3.2117	3.0634	Ave		3.2559				25.3	*	15.0			
1,2-Dichlorobenzene	1.7305 1.1993	1.6082 1.0527	1.5708	1.4501	1.4133	Ave		1.4321				16.6	*	15.0			
1,2-Dibromo-3-Chloropropane	0.0678 0.0875	0.0744 0.0908	0.0861	0.0851	0.0923	Ave		0.0834				10.8		15.0			
1,3,5-Trichlorobenzene	1.1771 0.8529	1.1063 0.7664	1.1910	1.0069	1.0222	Ave		1.0175				15.7	*	15.0			
1,2,4-Trichlorobenzene	0.5534 0.5180	0.6314 0.4919	0.6561	0.6554	0.6969	Ave		0.6004				13.1		15.0			
Hexachlorobutadiene	0.5430 0.4066	0.5324 0.3828	0.6832	0.5305	0.4891	Ave		0.5097				19.5	*	15.0			
Naphthalene	0.5728 0.6408	0.8097 0.6369	0.7714	0.8807	0.9811	Ave		0.7562				19.5	*	15.0			
1,2,3-Trichlorobenzene	0.2874 0.3008	0.3670 0.3118	0.3535	0.4307	0.5000	Ave		0.3645				21.1	*	15.0			
Dibromofluoromethane (Surr)	0.2923 0.2093	0.2670 0.1825	0.2532	0.2504	0.2459	Ave		0.2429				15.0					
1,2-Dichloroethane-d4 (Surr)	0.2751 0.1979	0.2463 0.1747	0.2240	0.2249	0.2205	Ave		0.2234				14.4		15.0			
Toluene-d8 (Surr)	4.7334 3.0953	4.8033 2.4945	4.0748	3.7978	3.6372	Ave		3.8052				21.9	*	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.: 180-13537-1 Analy Batch No.: 45373

SDG No.:

Instrument ID: HP7 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/17/2012 02:39 Calibration End Date: 08/17/2012 07:49 Calibration ID: 6285

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								
4-Bromofluorobenzene (Surr)	1.9696 1.3679	1.8327 1.2230	1.6845	1.5733	1.5733	Ave		1.6035				16.0	*	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.: 180-13537-1 Analy Batch No.: 45373

SDG No.:

Instrument ID: HP7 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/17/2012 02:39 Calibration End Date: 08/17/2012 07:49 Calibration ID: 6285

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-45373/8	7081713.D
Level 2	IC 180-45373/2	7081703.D
Level 3	IC 180-45373/3	7081704.D
Level 4	ICIS 180-45373/4	7081705.D
Level 5	IC 180-45373/5	7081706.D
Level 6	IC 180-45373/6	7081707.D
Level 7	IC 180-45373/7	7081708.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	52063 948771	85726 1729422	275304	314886	402421	25.0 625	50.0 1250	125	200	250
Chloromethane	FB	Ave	70016 1208150	119057 2002350	290170	425796	529022	25.0 625	50.0 1250	125	200	250
Vinyl chloride	FB	Ave	65674 1216427	120891 2079405	332423	424504	533324	25.0 625	50.0 1250	125	200	250
Bromomethane	FB	Ave	28972 399937	37858 682208	86373	135864	164396	25.0 625	50.0 1250	125	200	250
Chloroethane	FB	Ave	12057 260048	22408 462154	57254	82748	104769	25.0 625	50.0 1250	125	200	250
Trichlorofluoromethane	FB	Ave	48828 928204	83113 1321403	238709	292076	355490	25.0 625	50.0 1250	125	200	250
1,1-Dichloroethene	FB	Ave	41477 769951	61230 1310499	187946	258606	314747	25.0 625	50.0 1250	125	200	250
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	37534 709428	61602 1245871	212252	244295	295223	25.0 625	50.0 1250	125	200	250
Acetone	FB	Ave	7121 117822	12169 218526	26452	41166	52653	25.0 625	50.0 1250	125	200	250
Carbon disulfide	FB	Ave	120329 2479960	195498 4063042	586740	840512	1027540	25.0 625	50.0 1250	125	200	250
Acetonitrile	FB	Ave	18649 636593	55376 1103860	137150	222757	264430	500 12500	1000 25000	2500	4000	5000
Methyl acetate	FB	Ave	19642 304072	35759 507829	67922	104347	126927	25.0 625	50.0 1250	125	200	250
Methylene Chloride	FB	Ave	68624 814628	76988 1341475	163226	292950	346966	25.0 625	50.0 1250	125	200	250
trans-1,2-Dichloroethene	FB	Ave	42782 813047	72005 1341758	167333	280442	333096	25.0 625	50.0 1250	125	200	250
Methyl tert-butyl ether	FB	Ave	91428 1615281	152417 2724122	339842	568882	684030	25.0 625	50.0 1250	125	200	250

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 45373

SDG No.:

Instrument ID: HP7 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/17/2012 02:39 Calibration End Date: 08/17/2012 07:49 Calibration ID: 6285

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	70963 1356294	124727 2205443	267613	471072	563380	25.0 625	50.0 1250	125	200	250
2,2-Dichloropropane	FB	Ave	47599 932018	85738 1506519	212329	317897	384267	25.0 625	50.0 1250	125	200	250
cis-1,2-Dichloroethene	FB	Ave	43097 789435	76639 1270879	154541	278970	328678	25.0 625	50.0 1250	125	200	250
2-Butanone (MEK)	FB	Ave	6896 153677	14254 263899	28226	49028	57765	25.0 625	50.0 1250	125	200	250
Bromochloromethane	FB	Ave	16084 328724	28970 547078	58279	108609	132817	25.0 625	50.0 1250	125	200	250
Chloroform	FB	Ave	61980 1125121	107933 1813260	219694	393122	470812	25.0 625	50.0 1250	125	200	250
1,1,1-Trichloroethane	FB	Ave	53670 972220	94911 1589059	235678	342216	410550	25.0 625	50.0 1250	125	200	250
Cyclohexane	FB	Ave	80621 1276082	134771 2097530	383792	460647	549027	25.0 625	50.0 1250	125	200	250
Carbon tetrachloride	FB	Ave	39715 789236	70153 1333021	185829	261267	316374	25.0 625	50.0 1250	125	200	250
1,1-Dichloropropene	FB	Ave	46094 840776	83562 1386114	190641	293019	342634	25.0 625	50.0 1250	125	200	250
Benzene	FB	Ave	138941 2329785	246772 3614711	488599	848338	986311	25.0 625	50.0 1250	125	200	250
1,2-Dichloroethane	FB	Ave	30733 573374	53882 955264	103835	190742	226866	25.0 625	50.0 1250	125	200	250
Trichloroethene	FB	Ave	31623 659765	58135 1125670	128765	209740	250587	25.0 625	50.0 1250	125	200	250
Methylcyclohexane	FB	Ave	79262 1335181	135008 2162745	393978	474001	570986	25.0 625	50.0 1250	125	200	250
1,2-Dichloropropane	FB	Ave	30254 580407	50809 996325	100164	182253	217123	25.0 625	50.0 1250	125	200	250
Dibromomethane	FB	Ave	15392 310681	26545 525662	53348	97290	119109	25.0 625	50.0 1250	125	200	250
Dichlorobromomethane	FB	Ave	29488 728133	56367 1244093	114386	218620	262621	25.0 625	50.0 1250	125	200	250
cis-1,3-Dichloropropene	FB	Ave	37483 852594	65044 1397098	139750	254619	314343	25.0 625	50.0 1250	125	200	250
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	15075 341046	27422 600487	58933	101232	129685	25.0 625	50.0 1250	125	200	250
Toluene	CBZ	Ave	129615 2064074	216021 3233567	450214	720681	858468	25.0 625	50.0 1250	125	200	250
trans-1,3-Dichloropropene	CBZ	Ave	31665 664840	51083 1098153	112424	200379	253255	25.0 625	50.0 1250	125	200	250

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 45373

SDG No.:

Instrument ID: HP7 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/17/2012 02:39 Calibration End Date: 08/17/2012 07:49 Calibration ID: 6285

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	22647 411836	35001 692179	73320	126280	159806	25.0 625	50.0 1250	125	200	250
Tetrachloroethene	CBZ	Ave	27692 518315	44129 874049	110388	158491	194152	25.0 625	50.0 1250	125	200	250
1,3-Dichloropropane	CBZ	Ave	36640 626079	52794 1027162	120328	204336	251098	25.0 625	50.0 1250	125	200	250
2-Hexanone	CBZ	Ave	9010 207367	14755 358211	35863	59675	77221	25.0 625	50.0 1250	125	200	250
Chlorodibromomethane	CBZ	Ave	17421 449097	28839 789908	68361	127007	159893	25.0 625	50.0 1250	125	200	250
1,2-Dibromoethane	CBZ	Ave	21719 426025	32764 714152	75071	131648	168548	25.0 625	50.0 1250	125	200	250
Chlorobenzene	CBZ	Ave	79001 1326676	118756 2154014	274393	451501	556315	25.0 625	50.0 1250	125	200	250
1,1,1,2-Tetrachloroethane	CBZ	Ave	23929 548819	44720 962606	102318	175748	212127	25.0 625	50.0 1250	125	200	250
Ethylbenzene	CBZ	Ave	44515 801854	67105 1370272	163269	255148	317453	25.0 625	50.0 1250	125	200	250
m-Xylene & p-Xylene	CBZ	Ave	111710 1789701	168893 2890642	401563	615928	758085	50.0 1250	100 2500	250	400	500
o-Xylene	CBZ	Ave	63972 1104119	97808 1856688	231273	372976	457623	25.0 625	50.0 1250	125	200	250
Styrene	CBZ	Ave	92346 1522547	139374 2438669	324158	527426	656125	25.0 625	50.0 1250	125	200	250
Bromoform	CBZ	Ave	10363 282898	16973 533714	41977	76956	99050	25.0 625	50.0 1250	125	200	250
Isopropylbenzene	CBZ	Ave	168372 2436171	273617 3752565	654017	928278	1114768	25.0 625	50.0 1250	125	200	250
1,1,2,2-Tetrachloroethane	DCB	Ave	26143 483921	43258 854377	100988	165436	205785	25.0 625	50.0 1250	125	200	250
Bromobenzene	DCB	Ave	37709 658308	58708 1131866	133088	218040	273200	25.0 625	50.0 1250	125	200	250
1,2,3-Trichloropropane	DCB	Ave	7204 126769	10952 238728	25590	42361	54187	25.0 625	50.0 1250	125	200	250
N-Propylbenzene	DCB	Ave	46085 767485	68133 1363956	172547	249095	313527	25.0 625	50.0 1250	125	200	250
2-Chlorotoluene	DCB	Ave	38730 677817	59038 1201383	143598	224248	277737	25.0 625	50.0 1250	125	200	250
1,3,5-Trimethylbenzene	DCB	Ave	142778 2013508	228182 3167991	538648	774806	919309	25.0 625	50.0 1250	125	200	250
4-Chlorotoluene	DCB	Ave	38581 603111	54613 1115707	128988	197663	255956	25.0 625	50.0 1250	125	200	250

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 45373

SDG No.:

Instrument ID: HP7 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/17/2012 02:39 Calibration End Date: 08/17/2012 07:49 Calibration ID: 6285

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
tert-Butylbenzene	DCB	Ave	124175 2039829	212922 3261859	531526	737664	897384	25.0 625	50.0 1250	125	200	250
1,2,4-Trimethylbenzene	DCB	Ave	146918 2073314	235919 3347532	537601	793727	965977	25.0 625	50.0 1250	125	200	250
sec-Butylbenzene	DCB	Ave	192653 2666237	311820 4096126	805378	1035349	1235130	25.0 625	50.0 1250	125	200	250
1,3-Dichlorobenzene	DCB	Ave	73620 1218515	124398 2053301	278574	435318	538025	25.0 625	50.0 1250	125	200	250
4-Isopropyltoluene	DCB	Ave	156288 2178142	248401 3389510	629952	839422	1002648	25.0 625	50.0 1250	125	200	250
1,4-Dichlorobenzene	DCB	Ave	67357 1156639	112524 1985926	252287	398355	491650	25.0 625	50.0 1250	125	200	250
n-Butylbenzene	DCB	Ave	151394 2145646	253765 3320706	648095	834471	997973	25.0 625	50.0 1250	125	200	250
1,2-Dichlorobenzene	DCB	Ave	64009 1032734	108375 1764687	243245	376785	460413	25.0 625	50.0 1250	125	200	250
1,2-Dibromo-3-Chloropropane	DCB	Ave	2507 75355	5015 152138	13339	22120	30084	25.0 625	50.0 1250	125	200	250
1,3,5-Trichlorobenzene	DCB	Ave	43542 734440	74551 1284667	184430	261629	333012	25.0 625	50.0 1250	125	200	250
1,2,4-Trichlorobenzene	DCB	Ave	20469 446056	42548 824565	101590	170287	227020	25.0 625	50.0 1250	125	200	250
Hexachlorobutadiene	DCB	Ave	20085 350121	35880 641776	105800	137837	159329	25.0 625	50.0 1250	125	200	250
Naphthalene	DCB	Ave	21189 551823	54565 1067645	119445	228820	319623	25.0 625	50.0 1250	125	200	250
1,2,3-Trichlorobenzene	DCB	Ave	10631 259017	24732 522635	54743	111907	162878	25.0 625	50.0 1250	125	200	250
Dibromofluoromethane (Surr)	FB	Ave	28521 549843	49847 917471	102524	188114	221490	25.0 625	50.0 1250	125	200	250
1,2-Dichloroethane-d4 (Surr)	FB	Ave	26842 519887	45991 877961	90727	168970	198653	25.0 625	50.0 1250	125	200	250
Toluene-d8 (Surr)	CBZ	Ave	115500 1845854	185205 2890025	388623	645689	765707	25.0 625	50.0 1250	125	200	250
4-Bromofluorobenzene (Surr)	CBZ	Ave	48061 815712	70664 1416882	160655	267479	331210	25.0 625	50.0 1250	125	200	250

Curve Type Legend:
Ave = Average ISTD

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\D\chem\hp7.i\7081712dH20.b\7081703.D
Lab Smp Id: 7081712d.b Client Smp ID: vstd10
Inj Date : 17-AUG-2012 02:39 MS Autotune Date: 29-DEC-2009 18:31
Operator : 430936 Inst ID: hp7.i
Smp Info : IC, 10
Misc Info : 7081712d.b,T8260bh2o.m,1-dwh2o.sub
Comment :
Method : \\pitsvr06\D\chem\hp7.i\7081712dH20.b\T8260bh2o.m
Meth Date : 17-Aug-2012 09:48 zukowskim Quant Type: ISTD
Cal Date : 17-AUG-2012 07:49 Cal File: 7081713.D
Als bottle: 1 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)	AMOUNTS ON-COL (ng)
* 49 Fluorobenzene (IS)	96	7.360	7.360	(1.000)	933595	250.000	
* 77 Chlorobenzene-d5	119	10.450	10.450	(1.000)	192788	250.000	
* 100 1,4-Dichlorobenzene-d4	152	12.780	12.780	(1.000)	336949	250.000	
$ 40 Dibromofluoromethane (Surr)	113	6.618	6.618	(0.899)	49847	50.0000	54.94
$ 46 1,2-Dichloroethane-d4	65	6.989	6.989	(0.950)	45991	50.0000	55.14
$ 67 Toluene-d8	98	9.015	9.015	(0.863)	185205	50.0000	63.12
$ 86 Bromofluorobenzene (Surr)	95	11.625	11.624	(1.112)	70664	50.0000	57.15
1 Dichlorodifluoromethane	85	1.636	1.648	(0.222)	85726	50.0000	49.54
2 Chloromethane	50	1.800	1.800	(0.245)	119057	50.0000	54.64
3 Vinyl Chloride	62	1.940	1.940	(0.264)	120891	50.0000	54.27
5 Bromomethane	94	2.280	2.280	(0.310)	37858	50.0000	52.02(Q)
7 Chloroethane	64	2.396	2.390	(0.326)	22408	50.0000	52.35
8 Trichlorofluoromethane	101	2.700	2.724	(0.367)	83113	50.0000	53.09
13 1,1,2-trichloro-1,2,2-trifluor	101	3.473	3.485	(0.472)	61602	50.0000	47.92(Q)
12 1,1-Dichloroethene	96	3.418	3.424	(0.464)	61230	50.0000	46.57
15 Carbon Disulfide	76	3.710	3.722	(0.504)	195498	50.0000	47.34
14 Acetone	43	3.619	3.612	(0.492)	12169	50.0000	56.32(Q)
20 Methylene Chloride	84	4.227	4.233	(0.574)	76988	50.0000	50.27
24 trans-1,2-Dichloroethene	96	4.647	4.653	(0.631)	72005	50.0000	52.79
25 Methyl tert-butyl ether	73	4.708	4.714	(0.640)	152417	50.0000	54.25
28 1,1-Dichloroethane	63	5.255	5.261	(0.714)	124727	50.0000	54.83
32 2,2-Dichloropropane	77	6.016	6.015	(0.817)	85738	50.0000	54.01
33 cis-1,2-dichloroethene	96	6.028	6.034	(0.819)	76639	50.0000	56.93
M 116 1,2-Dichloroethene (total)	96				148644	100.000	109.7
36 Bromochloromethane	128	6.314	6.320	(0.858)	28970	50.0000	54.86
34 2-Butanone	43	6.089	6.095	(0.827)	14254	50.0000	58.45
38 Chloroform	83	6.429	6.429	(0.874)	107933	50.0000	56.34
41 1,1,1-Trichloroethane	97	6.618	6.624	(0.899)	94911	50.0000	54.95

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
44 1,1-Dichloropropene	75	6.813	6.812	(0.926)	83562	50.0000	56.81
45 Carbon Tetrachloride	117	6.806	6.812	(0.925)	70153	50.0000	52.47
47 Benzene	78	7.044	7.044	(0.957)	246772	50.0000	59.44
48 1,2-Dichloroethane	62	7.068	7.068	(0.960)	53882	50.0000	56.93
54 Trichloroethene	130	7.756	7.755	(1.054)	58135	50.0000	54.87
56 1,2-Dichloropropane	63	7.993	7.993	(1.086)	50809	50.0000	54.98(Q)
57 Dibromomethane	93	8.114	8.108	(1.102)	26545	50.0000	54.31
60 Bromodichloromethane	83	8.285	8.285	(1.126)	56367	50.0000	52.99
63 cis-1,3-Dichloropropene	75	8.741	8.747	(1.188)	65044	50.0000	51.49
65 4-Methyl-2-Pentanone	43	8.911	8.911	(0.853)	27422	50.0000	58.59(Q)
68 Toluene	91	9.076	9.082	(0.868)	216021	50.0000	64.92
69 trans-1,3-Dichloropropene	75	9.307	9.307	(0.891)	51083	50.0000	56.24
72 1,3-Dichloropropane	76	9.647	9.653	(0.923)	52794	50.0000	56.62
70 1,1,2-Trichloroethane	97	9.489	9.483	(0.908)	35001	50.0000	58.90
71 Tetrachloroethene	164	9.629	9.629	(0.921)	44129	50.0000	57.93
74 2-Hexanone	43	9.739	9.745	(0.932)	14755	50.0000	53.52
75 Dibromochloromethane	129	9.885	9.878	(0.946)	28839	50.0000	51.13
76 1,2-Dibromoethane	107	9.994	9.994	(0.956)	32764	50.0000	54.74
78 Chlorobenzene	112	10.481	10.481	(1.003)	118756	50.0000	58.03
79 1,1,1,2-Tetrachloroethane	131	10.566	10.566	(1.011)	44720	50.0000	57.94(Q)
80 Ethylbenzene	106	10.590	10.590	(1.013)	67105	50.0000	56.34
81 m + p-Xylene	106	10.706	10.706	(1.024)	168893	100.000	118.4
82 Xylene-o	106	11.101	11.101	(1.062)	97808	50.0000	57.63
83 Styrene	104	11.120	11.113	(1.064)	139374	50.0000	58.37
84 Bromoform	173	11.302	11.302	(1.081)	16973	50.0000	48.71
85 Isopropylbenzene	105	11.473	11.472	(1.098)	273617	50.0000	63.79
88 Bromobenzene	156	11.777	11.777	(0.921)	58708	50.0000	51.96
90 n-Propylbenzene	120	11.880	11.880	(0.930)	68133	50.0000	50.57
91 2-Chlorotoluene	126	11.965	11.965	(0.936)	59038	50.0000	50.52
87 1,1,2,2-Tetrachloroethane	83	11.758	11.764	(0.920)	43258	50.0000	51.76
89 1,2,3-Trichloropropane	110	11.807	11.807	(0.924)	10952	50.0000	49.83(Q)
93 4-Chlorotoluene	126	12.081	12.081	(0.945)	54613	50.0000	50.66(Q)
92 1,3,5-Trimethylbenzene	105	12.057	12.056	(0.943)	228182	50.0000	57.10
95 tert-Butylbenzene	119	12.385	12.385	(0.969)	212922	50.0000	55.69
96 1,2,4-Trimethylbenzene	105	12.434	12.427	(0.973)	235919	50.0000	57.34
97 sec-Butylbenzene	105	12.604	12.604	(0.986)	311820	50.0000	57.12
99 4-Isopropyltoluene	119	12.744	12.744	(0.997)	248401	50.0000	56.49
98 1,3-Dichlorobenzene	146	12.720	12.719	(0.995)	124398	50.0000	55.69
103 n-Butylbenzene	91	13.158	13.157	(1.030)	253765	50.0000	57.83
101 1,4-Dichlorobenzene	146	12.805	12.805	(1.002)	112524	50.0000	54.67
104 1,2-Dichlorobenzene	146	13.182	13.182	(1.031)	108375	50.0000	56.15
106 1,2-Dibromo-3-chloropropane	157	13.967	13.967	(1.093)	5015	50.0000	44.59
108 1,2,4-Trichlorobenzene	180	14.800	14.794	(1.158)	42548	50.0000	52.58
109 Hexachlorobutadiene	225	14.964	14.964	(1.171)	35880	50.0000	52.23
110 Naphthalene	128	15.050	15.049	(1.178)	54565	50.0000	53.54
111 1,2,3-Trichlorobenzene	180	15.305	15.299	(1.198)	24732	50.0000	50.35
18 Methyl Acetate	43	4.142	4.142	(0.563)	35759	50.0000	63.41
42 Cyclohexane	56	6.673	6.679	(0.907)	134771	50.0000	54.66
55 Methyl Cyclohexane	83	7.950	7.950	(1.080)	135008	50.0000	53.71
107 1,3,5-Trichlorobenzene	180	14.174	14.173	(1.109)	74551	50.0000	54.36
17 Acetonitrile	40	4.045	4.051	(0.550)	55376	1000.00	1105(M)
M 117 Xylenes (total)	106				266701	150.000	176.1

QC Flag Legend

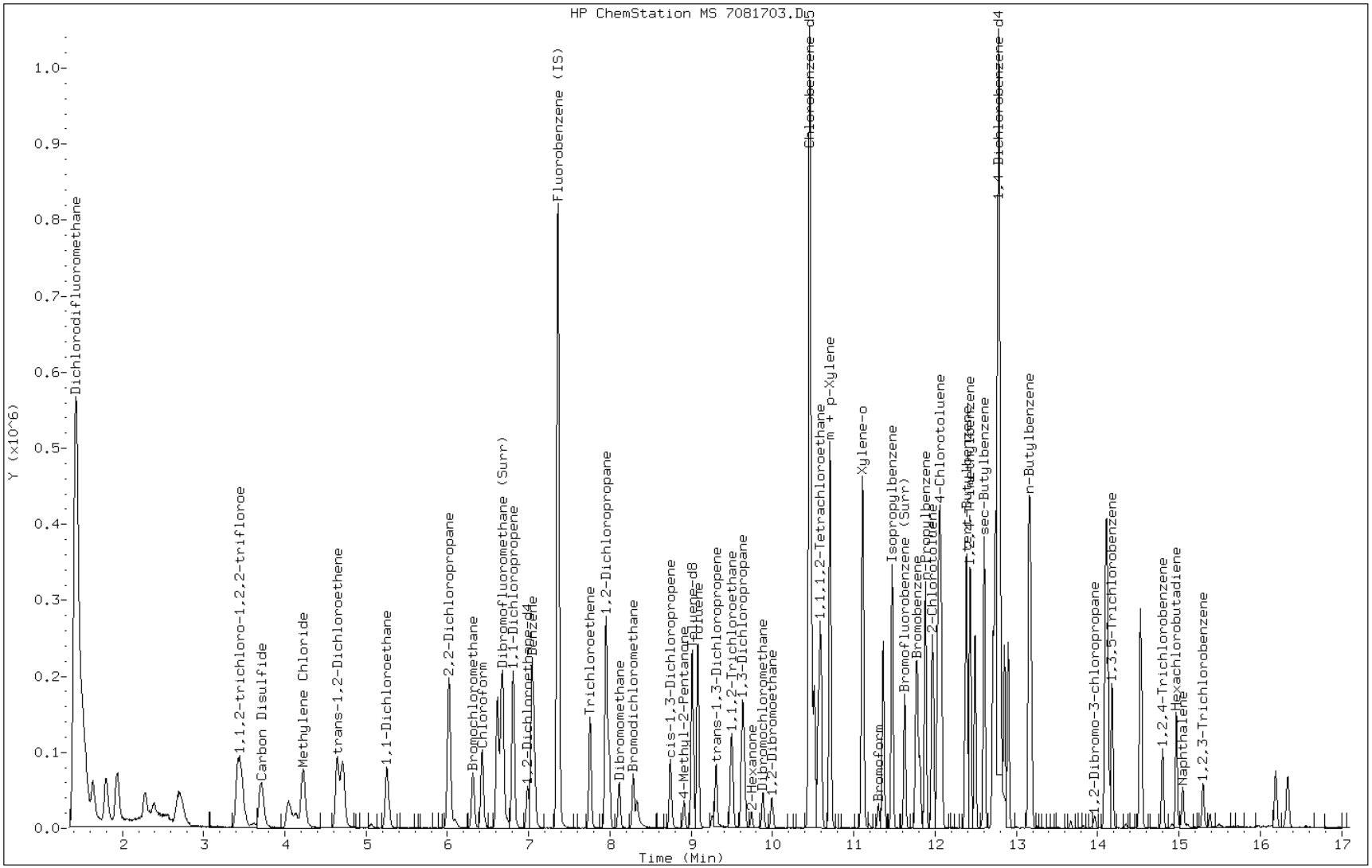
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: 7081703.D

Date: 17-AUG-2012 02:39

Client ID: vstd10 Instrument: hp7.i

Sample Info: IC, 10 Operator: 430936



Manual Integration Report

Data File: 7081703.D
Inj. Date and Time: 17-AUG-2012 02:39
Instrument ID: hp7.i
Client ID: vstd10
Compound: 17 Acetonitrile
CAS #: 75-05-8
Report Date: 08/17/2012

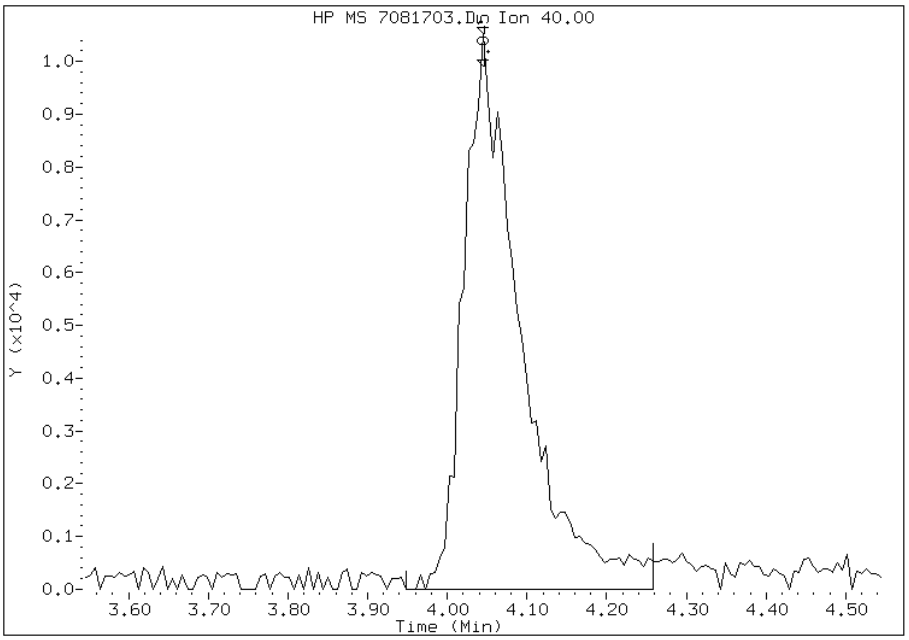
Processing Integration Results

RT: 4.05

Response: 53138

Amount: 819

Conc: 819



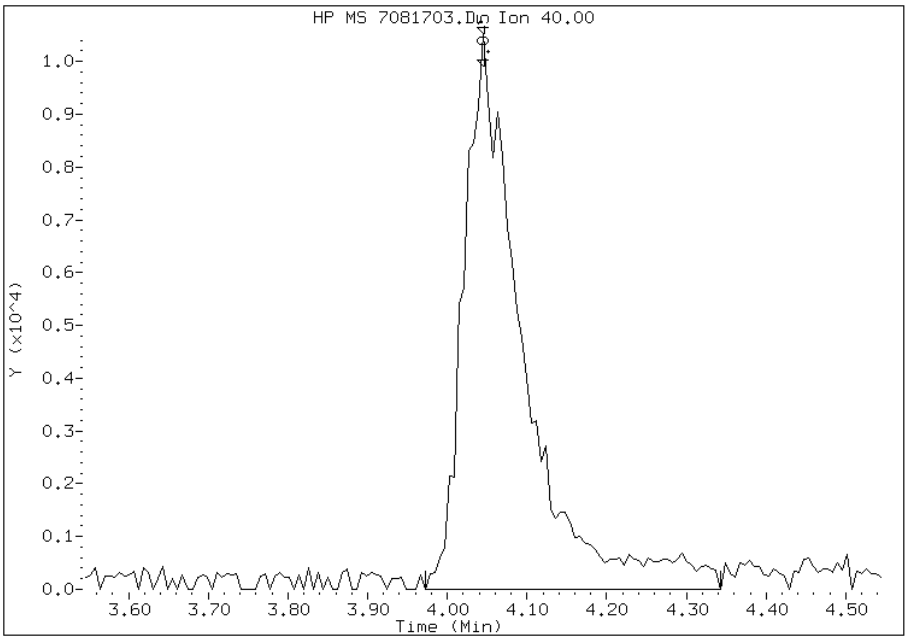
Manual Integration Results

RT: 4.05

Response: 55376

Amount: 1105

Conc: 1105



Manually Integrated By: zukowskim
Modification Date: 17-Aug-2012 09:41
Manual Integration Reason: Peak Integrated Incorrectly

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\D\chem\hp7.i\7081712dH20.b\7081704.D
Lab Smp Id: 7081712d.b Client Smp ID: vstd25
Inj Date : 17-AUG-2012 03:13 MS Autotune Date: 29-DEC-2009 18:31
Operator : 430936 Inst ID: hp7.i
Smp Info : IC, 25
Misc Info : 7081712d.b,T8260bh2o.m,1-dwh2o.sub
Comment :
Method : \\pitsvr06\D\chem\hp7.i\7081712dH20.b\T8260bh2o.m
Meth Date : 17-Aug-2012 09:48 zukowskim Quant Type: ISTD
Cal Date : 17-AUG-2012 07:49 Cal File: 7081713.D
Als bottle: 1 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)	ON-COL (ng)
* 49 Fluorobenzene (IS)	96	7.361	7.360	(1.000)	809957	250.000	
* 77 Chlorobenzene-d5	119	10.457	10.450	(1.000)	190743	250.000	
* 100 1,4-Dichlorobenzene-d4	152	12.781	12.780	(1.000)	309701	250.000	
$ 40 Dibromofluoromethane (Surr)	113	6.613	6.618	(0.898)	102524	125.000	130.2
$ 46 1,2-Dichloroethane-d4	65	6.990	6.989	(0.950)	90727	125.000	125.4
$ 67 Toluene-d8	98	9.009	9.015	(0.862)	388623	125.000	133.8
$ 86 Bromofluorobenzene (Surr)	95	11.625	11.624	(1.112)	160655	125.000	131.3
1 Dichlorodifluoromethane	85	1.642	1.648	(0.223)	275304	125.000	183.4
2 Chloromethane	50	1.801	1.800	(0.245)	290170	125.000	153.5
3 Vinyl Chloride	62	1.940	1.940	(0.264)	332423	125.000	172.0
5 Bromomethane	94	2.281	2.280	(0.310)	86373	125.000	136.8(Q)
7 Chloroethane	64	2.391	2.390	(0.325)	57254	125.000	154.2
8 Trichlorofluoromethane	101	2.689	2.724	(0.365)	238709	125.000	175.7(Q)
13 1,1,2-trichloro-1,2,2-trifluor	101	3.455	3.485	(0.469)	212252	125.000	190.3(Q)
12 1,1-Dichloroethene	96	3.413	3.424	(0.464)	187946	125.000	164.8
15 Carbon Disulfide	76	3.705	3.722	(0.503)	586740	125.000	163.8
14 Acetone	43	3.626	3.612	(0.493)	26452	125.000	141.1(Q)
20 Methylene Chloride	84	4.222	4.233	(0.574)	163226	125.000	122.8
24 trans-1,2-Dichloroethene	96	4.648	4.653	(0.631)	167333	125.000	141.4
25 Methyl tert-butyl ether	73	4.715	4.714	(0.641)	339842	125.000	139.4
28 1,1-Dichloroethane	63	5.256	5.261	(0.714)	267613	125.000	135.6
32 2,2-Dichloropropane	77	6.010	6.015	(0.817)	212329	125.000	154.2
33 cis-1,2-dichloroethene	96	6.022	6.034	(0.818)	154541	125.000	132.3
M 116 1,2-Dichloroethene (total)	96				321874	250.000	273.7
36 Bromochloromethane	128	6.314	6.320	(0.858)	58279	125.000	127.2
34 2-Butanone	43	6.089	6.095	(0.827)	28226	125.000	133.4
38 Chloroform	83	6.430	6.429	(0.874)	219694	125.000	132.2
41 1,1,1-Trichloroethane	97	6.619	6.624	(0.899)	235678	125.000	157.3

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
44 1,1-Dichloropropene	75	6.813	6.812	(0.926)	190641	125.000	149.4
45 Carbon Tetrachloride	117	6.807	6.812	(0.925)	185829	125.000	160.2
47 Benzene	78	7.045	7.044	(0.957)	488599	125.000	135.6
48 1,2-Dichloroethane	62	7.075	7.068	(0.961)	103835	125.000	126.5
54 Trichloroethene	130	7.750	7.755	(1.053)	128765	125.000	140.1
56 1,2-Dichloropropane	63	7.987	7.993	(1.085)	100164	125.000	124.9(Q)
57 Dibromomethane	93	8.109	8.108	(1.102)	53348	125.000	125.8
60 Bromodichloromethane	83	8.286	8.285	(1.126)	114386	125.000	124.0
63 cis-1,3-Dichloropropene	75	8.742	8.747	(1.188)	139750	125.000	127.5
65 4-Methyl-2-Pentanone	43	8.912	8.911	(0.852)	58933	125.000	127.3(Q)
68 Toluene	91	9.082	9.082	(0.869)	450214	125.000	136.8
69 trans-1,3-Dichloropropene	75	9.301	9.307	(0.889)	112424	125.000	125.1
72 1,3-Dichloropropane	76	9.654	9.653	(0.923)	120328	125.000	130.4
70 1,1,2-Trichloroethane	97	9.490	9.483	(0.908)	73320	125.000	124.7
71 Tetrachloroethene	164	9.630	9.629	(0.921)	110388	125.000	146.5
74 2-Hexanone	43	9.739	9.745	(0.931)	35863	125.000	131.5
75 Dibromochloromethane	129	9.879	9.878	(0.945)	68361	125.000	122.5
76 1,2-Dibromoethane	107	9.995	9.994	(0.956)	75071	125.000	126.8
78 Chlorobenzene	112	10.482	10.481	(1.002)	274393	125.000	135.5
79 1,1,1,2-Tetrachloroethane	131	10.567	10.566	(1.010)	102318	125.000	134.0(Q)
80 Ethylbenzene	106	10.591	10.590	(1.013)	163269	125.000	138.5
81 m + p-Xylene	106	10.707	10.706	(1.024)	401563	250.000	284.6
82 Xylene-o	106	11.102	11.101	(1.062)	231273	125.000	137.7
83 Styrene	104	11.114	11.113	(1.063)	324158	125.000	137.2
84 Bromoform	173	11.303	11.302	(1.081)	41977	125.000	121.8
85 Isopropylbenzene	105	11.473	11.472	(1.097)	654017	125.000	154.1
88 Bromobenzene	156	11.777	11.777	(0.921)	133088	125.000	128.2
90 n-Propylbenzene	120	11.881	11.880	(0.930)	172547	125.000	139.3
91 2-Chlorotoluene	126	11.972	11.965	(0.937)	143598	125.000	133.7
87 1,1,2,2-Tetrachloroethane	83	11.765	11.764	(0.921)	100988	125.000	131.4
89 1,2,3-Trichloropropane	110	11.814	11.807	(0.924)	25590	125.000	126.7
93 4-Chlorotoluene	126	12.076	12.081	(0.945)	128988	125.000	130.2
92 1,3,5-Trimethylbenzene	105	12.057	12.056	(0.943)	538648	125.000	146.6
95 tert-Butylbenzene	119	12.380	12.385	(0.969)	531526	125.000	151.2
96 1,2,4-Trimethylbenzene	105	12.428	12.427	(0.972)	537601	125.000	142.2
97 sec-Butylbenzene	105	12.605	12.604	(0.986)	805378	125.000	160.5
99 4-Isopropyltoluene	119	12.745	12.744	(0.997)	629952	125.000	155.8
98 1,3-Dichlorobenzene	146	12.714	12.719	(0.995)	278574	125.000	135.7
103 n-Butylbenzene	91	13.158	13.157	(1.030)	648095	125.000	160.7
101 1,4-Dichlorobenzene	146	12.806	12.805	(1.002)	252287	125.000	133.4
104 1,2-Dichlorobenzene	146	13.183	13.182	(1.031)	243245	125.000	137.1
106 1,2-Dibromo-3-chloropropane	157	13.961	13.967	(1.092)	13339	125.000	129.0
108 1,2,4-Trichlorobenzene	180	14.795	14.794	(1.158)	101590	125.000	136.6
109 Hexachlorobutadiene	225	14.965	14.964	(1.171)	105800	125.000	167.6
110 Naphthalene	128	15.044	15.049	(1.177)	119445	125.000	127.5
111 1,2,3-Trichlorobenzene	180	15.300	15.299	(1.197)	54743	125.000	121.2
18 Methyl Acetate	43	4.137	4.142	(0.562)	67922	125.000	138.8
42 Cyclohexane	56	6.673	6.679	(0.907)	383792	125.000	179.4
55 Methyl Cyclohexane	83	7.951	7.950	(1.080)	393978	125.000	180.7
107 1,3,5-Trichlorobenzene	180	14.174	14.173	(1.109)	184430	125.000	146.3
17 Acetonitrile	40	4.051	4.051	(0.550)	137150	2500.00	3155
M 117 Xylenes (total)	106				632836	375.000	422.4

QC Flag Legend

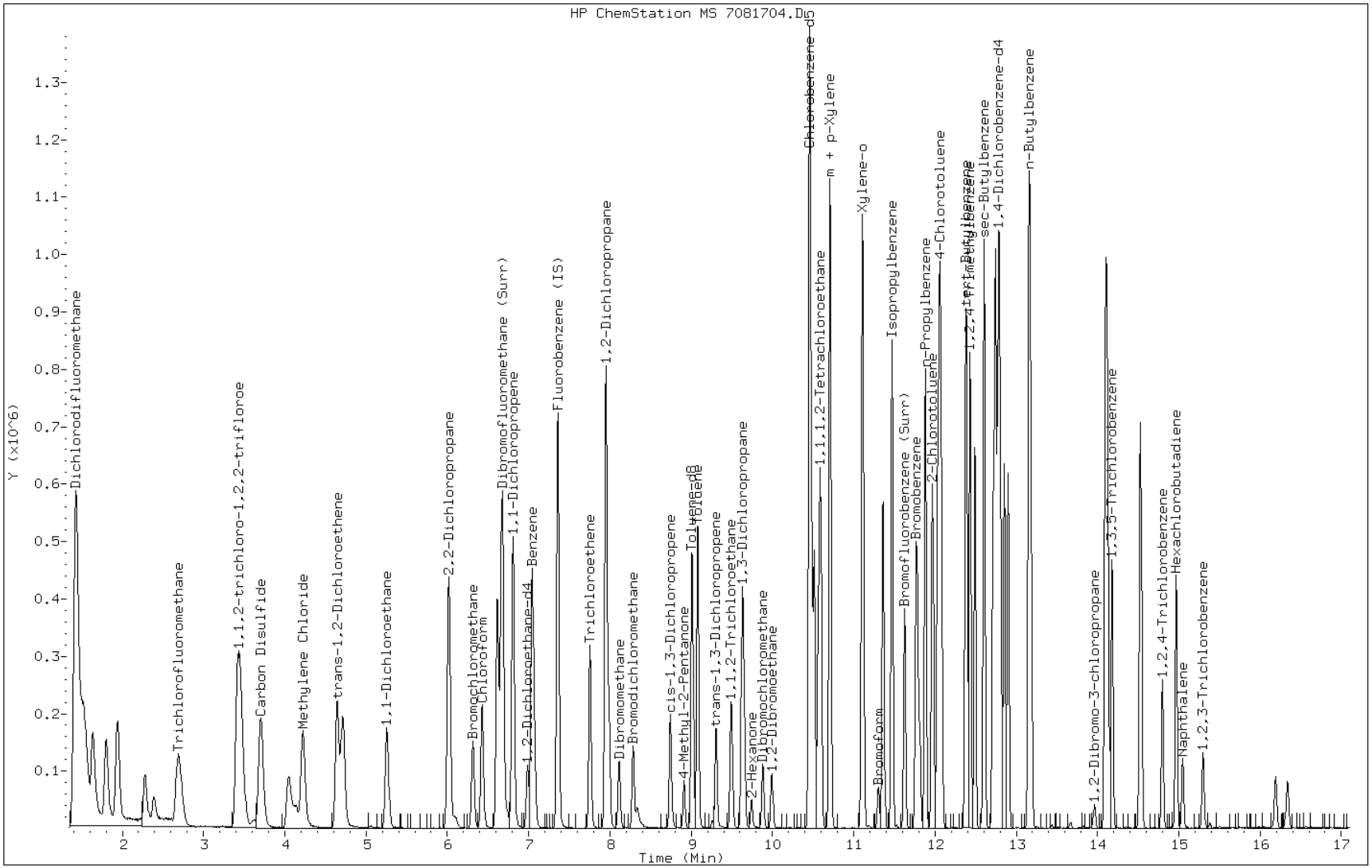
Q - Qualifier signal failed the ratio test.

Data File: 7081704.D

Date: 17-AUG-2012 03:13

Client ID: vstd25 Instrument: hp7.i

Sample Info: IC, 25 Operator: 430936



TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\D\chem\hp7.i\7081712dH20.b\7081705.D
Lab Smp Id: 7081712d.b Client Smp ID: vstd40
Inj Date : 17-AUG-2012 03:44 MS Autotune Date: 29-DEC-2009 18:31
Operator : 430936 Inst ID: hp7.i
Smp Info : ICIS, 40
Misc Info : 7081712d.b,T8260bh2o.m,1-dwh2o.sub
Comment :
Method : \\pitsvr06\D\chem\hp7.i\7081712dH20.b\T8260bh2o.m
Meth Date : 17-Aug-2012 09:48 zukowskim Quant Type: ISTD
Cal Date : 17-AUG-2012 07:49 Cal File: 7081713.D
Als bottle: 1 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)
* 49 Fluorobenzene (IS)	96	7.358	7.360	(1.000)	939132	250.000	
* 77 Chlorobenzene-d5	119	10.455	10.450	(1.000)	212519	250.000	
* 100 1,4-Dichlorobenzene-d4	152	12.779	12.780	(1.000)	324782	250.000	
$ 40 Dibromofluoromethane (Surr)	113	6.616	6.618	(0.899)	188114	200.000	206.1
$ 46 1,2-Dichloroethane-d4	65	6.987	6.989	(0.950)	168970	200.000	201.4
$ 67 Toluene-d8	98	9.013	9.015	(0.862)	645689	200.000	199.6
$ 86 Bromofluorobenzene (Surr)	95	11.623	11.624	(1.112)	267479	200.000	196.2
1 Dichlorodifluoromethane	85	1.640	1.648	(0.223)	314886	200.000	180.9
2 Chloromethane	50	1.804	1.800	(0.245)	425796	200.000	194.3
3 Vinyl Chloride	62	1.944	1.940	(0.264)	424504	200.000	189.4
5 Bromomethane	94	2.285	2.280	(0.311)	135864	200.000	185.6(Q)
7 Chloroethane	64	2.388	2.390	(0.325)	82748	200.000	192.2
8 Trichlorofluoromethane	101	2.699	2.724	(0.367)	292076	200.000	185.4(Q)
13 1,1,2-trichloro-1,2,2-trifluor	101	3.459	3.485	(0.470)	244295	200.000	188.9(Q)
12 1,1-Dichloroethene	96	3.410	3.424	(0.463)	258606	200.000	195.5
15 Carbon Disulfide	76	3.702	3.722	(0.503)	840512	200.000	202.3
14 Acetone	43	3.623	3.612	(0.492)	41166	200.000	189.4(Q)
20 Methylene Chloride	84	4.219	4.233	(0.573)	292950	200.000	190.2
24 trans-1,2-Dichloroethene	96	4.639	4.653	(0.630)	280442	200.000	204.4
25 Methyl tert-butyl ether	73	4.712	4.714	(0.640)	568882	200.000	201.3
28 1,1-Dichloroethane	63	5.260	5.261	(0.715)	471072	200.000	205.9
32 2,2-Dichloropropane	77	6.014	6.015	(0.817)	317897	200.000	199.1
33 cis-1,2-dichloroethene	96	6.020	6.034	(0.818)	278970	200.000	206.0
M 116 1,2-Dichloroethene (total)	96				559412	400.000	410.4
36 Bromochloromethane	128	6.312	6.320	(0.858)	108609	200.000	204.4
34 2-Butanone	43	6.087	6.095	(0.827)	49028	200.000	199.9
38 Chloroform	83	6.428	6.429	(0.874)	393122	200.000	204.0
41 1,1,1-Trichloroethane	97	6.616	6.624	(0.899)	342216	200.000	196.9

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
44 1,1-Dichloropropene	75	6.811	6.812	(0.926)	293019	200.000	198.0
45 Carbon Tetrachloride	117	6.805	6.812	(0.925)	261267	200.000	194.2
47 Benzene	78	7.042	7.044	(0.957)	848338	200.000	203.1
48 1,2-Dichloroethane	62	7.073	7.068	(0.961)	190742	200.000	200.4
54 Trichloroethene	130	7.754	7.755	(1.054)	209740	200.000	196.8
56 1,2-Dichloropropane	63	7.991	7.993	(1.086)	182253	200.000	196.0(Q)
57 Dibromomethane	93	8.113	8.108	(1.103)	97290	200.000	197.9
60 Bromodichloromethane	83	8.283	8.285	(1.126)	218620	200.000	204.3
63 cis-1,3-Dichloropropene	75	8.745	8.747	(1.188)	254619	200.000	200.4
65 4-Methyl-2-Pentanone	43	8.910	8.911	(0.852)	101232	200.000	196.2(Q)
68 Toluene	91	9.080	9.082	(0.869)	720681	200.000	196.5
69 trans-1,3-Dichloropropene	75	9.305	9.307	(0.890)	200379	200.000	200.1
72 1,3-Dichloropropane	76	9.652	9.653	(0.923)	204336	200.000	198.8
70 1,1,2-Trichloroethane	97	9.488	9.483	(0.907)	126280	200.000	192.8
71 Tetrachloroethene	164	9.628	9.629	(0.921)	158491	200.000	188.7
74 2-Hexanone	43	9.743	9.745	(0.932)	59675	200.000	196.3
75 Dibromochloromethane	129	9.883	9.878	(0.945)	127007	200.000	204.3
76 1,2-Dibromoethane	107	9.993	9.994	(0.956)	131648	200.000	199.5
78 Chlorobenzene	112	10.485	10.481	(1.003)	451501	200.000	200.1
79 1,1,1,2-Tetrachloroethane	131	10.564	10.566	(1.010)	175748	200.000	206.6(Q)
80 Ethylbenzene	106	10.595	10.590	(1.013)	255148	200.000	194.3
81 m + p-Xylene	106	10.710	10.706	(1.024)	615928	400.000	391.8
82 Xylene-o	106	11.106	11.101	(1.062)	372976	200.000	199.4
83 Styrene	104	11.118	11.113	(1.063)	527426	200.000	200.4
84 Bromoform	173	11.301	11.302	(1.081)	76956	200.000	200.3
85 Isopropylbenzene	105	11.471	11.472	(1.097)	928278	200.000	196.3
88 Bromobenzene	156	11.775	11.777	(0.921)	218040	200.000	200.2
90 n-Propylbenzene	120	11.878	11.880	(0.930)	249095	200.000	191.8
91 2-Chlorotoluene	126	11.970	11.965	(0.937)	224248	200.000	199.1
87 1,1,2,2-Tetrachloroethane	83	11.763	11.764	(0.921)	165436	200.000	205.4
89 1,2,3-Trichloropropane	110	11.812	11.807	(0.924)	42361	200.000	200.0
93 4-Chlorotoluene	126	12.079	12.081	(0.945)	197663	200.000	190.2
92 1,3,5-Trimethylbenzene	105	12.055	12.056	(0.943)	774806	200.000	201.1
95 tert-Butylbenzene	119	12.383	12.385	(0.969)	737664	200.000	200.2
96 1,2,4-Trimethylbenzene	105	12.432	12.427	(0.973)	793727	200.000	200.1
97 sec-Butylbenzene	105	12.602	12.604	(0.986)	1035349	200.000	196.8
99 4-Isopropyltoluene	119	12.748	12.744	(0.998)	839422	200.000	198.0
98 1,3-Dichlorobenzene	146	12.718	12.719	(0.995)	435318	200.000	202.2
103 n-Butylbenzene	91	13.156	13.157	(1.030)	834471	200.000	197.3
101 1,4-Dichlorobenzene	146	12.803	12.805	(1.002)	398355	200.000	200.8
104 1,2-Dichlorobenzene	146	13.180	13.182	(1.031)	376785	200.000	202.5
106 1,2-Dibromo-3-chloropropane	157	13.965	13.967	(1.093)	22120	200.000	204.1
108 1,2,4-Trichlorobenzene	180	14.799	14.794	(1.158)	170287	200.000	218.3
109 Hexachlorobutadiene	225	14.969	14.964	(1.171)	137837	200.000	208.2
110 Naphthalene	128	15.048	15.049	(1.178)	228820	200.000	232.9
111 1,2,3-Trichlorobenzene	180	15.297	15.299	(1.197)	111907	200.000	236.4
18 Methyl Acetate	43	4.140	4.142	(0.563)	104347	200.000	183.9
42 Cyclohexane	56	6.671	6.679	(0.907)	460647	200.000	185.7
55 Methyl Cyclohexane	83	7.949	7.950	(1.080)	474001	200.000	187.5
107 1,3,5-Trichlorobenzene	180	14.178	14.173	(1.109)	261629	200.000	197.9
17 Acetonitrile	40	4.043	4.051	(0.549)	222757	4000.00	4420
M 117 Xylenes (total)	106				988904	600.000	591.2

QC Flag Legend

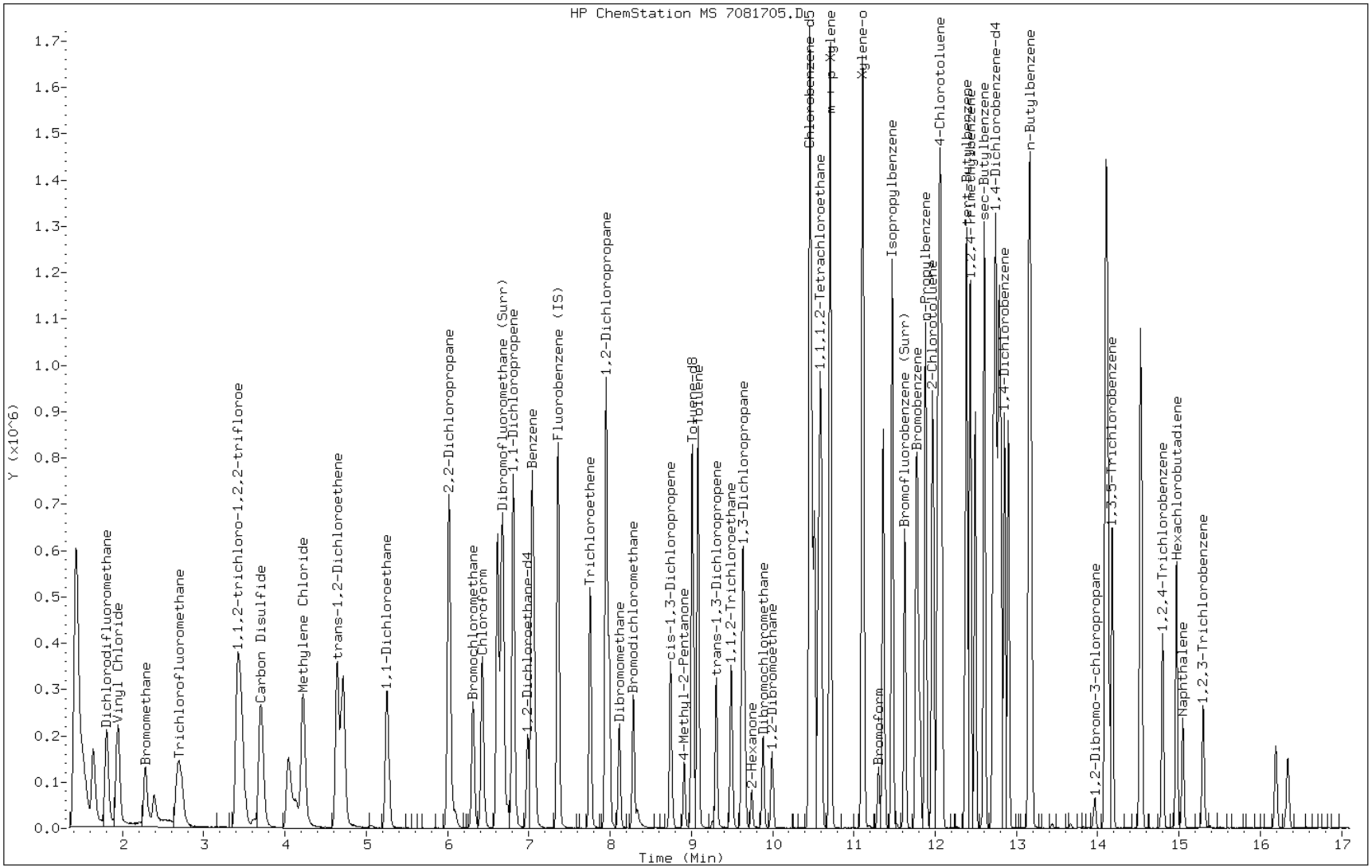
Q - Qualifier signal failed the ratio test.

Data File: 7081705.D

Date: 17-AUG-2012 03:44

Client ID: vstd40 Instrument: hp7.i

Sample Info: ICIS, 40 Operator: 430936



TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\D\chem\hp7.i\7081712dH20.b\7081706.D
Lab Smp Id: 7081712d.b Client Smp ID: vstd50
Inj Date : 17-AUG-2012 04:16 MS Autotune Date: 29-DEC-2009 18:31
Operator : 430936 Inst ID: hp7.i
Smp Info : IC, 50
Misc Info : 7081712d.b,T8260bh2o.m,1-dwh2o.sub
Comment :
Method : \\pitsvr06\D\chem\hp7.i\7081712dH20.b\T8260bh2o.m
Meth Date : 17-Aug-2012 09:48 zukowskim Quant Type: ISTD
Cal Date : 17-AUG-2012 07:49 Cal File: 7081713.D
Als bottle: 1 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)
* 49 Fluorobenzene (IS)	96	7.355	7.360	(1.000)	900732	250.000	
* 77 Chlorobenzene-d5	119	10.452	10.450	(1.000)	210522	250.000	
* 100 1,4-Dichlorobenzene-d4	152	12.782	12.780	(1.000)	325769	250.000	
$ 40 Dibromofluoromethane (Surr)	113	6.613	6.618	(0.899)	221490	250.000	253.0
$ 46 1,2-Dichloroethane-d4	65	6.984	6.989	(0.950)	198653	250.000	246.8
$ 67 Toluene-d8	98	9.010	9.015	(0.862)	765707	250.000	239.0
$ 86 Bromofluorobenzene (Surr)	95	11.626	11.624	(1.112)	331210	250.000	245.3
1 Dichlorodifluoromethane	85	1.631	1.648	(0.222)	402421	250.000	241.0
2 Chloromethane	50	1.795	1.800	(0.244)	529022	250.000	251.7
3 Vinyl Chloride	62	1.935	1.940	(0.263)	533324	250.000	248.2
5 Bromomethane	94	2.282	2.280	(0.310)	164396	250.000	234.1(Q)
7 Chloroethane	64	2.385	2.390	(0.324)	104769	250.000	253.7
8 Trichlorofluoromethane	101	2.689	2.724	(0.366)	355490	250.000	235.3(Q)
13 1,1,2-trichloro-1,2,2-trifluor	101	3.450	3.485	(0.469)	295223	250.000	238.0(Q)
12 1,1-Dichloroethene	96	3.407	3.424	(0.463)	314747	250.000	248.1
15 Carbon Disulfide	76	3.699	3.722	(0.503)	1027540	250.000	257.9
14 Acetone	43	3.608	3.612	(0.491)	52653	250.000	252.6(Q)
20 Methylene Chloride	84	4.216	4.233	(0.573)	346966	250.000	234.8
24 trans-1,2-Dichloroethene	96	4.642	4.653	(0.631)	333096	250.000	253.1
25 Methyl tert-butyl ether	73	4.709	4.714	(0.640)	684030	250.000	252.4
28 1,1-Dichloroethane	63	5.251	5.261	(0.714)	563380	250.000	256.7
32 2,2-Dichloropropane	77	6.011	6.015	(0.817)	384267	250.000	250.9
33 cis-1,2-dichloroethene	96	6.023	6.034	(0.819)	328678	250.000	253.1
M 116 1,2-Dichloroethene (total)	96				661774	500.000	506.2
36 Bromochloromethane	128	6.309	6.320	(0.858)	132817	250.000	260.7
34 2-Butanone	43	6.090	6.095	(0.828)	57765	250.000	245.5
38 Chloroform	83	6.431	6.429	(0.874)	470812	250.000	254.7
41 1,1,1-Trichloroethane	97	6.619	6.624	(0.900)	410550	250.000	246.3

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
44 1,1-Dichloropropene	75	6.808	6.812	(0.926)	342634	250.000	241.5
45 Carbon Tetrachloride	117	6.802	6.812	(0.925)	316374	250.000	245.2
47 Benzene	78	7.039	7.044	(0.957)	986311	250.000	246.2
48 1,2-Dichloroethane	62	7.070	7.068	(0.961)	226866	250.000	248.4
54 Trichloroethene	130	7.751	7.755	(1.054)	250587	250.000	245.2
56 1,2-Dichloropropane	63	7.988	7.993	(1.086)	217123	250.000	243.5(Q)
57 Dibromomethane	93	8.110	8.108	(1.103)	119109	250.000	252.6
60 Bromodichloromethane	83	8.286	8.285	(1.127)	262621	250.000	255.9
63 cis-1,3-Dichloropropene	75	8.742	8.747	(1.189)	314343	250.000	257.9
65 4-Methyl-2-Pentanone	43	8.913	8.911	(0.853)	129685	250.000	253.7(Q)
68 Toluene	91	9.077	9.082	(0.868)	858468	250.000	236.3
69 trans-1,3-Dichloropropene	75	9.302	9.307	(0.890)	253255	250.000	255.3
72 1,3-Dichloropropane	76	9.655	9.653	(0.924)	251098	250.000	246.6
70 1,1,2-Trichloroethane	97	9.485	9.483	(0.907)	159806	250.000	246.2
71 Tetrachloroethene	164	9.631	9.629	(0.921)	194152	250.000	233.4
74 2-Hexanone	43	9.740	9.745	(0.932)	77221	250.000	256.5
75 Dibromochloromethane	129	9.880	9.878	(0.945)	159893	250.000	259.6
76 1,2-Dibromoethane	107	9.990	9.994	(0.956)	168548	250.000	257.9
78 Chlorobenzene	112	10.482	10.481	(1.003)	556315	250.000	248.9
79 1,1,1,2-Tetrachloroethane	131	10.561	10.566	(1.010)	212127	250.000	251.7(Q)
80 Ethylbenzene	106	10.592	10.590	(1.013)	317453	250.000	244.0(Q)
81 m + p-Xylene	106	10.707	10.706	(1.024)	758085	500.000	486.8
82 Xylene-o	106	11.103	11.101	(1.062)	457623	250.000	246.9
83 Styrene	104	11.115	11.113	(1.063)	656125	250.000	251.6
84 Bromoform	173	11.304	11.302	(1.081)	99050	250.000	260.3
85 Isopropylbenzene	105	11.468	11.472	(1.097)	1114768	250.000	238.0
88 Bromobenzene	156	11.778	11.777	(0.921)	273200	250.000	250.1
90 n-Propylbenzene	120	11.882	11.880	(0.930)	313527	250.000	240.7(Q)
91 2-Chlorotoluene	126	11.973	11.965	(0.937)	277737	250.000	245.8
87 1,1,2,2-Tetrachloroethane	83	11.766	11.764	(0.921)	205785	250.000	254.7
89 1,2,3-Trichloropropane	110	11.809	11.807	(0.924)	54187	250.000	255.0
93 4-Chlorotoluene	126	12.076	12.081	(0.945)	255956	250.000	245.6
92 1,3,5-Trimethylbenzene	105	12.052	12.056	(0.943)	919309	250.000	237.9
95 tert-Butylbenzene	119	12.380	12.385	(0.969)	897384	250.000	242.8
96 1,2,4-Trimethylbenzene	105	12.429	12.427	(0.972)	965977	250.000	242.8
97 sec-Butylbenzene	105	12.599	12.604	(0.986)	1235130	250.000	234.0
99 4-Isopropyltoluene	119	12.745	12.744	(0.997)	1002648	250.000	235.8
98 1,3-Dichlorobenzene	146	12.715	12.719	(0.995)	538025	250.000	249.1
103 n-Butylbenzene	91	13.159	13.157	(1.030)	997973	250.000	235.2
101 1,4-Dichlorobenzene	146	12.806	12.805	(1.002)	491650	250.000	247.0
104 1,2-Dichlorobenzene	146	13.177	13.182	(1.031)	460413	250.000	246.7
106 1,2-Dibromo-3-chloropropane	157	13.962	13.967	(1.092)	30084	250.000	276.7
108 1,2,4-Trichlorobenzene	180	14.796	14.794	(1.158)	227020	250.000	290.2
109 Hexachlorobutadiene	225	14.966	14.964	(1.171)	159329	250.000	239.9
110 Naphthalene	128	15.045	15.049	(1.177)	319623	250.000	324.4
111 1,2,3-Trichlorobenzene	180	15.300	15.299	(1.197)	162878	250.000	343.0
18 Methyl Acetate	43	4.131	4.142	(0.562)	126927	250.000	233.3
42 Cyclohexane	56	6.668	6.679	(0.907)	549027	250.000	230.8
55 Methyl Cyclohexane	83	7.952	7.950	(1.081)	570986	250.000	235.4
107 1,3,5-Trichlorobenzene	180	14.175	14.173	(1.109)	333012	250.000	251.2
17 Acetonitrile	40	4.040	4.051	(0.549)	264430	5000.00	5470
M 117 Xylenes (total)	106				1215708	750.000	733.8

QC Flag Legend

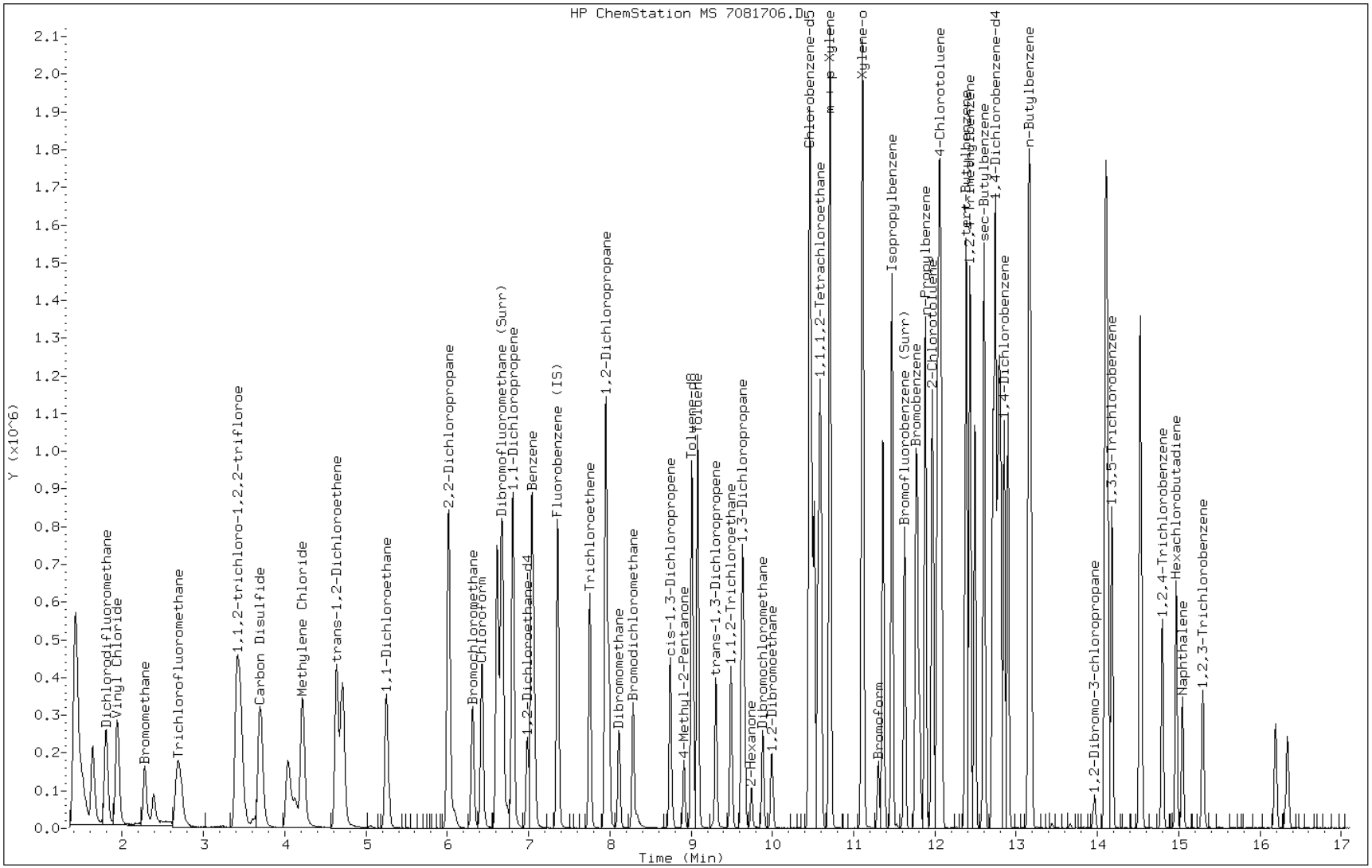
Q - Qualifier signal failed the ratio test.

Data File: 7081706.D

Date: 17-AUG-2012 04:16

Client ID: vstd50 Instrument: hp7.i

Sample Info: IC, 50 Operator: 430936



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VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\D\chem\hp7.i\7081712dH20.b\7081707.D
Lab Smp Id: 7081712d.b Client Smp ID: vstd125
Inj Date : 17-AUG-2012 04:46 MS Autotune Date: 29-DEC-2009 18:31
Operator : 430936 Inst ID: hp7.i
Smp Info : IC, 125
Misc Info : 7081712d.b,T8260bh2o.m,1-dwh2o.sub
Comment :
Method : \\pitsvr06\D\chem\hp7.i\7081712dH20.b\T8260bh2o.m
Meth Date : 17-Aug-2012 09:48 zukowskim Quant Type: ISTD
Cal Date : 17-AUG-2012 07:49 Cal File: 7081713.D
Als bottle: 1 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)	ON-COL (ng)
* 49 Fluorobenzene (IS)	96	7.360	7.360	(1.000)	1050752	250.000	
* 77 Chlorobenzene-d5	119	10.456	10.450	(1.000)	238535	250.000	
* 100 1,4-Dichlorobenzene-d4	152	12.780	12.780	(1.000)	344455	250.000	(Q)
$ 40 Dibromofluoromethane (Surr)	113	6.612	6.618	(0.898)	549843	625.000	538.5
$ 46 1,2-Dichloroethane-d4	65	6.983	6.989	(0.949)	519887	625.000	553.8
$ 67 Toluene-d8	98	9.015	9.015	(0.862)	1845854	625.000	508.4
$ 86 Bromofluorobenzene (Surr)	95	11.624	11.624	(1.112)	815712	625.000	533.2
1 Dichlorodifluoromethane	85	1.641	1.648	(0.223)	948771	625.000	487.2
2 Chloromethane	50	1.806	1.800	(0.245)	1208150	625.000	492.7
3 Vinyl Chloride	62	1.952	1.940	(0.265)	1216427	625.000	485.2
5 Bromomethane	94	2.286	2.280	(0.311)	399937	625.000	488.2(Q)
7 Chloroethane	64	2.390	2.390	(0.325)	260048	625.000	539.8
8 Trichlorofluoromethane	101	2.700	2.724	(0.367)	928204	625.000	526.8(Q)
13 1,1,2-trichloro-1,2,2-trifluor	101	3.460	3.485	(0.470)	709428	625.000	490.4(Q)
12 1,1-Dichloroethene	96	3.412	3.424	(0.464)	769951	625.000	520.3
15 Carbon Disulfide	76	3.704	3.722	(0.503)	2479960	625.000	533.6
14 Acetone	43	3.619	3.612	(0.492)	117822	625.000	484.4(Q)
20 Methylene Chloride	84	4.221	4.233	(0.574)	814628	625.000	472.6
24 trans-1,2-Dichloroethene	96	4.647	4.653	(0.631)	813047	625.000	529.6
25 Methyl tert-butyl ether	73	4.714	4.714	(0.640)	1615281	625.000	510.9
28 1,1-Dichloroethane	63	5.255	5.261	(0.714)	1356294	625.000	529.8
32 2,2-Dichloropropane	77	6.009	6.015	(0.817)	932018	625.000	521.7
33 cis-1,2-dichloroethene	96	6.021	6.034	(0.818)	789435	625.000	521.0
M 116 1,2-Dichloroethene (total)	96				1602482	1250.00	1051
36 Bromochloromethane	128	6.307	6.320	(0.857)	328724	625.000	553.1
34 2-Butanone	43	6.088	6.095	(0.827)	153677	625.000	559.9
38 Chloroform	83	6.429	6.429	(0.874)	1125121	625.000	521.8
41 1,1,1-Trichloroethane	97	6.618	6.624	(0.899)	972220	625.000	500.1

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
44 1,1-Dichloropropene	75	6.812	6.812	(0.926)	840776	625.000	507.9
45 Carbon Tetrachloride	117	6.806	6.812	(0.925)	789236	625.000	524.5
47 Benzene	78	7.044	7.044	(0.957)	2329785	625.000	498.6
48 1,2-Dichloroethane	62	7.074	7.068	(0.961)	573374	625.000	538.3
54 Trichloroethene	130	7.755	7.755	(1.054)	659765	625.000	553.3
56 1,2-Dichloropropane	63	7.993	7.993	(1.086)	580407	625.000	558.0(Q)
57 Dibromomethane	93	8.108	8.108	(1.102)	310681	625.000	564.7
60 Bromodichloromethane	83	8.285	8.285	(1.126)	728133	625.000	608.2
63 cis-1,3-Dichloropropene	75	8.741	8.747	(1.188)	852594	625.000	599.6
65 4-Methyl-2-Pentanone	43	8.911	8.911	(0.852)	341046	625.000	588.9(Q)
68 Toluene	91	9.081	9.082	(0.869)	2064074	625.000	501.4
69 trans-1,3-Dichloropropene	75	9.307	9.307	(0.890)	664840	625.000	591.5(Q)
72 1,3-Dichloropropane	76	9.653	9.653	(0.923)	626079	625.000	542.7
70 1,1,2-Trichloroethane	97	9.489	9.483	(0.907)	411836	625.000	560.1
71 Tetrachloroethene	164	9.629	9.629	(0.921)	518315	625.000	549.9
74 2-Hexanone	43	9.745	9.745	(0.932)	207367	625.000	607.9
75 Dibromochloromethane	129	9.878	9.878	(0.945)	449097	625.000	643.5
76 1,2-Dibromoethane	107	9.994	9.994	(0.956)	426025	625.000	575.3
78 Chlorobenzene	112	10.487	10.481	(1.003)	1326676	625.000	523.9
79 1,1,1,2-Tetrachloroethane	131	10.566	10.566	(1.010)	548819	625.000	574.7(Q)
80 Ethylbenzene	106	10.596	10.590	(1.013)	801854	625.000	544.1(Q)
81 m + p-Xylene	106	10.712	10.706	(1.024)	1789701	1250.00	1014(Q)
82 Xylene-o	106	11.101	11.101	(1.062)	1104119	625.000	525.8
83 Styrene	104	11.119	11.113	(1.063)	1522547	625.000	515.3
84 Bromoform	173	11.308	11.302	(1.081)	282898	625.000	656.1
85 Isopropylbenzene	105	11.472	11.472	(1.097)	2436171	625.000	459.1
88 Bromobenzene	156	11.776	11.777	(0.921)	658308	625.000	570.0
90 n-Propylbenzene	120	11.886	11.880	(0.930)	767485	625.000	557.2(Q)
91 2-Chlorotoluene	126	11.971	11.965	(0.937)	677817	625.000	567.3(Q)
87 1,1,2,2-Tetrachloroethane	83	11.764	11.764	(0.921)	483921	625.000	566.4
89 1,2,3-Trichloropropane	110	11.813	11.807	(0.924)	126769	625.000	564.2
93 4-Chlorotoluene	126	12.081	12.081	(0.945)	603111	625.000	547.3(Q)
92 1,3,5-Trimethylbenzene	105	12.056	12.056	(0.943)	2013508	625.000	492.8
95 tert-Butylbenzene	119	12.385	12.385	(0.969)	2039829	625.000	521.9
96 1,2,4-Trimethylbenzene	105	12.433	12.427	(0.973)	2073314	625.000	492.9
97 sec-Butylbenzene	105	12.604	12.604	(0.986)	2666237	625.000	477.8
99 4-Isopropyltoluene	119	12.750	12.744	(0.998)	2178142	625.000	484.5
98 1,3-Dichlorobenzene	146	12.719	12.719	(0.995)	1218515	625.000	533.6
103 n-Butylbenzene	91	13.157	13.157	(1.030)	2145646	625.000	478.3
101 1,4-Dichlorobenzene	146	12.805	12.805	(1.002)	1156639	625.000	549.7
104 1,2-Dichlorobenzene	146	13.182	13.182	(1.031)	1032734	625.000	523.4
106 1,2-Dibromo-3-chloropropane	157	13.960	13.967	(1.092)	75355	625.000	655.4
108 1,2,4-Trichlorobenzene	180	14.794	14.794	(1.158)	446056	625.000	539.2
109 Hexachlorobutadiene	225	14.964	14.964	(1.171)	350121	625.000	498.6
110 Naphthalene	128	15.049	15.049	(1.178)	551823	625.000	529.6
111 1,2,3-Trichlorobenzene	180	15.299	15.299	(1.197)	259017	625.000	515.8
18 Methyl Acetate	43	4.130	4.142	(0.561)	304072	625.000	479.0
42 Cyclohexane	56	6.672	6.679	(0.907)	1276082	625.000	459.9
55 Methyl Cyclohexane	83	7.950	7.950	(1.080)	1335181	625.000	472.0
107 1,3,5-Trichlorobenzene	180	14.179	14.173	(1.109)	734440	625.000	523.8
17 Acetonitrile	40	4.044	4.051	(0.550)	636593	12500.0	11290
M 117 Xylenes (total)	106				2893820	1875.00	1540

QC Flag Legend

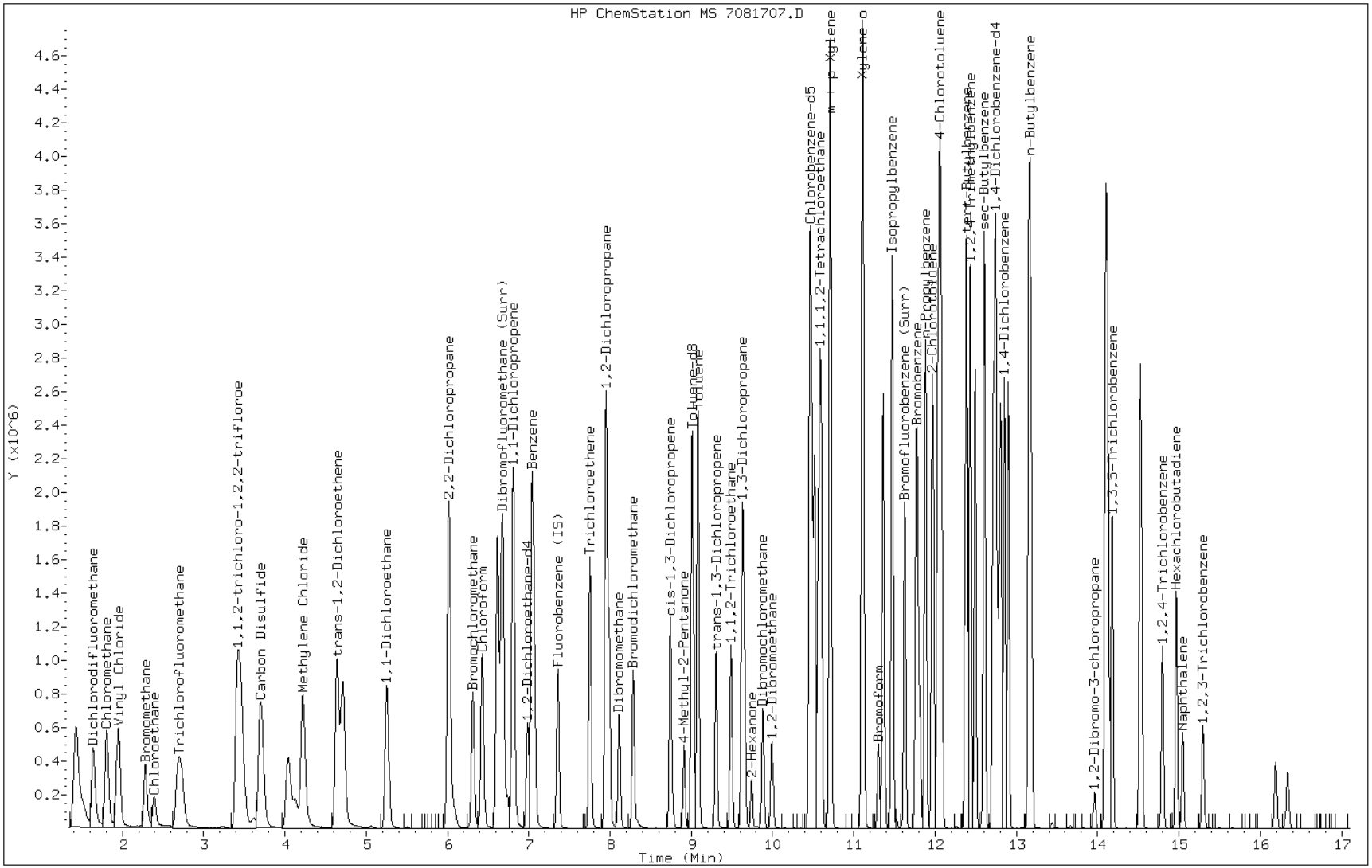
Q - Qualifier signal failed the ratio test.

Data File: 7081707.D

Date: 17-AUG-2012 04:46

Client ID: vstd125 Instrument: hp7.i

Sample Info: IC, 125 Operator: 430936



TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\D\chem\hp7.i\7081712dH20.b\7081708.D
Lab Smp Id: 7081712d.b Client Smp ID: vstd250
Inj Date : 17-AUG-2012 05:18 MS Autotune Date: 29-DEC-2009 18:31
Operator : 430936 Inst ID: hp7.i
Smp Info : IC, 250
Misc Info : 7081712d.b,T8260bh2o.m,1-dwh2o.sub
Comment :
Method : \\pitsvr06\D\chem\hp7.i\7081712dH20.b\T8260bh2o.m
Meth Date : 17-Aug-2012 09:48 zukowskim Quant Type: ISTD
Cal Date : 17-AUG-2012 07:49 Cal File: 7081713.D
Als bottle: 1 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)
* 49 Fluorobenzene (IS)	96	7.359	7.360	(1.000)	1005213	250.000	
* 77 Chlorobenzene-d5	119	10.456	10.450	(1.000)	231712	250.000	(Q)
* 100 1,4-Dichlorobenzene-d4	152	12.786	12.780	(1.000)	335264	250.000	(Q)
$ 40 Dibromofluoromethane (Surr)	113	6.611	6.618	(0.898)	917471	1250.00	939.2
$ 46 1,2-Dichloroethane-d4	65	6.982	6.989	(0.949)	877961	1250.00	977.6
$ 67 Toluene-d8	98	9.014	9.015	(0.862)	2890025	1250.00	819.4
$ 86 Bromofluorobenzene (Surr)	95	11.624	11.624	(1.112)	1416882	1250.00	953.4
1 Dichlorodifluoromethane	85	1.635	1.648	(0.222)	1729422	1250.00	928.2
2 Chloromethane	50	1.805	1.800	(0.245)	2002350	1250.00	853.5
3 Vinyl Chloride	62	1.945	1.940	(0.264)	2079405	1250.00	867.0
5 Bromomethane	94	2.280	2.280	(0.310)	682208	1250.00	870.5(Q)
7 Chloroethane	64	2.383	2.390	(0.324)	462154	1250.00	1003
8 Trichlorofluoromethane	101	2.681	2.724	(0.364)	1321403	1250.00	783.9(Q)
13 1,1,2-trichloro-1,2,2-trifluor	101	3.448	3.485	(0.469)	1245871	1250.00	900.2(Q)
12 1,1-Dichloroethene	96	3.399	3.424	(0.462)	1310499	1250.00	925.7
15 Carbon Disulfide	76	3.685	3.722	(0.501)	4063042	1250.00	913.8
14 Acetone	43	3.624	3.612	(0.492)	218526	1250.00	939.2(Q)
20 Methylene Chloride	84	4.214	4.233	(0.573)	1341475	1250.00	813.5
24 trans-1,2-Dichloroethene	96	4.634	4.653	(0.630)	1341758	1250.00	913.6
25 Methyl tert-butyl ether	73	4.713	4.714	(0.640)	2724122	1250.00	900.6
28 1,1-Dichloroethane	63	5.254	5.261	(0.714)	2205443	1250.00	900.5
32 2,2-Dichloropropane	77	6.009	6.015	(0.816)	1506519	1250.00	881.4
33 cis-1,2-dichloroethene	96	6.021	6.034	(0.818)	1270879	1250.00	876.8
M 116 1,2-Dichloroethene (total)	96				2612637	2500.00	1790
36 Bromochloromethane	128	6.307	6.320	(0.857)	547078	1250.00	962.1
34 2-Butanone	43	6.088	6.095	(0.827)	263899	1250.00	1005
38 Chloroform	83	6.429	6.429	(0.874)	1813260	1250.00	879.1
41 1,1,1-Trichloroethane	97	6.617	6.624	(0.899)	1589059	1250.00	854.4

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
44 1,1-Dichloropropene	75	6.806	6.812	(0.925)	1386114	1250.00	875.3
45 Carbon Tetrachloride	117	6.806	6.812	(0.925)	1333021	1250.00	926.0
47 Benzene	78	7.043	7.044	(0.957)	3614711	1250.00	808.6
48 1,2-Dichloroethane	62	7.073	7.068	(0.961)	955264	1250.00	937.4
54 Trichloroethene	130	7.755	7.755	(1.054)	1125670	1250.00	986.8
56 1,2-Dichloropropane	63	7.992	7.993	(1.086)	996325	1250.00	1001(Q)
57 Dibromomethane	93	8.108	8.108	(1.102)	525662	1250.00	998.8
60 Bromodichloromethane	83	8.284	8.285	(1.126)	1244093	1250.00	1086
63 cis-1,3-Dichloropropene	75	8.740	8.747	(1.188)	1397098	1250.00	1027
65 4-Methyl-2-Pentanone	43	8.911	8.911	(0.852)	600487	1250.00	1067(Q)
68 Toluene	91	9.081	9.082	(0.869)	3233567	1250.00	808.5
69 trans-1,3-Dichloropropene	75	9.306	9.307	(0.890)	1098153	1250.00	1006(Q)
72 1,3-Dichloropropane	76	9.653	9.653	(0.923)	1027162	1250.00	916.6
70 1,1,2-Trichloroethane	97	9.489	9.483	(0.907)	692179	1250.00	969.1
71 Tetrachloroethene	164	9.628	9.629	(0.921)	874049	1250.00	954.6
74 2-Hexanone	43	9.744	9.745	(0.932)	358211	1250.00	1081
75 Dibromochloromethane	129	9.878	9.878	(0.945)	789908	1250.00	1165
76 1,2-Dibromoethane	107	9.993	9.994	(0.956)	714152	1250.00	992.8
78 Chlorobenzene	112	10.486	10.481	(1.003)	2154014	1250.00	875.7
79 1,1,1,2-Tetrachloroethane	131	10.565	10.566	(1.010)	962606	1250.00	1038(Q)
80 Ethylbenzene	106	10.596	10.590	(1.013)	1370272	1250.00	957.1(Q)
81 m + p-Xylene	106	10.711	10.706	(1.024)	2890642	2500.00	1686(Q)
82 Xylene-o	106	11.107	11.101	(1.062)	1856688	1250.00	910.3(Q)
83 Styrene	104	11.119	11.113	(1.063)	2438669	1250.00	849.7
84 Bromoform	173	11.301	11.302	(1.081)	533714	1250.00	1274
85 Isopropylbenzene	105	11.472	11.472	(1.097)	3752565	1250.00	727.9
88 Bromobenzene	156	11.776	11.777	(0.921)	1131866	1250.00	1007
90 n-Propylbenzene	120	11.885	11.880	(0.930)	1363956	1250.00	1017(Q)
91 2-Chlorotoluene	126	11.971	11.965	(0.936)	1201383	1250.00	1033(Q)
87 1,1,2,2-Tetrachloroethane	83	11.764	11.764	(0.920)	854377	1250.00	1027
89 1,2,3-Trichloropropane	110	11.812	11.807	(0.924)	238728	1250.00	1092
93 4-Chlorotoluene	126	12.080	12.081	(0.945)	1115707	1250.00	1040(Q)
92 1,3,5-Trimethylbenzene	105	12.056	12.056	(0.943)	3167991	1250.00	796.7
95 tert-Butylbenzene	119	12.384	12.385	(0.969)	3261859	1250.00	857.4
96 1,2,4-Trimethylbenzene	105	12.433	12.427	(0.972)	3347532	1250.00	817.7
97 sec-Butylbenzene	105	12.603	12.604	(0.986)	4096126	1250.00	754.1
99 4-Isopropyltoluene	119	12.749	12.744	(0.997)	3389510	1250.00	774.6
98 1,3-Dichlorobenzene	146	12.719	12.719	(0.995)	2053301	1250.00	923.8
103 n-Butylbenzene	91	13.157	13.157	(1.029)	3320706	1250.00	760.5
101 1,4-Dichlorobenzene	146	12.810	12.805	(1.002)	1985926	1250.00	969.7
104 1,2-Dichlorobenzene	146	13.181	13.182	(1.031)	1764687	1250.00	918.8
106 1,2-Dibromo-3-chloropropane	157	13.966	13.967	(1.092)	152138	1250.00	1360
108 1,2,4-Trichlorobenzene	180	14.799	14.794	(1.157)	824565	1250.00	1024
109 Hexachlorobutadiene	225	14.970	14.964	(1.171)	641776	1250.00	939.0
110 Naphthalene	128	15.049	15.049	(1.177)	1067645	1250.00	1053
111 1,2,3-Trichlorobenzene	180	15.298	15.299	(1.196)	522635	1250.00	1069
18 Methyl Acetate	43	4.129	4.142	(0.561)	507829	1250.00	836.3
42 Cyclohexane	56	6.672	6.679	(0.907)	2097530	1250.00	790.1
55 Methyl Cyclohexane	83	7.949	7.950	(1.080)	2162745	1250.00	799.1
107 1,3,5-Trichlorobenzene	180	14.179	14.173	(1.109)	1284667	1250.00	941.4
17 Acetonitrile	40	4.044	4.051	(0.549)	1103860	25000.0	20460
M 117 Xylenes (total)	106				4747330	3750.00	2597

QC Flag Legend

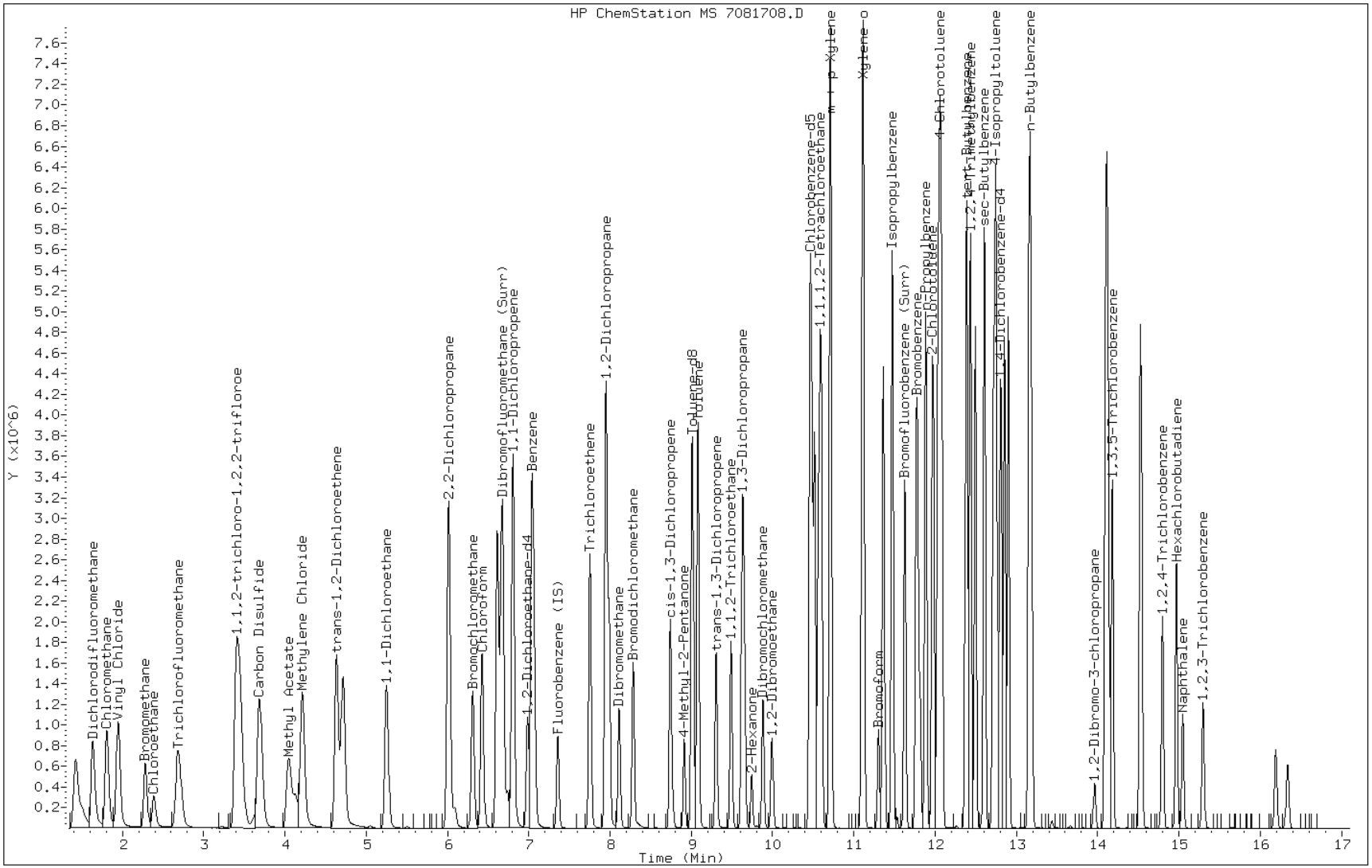
Q - Qualifier signal failed the ratio test.

Data File: 7081708.D

Date: 17-AUG-2012 05:18

Client ID: vstd250 Instrument: hp7.i

Sample Info: IC, 250 Operator: 430936



TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\D\chem\hp7.i\7081712dH20.b\7081713.D
Lab Smp Id: 7081712d.b Client Smp ID: vstd5
Inj Date : 17-AUG-2012 07:49 MS Autotune Date: 29-DEC-2009 18:31
Operator : 430936 Inst ID: hp7.i
Smp Info : IC, 5
Misc Info : 7081712d.b,T8260bh2o.m,1-dwh2o.sub
Comment :
Method : \\pitsvr06\D\chem\hp7.i\7081712dH20.b\T8260bh2o.m
Meth Date : 17-Aug-2012 09:48 zukowskim Quant Type: ISTD
Cal Date : 17-AUG-2012 07:49 Cal File: 7081713.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)
* 49 Fluorobenzene (IS)	96	7.360	7.360	(1.000)	975744	250.000	
* 77 Chlorobenzene-d5	119	10.450	10.450	(1.000)	244010	250.000	
* 100 1,4-Dichlorobenzene-d4	152	12.780	12.780	(1.000)	369898	250.000	
$ 40 Dibromofluoromethane (Surr)	113	6.618	6.618	(0.899)	28521	25.0000	30.08
$ 46 1,2-Dichloroethane-d4	65	6.989	6.989	(0.950)	26842	25.0000	30.79
$ 67 Toluene-d8	98	9.015	9.015	(0.863)	115500	25.0000	31.10
$ 86 Bromofluorobenzene (Surr)	95	11.624	11.624	(1.112)	48061	25.0000	30.71
1 Dichlorodifluoromethane	85	1.648	1.648	(0.224)	52063	25.0000	28.79
2 Chloromethane	50	1.800	1.800	(0.245)	70016	25.0000	30.75(M)
3 Vinyl Chloride	62	1.940	1.940	(0.264)	65674	25.0000	28.21
5 Bromomethane	94	2.280	2.280	(0.310)	28972	25.0000	38.09(M)
7 Chloroethane	64	2.390	2.390	(0.325)	12057	25.0000	26.95
8 Trichlorofluoromethane	101	2.724	2.724	(0.370)	48828	25.0000	29.84
13 1,1,2-trichloro-1,2,2-trifluor	101	3.485	3.485	(0.474)	37534	25.0000	27.94
12 1,1-Dichloroethene	96	3.424	3.424	(0.465)	41477	25.0000	30.18
15 Carbon Disulfide	76	3.722	3.722	(0.506)	120329	25.0000	27.88
14 Acetone	43	3.612	3.612	(0.491)	7121	25.0000	31.53(M)
20 Methylene Chloride	84	4.233	4.233	(0.575)	68624	25.0000	42.87
24 trans-1,2-Dichloroethene	96	4.653	4.653	(0.632)	42782	25.0000	30.01
25 Methyl tert-butyl ether	73	4.714	4.714	(0.640)	91428	25.0000	31.14
28 1,1-Dichloroethane	63	5.261	5.261	(0.715)	70963	25.0000	29.85
32 2,2-Dichloropropane	77	6.015	6.015	(0.817)	47599	25.0000	28.69
33 cis-1,2-dichloroethene	96	6.034	6.034	(0.820)	43097	25.0000	30.63
M 116 1,2-Dichloroethene (total)	96				85879	50.0000	60.64
36 Bromochloromethane	128	6.320	6.320	(0.859)	16084	25.0000	29.14
34 2-Butanone	43	6.095	6.095	(0.828)	6896	25.0000	27.06
38 Chloroform	83	6.429	6.429	(0.874)	61980	25.0000	30.96
41 1,1,1-Trichloroethane	97	6.624	6.624	(0.900)	53670	25.0000	29.73

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
44 1,1-Dichloropropene	75	6.812	6.812	(0.926)	46094	25.0000	29.99
45 Carbon Tetrachloride	117	6.812	6.812	(0.926)	39715	25.0000	28.42
47 Benzene	78	7.044	7.044	(0.957)	138941	25.0000	32.02
48 1,2-Dichloroethane	62	7.068	7.068	(0.960)	30733	25.0000	31.07
54 Trichloroethene	130	7.755	7.755	(1.054)	31623	25.0000	28.56
56 1,2-Dichloropropane	63	7.993	7.993	(1.086)	30254	25.0000	31.32
57 Dibromomethane	93	8.108	8.108	(1.102)	15392	25.0000	30.13
60 Bromodichloromethane	83	8.285	8.285	(1.126)	29488	25.0000	26.52
63 cis-1,3-Dichloropropene	75	8.747	8.747	(1.188)	37483	25.0000	28.39
65 4-Methyl-2-Pentanone	43	8.911	8.911	(0.853)	15075	25.0000	25.45
68 Toluene	91	9.082	9.082	(0.869)	129615	25.0000	30.78
69 trans-1,3-Dichloropropene	75	9.307	9.307	(0.891)	31665	25.0000	27.54
72 1,3-Dichloropropane	76	9.653	9.653	(0.924)	36640	25.0000	31.05
70 1,1,2-Trichloroethane	97	9.483	9.483	(0.907)	22647	25.0000	30.11
71 Tetrachloroethene	164	9.629	9.629	(0.921)	27692	25.0000	28.72
74 2-Hexanone	43	9.745	9.745	(0.932)	9010	25.0000	25.82
75 Dibromochloromethane	129	9.878	9.878	(0.945)	17421	25.0000	24.40
76 1,2-Dibromoethane	107	9.994	9.994	(0.956)	21719	25.0000	28.67
78 Chlorobenzene	112	10.481	10.481	(1.003)	79001	25.0000	30.50
79 1,1,1,2-Tetrachloroethane	131	10.566	10.566	(1.011)	23929	25.0000	24.50
80 Ethylbenzene	106	10.590	10.590	(1.013)	44515	25.0000	29.52
81 m + p-Xylene	106	10.706	10.706	(1.024)	111710	50.0000	61.89
82 Xylene-o	106	11.101	11.101	(1.062)	63972	25.0000	29.78
83 Styrene	104	11.113	11.113	(1.063)	92346	25.0000	30.56
84 Bromoform	173	11.302	11.302	(1.081)	10363	25.0000	23.50
85 Isopropylbenzene	105	11.472	11.472	(1.098)	168372	25.0000	31.02
88 Bromobenzene	156	11.777	11.777	(0.921)	37709	25.0000	30.40
90 n-Propylbenzene	120	11.880	11.880	(0.930)	46085	25.0000	31.16
91 2-Chlorotoluene	126	11.965	11.965	(0.936)	38730	25.0000	30.19
87 1,1,2,2-Tetrachloroethane	83	11.764	11.764	(0.921)	26143	25.0000	28.49
89 1,2,3-Trichloropropane	110	11.807	11.807	(0.924)	7204	25.0000	29.86
93 4-Chlorotoluene	126	12.081	12.081	(0.945)	38581	25.0000	32.60
92 1,3,5-Trimethylbenzene	105	12.056	12.056	(0.943)	142778	25.0000	32.54
95 tert-Butylbenzene	119	12.385	12.385	(0.969)	124175	25.0000	29.58
96 1,2,4-Trimethylbenzene	105	12.427	12.427	(0.972)	146918	25.0000	32.53
97 sec-Butylbenzene	105	12.604	12.604	(0.986)	192653	25.0000	32.15
99 4-Isopropyltoluene	119	12.744	12.744	(0.997)	156288	25.0000	32.37
98 1,3-Dichlorobenzene	146	12.719	12.719	(0.995)	73620	25.0000	30.02
103 n-Butylbenzene	91	13.157	13.157	(1.030)	151394	25.0000	31.43
101 1,4-Dichlorobenzene	146	12.805	12.805	(1.002)	67357	25.0000	29.81
104 1,2-Dichlorobenzene	146	13.182	13.182	(1.031)	64009	25.0000	30.21
106 1,2-Dibromo-3-chloropropane	157	13.967	13.967	(1.093)	2507	25.0000	20.31
108 1,2,4-Trichlorobenzene	180	14.794	14.794	(1.158)	20469	25.0000	23.04
109 Hexachlorobutadiene	225	14.964	14.964	(1.171)	20085	25.0000	26.63
110 Naphthalene	128	15.049	15.049	(1.178)	21189	25.0000	18.94
111 1,2,3-Trichlorobenzene	180	15.299	15.299	(1.197)	10631	25.0000	19.71
18 Methyl Acetate	43	4.142	4.142	(0.563)	19642	25.0000	33.32(M)
42 Cyclohexane	56	6.679	6.679	(0.907)	80621	25.0000	31.29
55 Methyl Cyclohexane	83	7.950	7.950	(1.080)	79262	25.0000	30.17
107 1,3,5-Trichlorobenzene	180	14.173	14.173	(1.109)	43542	25.0000	28.92
17 Acetonitrile	40	4.051	4.051	(0.550)	18649	500.000	356.1
M 117 Xylenes (total)	106				175682	75.0000	91.68

QC Flag Legend

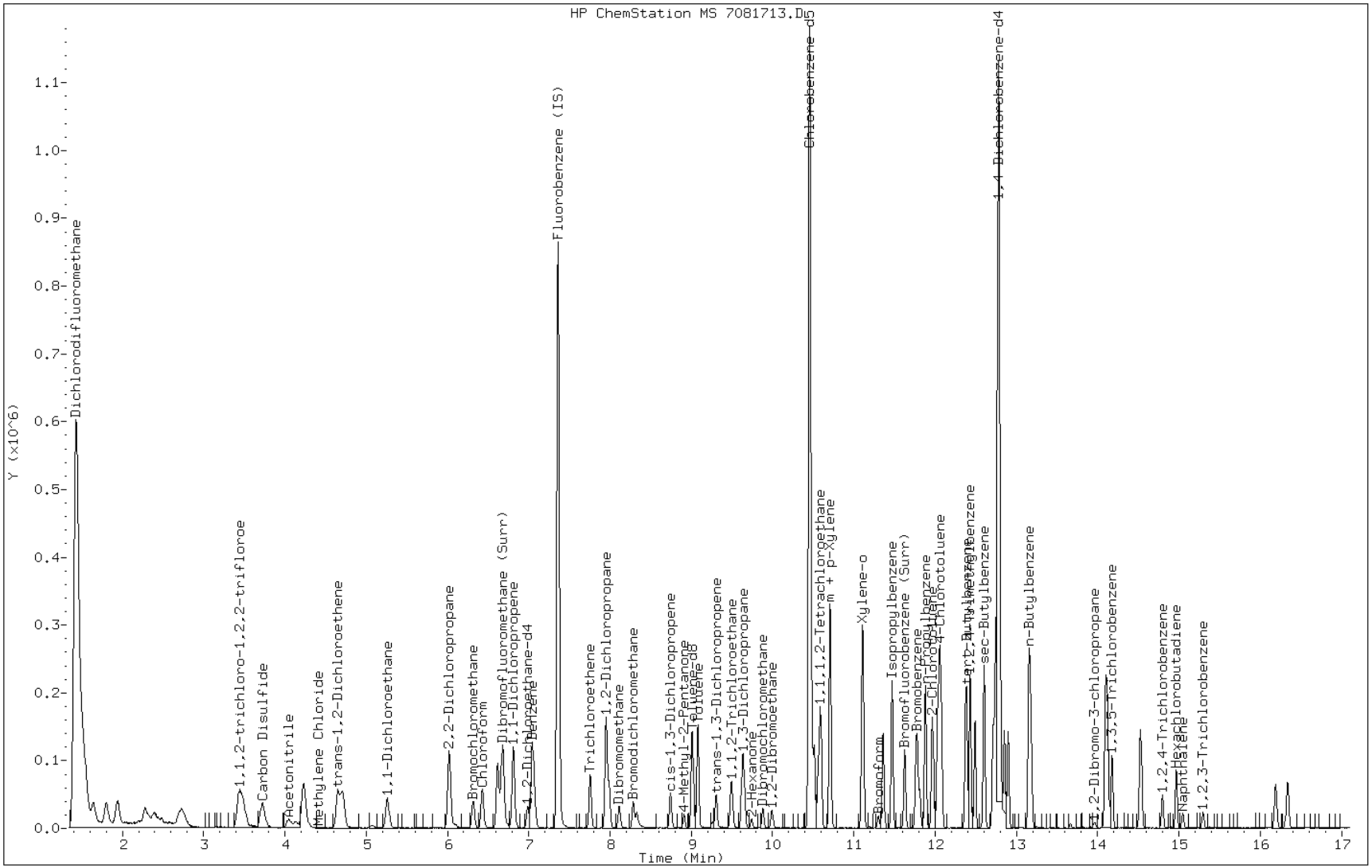
M - Compound response manually integrated.

Data File: 7081713.D

Date: 17-AUG-2012 07:49

Client ID: vstd5 Instrument: hp7.i

Sample Info: IC, 5 Operator: 430936



Manual Integration Report

Data File: 7081713.D
Inj. Date and Time: 17-AUG-2012 07:49
Instrument ID: hp7.i
Client ID: vstd5
Compound: 2 Chloromethane
CAS #: 74-87-3
Report Date: 08/17/2012

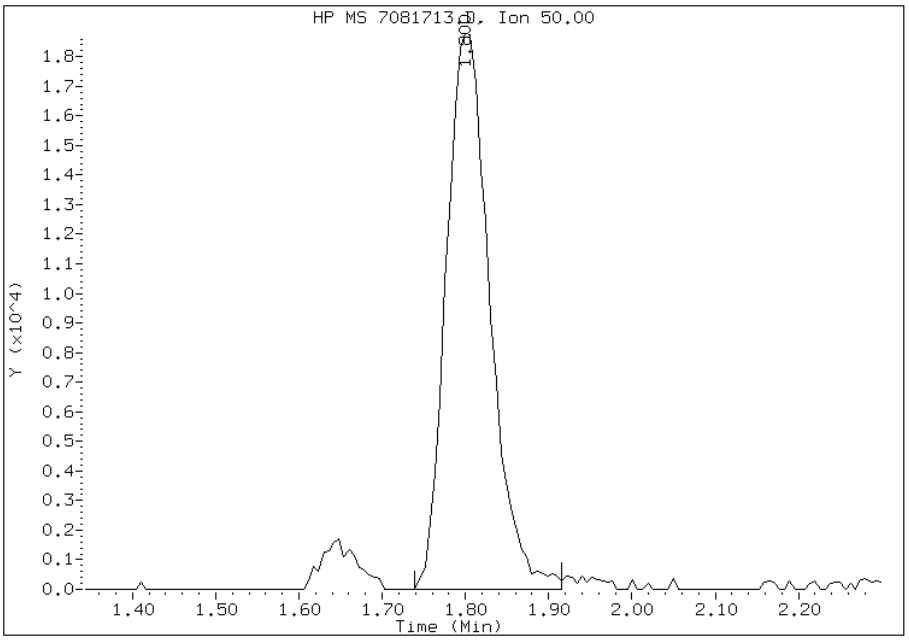
Processing Integration Results

RT: 1.80

Response: 68796

Amount: 30

Conc: 30



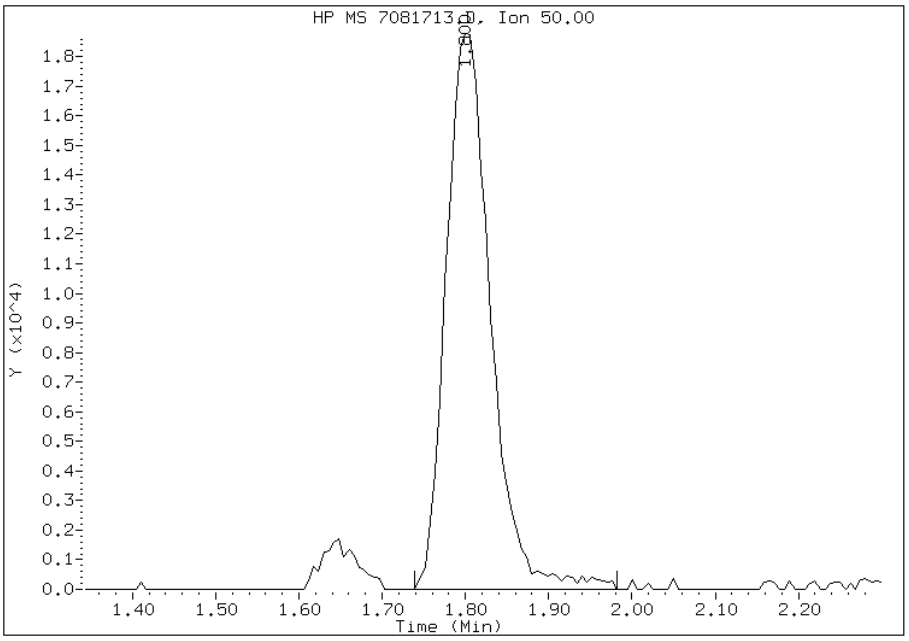
Manual Integration Results

RT: 1.80

Response: 70016

Amount: 31

Conc: 31



Manually Integrated By: zukowskim
Modification Date: 17-Aug-2012 09:42
Manual Integration Reason: Peak Integrated Incorrectly

Manual Integration Report

Data File: 7081713.D
Inj. Date and Time: 17-AUG-2012 07:49
Instrument ID: hp7.i
Client ID: vstd5
Compound: 5 Bromomethane
CAS #: 74-83-9
Report Date: 08/17/2012

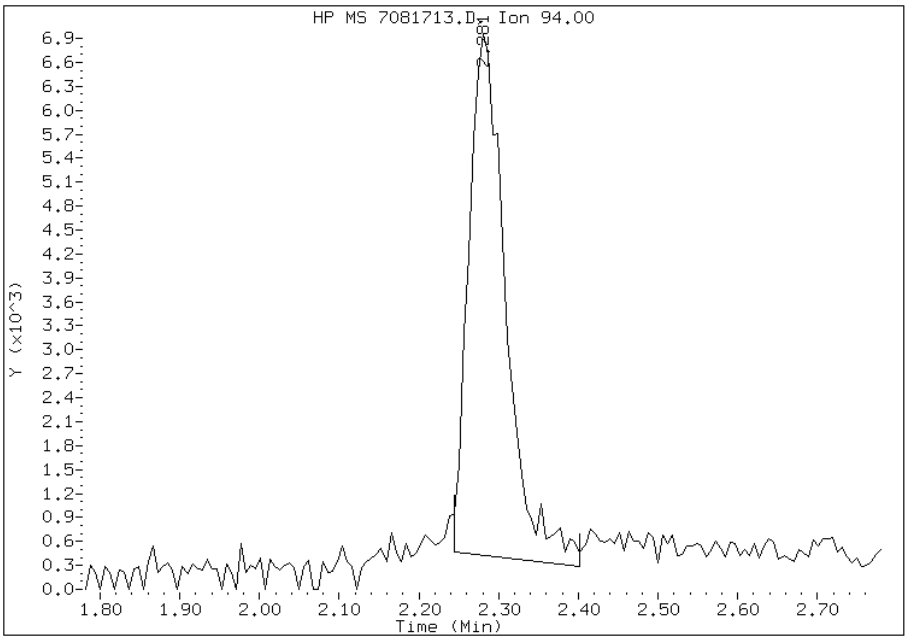
Processing Integration Results

RT: 2.28

Response: 21484

Amount: 30

Conc: 30



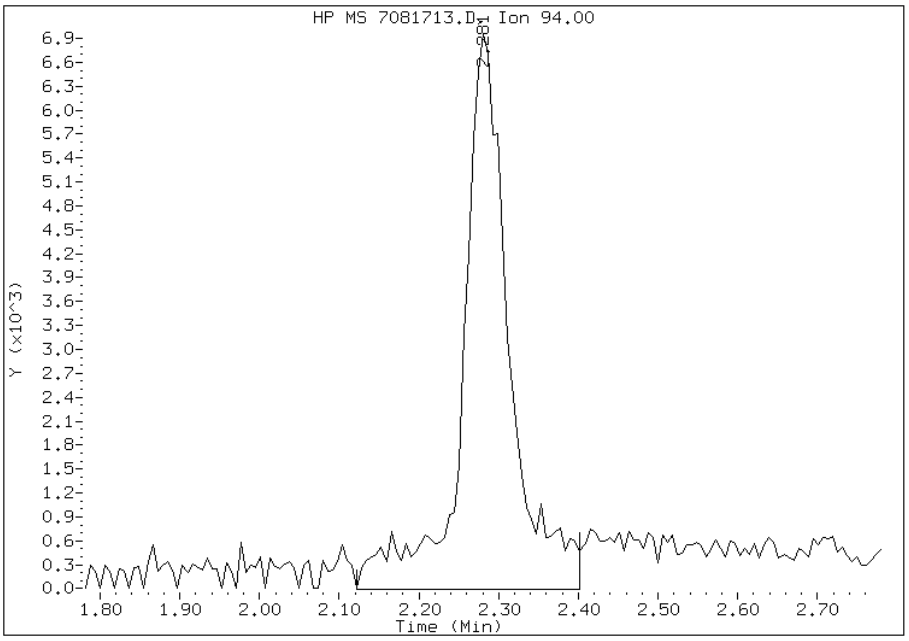
Manual Integration Results

RT: 2.28

Response: 28972

Amount: 38

Conc: 38



Manually Integrated By: zukowskim
Modification Date: 17-Aug-2012 09:43
Manual Integration Reason: Peak Integrated Incorrectly

Manual Integration Report

Data File: 7081713.D
Inj. Date and Time: 17-AUG-2012 07:49
Instrument ID: hp7.i
Client ID: vstd5
Compound: 14 Acetone
CAS #: 67-64-1
Report Date: 08/17/2012

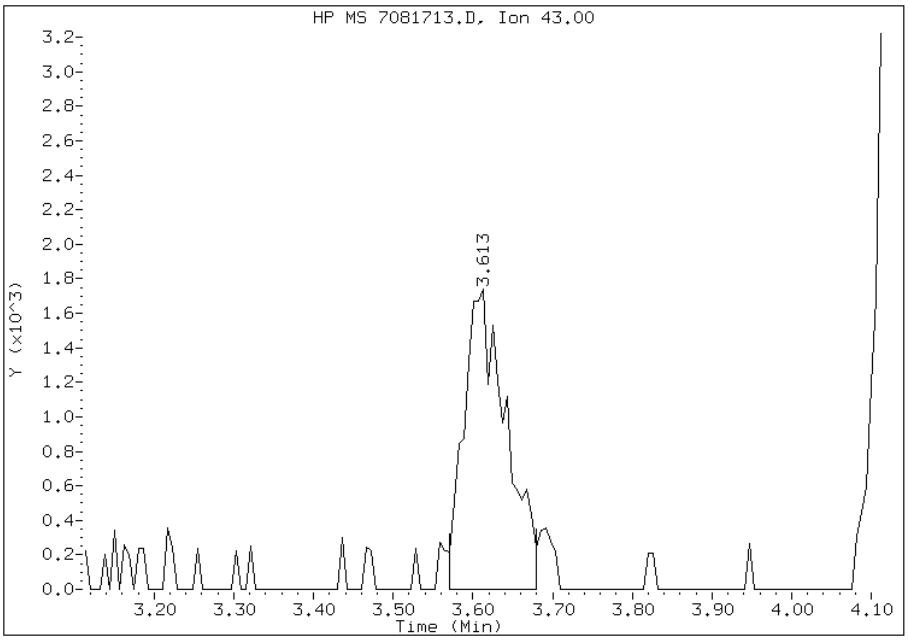
Processing Integration Results

RT: 3.61

Response: 6501

Amount: 29

Conc: 29



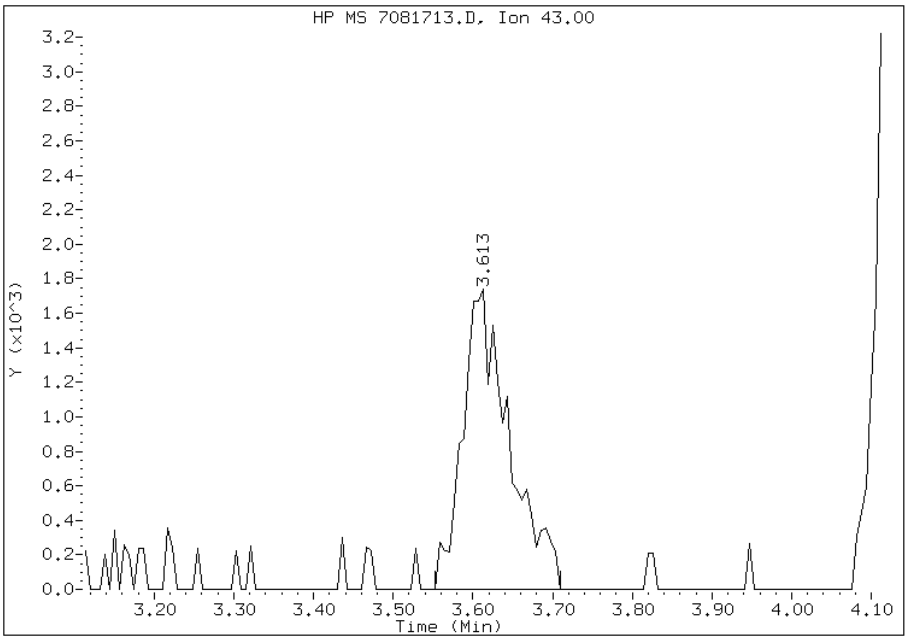
Manual Integration Results

RT: 3.61

Response: 7121

Amount: 32

Conc: 32



Manually Integrated By: zukowskim
Modification Date: 17-Aug-2012 09:43
Manual Integration Reason: Peak Integrated Incorrectly

Manual Integration Report

Data File: 7081713.D
Inj. Date and Time: 17-AUG-2012 07:49
Instrument ID: hp7.i
Client ID: vstd5
Compound: 18 Methyl Acetate
CAS #: 79-20-9
Report Date: 08/17/2012

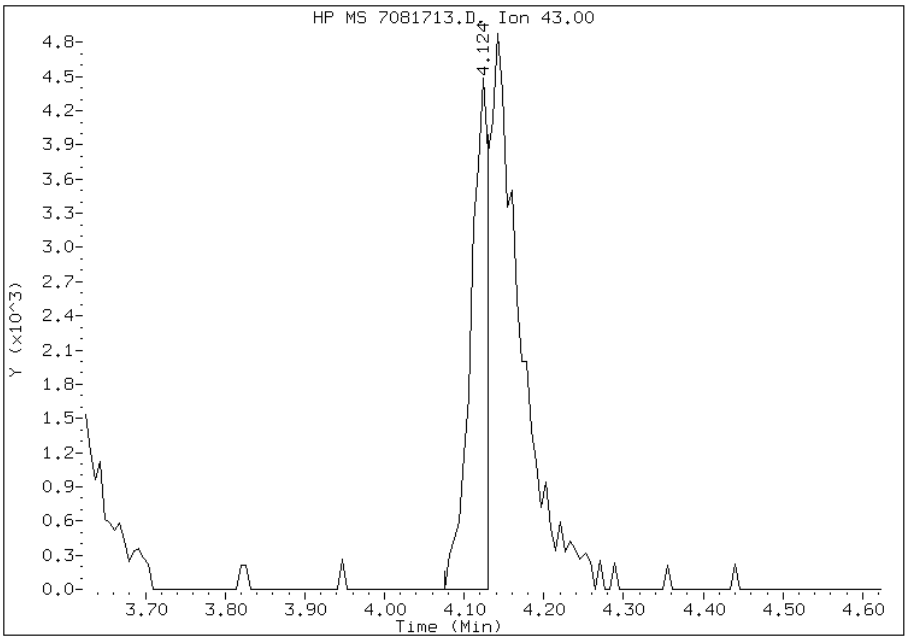
Processing Integration Results

RT: 4.12

Response: 7106

Amount: 14

Conc: 14



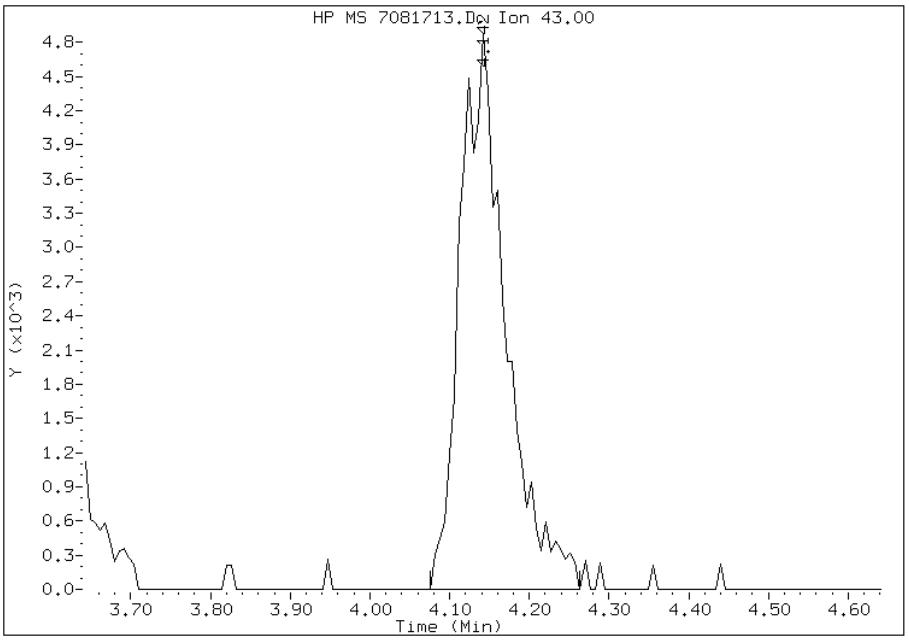
Manual Integration Results

RT: 4.14

Response: 19642

Amount: 33

Conc: 33



Manually Integrated By: zukowskim
Modification Date: 17-Aug-2012 09:43
Manual Integration Reason: Peak Integrated Incorrectly

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCVIS 180-45860/2 Calibration Date: 08/22/2012 05:07

Instrument ID: HP7 Calib Start Date: 08/17/2012 02:39

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 08/17/2012 07:49

Lab File ID: 7082207.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	0.4634	0.3261		28.1	40.0	-29.6	50.0
Chloromethane	Ave	0.5834	0.5099	0.1000	35.0	40.0	-12.6	
Vinyl chloride	Ave	0.5965	0.4909		32.9	40.0	-17.7	20.0
Bromomethane	Ave	0.1949	0.1804		37.0	40.0	-7.4	
Chloroethane	Ave	0.1146	0.1204		42.0	40.0	5.0	50.0
Trichlorofluoromethane	Ave	0.4192	0.4785		45.7	40.0	14.1	50.0
1,1-Dichloroethene	Ave	0.3521	0.3662		41.6	40.0	4.0	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.3442	0.3768		43.8	40.0	9.5	50.0
Acetone	Ave	0.0579	0.0806		55.7	40.0	39.2	50.0
Carbon disulfide	Ave	1.106	1.158		41.9	40.0	4.8	50.0
Methyl acetate	Ave	0.1510	0.1481		39.2	40.0	-1.9	50.0
Methylene Chloride	Ave	0.4101	0.3991		38.9	40.0	-2.7	50.0
trans-1,2-Dichloroethene	Ave	0.3653	0.3893		42.6	40.0	6.6	50.0
Methyl tert-butyl ether	Ave	0.7523	0.8111		43.1	40.0	7.8	50.0
1,1-Dichloroethane	Ave	0.6091	0.6864	0.1000	45.1	40.0	12.7	25.0
2,2-Dichloropropane	Ave	0.4251	0.5660		53.3	40.0	33.1	50.0
cis-1,2-Dichloroethene	Ave	0.3605	0.3695		41.0	40.0	2.5	50.0
2-Butanone (MEK)	Ave	0.0653	0.0733		44.9	40.0	12.3	50.0
Bromochloromethane	Ave	0.1414	0.1533		43.4	40.0	8.4	50.0
Chloroform	Ave	0.5130	0.5804		45.3	40.0	13.1	20.0
1,1,1-Trichloroethane	Ave	0.4626	0.5846		50.6	40.0	26.4*	25.0
Cyclohexane	Ave	0.6602	0.6819		41.3	40.0	3.3	50.0
1,1-Dichloropropene	Ave	0.3938	0.4047		41.1	40.0	2.7	50.0
Carbon tetrachloride	Ave	0.3580	0.4812		53.8	40.0	34.4*	25.0
Benzene	Ave	1.112	1.108		39.9	40.0	-0.4	25.0
1,2-Dichloroethane	Ave	0.2534	0.3114		49.1	40.0	22.9	25.0
Trichloroethene	Ave	0.2837	0.3117		43.9	40.0	9.9	25.0
Methylcyclohexane	Ave	0.6731	0.7222		42.9	40.0	7.3	50.0
1,2-Dichloropropane	Ave	0.2475	0.2532		40.9	40.0	2.3	20.0
Dibromomethane	Ave	0.1309	0.1453		44.4	40.0	11.0	50.0
Dichlorobromomethane	Ave	0.2848	0.3405		47.8	40.0	19.5	25.0
cis-1,3-Dichloropropene	Ave	0.3383	0.3745		44.3	40.0	10.7	25.0
4-Methyl-2-pentanone (MIBK)	Ave	0.6069	0.6891		45.4	40.0	13.5	50.0
Toluene	Ave	4.315	4.247		39.4	40.0	-1.6	20.0
trans-1,3-Dichloropropene	Ave	1.178	1.323		44.9	40.0	12.3	25.0
1,1,2-Trichloroethane	Ave	0.7707	0.7291		37.8	40.0	-5.4	25.0
Tetrachloroethene	Ave	0.9878	1.010		40.9	40.0	2.2	25.0
1,3-Dichloropropane	Ave	1.209	1.161		38.4	40.0	-4.0	50.0
2-Hexanone	Ave	0.3575	0.4869		54.5	40.0	36.2	50.0
Chlorodibromomethane	Ave	0.7314	0.8821		48.2	40.0	20.6	25.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCVIS 180-45860/2 Calibration Date: 08/22/2012 05:07

Instrument ID: HP7 Calib Start Date: 08/17/2012 02:39

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 08/17/2012 07:49

Lab File ID: 7082207.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromoethane	Ave	0.7761	0.8040		41.4	40.0	3.6	50.0
Chlorobenzene	Ave	2.654	2.729	0.3000	41.1	40.0	2.8	
1,1,1,2-Tetrachloroethane	Ave	1.001	1.115		44.6	40.0	11.4	50.0
Ethylbenzene	Ave	1.545	1.646		42.6	40.0	6.6	20.0
m-Xylene & p-Xylene	Ave	1.849	1.965		85.0	80.0	6.3	25.0
o-Xylene	Ave	2.201	2.260		41.1	40.0	2.7	25.0
Styrene	Ave	3.096	3.276		42.3	40.0	5.8	25.0
Bromoform	Ave	0.4519	0.5330	0.1000	47.2	40.0	17.9	
Isopropylbenzene	Ave	5.562	5.748		41.3	40.0	3.3	50.0
1,1,2,2-Tetrachloroethane	Ave	0.6201	0.5971	0.3000	38.5	40.0	-3.7	
Bromobenzene	Ave	0.8382	0.9006		43.0	40.0	7.4	50.0
1,2,3-Trichloropropane	Ave	0.1631	0.1555		38.1	40.0	-4.6	50.0
N-Propylbenzene	Ave	1.000	1.113		44.5	40.0	11.3	50.0
2-Chlorotoluene	Ave	0.8671	0.9239		42.6	40.0	6.6	50.0
1,3,5-Trimethylbenzene	Ave	2.965	3.019		40.7	40.0	1.8	50.0
4-Chlorotoluene	Ave	0.7998	0.8451		42.3	40.0	5.7	50.0
tert-Butylbenzene	Ave	2.837	2.814		39.7	40.0	-0.8	50.0
1,2,4-Trimethylbenzene	Ave	3.053	3.142		41.2	40.0	2.9	50.0
sec-Butylbenzene	Ave	4.050	4.123		40.7	40.0	1.8	50.0
1,3-Dichlorobenzene	Ave	1.657	1.708		41.2	40.0	3.1	25.0
4-Isopropyltoluene	Ave	3.263	3.459		42.4	40.0	6.0	50.0
1,4-Dichlorobenzene	Ave	1.527	1.537		40.2	40.0	0.6	25.0
n-Butylbenzene	Ave	3.256	3.480		42.8	40.0	6.9	50.0
1,2-Dichlorobenzene	Ave	1.432	1.351		37.7	40.0	-5.6	25.0
1,2-Dibromo-3-Chloropropane	Ave	0.0834	0.0789		37.8	40.0	-5.4	50.0
1,3,5-Trichlorobenzene	Ave	1.018	0.7675		30.2	40.0	-24.6	50.0
1,2,4-Trichlorobenzene	Ave	0.6004	0.3824		25.5	40.0	-36.3	50.0
Hexachlorobutadiene	Ave	0.5097	0.4632		36.4	40.0	-9.1	50.0
Naphthalene	Ave	0.7562	0.4606		24.4	40.0	-39.1	50.0
1,2,3-Trichlorobenzene	Ave	0.3645	0.1895		20.8	40.0	-48.0	50.0
Dibromofluoromethane (Surr)	Ave	0.2429	0.2779		45.8	40.0	14.4	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2234	0.2796		50.1	40.0	25.2*	25.0
Toluene-d8 (Surr)	Ave	3.805	3.819		40.1	40.0	0.4	50.0
4-Bromofluorobenzene (Surr)	Ave	1.603	1.747		43.6	40.0	8.9	25.0

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\D\chem\hp7.i\7082212d.b\7082207.D
Lab Smp Id: CCVIS Client Smp ID: vstd40
Inj Date : 22-AUG-2012 05:07 MS Autotune Date: 29-DEC-2009 18:31
Operator : 430936 Inst ID: hp7.i
Smp Info : CCVIS
Misc Info : 7082212d.b,T8260bh2o.m,1-dwh2o.sub
Comment :
Method : \\pitsvr06\D\chem\hp7.i\7082212d.b\T8260bh2o.m
Meth Date : 22-Aug-2012 07:44 hp7.i Quant Type: ISTD
Cal Date : 17-AUG-2012 05:18 Cal File: 7081708.D
Als bottle: 1 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)
* 49 Fluorobenzene (IS)	96	7.357	7.357	(1.000)	970066	250.000	
* 77 Chlorobenzene-d5	119	10.454	10.454	(1.000)	238444	250.000	
* 100 1,4-Dichlorobenzene-d4	152	12.778	12.778	(1.000)	372570	250.000	
$ 40 Dibromofluoromethane (Surr)	113	6.609	6.609	(0.898)	215659	200.000	228.8
$ 46 1,2-Dichloroethane-d4	65	6.986	6.986	(0.950)	216988	200.000	250.4
$ 67 Toluene-d8	98	9.012	9.012	(0.862)	728481	200.000	200.7
$ 86 Bromofluorobenzene (Surr)	95	11.622	11.622	(1.112)	333224	200.000	217.9
1 Dichlorodifluoromethane	85	1.639	1.639	(0.223)	253070	200.000	140.7(M)
2 Chloromethane	50	1.803	1.803	(0.245)	395717	200.000	174.8(M)
3 Vinyl Chloride	62	1.937	1.937	(0.263)	380951	200.000	164.6
5 Bromomethane	94	2.277	2.277	(0.310)	139988	200.000	185.1
7 Chloroethane	64	2.387	2.387	(0.324)	93404	200.000	210.0
8 Trichlorofluoromethane	101	2.697	2.697	(0.367)	371352	200.000	228.3
13 1,1,2-trichloro-1,2,2-trifluor	101	3.458	3.458	(0.470)	292399	200.000	218.9
12 1,1-Dichloroethene	96	3.415	3.415	(0.464)	284158	200.000	208.0
15 Carbon Disulfide	76	3.707	3.707	(0.504)	898984	200.000	209.5
14 Acetone	43	3.610	3.610	(0.491)	62509	200.000	278.4
20 Methylene Chloride	84	4.224	4.224	(0.574)	309699	200.000	194.6
24 trans-1,2-Dichloroethene	96	4.644	4.644	(0.631)	302105	200.000	213.2
25 Methyl tert-butyl ether	73	4.705	4.705	(0.640)	629455	200.000	215.6
28 1,1-Dichloroethane	63	5.258	5.258	(0.715)	532666	200.000	225.4
32 2,2-Dichloropropane	77	6.013	6.013	(0.817)	439221	200.000	266.3
33 cis-1,2-dichloroethene	96	6.019	6.019	(0.818)	286769	200.000	205.0
M 116 1,2-Dichloroethene (total)	96				588874	400.000	418.2
36 Bromochloromethane	128	6.311	6.311	(0.858)	118997	200.000	216.9
34 2-Butanone	43	6.092	6.092	(0.828)	56900	200.000	224.6
38 Chloroform	83	6.426	6.426	(0.873)	450433	200.000	226.3
41 1,1,1-Trichloroethane	97	6.621	6.621	(0.900)	453690	200.000	252.8

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
44 1,1-Dichloropropene	75	6.810	6.810	(0.926)	314046	200.000	205.5
45 Carbon Tetrachloride	117	6.810	6.810	(0.926)	373449	200.000	268.8
47 Benzene	78	7.041	7.041	(0.957)	859598	200.000	199.3
48 1,2-Dichloroethane	62	7.071	7.071	(0.961)	241655	200.000	245.7
54 Trichloroethene	130	7.753	7.753	(1.054)	241857	200.000	219.7
56 1,2-Dichloropropane	63	7.990	7.990	(1.086)	196507	200.000	204.6
57 Dibromomethane	93	8.112	8.112	(1.103)	112773	200.000	222.0
60 Bromodichloromethane	83	8.282	8.282	(1.126)	264237	200.000	239.1
63 cis-1,3-Dichloropropene	75	8.738	8.738	(1.188)	290665	200.000	221.4
65 4-Methyl-2-Pentanone	43	8.908	8.908	(0.852)	131450	200.000	227.1
68 Toluene	91	9.079	9.079	(0.868)	810206	200.000	196.9
69 trans-1,3-Dichloropropene	75	9.304	9.304	(0.890)	252441	200.000	224.7
72 1,3-Dichloropropane	76	9.651	9.651	(0.923)	221430	200.000	192.0
70 1,1,2-Trichloroethane	97	9.486	9.486	(0.907)	139078	200.000	189.2
71 Tetrachloroethene	164	9.626	9.626	(0.921)	192645	200.000	204.5
74 2-Hexanone	43	9.742	9.742	(0.932)	92874	200.000	272.4
75 Dibromochloromethane	129	9.882	9.882	(0.945)	168268	200.000	241.2
76 1,2-Dibromoethane	107	9.991	9.991	(0.956)	153358	200.000	207.2
78 Chlorobenzene	112	10.484	10.484	(1.003)	520549	200.000	205.6
79 1,1,1,2-Tetrachloroethane	131	10.563	10.563	(1.010)	212747	200.000	222.9(Q)
80 Ethylbenzene	106	10.594	10.594	(1.013)	313985	200.000	213.1
81 m + p-Xylene	106	10.709	10.709	(1.024)	749808	400.000	425.1
82 Xylene-o	106	11.105	11.105	(1.062)	431147	200.000	205.4
83 Styrene	104	11.117	11.117	(1.063)	624982	200.000	211.6
84 Bromoform	173	11.305	11.305	(1.081)	101669	200.000	235.9
85 Isopropylbenzene	105	11.470	11.470	(1.097)	1096422	200.000	206.7
88 Bromobenzene	156	11.780	11.780	(0.922)	268423	200.000	214.9
90 n-Propylbenzene	120	11.883	11.883	(0.930)	331586	200.000	222.6
91 2-Chlorotoluene	126	11.968	11.968	(0.937)	275385	200.000	213.1
87 1,1,2,2-Tetrachloroethane	83	11.762	11.762	(0.920)	177974	200.000	192.6
89 1,2,3-Trichloropropane	110	11.810	11.810	(0.924)	46355	200.000	190.7
93 4-Chlorotoluene	126	12.078	12.078	(0.945)	251880	200.000	211.3
92 1,3,5-Trimethylbenzene	105	12.054	12.054	(0.943)	899752	200.000	203.6
95 tert-Butylbenzene	119	12.382	12.382	(0.969)	838674	200.000	198.4
96 1,2,4-Trimethylbenzene	105	12.431	12.431	(0.973)	936480	200.000	205.8
97 sec-Butylbenzene	105	12.601	12.601	(0.986)	1228850	200.000	203.6
99 4-Isopropyltoluene	119	12.741	12.741	(0.997)	1030924	200.000	212.0
98 1,3-Dichlorobenzene	146	12.717	12.717	(0.995)	509181	200.000	206.1
103 n-Butylbenzene	91	13.155	13.155	(1.030)	1037277	200.000	213.8
101 1,4-Dichlorobenzene	146	12.802	12.802	(1.002)	457983	200.000	201.2
104 1,2-Dichlorobenzene	146	13.179	13.179	(1.031)	402767	200.000	188.7
106 1,2-Dibromo-3-chloropropane	157	13.958	13.958	(1.092)	23530	200.000	189.2
108 1,2,4-Trichlorobenzene	180	14.797	14.797	(1.158)	113988	200.000	127.4
109 Hexachlorobutadiene	225	14.968	14.968	(1.171)	138058	200.000	181.8
110 Naphthalene	128	15.047	15.047	(1.178)	137285	200.000	121.8(M)
111 1,2,3-Trichlorobenzene	180	15.296	15.296	(1.197)	56478	200.000	104.0
18 Methyl Acetate	43	4.139	4.139	(0.563)	114957	200.000	196.2
42 Cyclohexane	56	6.676	6.676	(0.907)	529161	200.000	206.6
55 Methyl Cyclohexane	83	7.953	7.953	(1.081)	560442	200.000	214.6
107 1,3,5-Trichlorobenzene	180	14.177	14.177	(1.110)	228759	200.000	150.8
M 117 Xylenes (total)	106				1180955	600.000	630.5

QC Flag Legend

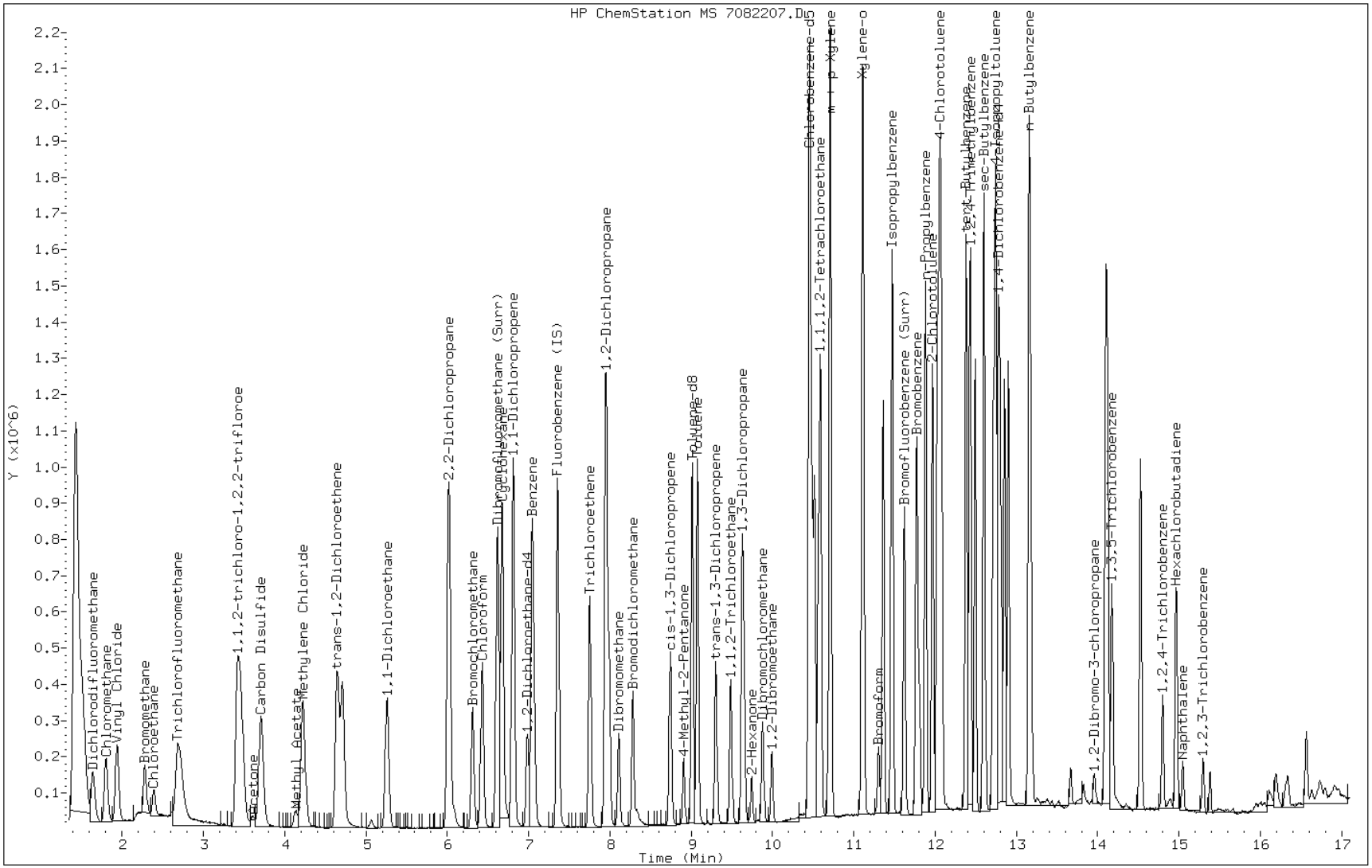
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: 7082207.D

Date: 22-AUG-2012 05:07

Client ID: vstd40 Instrument: hp7.i

Sample Info: CCVIS Operator: 430936



Manual Integration Report

Data File: 7082207.D
Inj. Date and Time: 22-AUG-2012 05:07
Instrument ID: hp7.i
Client ID: vstd40
Compound: 1 Dichlorodifluoromethane
CAS #: 75-71-8
Report Date: 08/22/2012

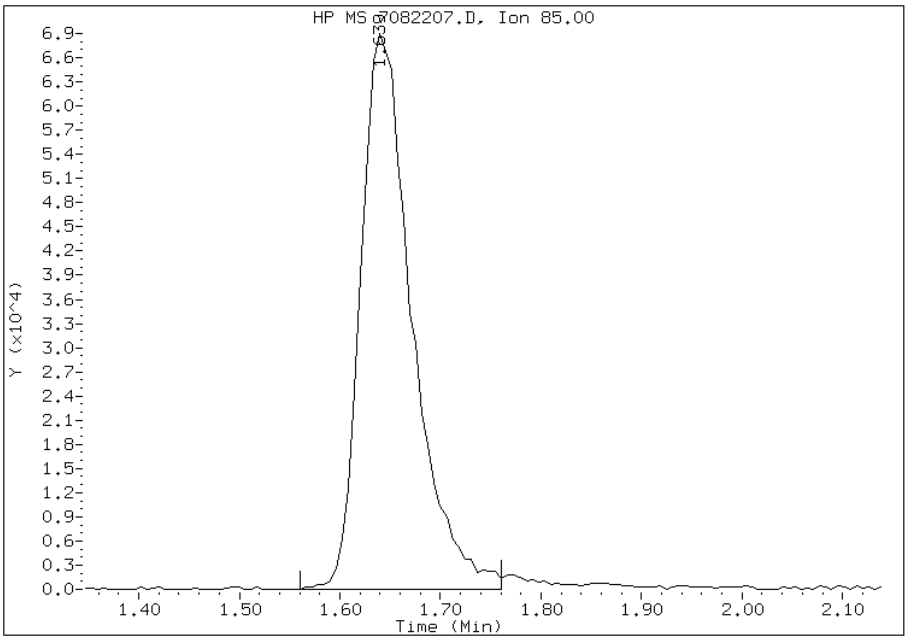
Processing Integration Results

RT: 1.64

Response: 245959

Amount: 137

Conc: 137



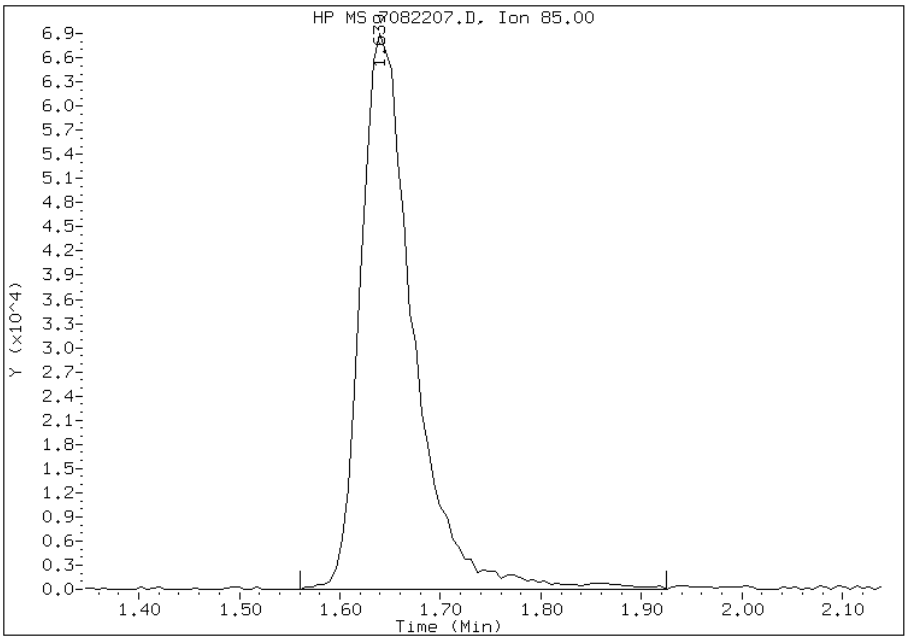
Manual Integration Results

RT: 1.64

Response: 253070

Amount: 141

Conc: 141



Manually Integrated By: zukowskim
Modification Date: 22-Aug-2012 06:14
Manual Integration Reason: Peak Integrated Incorrectly

Manual Integration Report

Data File: 7082207.D
Inj. Date and Time: 22-AUG-2012 05:07
Instrument ID: hp7.i
Client ID: vstd40
Compound: 2 Chloromethane
CAS #: 74-87-3
Report Date: 08/22/2012

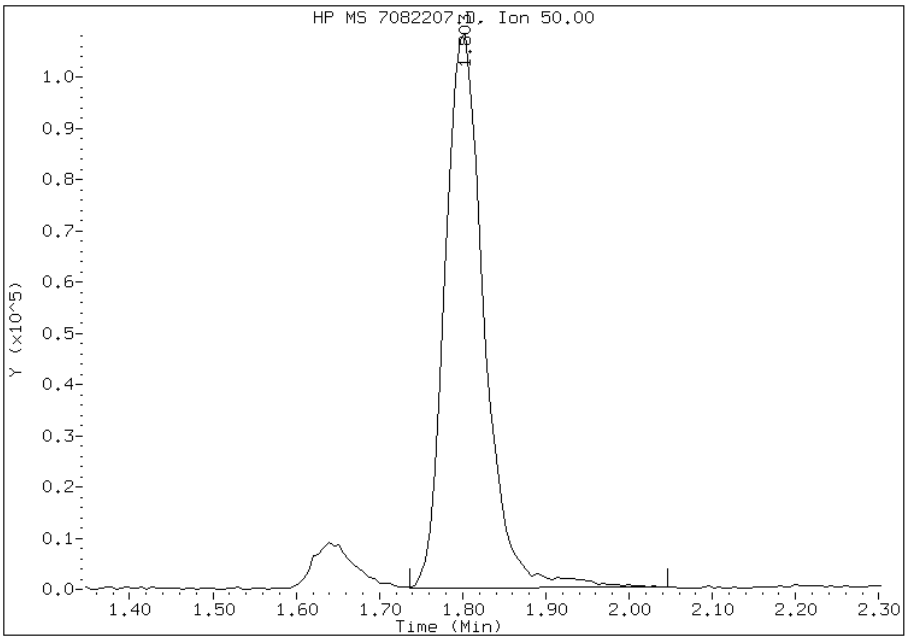
Processing Integration Results

RT: 1.80

Response: 357155

Amount: 158

Conc: 158



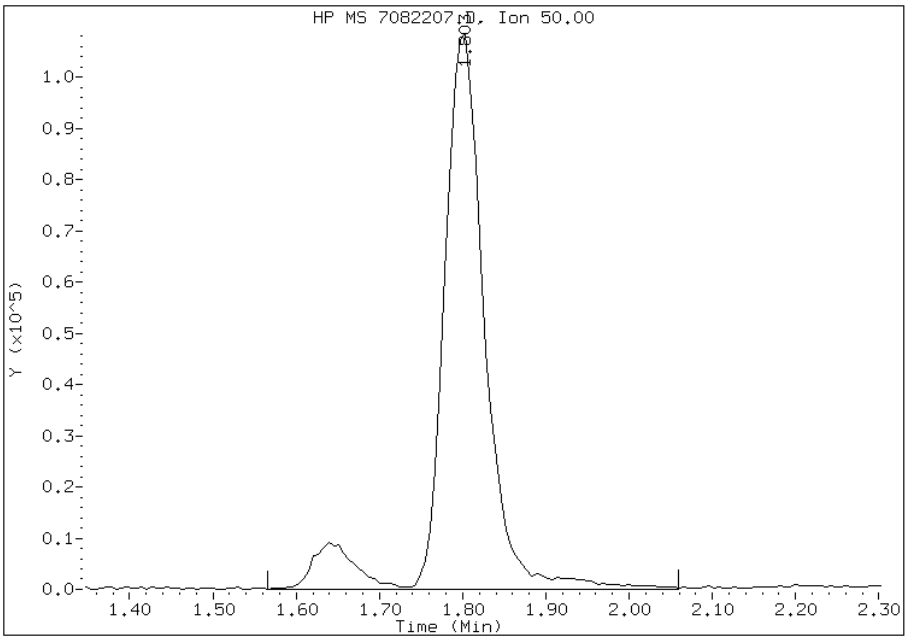
Manual Integration Results

RT: 1.80

Response: 395717

Amount: 175

Conc: 175



Manually Integrated By: zukowskim
Modification Date: 22-Aug-2012 06:15
Manual Integration Reason: Peak Integrated Incorrectly

Manual Integration Report

Data File: 7082207.D
Inj. Date and Time: 22-AUG-2012 05:07
Instrument ID: hp7.i
Client ID: vstd40
Compound: 110 Naphthalene
CAS #: 91-20-3
Report Date: 08/22/2012

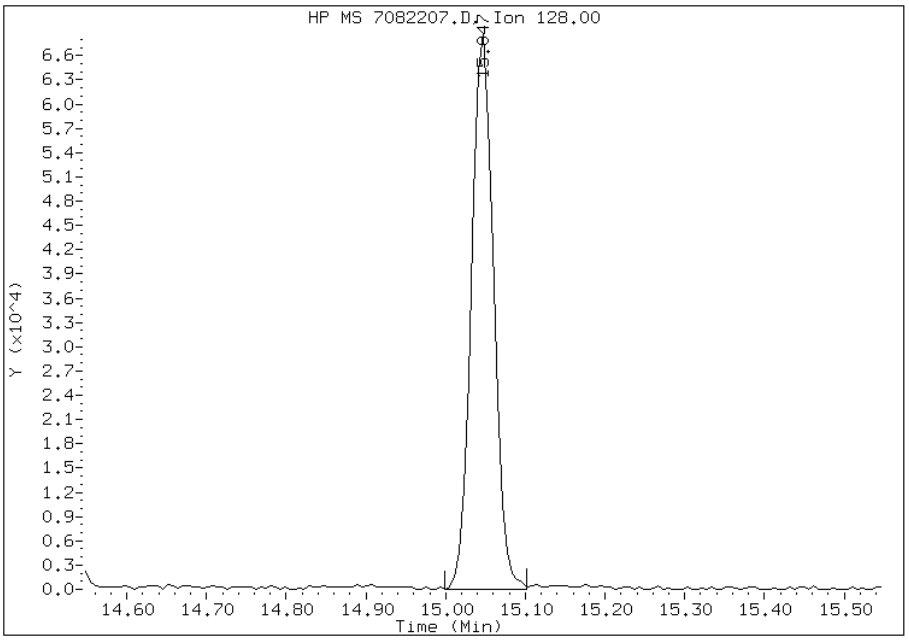
Processing Integration Results

RT: 15.05

Response: 134868

Amount: 120

Conc: 120



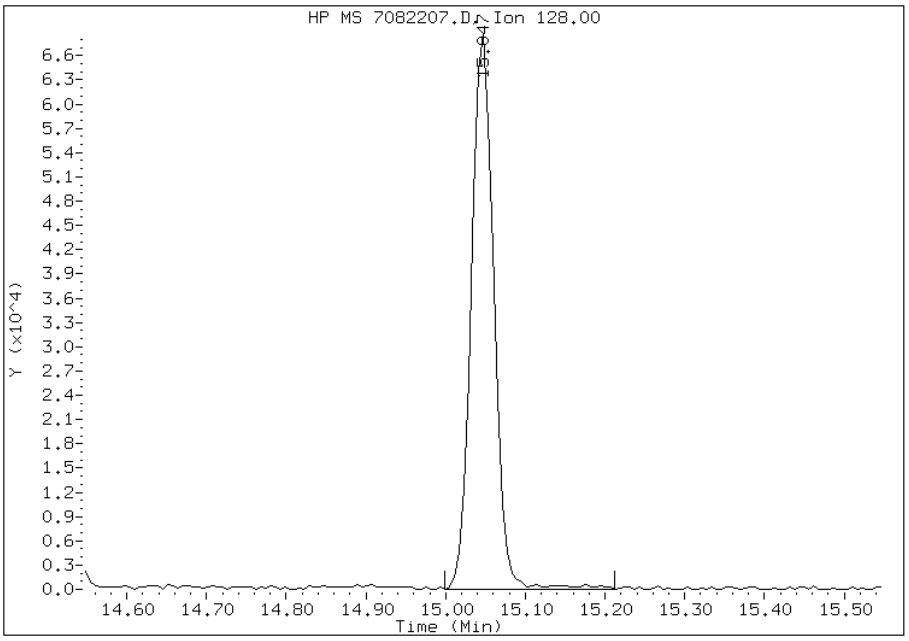
Manual Integration Results

RT: 15.05

Response: 137285

Amount: 122

Conc: 122



Manually Integrated By: zukowskim
Modification Date: 22-Aug-2012 06:16
Manual Integration Reason: Peak Integrated Incorrectly

TestAmerica Pittsburgh

Data file : \\pitsvr06\D\chem\hp7.i\7081712d.b\7081701.D
Lab Smp Id: BFB Client Smp ID: 31019D
Inj Date : 17-AUG-2012 01:34 MS Autotune Date: 29-DEC-2009 18:31
Operator : 430936 Inst ID: hp7.i
Smp Info : BFB
Misc Info : 7081712d.b,TBFBdod.m,all.sub
Comment :
Method : \\pitsvr06\D\chem\hp7.i\7081712d.b\TBFBdod.m
Meth Date : 25-Sep-2011 10:41 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER

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

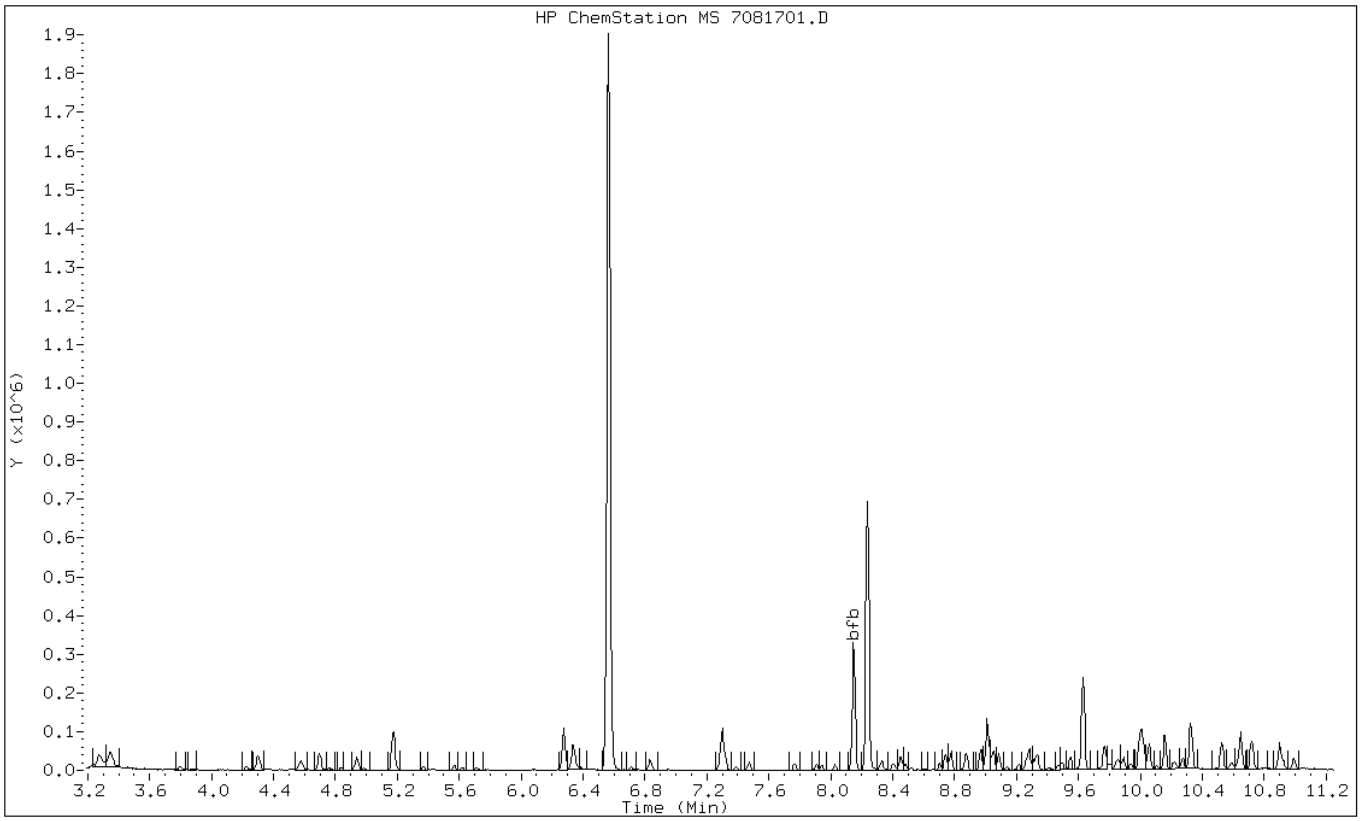
RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
8.145	8.150	-0.005	95	73584			100.00- 100.00	100.00
8.145	8.150	-0.005	50	11266			15.00- 40.00	15.31
8.145	8.150	-0.005	75	35944			30.00- 60.00	48.85
8.145	8.150	-0.005	96	4874			5.00- 9.00	6.62
8.145	8.150	-0.005	173	0	0.0	0.0	0.00- 2.00	0.00
8.145	8.150	-0.005	174	58432			50.00- 100.00	79.41
8.145	8.150	-0.005	175	4171			5.00- 9.00	7.14
8.145	8.150	-0.005	176	57480			95.00- 101.00	98.37
8.145	8.150	-0.005	177	3548			5.00- 9.00	6.17

Data File: 7081701.D

Date: 17-AUG-2012 01:34

Client ID: 31019D | Instrument: hp7.i

Sample Info: BFB | Operator: 430936



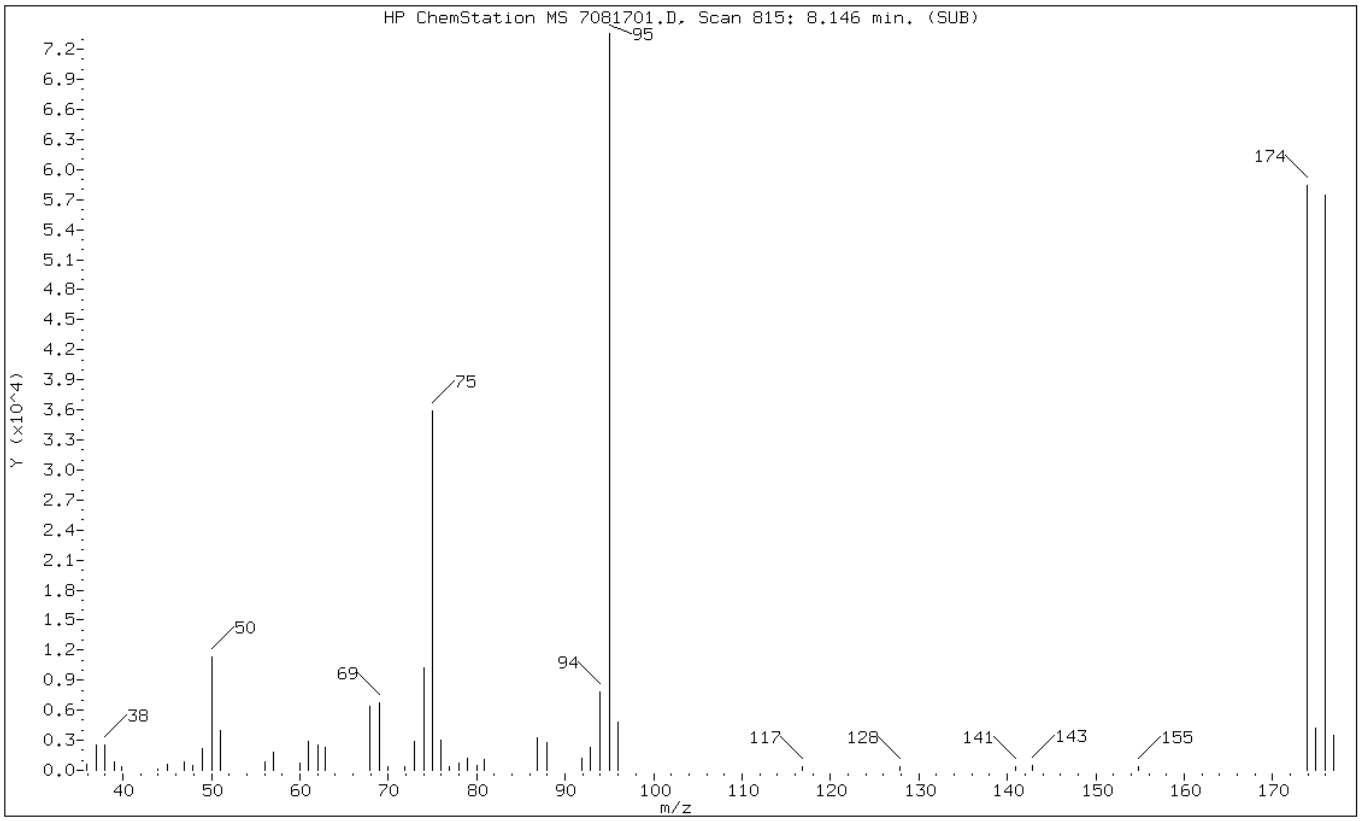
Data File: 7081701.D

Date: 17-AUG-2012 01:34

Client ID: 31019D Instrument: hp7.i

Sample Info: BFB Operator: 430936

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	15.31
75	30.00 - 60.00% of mass 95	48.85
96	5.00 - 9.00% of mass 95	6.62
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	79.41
175	5.00 - 9.00% of mass 174	5.67 (7.14)
176	95.00 - 101.00% of mass 174	78.11 (98.37)
177	5.00 - 9.00% of mass 176	4.82 (6.17)

Data File: 7081701.D

Date: 17-AUG-2012 01:34

Client ID: 31019D Instrument: hp7.i

Sample Info: BFB Operator: 430936

Data File: \\pitsvr06\D\chem\hp7.i\7081712dH20.b\7081701.D
Spectrum: HP ChemStation MS 7081701.D, Scan 815: 8.146 min. (SUB)
Location of Maximum: 95.00
Number of points: 47

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.90	562	56.00	875	75.00	35944	95.00	73584
37.00	2478	57.00	1753	75.90	3070	96.00	4874
38.00	2583	60.00	704	76.90	415	116.80	322
39.00	817	61.00	2907	78.00	703	127.90	317
39.80	308	62.00	2585	78.90	1177	140.90	415
44.00	80	62.90	2290	80.00	424	142.80	432
45.00	611	67.90	6400	80.90	1025	154.80	314
47.00	818	69.00	6709	86.90	3285	173.90	58432
47.90	505	70.00	406	87.90	2814	174.90	4171
49.00	2223	71.90	365	91.90	1154	175.90	57480
50.00	11266	72.90	2887	92.90	2264	176.90	3548
51.00	3993	74.00	10237	94.00	7875		

TestAmerica Pittsburgh

Data file : \\pitsvr06\D\chem\hp7.i\7082212d.b\7082206.D
Lab Smp Id: BFB Client Smp ID: 31019D
Inj Date : 22-AUG-2012 03:46 MS Autotune Date: 29-DEC-2009 18:31
Operator : 430936 Inst ID: hp7.i
Smp Info : BFB
Misc Info : 7082212d.b,TBFB.m,all.sub
Comment :
Method : \\pitsvr06\D\chem\hp7.i\7082212d.b\TBFB.m
Meth Date : 09-Dec-2011 09:47 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER

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		
8.148	8.150	-0.002	95	50648			100.00- 100.00	100.00
8.148	8.150	-0.002	50	11030			15.00- 40.00	21.78
8.148	8.150	-0.002	75	26416			30.00- 60.00	52.16
8.148	8.150	-0.002	96	3722			5.00- 9.00	7.35
8.148	8.150	-0.002	173	354			0.00- 2.00	0.82
8.148	8.150	-0.002	174	43376			50.00- 100.00	85.64
8.148	8.150	-0.002	175	3352			5.00- 9.00	7.73
8.148	8.150	-0.002	176	41856			95.00- 101.00	96.50
8.148	8.150	-0.002	177	2585			5.00- 9.00	6.18

Data File: 7082206.D

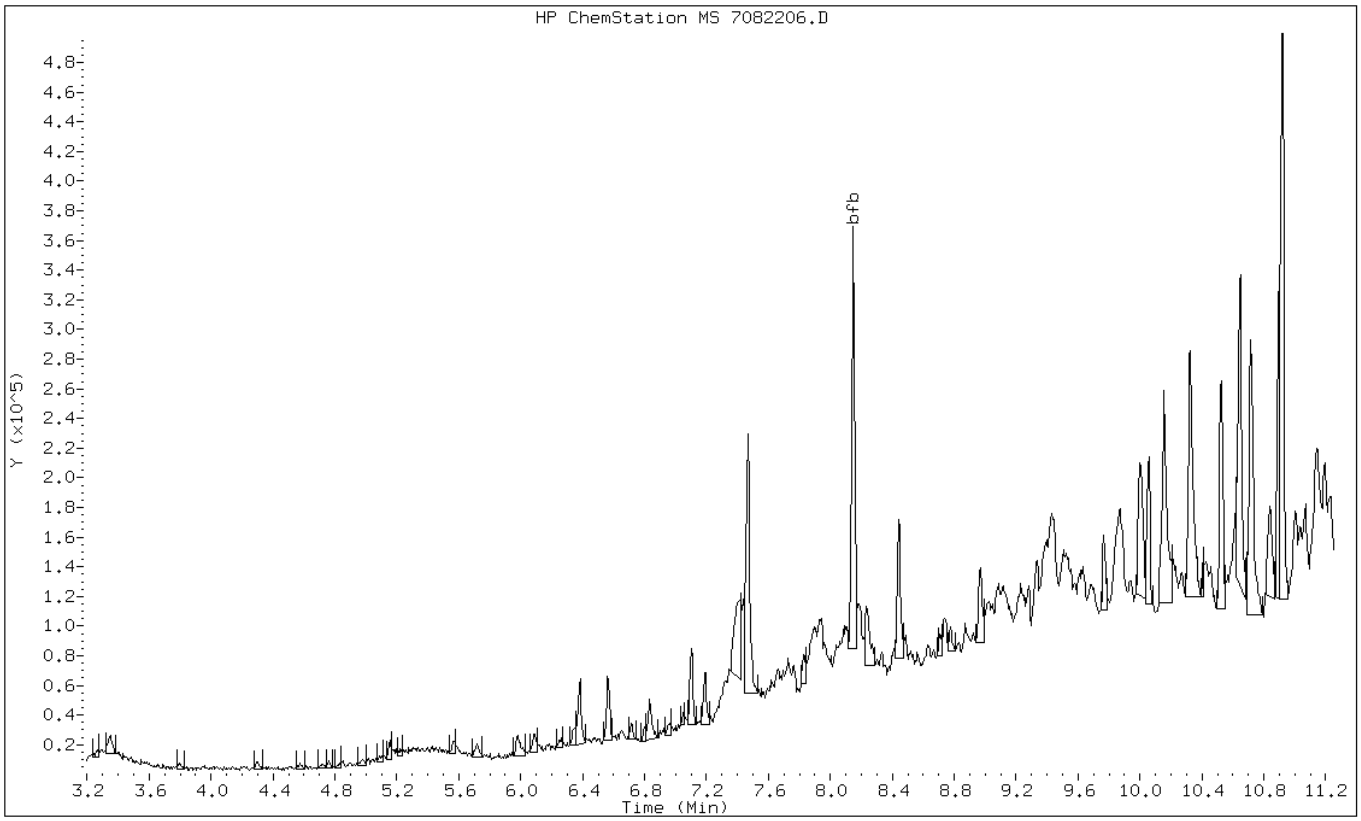
Date: 22-AUG-2012 03:46

Client ID: 31019D

Instrument: hp7.i

Sample Info: BFB

Operator: 430936



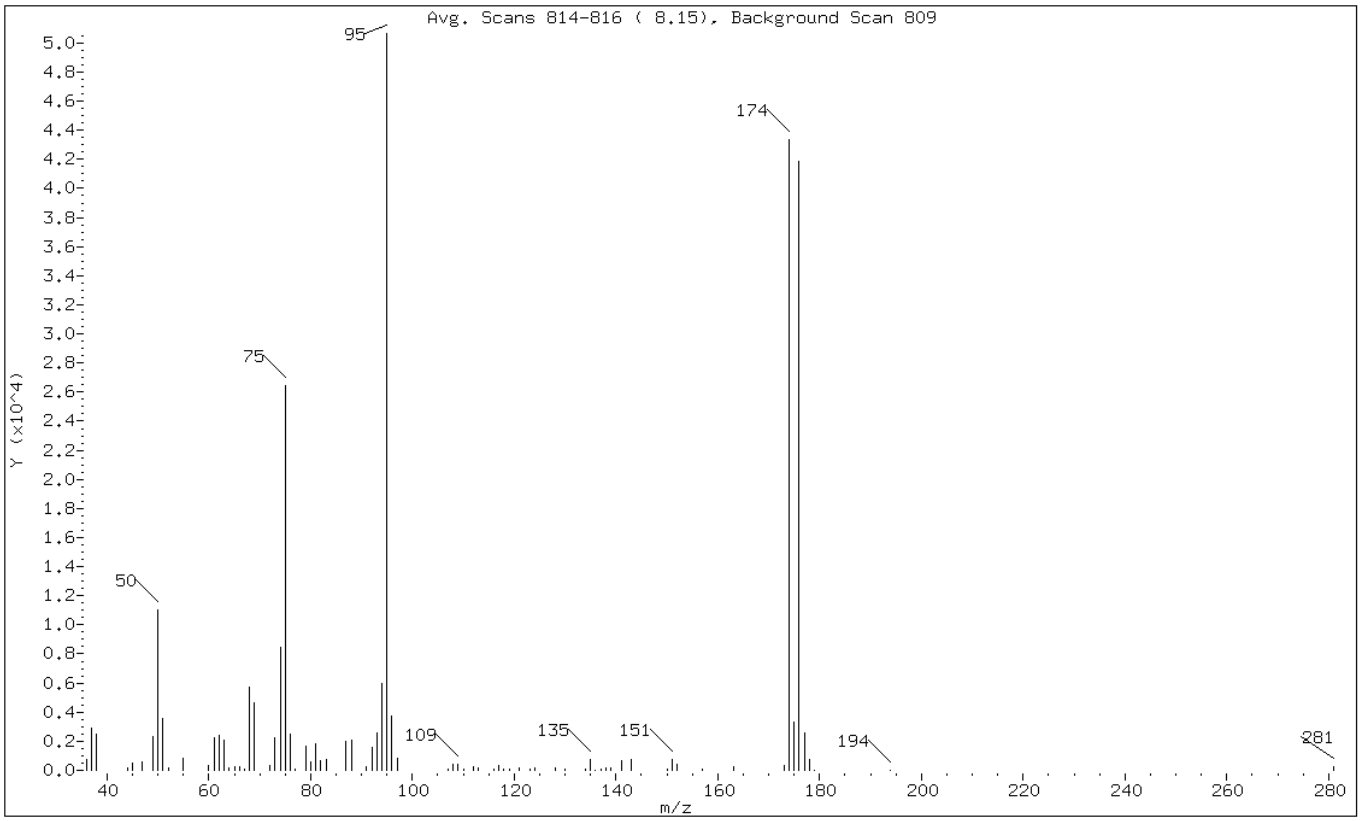
Data File: 7082206.D

Date: 22-AUG-2012 03:46

Client ID: 31019D Instrument: hp7.i

Sample Info: BFB Operator: 430936

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	21.78
75	30.00 - 60.00% of mass 95	52.16
96	5.00 - 9.00% of mass 95	7.35
173	Less than 2.00% of mass 174	0.70 (0.82)
174	50.00 - 100.00% of mass 95	85.64
175	5.00 - 9.00% of mass 174	6.62 (7.73)
176	95.00 - 101.00% of mass 174	82.64 (96.50)
177	5.00 - 9.00% of mass 176	5.10 (6.18)

Data File: 7082206.D

Date: 22-AUG-2012 03:46

Client ID: 31019D Instrument: hp7.i

Sample Info: BFB Operator: 430936

Data File: \\pitsvr06\D\chem\hp7.i\7082212d.b\7082206.D
Spectrum: Avg. Scans 814-816 (8.15), Background Scan 809
Location of Maximum: 95.00
Number of points: 78

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	730	69.00	4643	97.00	809	138.00	155
37.00	2915	72.00	353	107.00	108	139.00	135
38.00	2500	73.00	2257	108.00	385	141.00	669
44.00	199	74.00	8441	109.00	411	143.00	731
45.00	519	75.00	26416	110.00	64	150.00	79
47.00	607	76.00	2488	112.00	258	151.00	763
49.00	2313	77.00	103	113.00	193	152.00	375
50.00	11030	79.00	1691	116.00	116	157.00	124
51.00	3587	80.00	542	117.00	358	163.00	254
52.00	150	81.00	1837	118.00	110	173.00	354
55.00	790	82.00	637	119.00	51	174.00	43376
60.00	369	83.00	744	121.00	156	175.00	3352
61.00	2250	87.00	1992	123.00	73	176.00	41856
62.00	2378	88.00	2075	124.00	177	177.00	2585
63.00	2109	91.00	287	128.00	142	178.00	729
64.00	130	92.00	1587	130.00	113	179.00	13
65.00	254	93.00	2575	134.00	111	194.00	39
66.00	275	94.00	5973	135.00	729	281.00	271
67.00	80	95.00	50648	136.00	1		
68.00	5697	96.00	3722	137.00	59		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID:
Lab Sample ID: LB 180-45830/6-A
Matrix: Water (TCLP)
Lab File ID: 7082210.D
Analysis Method: 8260B
Date Collected:
Sample wt/vol: 5(mL)
Date Analyzed: 08/22/2012 07:21
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.: 45860
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	ND		0.0050	0.0011
107-06-2	1,2-Dichloroethane	ND		0.0050	0.00096
78-93-3	2-Butanone (MEK)	ND		0.0050	0.0011
71-43-2	Benzene	ND		0.0050	0.00099
56-23-5	Carbon tetrachloride	ND		0.0050	0.0011
108-90-7	Chlorobenzene	ND		0.0050	0.00053
67-66-3	Chloroform	ND		0.0050	0.0010
127-18-4	Tetrachloroethene	ND		0.0050	0.00082
79-01-6	Trichloroethene	ND		0.0050	0.00080
75-01-4	Vinyl chloride	ND		0.0050	0.0013

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	84		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	116		64-124
460-00-4	4-Bromofluorobenzene (Surr)	87		75-120
1868-53-7	Dibromofluoromethane (Surr)	101		80-120

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\D\chem\hp7.i\7082212d.b\7082210.D
Lab Smp Id: LB 180-45830/6-A
Inj Date : 22-AUG-2012 07:21 MS Autotune Date: 29-DEC-2009 18:31
Operator : 430936 Inst ID: hp7.i
Smp Info : LB 180-45830/6-A, x10
Misc Info : 7082212d.b,T8260bh2o.m,1-dwh2o.sub
Comment :
Method : \\pitsvr06\D\chem\hp7.i\7082212d.b\T8260bh2o.m
Meth Date : 22-Aug-2012 07:44 hp7.i Quant Type: ISTD
Cal Date : 17-AUG-2012 05:18 Cal File: 7081708.D
Als bottle: 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	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 49 Fluorobenzene (IS)	96	7.366	7.357	(1.000)	1002309	250.000	
* 77 Chlorobenzene-d5	119	10.450	10.454	(1.000)	289524	250.000	
* 100 1,4-Dichlorobenzene-d4	152	12.780	12.778	(1.000)	402219	250.000	
$ 40 Dibromofluoromethane (Surr)	113	6.618	6.609	(0.898)	246603	253.188	253.2
$ 46 1,2-Dichloroethane-d4	65	6.989	6.986	(0.949)	259099	289.342	289.3
$ 67 Toluene-d8	98	9.015	9.012	(0.863)	930682	211.193	211.2
$ 86 Bromofluorobenzene (Surr)	95	11.625	11.622	(1.112)	405532	218.385	218.4
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
5 Bromomethane	94	Compound Not Detected.					
7 Chloroethane	64	Compound Not Detected.					
8 Trichlorofluoromethane	101	Compound Not Detected.					
13 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.					
14 Acetone	43	Compound Not Detected.					
20 Methylene Chloride	84	Compound Not Detected.					
24 trans-1,2-Dichloroethene	96	Compound Not Detected.					
25 Methyl tert-butyl ether	73	Compound Not Detected.					
28 1,1-Dichloroethane	63	Compound Not Detected.					
32 2,2-Dichloropropane	77	Compound Not Detected.					
33 cis-1,2-dichloroethene	96	Compound Not Detected.					
M 116 1,2-Dichloroethene (total)	96	Compound Not Detected.					
36 Bromochloromethane	128	Compound Not Detected.					
34 2-Butanone	43	Compound Not Detected.					
38 Chloroform	83	Compound Not Detected.					
41 1,1,1-Trichloroethane	97	Compound Not Detected.					

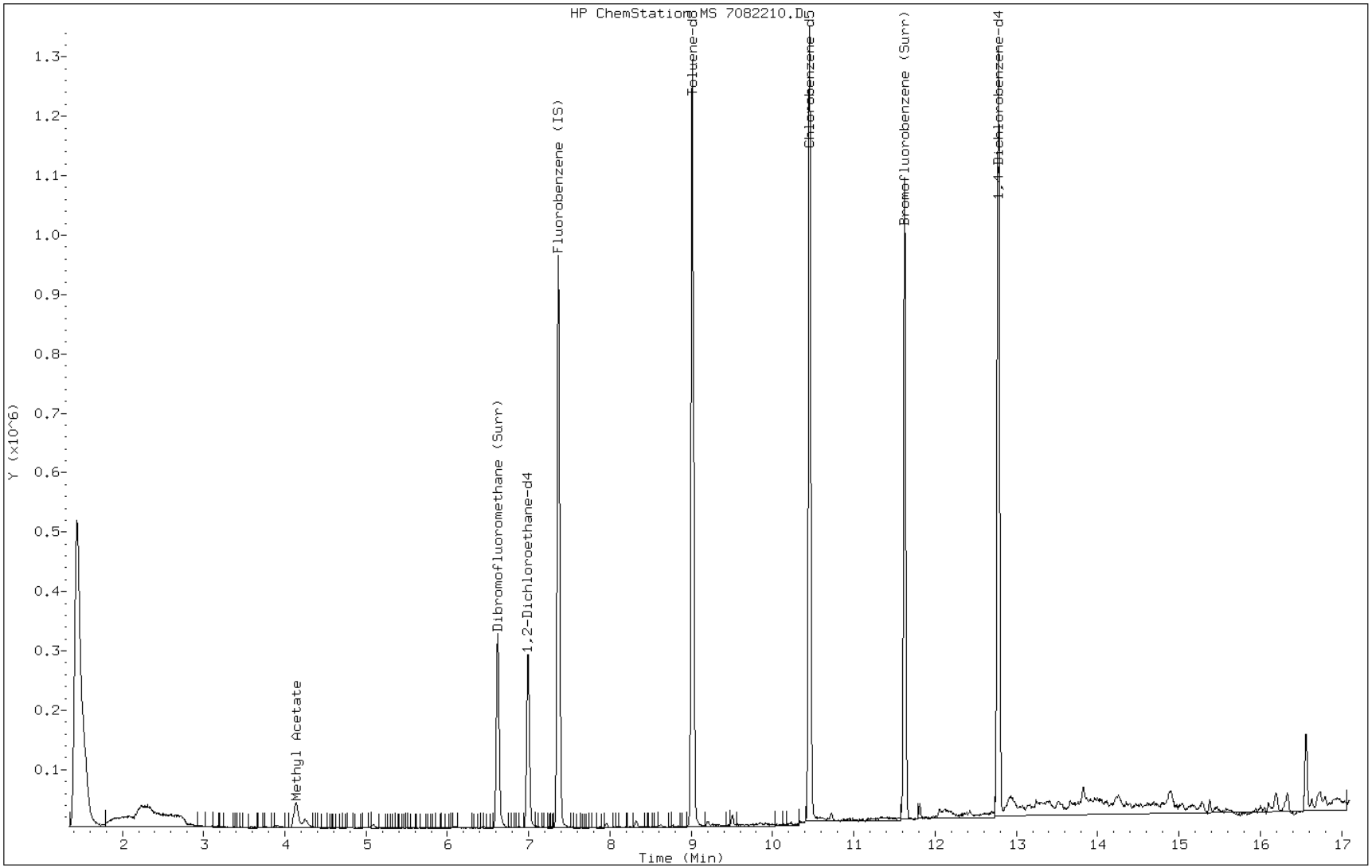
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
44 1,1-Dichloropropene	75	Compound Not Detected.					
45 Carbon Tetrachloride	117	Compound Not Detected.					
47 Benzene	78	Compound Not Detected.					
48 1,2-Dichloroethane	62	Compound Not Detected.					
54 Trichloroethene	130	Compound Not Detected.					
56 1,2-Dichloropropane	63	Compound Not Detected.					
57 Dibromomethane	93	Compound Not Detected.					
60 Bromodichloromethane	83	Compound Not Detected.					
63 cis-1,3-Dichloropropene	75	Compound Not Detected.					
65 4-Methyl-2-Pentanone	43	Compound Not Detected.					
68 Toluene	91	Compound Not Detected.					
69 trans-1,3-Dichloropropene	75	Compound Not Detected.					
72 1,3-Dichloropropane	76	Compound Not Detected.					
70 1,1,2-Trichloroethane	97	Compound Not Detected.					
71 Tetrachloroethene	164	Compound Not Detected.					
74 2-Hexanone	43	Compound Not Detected.					
75 Dibromochloromethane	129	Compound Not Detected.					
76 1,2-Dibromoethane	107	Compound Not Detected.					
78 Chlorobenzene	112	Compound Not Detected.					
79 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
80 Ethylbenzene	106	Compound Not Detected.					
81 m + p-Xylene	106	Compound Not Detected.					
82 Xylene-o	106	Compound Not Detected.					
83 Styrene	104	Compound Not Detected.					
84 Bromoform	173	Compound Not Detected.					
85 Isopropylbenzene	105	Compound Not Detected.					
88 Bromobenzene	156	Compound Not Detected.					
90 n-Propylbenzene	120	Compound Not Detected.					
91 2-Chlorotoluene	126	Compound Not Detected.					
87 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
89 1,2,3-Trichloropropane	110	Compound Not Detected.					
93 4-Chlorotoluene	126	Compound Not Detected.					
92 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
95 tert-Butylbenzene	119	Compound Not Detected.					
96 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
97 sec-Butylbenzene	105	Compound Not Detected.					
99 4-Isopropyltoluene	119	Compound Not Detected.					
98 1,3-Dichlorobenzene	146	Compound Not Detected.					
103 n-Butylbenzene	91	Compound Not Detected.					
101 1,4-Dichlorobenzene	146	Compound Not Detected.					
104 1,2-Dichlorobenzene	146	Compound Not Detected.					
106 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
108 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
109 Hexachlorobutadiene	225	Compound Not Detected.					
110 Naphthalene	128	Compound Not Detected.					
111 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
18 Methyl Acetate	43	4.124	4.139	(0.560)	109741	181.250	181.2
42 Cyclohexane	56	Compound Not Detected.					
55 Methyl Cyclohexane	83	Compound Not Detected.					
107 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
M 117 Xylenes (total)	106	Compound Not Detected.					

Data File: 7082210.D

Date: 22-AUG-2012 07:21

Client ID: Instrument: hp7.i

Sample Info: LB 180-45830/6-A, x10 Operator: 430936



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 180-45860/9
Matrix: Water
Lab File ID: 7082215.D
Analysis Method: 8260B
Date Collected:
Sample wt/vol: 5(mL)
Date Analyzed: 08/22/2012 10:07
Soil Aliquot Vol:
Dilution Factor: 10
Soil Extract Vol.:
GC Column: DB-624 ID: 0.18(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 45860
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	0.386		0.050	0.011
107-06-2	1,2-Dichloroethane	0.496		0.050	0.0096
78-93-3	2-Butanone (MEK)	0.441		0.050	0.011
71-43-2	Benzene	0.400		0.050	0.0099
56-23-5	Carbon tetrachloride	0.490		0.050	0.011
108-90-7	Chlorobenzene	0.420		0.050	0.0053
67-66-3	Chloroform	0.440		0.050	0.010
127-18-4	Tetrachloroethene	0.412		0.050	0.0082
79-01-6	Trichloroethene	0.447		0.050	0.0080
75-01-4	Vinyl chloride	0.312		0.050	0.013

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	94		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	118		64-124
460-00-4	4-Bromofluorobenzene (Surr)	97		75-120
1868-53-7	Dibromofluoromethane (Surr)	107		80-120

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\PITSVR06\D\chem\hp7.i\7082212d.b\7082215.D
Lab Smp Id: lcs
Inj Date : 22-AUG-2012 10:07 MS Autotune Date: 29-DEC-2009 18:31
Operator : 034635 Inst ID: hp7.i
Smp Info : lcs, 10x
Misc Info : 7082212d.b,T8260bh2o.m,1-dwh2o.sub
Comment :
Method : \\PITSVR06\D\chem\hp7.i\7082212d.b\T8260bh2o.m
Meth Date : 22-Aug-2012 08:50 journetp Quant Type: ISTD
Cal Date : 17-AUG-2012 05:18 Cal File: 7081708.D
Als bottle: 2
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: 1-dwh2o.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	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 49 Fluorobenzene (IS)	96	7.361	7.357	(1.000)	1087323	250.000	
* 77 Chlorobenzene-d5	119	10.452	10.454	(1.000)	273592	250.000	
* 100 1,4-Dichlorobenzene-d4	152	12.782	12.778	(1.000)	400246	250.000	
$ 40 Dibromofluoromethane (Surr)	113	6.613	6.609	(0.898)	282165	267.049	267.0
$ 46 1,2-Dichloroethane-d4	65	6.984	6.986	(0.949)	286657	295.088	295.1
$ 67 Toluene-d8	98	9.010	9.012	(0.862)	978602	234.998	235.0
$ 86 Bromofluorobenzene (Surr)	95	11.626	11.622	(1.112)	424699	242.025	242.0
1 Dichlorodifluoromethane	85	1.649	1.639	(0.224)	223908	111.100	1111
2 Chloromethane	50	1.801	1.803	(0.245)	370980	146.196	1462
3 Vinyl Chloride	62	1.935	1.937	(0.263)	404899	156.078	1561
5 Bromomethane	94	2.282	2.277	(0.310)	150585	177.646	1776
7 Chloroethane	64	2.385	2.387	(0.324)	102411	205.429	2054
8 Trichlorofluoromethane	101	2.720	2.697	(0.369)	460216	252.396	2524(Q)
13 1,1,2-trichloro-1,2,2-trifluor	101	3.474	3.458	(0.472)	305595	204.121	2041
12 1,1-Dichloroethene	96	3.431	3.415	(0.466)	295766	193.145	1931
15 Carbon Disulfide	76	3.717	3.707	(0.505)	929059	193.163	1932
14 Acetone	43	3.602	3.610	(0.489)	60530	240.515	2405
20 Methylene Chloride	84	4.228	4.224	(0.574)	334239	187.384	1874
24 trans-1,2-Dichloroethene	96	4.648	4.644	(0.631)	327214	205.973	2060
25 Methyl tert-butyl ether	73	4.709	4.705	(0.640)	665606	203.432	2034
28 1,1-Dichloroethane	63	5.262	5.258	(0.715)	584686	220.709	2207
32 2,2-Dichloropropane	77	6.017	6.013	(0.817)	455048	246.130	2461
33 cis-1,2-dichloroethene	96	6.029	6.019	(0.819)	317956	202.802	2028
M 116 1,2-Dichloroethene (total)	96				645170	408.775	4088
36 Bromochloromethane	128	6.315	6.311	(0.858)	137046	222.820	2228
34 2-Butanone	43	6.084	6.092	(0.826)	62686	220.715	2207
38 Chloroform	83	6.430	6.426	(0.874)	490763	219.970	2200
41 1,1,1-Trichloroethane	97	6.619	6.621	(0.899)	468701	232.979	2330
44 1,1-Dichloropropene	75	6.814	6.810	(0.926)	344804	201.292	2013

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
45 Carbon Tetrachloride	117	6.808	6.810	(0.925)	381827	245.200	2452
47 Benzene	78	7.045	7.041	(0.957)	966554	199.893	1999
48 1,2-Dichloroethane	62	7.069	7.071	(0.960)	273211	247.867	2479
54 Trichloroethene	130	7.757	7.753	(1.054)	275629	223.382	2234
56 1,2-Dichloropropane	63	7.988	7.990	(1.085)	225650	209.646	2096
57 Dibromomethane	93	8.109	8.112	(1.102)	125380	220.244	2202
60 Bromodichloromethane	83	8.286	8.282	(1.126)	299961	242.137	2421
63 cis-1,3-Dichloropropene	75	8.742	8.738	(1.188)	348165	236.637	2366
65 4-Methyl-2-Pentanone	43	8.906	8.908	(0.852)	146462	220.504	2205(Q)
68 Toluene	91	9.077	9.079	(0.868)	941690	199.424	1994
69 trans-1,3-Dichloropropene	75	9.302	9.304	(0.890)	290277	225.176	2252
72 1,3-Dichloropropane	76	9.655	9.651	(0.924)	263032	198.788	1988
70 1,1,2-Trichloroethane	97	9.484	9.486	(0.907)	165884	196.690	1967
71 Tetrachloroethene	164	9.630	9.626	(0.921)	222844	206.135	2061
74 2-Hexanone	43	9.740	9.742	(0.932)	109280	279.299	2793
75 Dibromochloromethane	129	9.880	9.882	(0.945)	193171	241.322	2413
76 1,2-Dibromoethane	107	9.995	9.991	(0.956)	174506	205.460	2054
78 Chlorobenzene	112	10.482	10.484	(1.003)	610380	210.167	2102
79 1,1,1,2-Tetrachloroethane	131	10.561	10.563	(1.010)	232299	212.091	2121(Q)
80 Ethylbenzene	106	10.592	10.594	(1.013)	358902	212.314	2123
81 m + p-Xylene	106	10.707	10.709	(1.024)	856657	423.311	4233
82 Xylene-o	106	11.103	11.105	(1.062)	492268	204.398	2044
83 Styrene	104	11.115	11.117	(1.063)	711204	209.879	2099
84 Bromoform	173	11.303	11.305	(1.081)	112130	226.738	2267
85 Isopropylbenzene	105	11.468	11.470	(1.097)	1191055	195.678	1957
88 Bromobenzene	156	11.778	11.780	(0.921)	305095	227.347	2273
90 n-Propylbenzene	120	11.881	11.883	(0.930)	360949	225.544	2255
91 2-Chlorotoluene	126	11.966	11.968	(0.936)	305842	220.307	2203
87 1,1,2,2-Tetrachloroethane	83	11.766	11.762	(0.921)	186262	187.611	1876
89 1,2,3-Trichloropropane	110	11.808	11.810	(0.924)	54370	208.250	2082(Q)
93 4-Chlorotoluene	126	12.076	12.078	(0.945)	289409	226.011	2260
92 1,3,5-Trimethylbenzene	105	12.052	12.054	(0.943)	974462	205.269	2053
95 tert-Butylbenzene	119	12.380	12.382	(0.969)	897360	197.585	1976
96 1,2,4-Trimethylbenzene	105	12.429	12.431	(0.972)	1020491	208.802	2088
97 sec-Butylbenzene	105	12.599	12.601	(0.986)	1322297	203.916	2039
99 4-Isopropyltoluene	119	12.745	12.741	(0.997)	1077221	206.222	2062
98 1,3-Dichlorobenzene	146	12.715	12.717	(0.995)	561814	211.723	2117
103 n-Butylbenzene	91	13.153	13.155	(1.029)	1083634	207.884	2079
101 1,4-Dichlorobenzene	146	12.806	12.802	(1.002)	505002	206.548	2065
104 1,2-Dichlorobenzene	146	13.177	13.179	(1.031)	451605	196.965	1970
106 1,2-Dibromo-3-chloropropane	157	13.962	13.958	(1.092)	25161	188.351	1884
108 1,2,4-Trichlorobenzene	180	14.795	14.797	(1.158)	246573	256.510	2565
109 Hexachlorobutadiene	225	14.966	14.968	(1.171)	171087	209.674	2097
110 Naphthalene	128	15.045	15.047	(1.177)	391339	323.244	3232
111 1,2,3-Trichlorobenzene	180	15.294	15.296	(1.197)	201379	345.133	3451
18 Methyl Acetate	43	4.131	4.139	(0.561)	128525	195.677	1957
42 Cyclohexane	56	6.674	6.676	(0.907)	543207	189.174	1892
55 Methyl Cyclohexane	83	7.951	7.953	(1.080)	564544	192.845	1928
107 1,3,5-Trichlorobenzene	180	14.175	14.177	(1.109)	309178	189.787	1898
M 117 Xylenes (total)	106				1348925	627.708	6277

QC Flag Legend

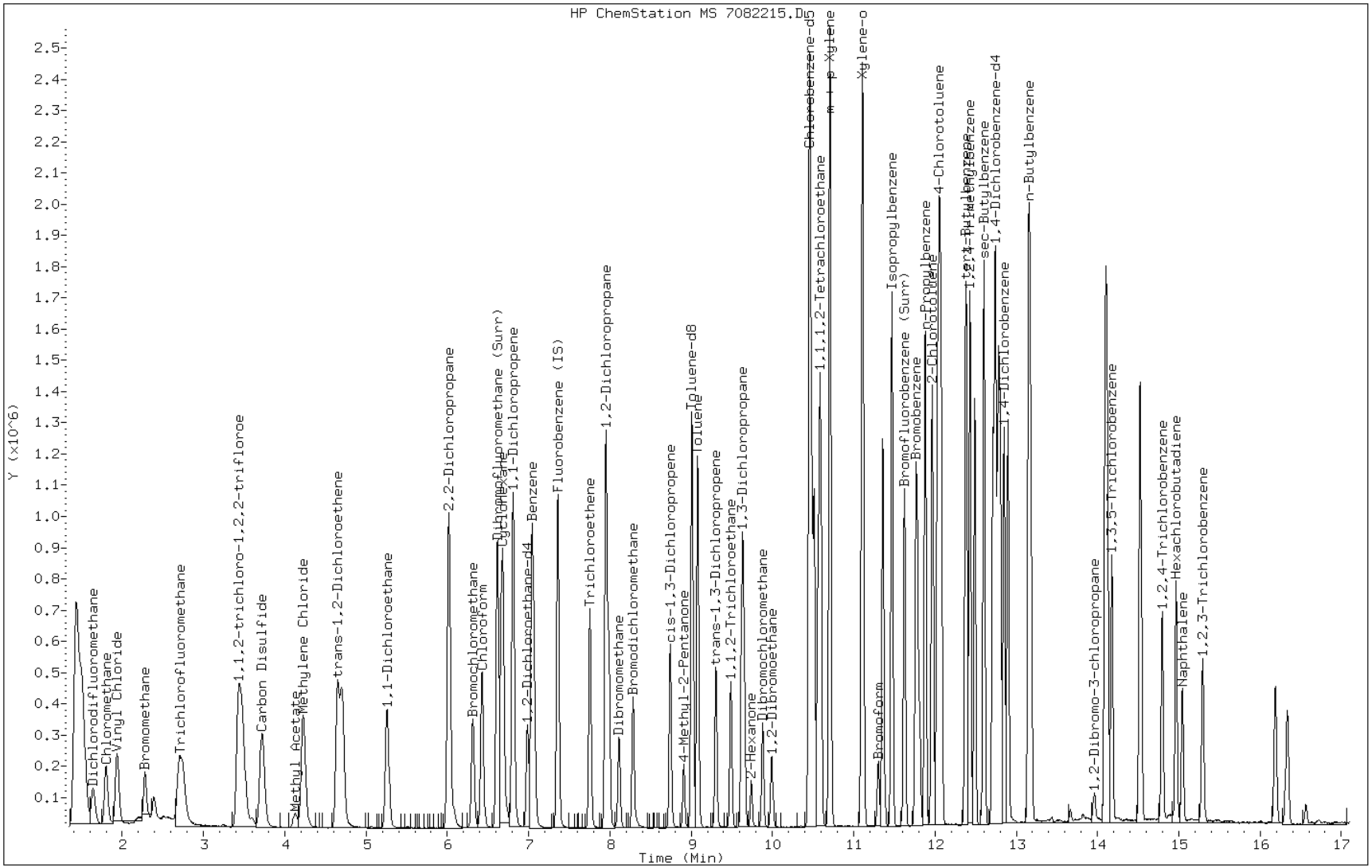
Q - Qualifier signal failed the ratio test.

Data File: 7082215.D

Date: 22-AUG-2012 10:07

Client ID: Instrument: hp7.i

Sample Info: lcs, 10x Operator: 034635



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID:
Lab Sample ID: 180-13635-D-1-C MS
Matrix: Water (TCLP)
Lab File ID: 7082212.D
Analysis Method: 8260B
Date Collected:
Sample wt/vol: 5(mL)
Date Analyzed: 08/22/2012 08:17
Soil Aliquot Vol:
Dilution Factor: 40
Soil Extract Vol.:
GC Column: DB-624 ID: 0.18(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 45860
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	1.49		0.20	0.043
107-06-2	1,2-Dichloroethane	1.93		0.20	0.038
78-93-3	2-Butanone (MEK)	1.85		0.20	0.043
71-43-2	Benzene	1.56		0.20	0.040
56-23-5	Carbon tetrachloride	1.90		0.20	0.043
108-90-7	Chlorobenzene	1.65		0.20	0.021
67-66-3	Chloroform	1.70		0.20	0.040
127-18-4	Tetrachloroethene	1.66		0.20	0.033
79-01-6	Trichloroethene	2.36		0.20	0.032
75-01-4	Vinyl chloride	1.21		0.20	0.052

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	90		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		64-124
460-00-4	4-Bromofluorobenzene (Surr)	87		75-120
1868-53-7	Dibromofluoromethane (Surr)	92		80-120

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\PITSVR06\D\chem\hp7.i\7082212d.b\7082212.D
Lab Smp Id: 180-13635-D-1-C MS
Inj Date : 22-AUG-2012 08:17 MS Autotune Date: 29-DEC-2009 18:31
Operator : 430936 Inst ID: hp7.i
Smp Info : 180-13635-D-1-C MS, 40x
Misc Info : 7082212d.b,T8260bh2o.m,1-dwh2o.sub
Comment :
Method : \\PITSVR06\D\chem\hp7.i\7082212d.b\T8260bh2o.m
Meth Date : 22-Aug-2012 07:44 hp7.i Quant Type: ISTD
Cal Date : 17-AUG-2012 05:18 Cal File: 7081708.D
Als bottle: 1
Dil Factor: 40.00000
Integrator: HP RTE Compound Sublist: 1-dwh2o.sub
Target Version: 4.14
Processing Host: PITSVR06

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 49 Fluorobenzene (IS)	96	7.359	7.357	(1.000)	1084563	250.000	
* 77 Chlorobenzene-d5	119	10.449	10.454	(1.000)	275137	250.000	
* 100 1,4-Dichlorobenzene-d4	152	12.779	12.778	(1.000)	385148	250.000	
$ 40 Dibromofluoromethane (Surr)	113	6.617	6.609	(0.899)	242109	229.722	229.7
$ 46 1,2-Dichloroethane-d4	65	6.982	6.986	(0.949)	269454	278.085	278.1
$ 67 Toluene-d8	98	9.008	9.012	(0.862)	943689	225.342	225.3
$ 86 Bromofluorobenzene (Surr)	95	11.623	11.622	(1.112)	383366	217.243	217.2
1 Dichlorodifluoromethane	85	1.640	1.639	(0.223)	236030	117.413	4696
2 Chloromethane	50	1.799	1.803	(0.244)	365893	144.558	5782
3 Vinyl Chloride	62	1.932	1.937	(0.263)	390084	150.750	6030
5 Bromomethane	94	2.279	2.277	(0.310)	148140	175.206	7008
7 Chloroethane	64	2.389	2.387	(0.325)	93411	187.852	7514
8 Trichlorofluoromethane	101	2.687	2.697	(0.365)	379175	208.480	8339
13 1,1,2-trichloro-1,2,2-trifluor	101	3.453	3.458	(0.469)	287967	192.836	7713
12 1,1-Dichloroethene	96	3.411	3.415	(0.464)	283640	185.698	7428
15 Carbon Disulfide	76	3.697	3.707	(0.502)	882543	183.959	7358
14 Acetone	43	3.599	3.610	(0.489)	109819	437.474	17500
20 Methylene Chloride	84	4.220	4.224	(0.573)	320089	179.908	7196
24 trans-1,2-Dichloroethene	96	4.640	4.644	(0.630)	314214	198.293	7932
25 Methyl tert-butyl ether	73	4.707	4.705	(0.640)	638966	195.786	7831
28 1,1-Dichloroethane	63	5.254	5.258	(0.714)	554824	209.969	8399
32 2,2-Dichloropropane	77	6.014	6.013	(0.817)	429857	233.096	9324
33 cis-1,2-dichloroethene	96	6.021	6.019	(0.818)	302042	193.142	7726
M 116 1,2-Dichloroethene (total)	96				616256	391.435	15660
36 Bromochloromethane	128	6.306	6.311	(0.857)	125758	204.988	8200
34 2-Butanone	43	6.087	6.092	(0.827)	65366	230.737	9229
38 Chloroform	83	6.428	6.426	(0.874)	473095	212.590	8504
41 1,1,1-Trichloroethane	97	6.617	6.621	(0.899)	452133	225.316	9013

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
44 1,1-Dichloropropene	75	6.805	6.810	(0.925)	334757	195.924	7837
45 Carbon Tetrachloride	117	6.805	6.810	(0.925)	369032	237.586	9503
47 Benzene	78	7.043	7.041	(0.957)	942178	195.347	7814
48 1,2-Dichloroethane	62	7.073	7.071	(0.961)	265242	241.250	9650
54 Trichloroethene	130	7.754	7.753	(1.054)	362815	294.790	11790
56 1,2-Dichloropropane	63	7.986	7.990	(1.085)	226849	211.296	8452
57 Dibromomethane	93	8.107	8.112	(1.102)	122197	215.199	8608
60 Bromodichloromethane	83	8.284	8.282	(1.126)	298192	241.322	9653
63 cis-1,3-Dichloropropene	75	8.740	8.738	(1.188)	348052	237.162	9486
65 4-Methyl-2-Pentanone	43	8.910	8.908	(0.853)	153940	230.461	9218(Q)
68 Toluene	91	9.081	9.079	(0.869)	955334	201.177	8047
69 trans-1,3-Dichloropropene	75	9.306	9.304	(0.891)	286638	221.105	8844
72 1,3-Dichloropropane	76	9.652	9.651	(0.924)	257714	193.675	7747
70 1,1,2-Trichloroethane	97	9.488	9.486	(0.908)	159355	187.888	7516
71 Tetrachloroethene	164	9.628	9.626	(0.921)	225850	207.742	8310
74 2-Hexanone	43	9.738	9.742	(0.932)	117665	299.041	11960
75 Dibromochloromethane	129	9.877	9.882	(0.945)	184899	229.691	9188
76 1,2-Dibromoethane	107	9.993	9.991	(0.956)	166528	194.965	7799
78 Chlorobenzene	112	10.480	10.484	(1.003)	600839	205.720	8229
79 1,1,1,2-Tetrachloroethane	131	10.565	10.563	(1.011)	228246	207.220	8289(Q)
80 Ethylbenzene	106	10.589	10.594	(1.013)	355760	209.273	8371
81 m + p-Xylene	106	10.705	10.709	(1.024)	830754	408.206	16330
82 Xylene-o	106	11.100	11.105	(1.062)	482563	199.243	7970
83 Styrene	104	11.112	11.117	(1.063)	675751	198.297	7932
84 Bromoform	173	11.301	11.305	(1.082)	102539	206.180	8247
85 Isopropylbenzene	105	11.471	11.470	(1.098)	1167695	190.763	7630
88 Bromobenzene	156	11.776	11.780	(0.921)	283917	219.859	8794
90 n-Propylbenzene	120	11.879	11.883	(0.930)	347074	225.376	9015
91 2-Chlorotoluene	126	11.970	11.968	(0.937)	294880	220.738	8830
87 1,1,2,2-Tetrachloroethane	83	11.763	11.762	(0.921)	114940	120.311	4812
89 1,2,3-Trichloropropane	110	11.812	11.810	(0.924)	51452	204.799	8192(Q)
93 4-Chlorotoluene	126	12.074	12.078	(0.945)	256035	207.786	8311(Q)
92 1,3,5-Trimethylbenzene	105	12.055	12.054	(0.943)	936837	205.079	8203
95 tert-Butylbenzene	119	12.384	12.382	(0.969)	890874	203.847	8154
96 1,2,4-Trimethylbenzene	105	12.426	12.431	(0.972)	975846	207.494	8300
97 sec-Butylbenzene	105	12.603	12.601	(0.986)	1277985	204.808	8192
99 4-Isopropyltoluene	119	12.743	12.741	(0.997)	1033187	205.546	8222
98 1,3-Dichlorobenzene	146	12.718	12.717	(0.995)	515133	201.741	8070
103 n-Butylbenzene	91	13.156	13.155	(1.030)	1008022	200.959	8038
101 1,4-Dichlorobenzene	146	12.804	12.802	(1.002)	461447	196.132	7845
104 1,2-Dichlorobenzene	146	13.181	13.179	(1.031)	407032	184.484	7379
106 1,2-Dibromo-3-chloropropane	157	13.960	13.958	(1.092)	21356	166.134	6645
108 1,2,4-Trichlorobenzene	180	14.793	14.797	(1.158)	88411	95.5794	3823
109 Hexachlorobutadiene	225	14.963	14.968	(1.171)	93953	119.657	4786
110 Naphthalene	128	15.048	15.047	(1.178)	98975	84.9576	3398
111 1,2,3-Trichlorobenzene	180	15.298	15.296	(1.197)	31942	56.8897	2276
18 Methyl Acetate	43	4.129	4.139	(0.561)	112433	171.613	6864
42 Cyclohexane	56	6.672	6.676	(0.907)	529113	184.735	7389
55 Methyl Cyclohexane	83	7.949	7.953	(1.080)	549445	188.165	7526
107 1,3,5-Trichlorobenzene	180	14.172	14.177	(1.109)	201067	128.262	5130
M 117 Xylenes (total)	106				1313317	607.449	24300

QC Flag Legend

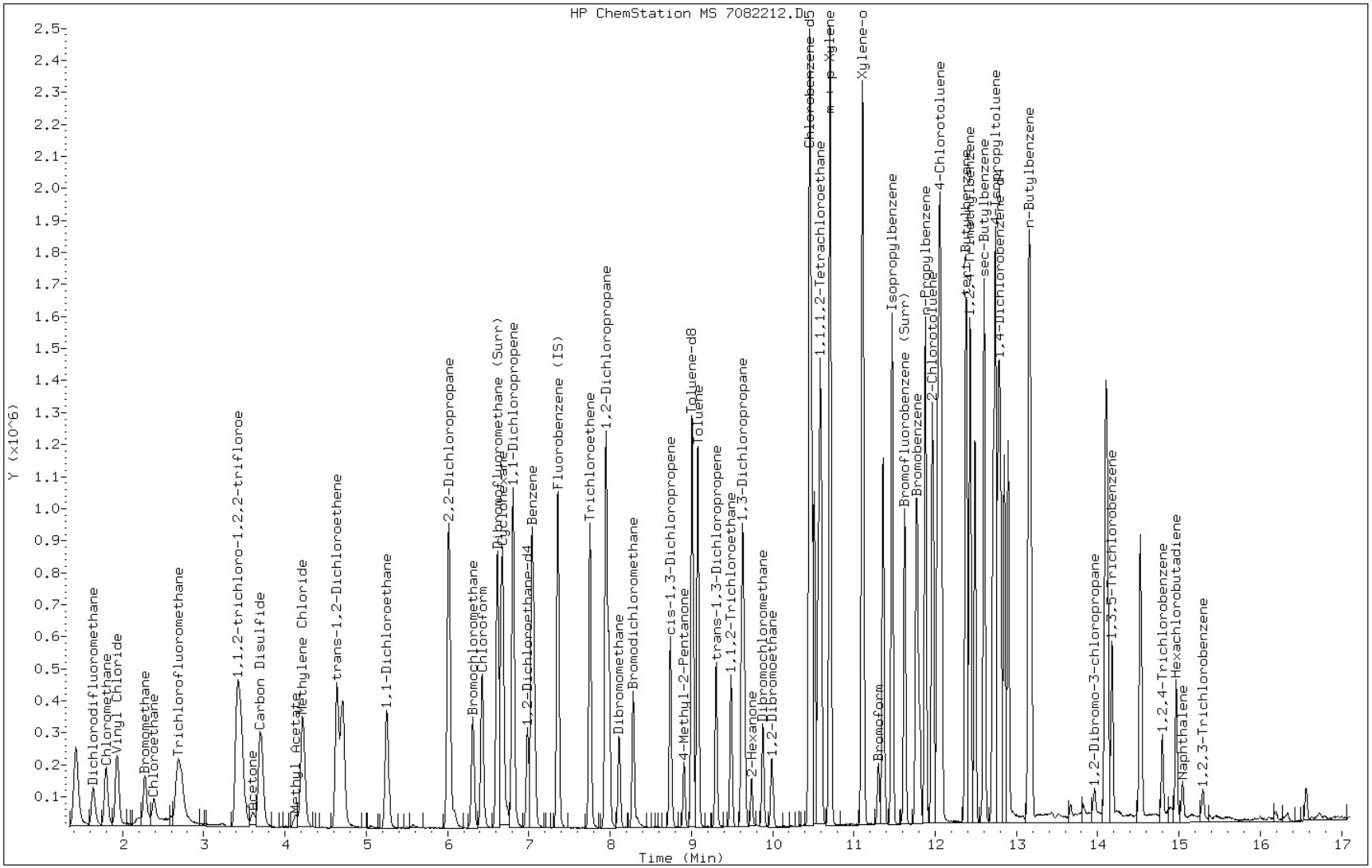
Q - Qualifier signal failed the ratio test.

Data File: 7082212.D

Date: 22-AUG-2012 08:17

Client ID: Instrument: hp7.i

Sample Info: 180-13635-D-1-C MS, 40x Operator: 430936



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID:
Lab Sample ID: 180-13635-D-1-D MSD
Matrix: Water (TCLP)
Lab File ID: 7082216.D
Analysis Method: 8260B
Date Collected:
Sample wt/vol: 5(mL)
Date Analyzed: 08/22/2012 10:32
Soil Aliquot Vol:
Dilution Factor: 40
Soil Extract Vol.:
GC Column: DB-624 ID: 0.18(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 45860
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	1.70		0.20	0.043
107-06-2	1,2-Dichloroethane	2.17		0.20	0.038
78-93-3	2-Butanone (MEK)	2.14		0.20	0.043
71-43-2	Benzene	1.59		0.20	0.040
56-23-5	Carbon tetrachloride	2.10		0.20	0.043
108-90-7	Chlorobenzene	1.65		0.20	0.021
67-66-3	Chloroform	1.84		0.20	0.040
127-18-4	Tetrachloroethene	1.52		0.20	0.033
79-01-6	Trichloroethene	1.73		0.20	0.032
75-01-4	Vinyl chloride	1.44		0.20	0.052

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	86		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	124		64-124
460-00-4	4-Bromofluorobenzene (Surr)	95		75-120
1868-53-7	Dibromofluoromethane (Surr)	110		80-120

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\PITSVR06\D\chem\hp7.i\7082212d.b\7082216.D
Lab Smp Id: 180-13635-D-1-D MSD
Inj Date : 22-AUG-2012 10:32 MS Autotune Date: 29-DEC-2009 18:31
Operator : 034635 Inst ID: hp7.i
Smp Info : 180-13635-D-1-D MSD, 40x
Misc Info : 7082212d.b,T8260bh2o.m,1-dwh2o.sub
Comment :
Method : \\PITSVR06\D\chem\hp7.i\7082212d.b\T8260bh2o.m
Meth Date : 22-Aug-2012 08:50 journetp Quant Type: ISTD
Cal Date : 17-AUG-2012 05:18 Cal File: 7081708.D
Als bottle: 1
Dil Factor: 40.00000
Integrator: HP RTE Compound Sublist: 1-dwh2o.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	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 49 Fluorobenzene (IS)	96	7.360	7.357	(1.000)	901878	250.000	
* 77 Chlorobenzene-d5	119	10.450	10.454	(1.000)	238791	250.000	
* 100 1,4-Dichlorobenzene-d4	152	12.780	12.778	(1.000)	377631	250.000	
$ 40 Dibromofluoromethane (Surr)	113	6.618	6.609	(0.899)	241355	275.394	275.4
$ 46 1,2-Dichloroethane-d4	65	6.989	6.986	(0.950)	250417	310.788	310.8
$ 67 Toluene-d8	98	9.014	9.012	(0.863)	782176	215.203	215.2
$ 86 Bromofluorobenzene (Surr)	95	11.624	11.622	(1.112)	364337	237.885	237.9
1 Dichlorodifluoromethane	85	1.641	1.639	(0.223)	224052	134.031	5361
2 Chloromethane	50	1.799	1.803	(0.245)	347952	165.316	6613
3 Vinyl Chloride	62	1.939	1.937	(0.264)	387769	180.210	7208
5 Bromomethane	94	2.286	2.277	(0.311)	139167	197.934	7917
7 Chloroethane	64	2.389	2.387	(0.325)	93493	226.102	9044
8 Trichlorofluoromethane	101	2.724	2.697	(0.370)	421287	278.555	11140
13 1,1,2-trichloro-1,2,2-trifluor	101	3.485	3.458	(0.473)	286608	230.802	9232
12 1,1-Dichloroethene	96	3.436	3.415	(0.467)	269543	212.214	8488
15 Carbon Disulfide	76	3.722	3.707	(0.506)	833897	209.028	8361
14 Acetone	43	3.606	3.610	(0.490)	62964	301.630	12060
20 Methylene Chloride	84	4.233	4.224	(0.575)	302314	204.336	8173
24 trans-1,2-Dichloroethene	96	4.659	4.644	(0.633)	278724	211.526	8461
25 Methyl tert-butyl ether	73	4.707	4.705	(0.640)	676412	249.243	9970
28 1,1-Dichloroethane	63	5.261	5.258	(0.715)	494416	225.009	9000
32 2,2-Dichloropropane	77	6.021	6.013	(0.818)	400315	261.048	10440
33 cis-1,2-dichloroethene	96	6.027	6.019	(0.819)	274337	210.960	8438
M 116 1,2-Dichloroethene (total)	96				553061	422.486	16900
36 Bromochloromethane	128	6.319	6.311	(0.859)	125885	246.759	9870
34 2-Butanone	43	6.088	6.092	(0.827)	63119	267.937	10720
38 Chloroform	83	6.429	6.426	(0.874)	425718	230.051	9202
41 1,1,1-Trichloroethane	97	6.624	6.621	(0.900)	413589	247.857	9914
44 1,1-Dichloropropene	75	6.818	6.810	(0.926)	285501	200.943	8038

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
45 Carbon Tetrachloride	117	6.812	6.810	(0.926)	338987	262.451	10500
47 Benzene	78	7.049	7.041	(0.958)	798366	199.060	7962
48 1,2-Dichloroethane	62	7.074	7.071	(0.961)	248002	271.260	10850
54 Trichloroethene	130	7.755	7.753	(1.054)	221654	216.576	8663
56 1,2-Dichloropropane	63	7.992	7.990	(1.086)	188535	211.180	8447
57 Dibromomethane	93	8.114	8.112	(1.102)	119211	252.466	10100
60 Bromodichloromethane	83	8.284	8.282	(1.126)	251369	244.635	9785
63 cis-1,3-Dichloropropene	75	8.741	8.738	(1.188)	289905	237.555	9502
65 4-Methyl-2-Pentanone	43	8.911	8.908	(0.853)	151124	260.681	10430(Q)
68 Toluene	91	9.081	9.079	(0.869)	769370	186.677	7467
69 trans-1,3-Dichloropropene	75	9.306	9.304	(0.891)	254171	225.902	9036
72 1,3-Dichloropropane	76	9.653	9.651	(0.924)	242585	210.054	8402
70 1,1,2-Trichloroethane	97	9.489	9.486	(0.908)	148721	202.039	8082
71 Tetrachloroethene	164	9.629	9.626	(0.921)	179669	190.419	7617
74 2-Hexanone	43	9.738	9.742	(0.932)	105713	309.559	12380
75 Dibromochloromethane	129	9.878	9.882	(0.945)	174153	249.271	9971
76 1,2-Dibromoethane	107	9.994	9.991	(0.956)	168605	227.443	9098
78 Chlorobenzene	112	10.481	10.484	(1.003)	522203	206.010	8240
79 1,1,1,2-Tetrachloroethane	131	10.566	10.563	(1.011)	210131	219.811	8792(Q)
80 Ethylbenzene	106	10.590	10.594	(1.013)	302155	204.794	8192
81 m + p-Xylene	106	10.706	10.709	(1.024)	721757	408.629	16340
82 Xylene-o	106	11.101	11.105	(1.062)	427918	203.573	8143
83 Styrene	104	11.113	11.117	(1.063)	619940	209.609	8384
84 Bromoform	173	11.302	11.305	(1.081)	110426	255.835	10230
85 Isopropylbenzene	105	11.472	11.470	(1.098)	1068489	201.125	8045
88 Bromobenzene	156	11.776	11.780	(0.921)	269763	213.057	8522
90 n-Propylbenzene	120	11.880	11.883	(0.930)	313221	207.441	8298
91 2-Chlorotoluene	126	11.971	11.968	(0.937)	274247	209.379	8375
87 1,1,2,2-Tetrachloroethane	83	11.764	11.762	(0.921)	194939	208.110	8324
89 1,2,3-Trichloropropane	110	11.807	11.810	(0.924)	55787	226.474	9059(Q)
93 4-Chlorotoluene	126	12.074	12.078	(0.945)	251387	208.075	8323
92 1,3,5-Trimethylbenzene	105	12.056	12.054	(0.943)	889494	198.591	7944
95 tert-Butylbenzene	119	12.385	12.382	(0.969)	838089	195.586	7823
96 1,2,4-Trimethylbenzene	105	12.427	12.431	(0.972)	920202	199.557	7982
97 sec-Butylbenzene	105	12.598	12.601	(0.986)	1225987	200.386	8015
99 4-Isopropyltoluene	119	12.744	12.741	(0.997)	999903	202.884	8115
98 1,3-Dichlorobenzene	146	12.713	12.717	(0.995)	507128	202.559	8102
103 n-Butylbenzene	91	13.157	13.155	(1.030)	998630	203.050	8122
101 1,4-Dichlorobenzene	146	12.804	12.802	(1.002)	467330	202.586	8103
104 1,2-Dichlorobenzene	146	13.175	13.179	(1.031)	436692	201.867	8075
106 1,2-Dibromo-3-chloropropane	157	13.960	13.958	(1.092)	27382	217.252	8690
108 1,2,4-Trichlorobenzene	180	14.794	14.797	(1.158)	234199	258.228	10330
109 Hexachlorobutadiene	225	14.964	14.968	(1.171)	156924	203.834	8153
110 Naphthalene	128	15.043	15.047	(1.177)	384043	336.214	13450
111 1,2,3-Trichlorobenzene	180	15.299	15.296	(1.197)	204232	370.984	14840
18 Methyl Acetate	43	4.142	4.139	(0.563)	138474	254.174	10170
42 Cyclohexane	56	6.678	6.676	(0.907)	492018	206.580	8263
55 Methyl Cyclohexane	83	7.956	7.953	(1.081)	513836	211.614	8464
107 1,3,5-Trichlorobenzene	180	14.173	14.177	(1.109)	284318	184.979	7399
M 117 Xylenes (total)	106				1149675	612.202	24490

QC Flag Legend

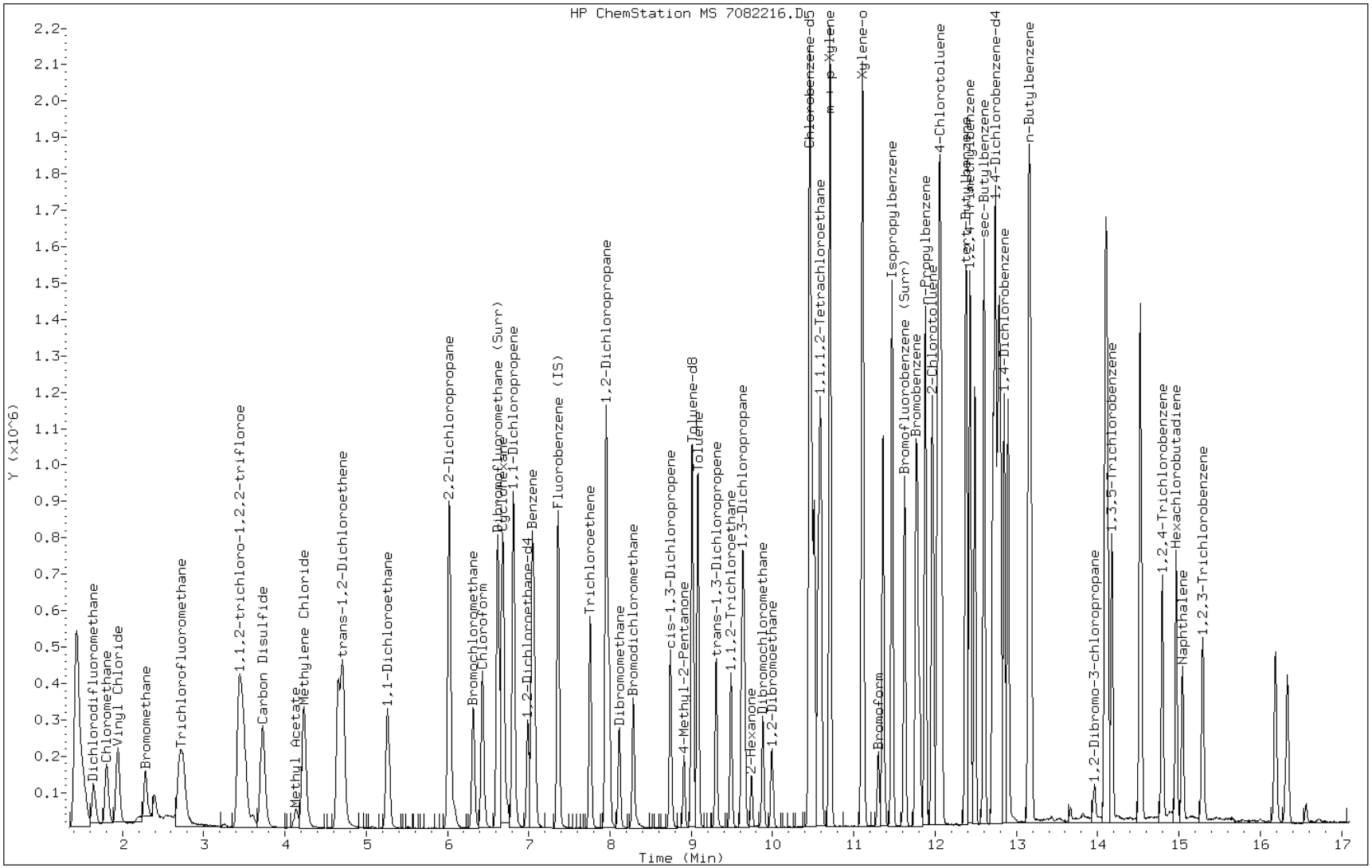
Q - Qualifier signal failed the ratio test.

Data File: 7082216.D

Date: 22-AUG-2012 10:32

Client ID: Instrument: hp7.i

Sample Info: 180-13635-D-1-D MSD, 40x Operator: 034635



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: HP7 Start Date: 08/17/2012 01:34

Analysis Batch Number: 45373 End Date: 08/17/2012 08:54

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 180-45373/1		08/17/2012 01:34	1	7081701.D	DB-624 0.18(mm)
IC 180-45373/2		08/17/2012 02:39	1	7081703.D	DB-624 0.18(mm)
IC 180-45373/3		08/17/2012 03:13	1	7081704.D	DB-624 0.18(mm)
ICIS 180-45373/4		08/17/2012 03:44	1	7081705.D	DB-624 0.18(mm)
IC 180-45373/5		08/17/2012 04:16	1	7081706.D	DB-624 0.18(mm)
IC 180-45373/6		08/17/2012 04:46	1	7081707.D	DB-624 0.18(mm)
IC 180-45373/7		08/17/2012 05:18	1	7081708.D	DB-624 0.18(mm)
IC 180-45373/8		08/17/2012 07:49	1	7081713.D	DB-624 0.18(mm)
ICV 180-45373/9		08/17/2012 08:54	1		DB-624 0.18(mm)

8260B

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: HP7 Start Date: 08/22/2012 03:46

Analysis Batch Number: 45860 End Date: 08/22/2012 15:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 180-45860/1		08/22/2012 03:46	1	7082206.D	DB-624 0.18(mm)
CCVIS 180-45860/2		08/22/2012 05:07	1	7082207.D	DB-624 0.18(mm)
ZZZZZ		08/22/2012 06:54	1		DB-624 0.18(mm)
LB 180-45830/6-A		08/22/2012 07:21	1	7082210.D	DB-624 0.18(mm)
ZZZZZ		08/22/2012 07:47	40		DB-624 0.18(mm)
180-13635-D-1-C MS		08/22/2012 08:17	40	7082212.D	DB-624 0.18(mm)
ZZZZZ		08/22/2012 10:07	40		DB-624 0.18(mm)
LCS 180-45860/9		08/22/2012 10:07	10	7082215.D	DB-624 0.18(mm)
ZZZZZ		08/22/2012 10:32	10		DB-624 0.18(mm)
180-13635-D-1-D MSD		08/22/2012 10:32	40	7082216.D	DB-624 0.18(mm)
ZZZZZ		08/22/2012 10:59	40		DB-624 0.18(mm)
ZZZZZ		08/22/2012 11:27	40		DB-624 0.18(mm)
ZZZZZ		08/22/2012 12:19	40		DB-624 0.18(mm)
ZZZZZ		08/22/2012 12:45	40		DB-624 0.18(mm)
180-13537-7	IDW-1	08/22/2012 14:29	40	7082225.D	DB-624 0.18(mm)
ZZZZZ		08/22/2012 15:44	40		DB-624 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Batch Number: 45830 Batch Start Date: 08/21/12 17:00 Batch Analyst: Payton, Sean

Batch Method: 1311 Batch End Date: 08/21/12 18:29

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialRoomTemp	FinalRoomTemp	FiltCompDate	FiltCompTime		
180-13537-A-7	IDW-1	1311, 8260B	P	23 Celsius	23 Celsius	08/21/2012	1810		
LB 180-45830/6		1311, 8260B		23 Celsius	23 Celsius	08/21/2012	1810		

Batch Notes	
First End time	1800
First Start time	1700
TCLP Fluid 1 ID	4207803
ID number of the thermometer	TCLP#1
Uncorrected Final Room Temperature	23 Celsius
Uncorrected Initial Room Temperature	23 Celsius

Basis	Basis Description
P	TCLP

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.: 180-13537-1

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	180-13537-1	117	116	95	95
MW-101	180-13537-2	115	112	100	99
MW-107	180-13537-3	111	113	97	96
MW-113	180-13537-4	112	113	101	93
MW-110	180-13537-5	116	112	101	99
MW-102	180-13537-6	112	119	100	95
	MB 180-46427/4	112	108	100	97
	LCS 180-46427/7	96	93	99	88
	180-13569-A-2 MS	98	95	102	90
	180-13569-A-2 MSD	96	96	101	91

	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.: 180-13537-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 60827008.D

Lab ID: LCS 180-46427/7 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acetone	10.0	9.06	91	22-150	
Benzene	10.0	9.88	99	80-120	
Bromodichloromethane	10.0	10.4	104	66-130	
Bromoform	10.0	12.1	121	46-150	
Bromomethane	10.0	6.37	64	33-150	
2-Butanone (MEK)	10.0	9.39	94	39-138	
Carbon disulfide	10.0	8.63	86	54-132	
Carbon tetrachloride	10.0	10.8	108	55-150	
Chlorobenzene	10.0	9.94	99	80-120	
Chloroethane	10.0	6.95	70	36-142	
Chloroform	10.0	9.48	95	72-127	
Dibromochloromethane	10.0	11.3	113	60-140	
1,2-Dibromo-3-Chloropropane	10.0	10.6	106	37-133	
1,2-Dibromoethane (EDB)	10.0	10.4	104	74-123	
1,1-Dichloroethane	10.0	9.63	96	73-126	
1,2-Dichloroethane	10.0	9.30	93	68-132	
1,1-Dichloroethene	10.0	8.95	90	65-136	
trans-1,2-Dichloroethene	10.0	9.23	92	73-126	
1,2-Dichloropropane	10.0	10.3	103	76-124	
cis-1,3-Dichloropropene	10.0	10.0	100	66-120	
trans-1,3-Dichloropropene	10.0	10.3	103	65-125	
Ethylbenzene	10.0	10.5	105	72-126	
2-Hexanone	10.0	8.82	88	25-132	
Methylene Chloride	10.0	8.05	80	63-129	
4-Methyl-2-pentanone (MIBK)	10.0	9.08	91	45-145	
Styrene	10.0	10.3	103	71-127	
1,1,2,2-Tetrachloroethane	10.0	11.0	110	62-125	
Tetrachloroethene	10.0	10.9	109	70-135	
Toluene	10.0	10.0	100	80-123	
1,1,1-Trichloroethane	10.0	9.86	99	63-133	
1,1,2-Trichloroethane	10.0	9.88	99	77-127	
Trichloroethene	10.0	9.21	92	73-120	
Trichlorofluoromethane	10.0	9.79	98	44-150	
Vinyl chloride	10.0	7.84	78	53-138	
Xylenes, Total	30.0	31.5	105	76-128	
Cyclohexane	10.0	9.50	95	45-142	
cis-1,2-Dichloroethene	10.0	8.37	84	70-120	
Dichlorodifluoromethane	10.0	6.80	68	13-150	
Isopropylbenzene	10.0	9.89	99	58-130	
Methyl acetate	10.0	9.07	91	47-142	
Methylcyclohexane	10.0	9.51	95	45-145	
Methyl tert-butyl ether	10.0	8.14	81	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.: 180-13537-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 60827008.D

Lab ID: LCS 180-46427/7 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	9.51	95	46-148	
1,2-Dichlorobenzene	10.0	9.75	98	77-120	
1,3-Dichlorobenzene	10.0	10.1	101	76-120	
1,4-Dichlorobenzene	10.0	9.89	99	77-120	
1,2,4-Trichlorobenzene	10.0	8.44	84	60-127	
Chloromethane	10.0	8.05	80	50-139	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 60827009.D

Lab ID: 180-13569-A-2 MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Acetone	10.0	ND	10.0	100	22-150	
Benzene	10.0	ND	9.97	100	80-120	
Bromodichloromethane	10.0	ND	10.5	105	66-130	
Bromoform	10.0	ND	12.0	120	46-150	
Bromomethane	10.0	ND	5.01	50	33-150	
2-Butanone (MEK)	10.0	ND	10.5	105	39-138	
Carbon disulfide	10.0	ND	9.18	92	54-132	
Carbon tetrachloride	10.0	ND	10.6	106	55-150	
Chlorobenzene	10.0	ND	10.1	101	80-120	
Chloroethane	10.0	ND	7.34	73	36-142	
Chloroform	10.0	ND	9.91	99	72-127	
Dibromochloromethane	10.0	ND	12.1	121	60-140	
1,2-Dibromo-3-Chloropropane	10.0	ND	9.84	98	37-133	
1,2-Dibromoethane (EDB)	10.0	ND	10.6	106	74-123	
1,1-Dichloroethane	10.0	5.6	14.4	88	73-126	
1,2-Dichloroethane	10.0	ND	9.81	98	68-132	
1,1-Dichloroethene	10.0	ND	9.34	93	65-136	
trans-1,2-Dichloroethene	10.0	ND	9.13	91	73-126	
1,2-Dichloropropane	10.0	ND	10.6	106	76-124	
cis-1,3-Dichloropropene	10.0	ND	10.7	107	66-120	
trans-1,3-Dichloropropene	10.0	ND	11.2	112	65-125	
Ethylbenzene	10.0	ND	11.0	110	72-126	
2-Hexanone	10.0	ND	9.28	93	25-132	
Methylene Chloride	10.0	0.26 J	8.56	83	63-129	
4-Methyl-2-pentanone (MIBK)	10.0	ND	9.64	96	45-145	
Styrene	10.0	ND	10.4	104	71-127	
1,1,2,2-Tetrachloroethane	10.0	ND	11.1	111	62-125	
Tetrachloroethene	10.0	0.54 J	12.1	116	70-135	
Toluene	10.0	ND	10.2	102	80-123	
1,1,1-Trichloroethane	10.0	0.52 J	10.5	100	63-133	
1,1,2-Trichloroethane	10.0	ND	10.3	103	77-127	
Trichloroethene	10.0	0.57 J	10.4	98	73-120	
Trichlorofluoromethane	10.0	ND	10.7	107	44-150	
Vinyl chloride	10.0	0.66 J	8.09	74	53-138	
Xylenes, Total	30.0	ND	32.1	107	76-128	
Cyclohexane	10.0	ND	10.0	100	45-142	
cis-1,2-Dichloroethene	10.0	4.2	12.6	84	70-120	
Dichlorodifluoromethane	10.0	7.1	12.6	55	13-150	
Isopropylbenzene	10.0	ND	10.2	102	58-130	
Methyl acetate	10.0	ND	8.83	88	47-142	
Methylcyclohexane	10.0	ND	9.79	98	45-145	
Methyl tert-butyl ether	10.0	0.50 J	9.21	87	64-123	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 60827009.D

Lab ID: 180-13569-A-2 MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	ND	9.67	97	46-148	
1,2-Dichlorobenzene	10.0	ND	9.73	97	77-120	
1,3-Dichlorobenzene	10.0	ND	9.77	98	76-120	
1,4-Dichlorobenzene	10.0	ND	9.86	99	77-120	
1,2,4-Trichlorobenzene	10.0	ND	8.19	82	60-127	
Chloromethane	10.0	ND	8.09	81	50-139	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 60827010.D

Lab ID: 180-13569-A-2 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acetone	10.0	9.77	98	3	35	22-150	
Benzene	10.0	10.5	105	5	32	80-120	
Bromodichloromethane	10.0	10.8	108	3	35	66-130	
Bromoform	10.0	12.7	127	5	35	46-150	
Bromomethane	10.0	5.24	52	4	35	33-150	
2-Butanone (MEK)	10.0	11.6	116	10	35	39-138	
Carbon disulfide	10.0	9.15	91	0	35	54-132	
Carbon tetrachloride	10.0	10.8	108	2	35	55-150	
Chlorobenzene	10.0	10.9	109	7	29	80-120	
Chloroethane	10.0	7.58	76	3	35	36-142	
Chloroform	10.0	10.2	102	3	35	72-127	
Dibromochloromethane	10.0	12.1	121	0	35	60-140	
1,2-Dibromo-3-Chloropropane	10.0	10.1	101	3	35	37-133	
1,2-Dibromoethane (EDB)	10.0	11.5	115	8	35	74-123	
1,1-Dichloroethane	10.0	14.7	90	1	35	73-126	
1,2-Dichloroethane	10.0	10.3	103	5	32	68-132	
1,1-Dichloroethene	10.0	9.23	92	1	35	65-136	
trans-1,2-Dichloroethene	10.0	9.34	93	2	35	73-126	
1,2-Dichloropropane	10.0	11.3	113	6	34	76-124	
cis-1,3-Dichloropropene	10.0	11.4	114	7	35	66-120	
trans-1,3-Dichloropropene	10.0	11.5	115	3	35	65-125	
Ethylbenzene	10.0	11.4	114	4	33	72-126	
2-Hexanone	10.0	10.1	101	8	35	25-132	
Methylene Chloride	10.0	8.67	84	1	35	63-129	
4-Methyl-2-pentanone (MIBK)	10.0	9.93	99	3	35	45-145	
Styrene	10.0	10.9	109	4	34	71-127	
1,1,2,2-Tetrachloroethane	10.0	11.5	115	4	35	62-125	
Tetrachloroethene	10.0	12.1	115	0	35	70-135	
Toluene	10.0	10.6	106	4	35	80-123	
1,1,1-Trichloroethane	10.0	11.0	105	4	35	63-133	
1,1,2-Trichloroethane	10.0	10.5	105	2	35	77-127	
Trichloroethene	10.0	10.7	102	3	35	73-120	
Trichlorofluoromethane	10.0	9.48	95	12	35	44-150	
Vinyl chloride	10.0	8.24	76	2	35	53-138	
Xylenes, Total	30.0	33.4	111	4	32	76-128	
Cyclohexane	10.0	10.5	105	4	35	45-142	
cis-1,2-Dichloroethene	10.0	12.5	83	0	35	70-120	
Dichlorodifluoromethane	10.0	12.5	54	1	35	13-150	
Isopropylbenzene	10.0	10.6	106	4	35	58-130	
Methyl acetate	10.0	9.47	95	7	35	47-142	
Methylcyclohexane	10.0	10.4	104	6	35	45-145	
Methyl tert-butyl ether	10.0	9.54	90	3	35	64-123	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 60827010.D

Lab ID: 180-13569-A-2 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	9.77	98	1	35	46-148	
1,2-Dichlorobenzene	10.0	10.4	104	6	24	77-120	
1,3-Dichlorobenzene	10.0	10.3	103	5	24	76-120	
1,4-Dichlorobenzene	10.0	10.1	101	3	24	77-120	
1,2,4-Trichlorobenzene	10.0	8.67	87	6	35	60-127	
Chloromethane	10.0	8.41	84	4	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.: 180-13537-1

SDG No.:

Lab File ID: 60827005.D Lab Sample ID: MB 180-46427/4

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

Instrument ID: HP6 Date Analyzed: 08/27/2012 11:21

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 180-46427/7	60827008.D	08/27/2012 12:44
	180-13569-A-2 MS	60827009.D	08/27/2012 13:08
	180-13569-A-2 MSD	60827010.D	08/27/2012 13:32
MW-101	180-13537-2	60827013.D	08/27/2012 14:43
MW-107	180-13537-3	60827014.D	08/27/2012 15:07
MW-113	180-13537-4	60827015.D	08/27/2012 15:31
MW-110	180-13537-5	60827017.D	08/27/2012 16:19
MW-102	180-13537-6	60827018.D	08/27/2012 16:43
TRIP BLANK	180-13537-1	60827019.D	08/27/2012 17:07

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

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab File ID: 60723004.D BFB Injection Date: 07/23/2012

Instrument ID: HP6 BFB Injection Time: 15:46

Analysis Batch No.: 42730

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	23.7	
75	30.0 - 60.0 % of mass 95	49.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	5.7	
173	Less than 2.0 % of mass 174	1.3	(1.9)1
174	50.0 - 120.00 % of mass 95	66.4	
175	5.0 - 9.0 % of mass 174	5.5	(8.3)1
176	95.0 - 101.0 % of mass 174	65.7	(98.9)1
177	5.0 - 9.0 % of mass 176	4.2	(6.3)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 180-42730/2	60723009.D	07/23/2012	18:11
	IC 180-42730/3	60723010.D	07/23/2012	18:35
	ICIS 180-42730/4	60723011.D	07/23/2012	18:59
	IC 180-42730/5	60723012.D	07/23/2012	19:23
	IC 180-42730/6	60723013.D	07/23/2012	19:47
	IC 180-42730/7	60723014.D	07/23/2012	20:12
	IC 180-42730/8	60723015.D	07/23/2012	20:36

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

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab File ID: 60730005.D BFB Injection Date: 07/30/2012

Instrument ID: HP6 BFB Injection Time: 04:07

Analysis Batch No.: 43277

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	23.7	
75	30.0 - 60.0 % of mass 95	53.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.9	
173	Less than 2.0 % of mass 174	0.6	(0.9)1
174	50.0 - 120.00 % of mass 95	72.4	
175	5.0 - 9.0 % of mass 174	6.3	(8.7)1
176	95.0 - 101.0 % of mass 174	70.3	(97.0)1
177	5.0 - 9.0 % of mass 176	5.1	(7.3)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 180-43277/2	60730007.D	07/30/2012	06:55
	IC 180-43277/3	60730008.D	07/30/2012	07:19
	ICIS 180-43277/4	60730009.D	07/30/2012	07:43
	IC 180-43277/5	60730010.D	07/30/2012	08:08
	IC 180-43277/6	60730011.D	07/30/2012	08:32
	IC 180-43277/7	60730012.D	07/30/2012	08:56
	IC 180-43277/8	60730013.D	07/30/2012	09:20

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

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab File ID: 60827002.D BFB Injection Date: 08/27/2012

Instrument ID: HP6 BFB Injection Time: 09:40

Analysis Batch No.: 46427

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	24.7	
75	30.0 - 60.0 % of mass 95	49.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.5	(0.6)1
174	50.0 - 120.00 % of mass 95	78.9	
175	5.0 - 9.0 % of mass 174	5.8	(7.4)1
176	95.0 - 101.0 % of mass 174	77.6	(98.4)1
177	5.0 - 9.0 % of mass 176	4.3	(5.5)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 180-46427/2	60827003.D	08/27/2012	10:13
	CCV 180-46427/3	60827004.D	08/27/2012	10:45
	MB 180-46427/4	60827005.D	08/27/2012	11:21
	LCS 180-46427/7	60827008.D	08/27/2012	12:44
	180-13569-A-2 MS	60827009.D	08/27/2012	13:08
	180-13569-A-2 MSD	60827010.D	08/27/2012	13:32
MW-101	180-13537-2	60827013.D	08/27/2012	14:43
MW-107	180-13537-3	60827014.D	08/27/2012	15:07
MW-113	180-13537-4	60827015.D	08/27/2012	15:31
MW-110	180-13537-5	60827017.D	08/27/2012	16:19
MW-102	180-13537-6	60827018.D	08/27/2012	16:43
TRIP BLANK	180-13537-1	60827019.D	08/27/2012	17:07

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

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Sample No.: CCVIS 180-46427/2 Date Analyzed: 08/27/2012 10:13

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

Lab File ID (Standard): 60827003.D Heated Purge: (Y/N) N

Calibration ID: 5971

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		405957	7.34	81817	10.44	117187	12.77
UPPER LIMIT		811914	7.84	163634	10.94	234374	13.27
LOWER LIMIT		202979	6.84	40909	9.94	58594	12.27
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 180-46427/3		398938	7.34	78197	10.44	94515	12.76
MB 180-46427/4		376450	7.35	85213	10.44	135540	12.77
LCS 180-46427/7		416094	7.35	87252	10.44	122381	12.76
180-13569-A-2 MS		414311	7.34	87212	10.44	124937	12.76
180-13569-A-2 MSD		395901	7.34	83812	10.44	119679	12.77
180-13537-2	MW-101	368607	7.35	83096	10.44	132867	12.76
180-13537-3	MW-107	372257	7.34	86544	10.44	128504	12.76
180-13537-4	MW-113	374812	7.35	88479	10.44	134324	12.77
180-13537-5	MW-110	372242	7.35	84337	10.44	131164	12.76
180-13537-6	MW-102	379205	7.34	86383	10.45	128588	12.77
180-13537-1	TRIP BLANK	366737	7.35	87197	10.44	129894	12.77

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.: 180-13537-1

SDG No.:

Client Sample ID: TRIP BLANK | Lab Sample ID: 180-13537-1

Matrix: Water | Lab File ID: 60827019.D

Analysis Method: 8260B | Date Collected: 08/16/2012 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 08/27/2012 17:07

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.: 46427 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	6.2		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	3.9	B	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.: 180-13537-1

SDG No.:

Client Sample ID: TRIP BLANK | Lab Sample ID: 180-13537-1

Matrix: Water | Lab File ID: 60827019.D

Analysis Method: 8260B | Date Collected: 08/16/2012 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 08/27/2012 17:07

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.: 46427 | Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	116		64-135
2037-26-5	Toluene-d8 (Surr)	95		71-118
460-00-4	4-Bromofluorobenzene (Surr)	95		70-118
1868-53-7	Dibromofluoromethane (Surr)	117		70-128

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

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Client Sample ID: TRIP BLANK Lab Sample ID: 180-13537-1

Matrix: Water Lab File ID: 60827019.D

Analysis Method: 8260B Date Collected: 08/16/2012 00:00

Sample wt/vol: 5(mL) Date Analyzed: 08/27/2012 17:07

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.: 46427 Units: ug/L

Number TICs Found: 1 TIC Result Total: 3.5

CAS NO.	COMPOUND NAME	RT	RESULT	Q
1066-40-6	Silanol, trimethyl-	6.05	3.5	T J N

FORM I-TIC 8260B

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6082712d.b\60827019.D
Lab Smp Id: 180-13537-A-1
Inj Date : 27-AUG-2012 17:07
Operator : 001562 Inst ID: hp6.i
Smp Info : 180-13537-A-1
Misc Info : T6082712d.b,T8260bllw.m,1-dox.sub
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6082712d.b\T8260bllw.m
Meth Date : 28-Aug-2012 07:06 fergusond Quant Type: ISTD
Cal Date : 30-JUL-2012 07:43 Cal File: 60730009.D
Als bottle: 69
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-dox.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	7.348	7.342	(1.000)	366737	50.0000	
* 69 Chlorobenzene-d5	119	10.438	10.439	(1.000)	87197	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.768	12.769	(1.000)	129894	50.0000	
$ 39 Dibromofluoromethane (Surr)	113	6.594	6.594	(0.897)	91019	58.3248	58.32
$ 43 1,2-Dichloroethane-d4	65	6.971	6.965	(0.949)	143642	57.7860	57.78
$ 59 Toluene-d8	98	8.997	8.997	(0.862)	348975	47.5202	47.52
$ 80 Bromofluorobenzene (Surr)	95	11.606	11.607	(1.112)	137666	47.3607	47.36
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
10 1,1,2-trichloro-1,2,2-trifluor	101	Compound Not Detected.					
12 1,1-Dichloroethene	96	Compound Not Detected.					
15 Carbon Disulfide	76	Compound Not Detected.					
13 Acetone	43	3.552	3.546	(0.483)	25587	31.1630	31.16
18 Methylene Chloride	84	4.215	4.209	(0.574)	44815	19.4810	19.48
19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
20 Methyl tert-butyl ether	73	Compound Not Detected.					
24 1,1-Dichloroethane	63	Compound Not Detected.					
27 2,2-Dichloropropane	77	Compound Not Detected.					
28 cis-1,2-dichloroethene	96	Compound Not Detected.					
M 29 1,2-Dichloroethene (total)	96	Compound Not Detected.					
30 Bromochloromethane	128	Compound Not Detected.					
31 2-Butanone	43	Compound Not Detected.					
37 Chloroform	83	Compound Not Detected.					
38 1,1,1-Trichloroethane	97	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ng)
	40 1,1-Dichloropropene	75	Compound Not Detected.					
	41 Carbon Tetrachloride	117	Compound Not Detected.					
	42 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	47 Trichloroethene	130	Compound Not Detected.					
	49 1,2-Dichloropropane	63	Compound Not Detected.					
	50 Dibromomethane	93	Compound Not Detected.					
	53 Bromodichloromethane	83	Compound Not Detected.					
	57 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	58 4-Methyl-2-Pentanone	43	Compound Not Detected.					
	60 Toluene	91	Compound Not Detected.					
	61 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	63 1,3-Dichloropropane	76	Compound Not Detected.					
	64 1,1,2-Trichloroethane	97	Compound Not Detected.					
	65 Tetrachloroethene	164	Compound Not Detected.					
	66 2-Hexanone	43	Compound Not Detected.					
	67 Dibromochloromethane	129	Compound Not Detected.					
	68 1,2-Dibromoethane	107	Compound Not Detected.					
	70 Chlorobenzene	112	Compound Not Detected.					
	71 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	72 Ethylbenzene	106	Compound Not Detected.					
	73 m + p-Xylene	106	Compound Not Detected.					
	74 Xylene-o	106	Compound Not Detected.					
M	75 Xylenes (total)	106	Compound Not Detected.					
	76 Styrene	104	Compound Not Detected.					
	77 Bromoform	173	Compound Not Detected.					
	78 Isopropylbenzene	105	Compound Not Detected.					
	83 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	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\T6082712d.b\60827019.D
Lab Smp Id: 180-13537-A-1
Inj Date : 27-AUG-2012 17:07
Operator : 001562 Inst ID: hp6.i
Smp Info : 180-13537-A-1
Misc Info : T6082712d.b,T8260bllw.m,1-dox.sub
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6082712d.b\T8260bllw.m
Meth Date : 28-Aug-2012 07:06 fergusond Quant Type: ISTD
Cal Date : 30-JUL-2012 07:43 Cal File: 60730009.D
Als bottle: 69
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-dox.sub
Target Version: 4.14
Processing Host: PITPC-002

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

ISTD	RT	AREA	AMOUNT
* 46 Fluorobenzene (IS)	7.348	886303	50.000

	CONCENTRATIONS				QUANT		
RT	AREA	ON-COL(ng)	FINAL(ng)	QUAL	LIBRARY	LIB ENTRY	CPND #
Silanol, trimethyl-					CAS #: 1066-40-6		
6.053	314621	17.7490188	17.75	64	Nist98.l	115532	46(L)

QC Flag Legend

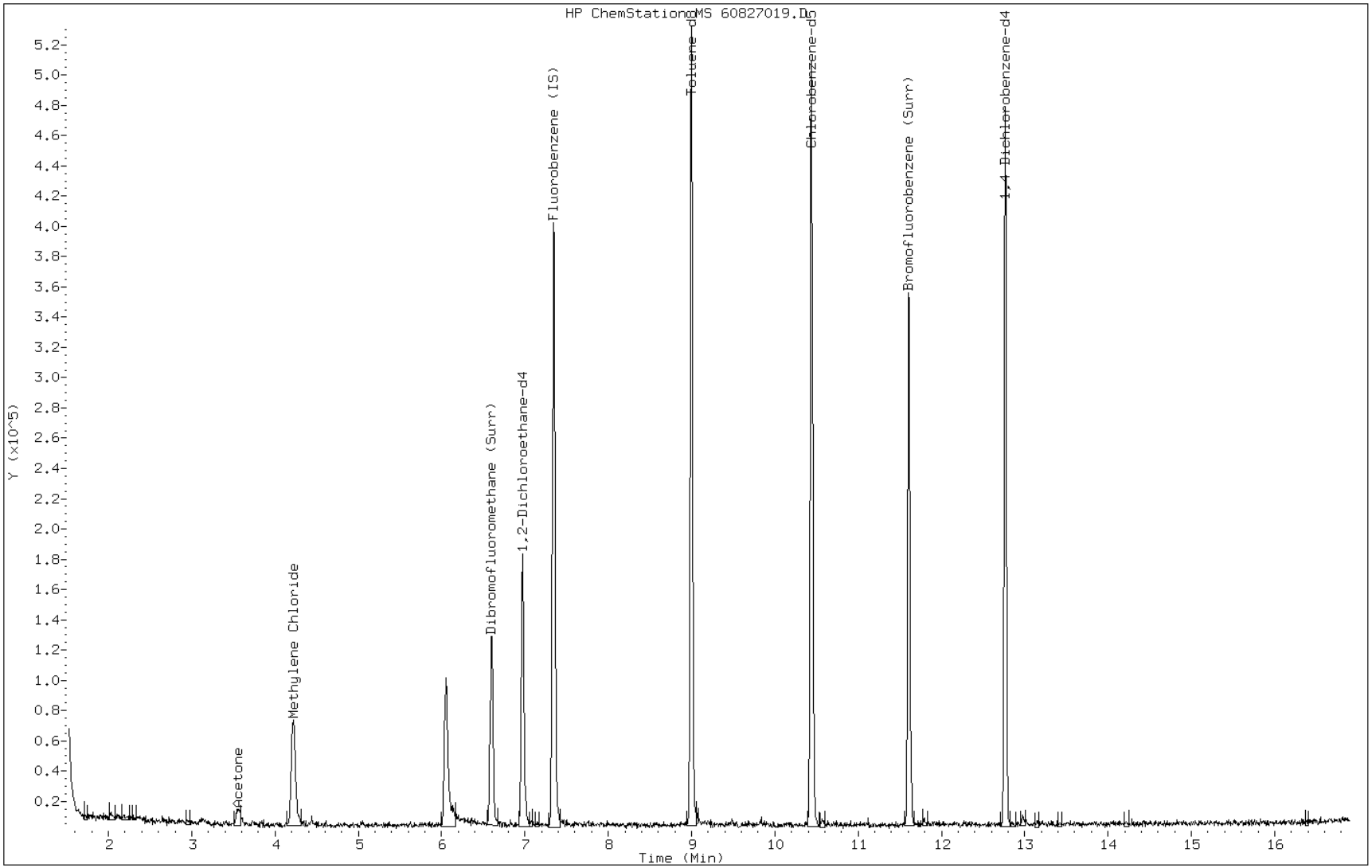
L - Operator selected an alternate library search match.

Data File: 60827019.D

Date: 27-AUG-2012 17:07

Client ID: Instrument: hp6.i

Sample Info: 180-13537-A-1 Operator: 001562



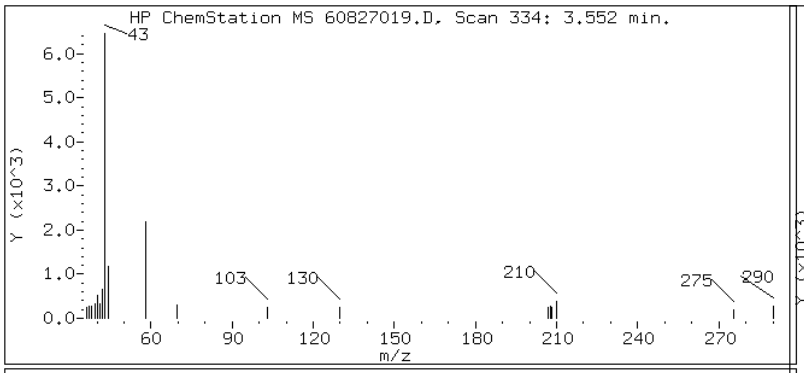
Data File: 60827019.D

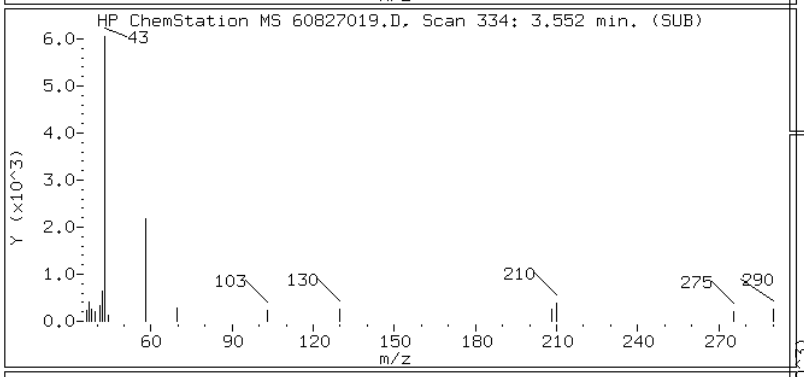
Date: 27-AUG-2012 17:07

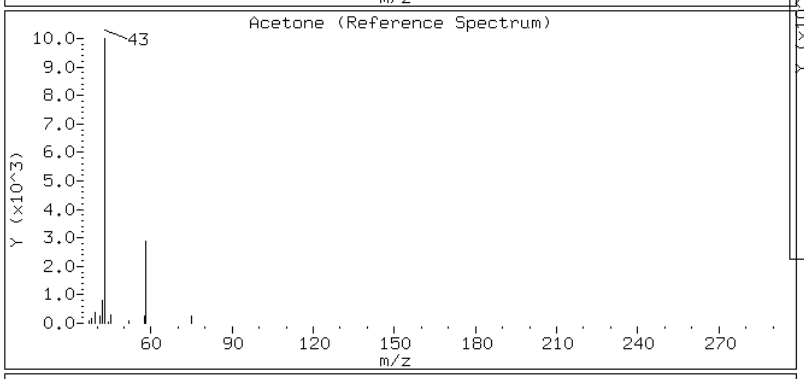
Client ID: Instrument: hp6.i

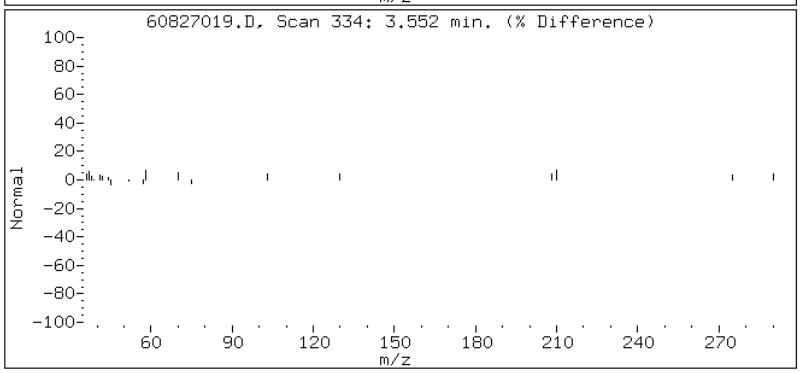
Sample Info: 180-13537-A-1 Operator: 001562

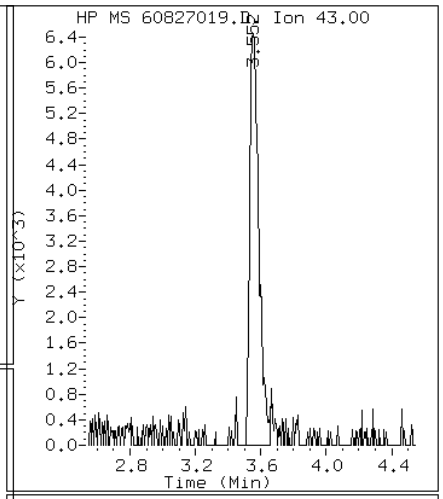
13 Acetone

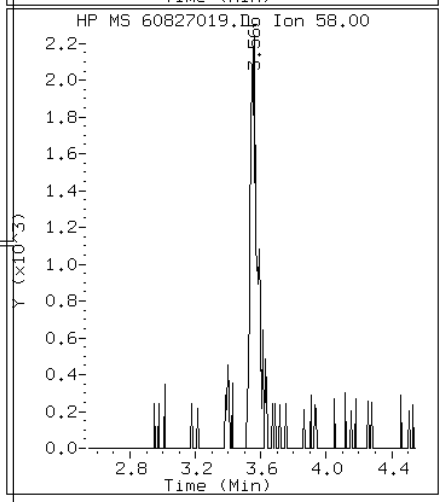












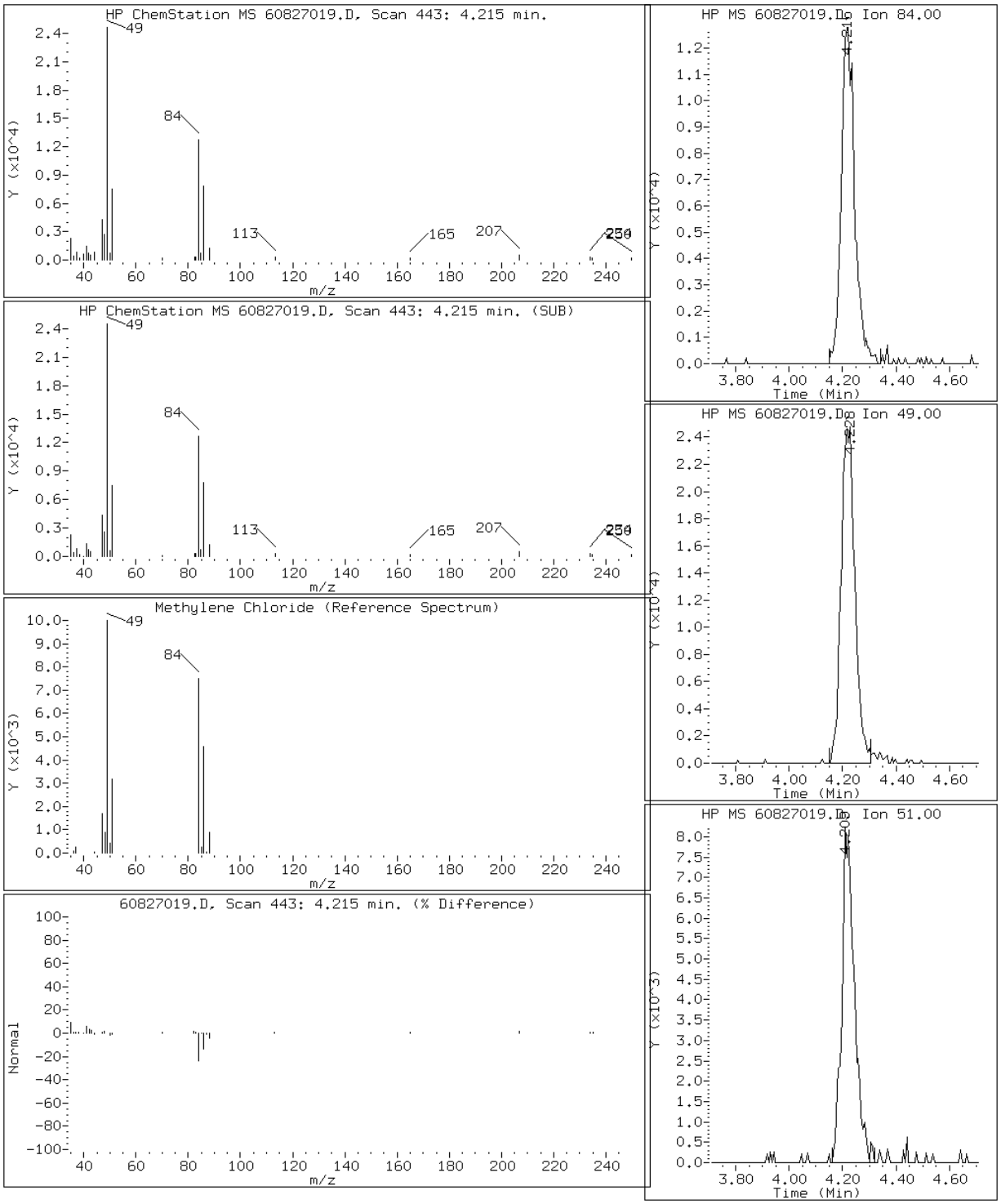
Data File: 60827019.D

Date: 27-AUG-2012 17:07

Client ID: Instrument: hp6.i

Sample Info: 180-13537-A-1 Operator: 001562

18 Methylene Chloride



Data File: 60827019.D

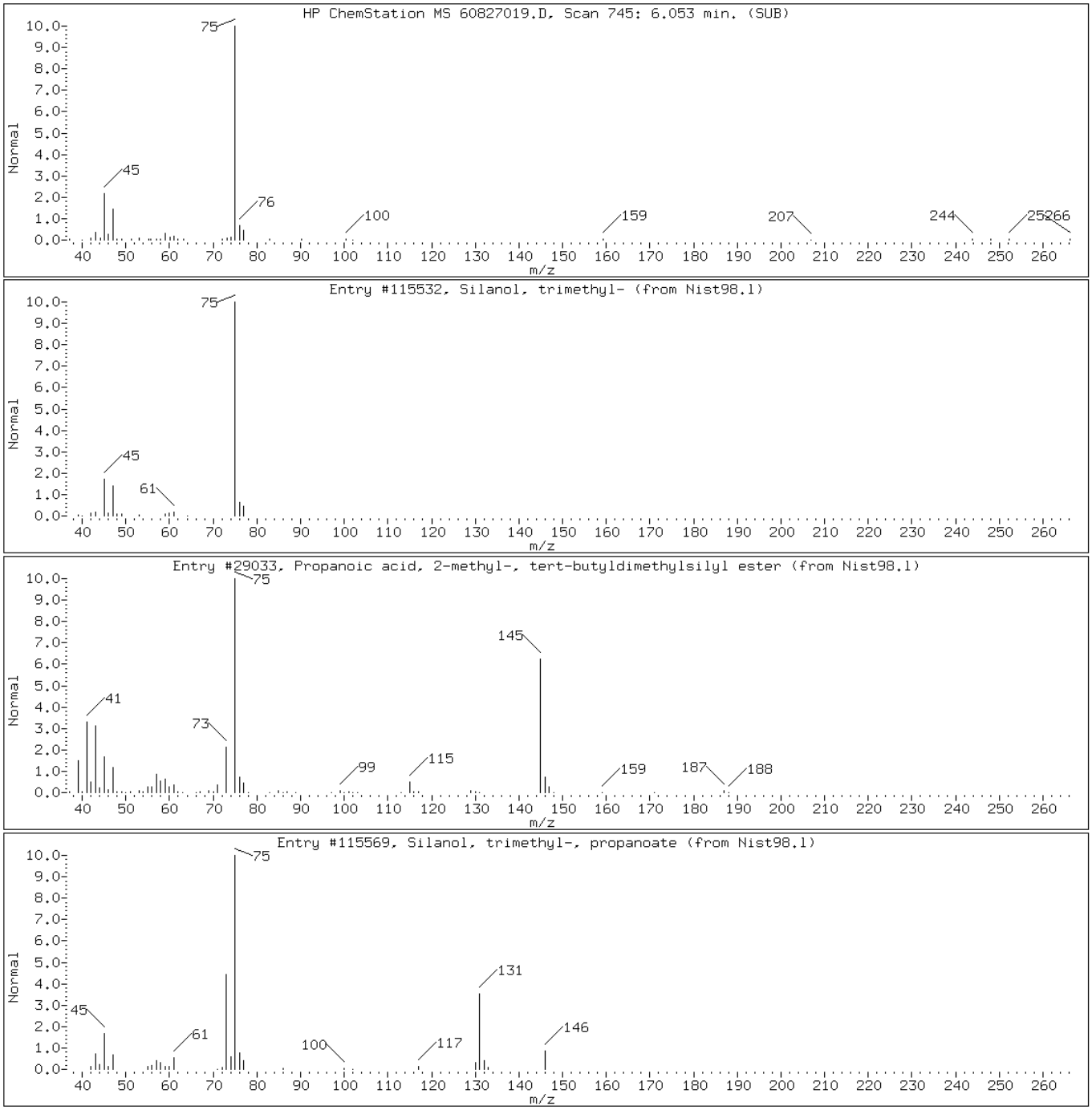
Date: 27-AUG-2012 17:07

Client ID: Instrument: hp6.i

Sample Info: 180-13537-A-1 Operator: 001562

Retention Time: 6.05

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Silanol, trimethyl-	1066-40-6	Nist98.l	115532	64	C3H10OSi	90
Propanoic acid, 2-methyl-, tert-bu	1000221-67-3	Nist98.l	29033	64	C10H22O2Si	202
Silanol, trimethyl-, propanoate	16844-98-7	Nist98.l	115569	64	C6H14O2Si	146



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-13537-1

SDG No.:

Client Sample ID: MW-101 | Lab Sample ID: 180-13537-2

Matrix: Water | Lab File ID: 60827013.D

Analysis Method: 8260B | Date Collected: 08/16/2012 08:15

Sample wt/vol: 5(mL) | Date Analyzed: 08/27/2012 14:43

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.: 46427 | 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	0.51	J B	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.: 180-13537-1

SDG No.:

Client Sample ID: MW-101 | Lab Sample ID: 180-13537-2

Matrix: Water | Lab File ID: 60827013.D

Analysis Method: 8260B | Date Collected: 08/16/2012 08:15

Sample wt/vol: 5(mL) | Date Analyzed: 08/27/2012 14:43

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.: 46427 | 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)	112		64-135
2037-26-5	Toluene-d8 (Surr)	100		71-118
460-00-4	4-Bromofluorobenzene (Surr)	99		70-118
1868-53-7	Dibromofluoromethane (Surr)	115		70-128

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

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Client Sample ID: MW-101 Lab Sample ID: 180-13537-2

Matrix: Water Lab File ID: 60827013.D

Analysis Method: 8260B Date Collected: 08/16/2012 08:15

Sample wt/vol: 5(mL) Date Analyzed: 08/27/2012 14:43

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.: 46427 Units: ug/L

Number TICs Found: 1 TIC Result Total: 1.3

CAS NO.	COMPOUND NAME	RT	RESULT	Q
1066-40-6	Silanol, trimethyl-	6.05	1.3	T J N

FORM I-TIC 8260B

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6082712d.b\60827013.D
Lab Smp Id: 180-13537-N-2
Inj Date : 27-AUG-2012 14:43
Operator : 001562 Inst ID: hp6.i
Smp Info : 180-13537-N-2
Misc Info : T6082712d.b,T8260bllw.m,1-dox.sub
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6082712d.b\T8260bllw.m
Meth Date : 27-Aug-2012 13:42 fergusond Quant Type: ISTD
Cal Date : 30-JUL-2012 07:43 Cal File: 60730009.D
Als bottle: 63
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-dox.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	7.349	7.342	(1.000)	368607	50.0000	
* 69 Chlorobenzene-d5	119	10.439	10.439	(1.000)	83096	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.763	12.769	(1.000)	132867	50.0000	
$ 39 Dibromofluoromethane (Surr)	113	6.601	6.594	(0.898)	89996	57.3766	57.38
$ 43 1,2-Dichloroethane-d4	65	6.972	6.965	(0.949)	139728	55.9262	55.93
$ 59 Toluene-d8	98	8.997	8.997	(0.862)	351525	50.2298	50.23
$ 80 Bromofluorobenzene (Surr)	95	11.607	11.607	(1.112)	136663	49.3360	49.34
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	4.222	4.209	(0.575)	5950	2.57333	2.573(Q)
19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
20 Methyl tert-butyl ether	73	Compound Not Detected.					
24 1,1-Dichloroethane	63	Compound Not Detected.					
27 2,2-Dichloropropane	77	Compound Not Detected.					
28 cis-1,2-dichloroethene	96	Compound Not Detected.					
M 29 1,2-Dichloroethene (total)	96	Compound Not Detected.					
30 Bromochloromethane	128	Compound Not Detected.					
31 2-Butanone	43	Compound Not Detected.					
37 Chloroform	83	Compound Not Detected.					
38 1,1,1-Trichloroethane	97	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ng)
	40 1,1-Dichloropropene	75	Compound Not Detected.					
	41 Carbon Tetrachloride	117	Compound Not Detected.					
	42 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	47 Trichloroethene	130	Compound Not Detected.					
	49 1,2-Dichloropropane	63	Compound Not Detected.					
	50 Dibromomethane	93	Compound Not Detected.					
	53 Bromodichloromethane	83	Compound Not Detected.					
	57 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	58 4-Methyl-2-Pentanone	43	Compound Not Detected.					
	60 Toluene	91	Compound Not Detected.					
	61 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	63 1,3-Dichloropropane	76	Compound Not Detected.					
	64 1,1,2-Trichloroethane	97	Compound Not Detected.					
	65 Tetrachloroethene	164	Compound Not Detected.					
	66 2-Hexanone	43	Compound Not Detected.					
	67 Dibromochloromethane	129	Compound Not Detected.					
	68 1,2-Dibromoethane	107	Compound Not Detected.					
	70 Chlorobenzene	112	Compound Not Detected.					
	71 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	72 Ethylbenzene	106	Compound Not Detected.					
	73 m + p-Xylene	106	Compound Not Detected.					
	74 Xylene-o	106	Compound Not Detected.					
M	75 Xylenes (total)	106	Compound Not Detected.					
	76 Styrene	104	Compound Not Detected.					
	77 Bromoform	173	Compound Not Detected.					
	78 Isopropylbenzene	105	Compound Not Detected.					
	83 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	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\T6082712d.b\60827013.D
Lab Smp Id: 180-13537-N-2
Inj Date : 27-AUG-2012 14:43
Operator : 001562 Inst ID: hp6.i
Smp Info : 180-13537-N-2
Misc Info : T6082712d.b,T8260bllw.m,1-dox.sub
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6082712d.b\T8260bllw.m
Meth Date : 27-Aug-2012 13:42 fergusond Quant Type: ISTD
Cal Date : 30-JUL-2012 07:43 Cal File: 60730009.D
Als bottle: 63
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-dox.sub
Target Version: 4.14
Processing Host: PITPC-002

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

ISTD	RT	AREA	AMOUNT
* 46 Fluorobenzene (IS)	7.349	893296	50.000

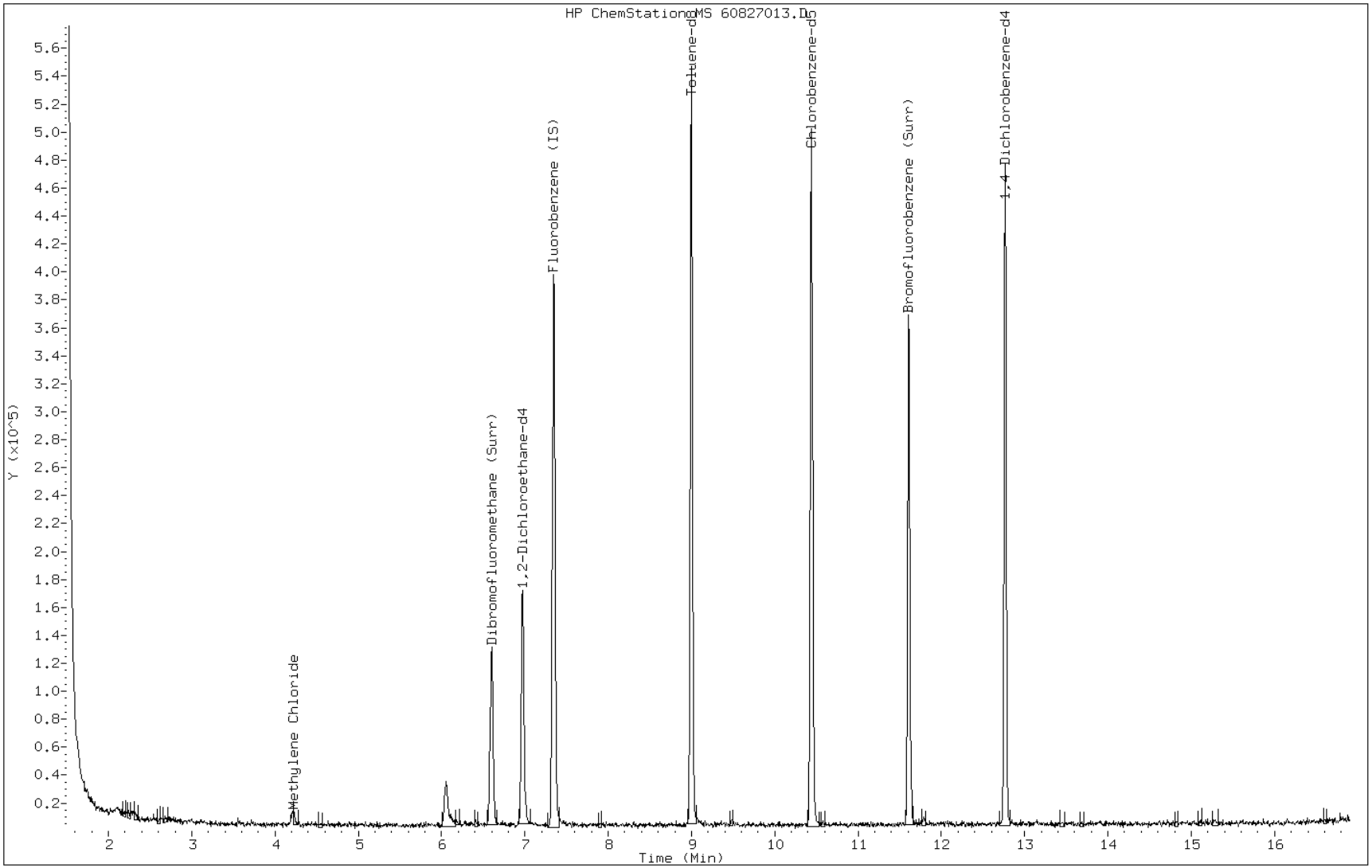
	CONCENTRATIONS				QUANT		
RT	AREA	ON-COL(ng)	FINAL(ng)	QUAL	LIBRARY	LIB ENTRY	CPND #
Silanol, trimethyl-					CAS #: 1066-40-6		
6.054	112427	6.29283138	6.293	78	Nist98.l	115532	46

Data File: 60827013.D

Date: 27-AUG-2012 14:43

Client ID: Instrument: hp6.i

Sample Info: 180-13537-N-2 Operator: 001562



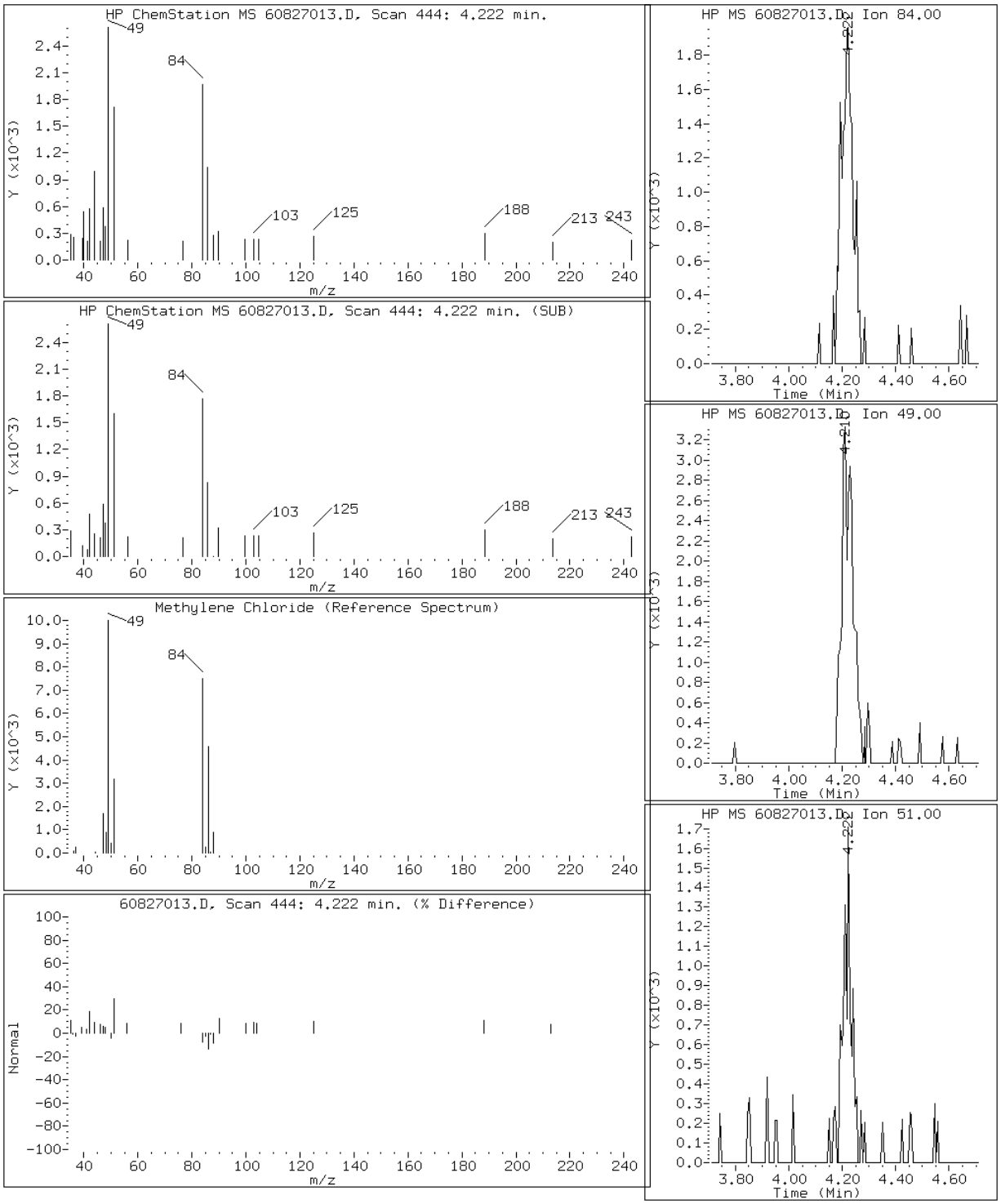
Data File: 60827013.D

Date: 27-AUG-2012 14:43

Client ID: Instrument: hp6.i

Sample Info: 180-13537-N-2 Operator: 001562

18 Methylene Chloride



Data File: 60827013.D

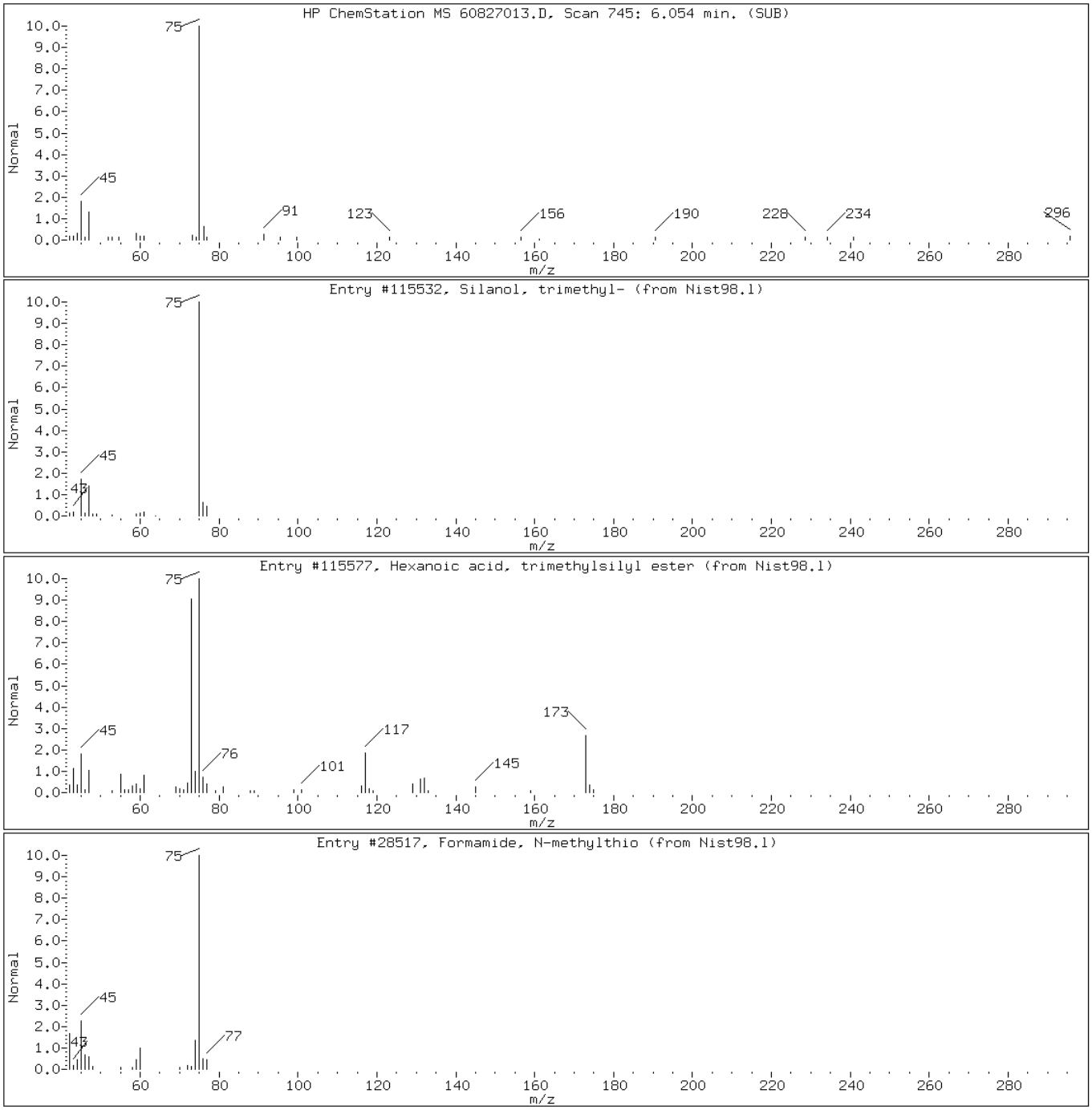
Date: 27-AUG-2012 14:43

Client ID: Instrument: hp6.i

Sample Info: 180-13537-N-2 Operator: 001562

Retention Time: 6.05

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Silanol, trimethyl-	1066-40-6	Nist98.l	115532	78	C3H10OSi	90
Hexanoic acid, trimethylsilyl este	14246-15-2	Nist98.l	115577	64	C9H20O2Si	188
Formamide, N-methylthio	1000196-87-7	Nist98.l	28517	50	C2H5NS	75



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-13537-1

SDG No.:

Client Sample ID: MW-107 | Lab Sample ID: 180-13537-3

Matrix: Water | Lab File ID: 60827014.D

Analysis Method: 8260B | Date Collected: 08/16/2012 09:00

Sample wt/vol: 5(mL) | Date Analyzed: 08/27/2012 15:07

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.: 46427 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	2.8	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	0.37	J B	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.: 180-13537-1

SDG No.:

Client Sample ID: MW-107 | Lab Sample ID: 180-13537-3

Matrix: Water | Lab File ID: 60827014.D

Analysis Method: 8260B | Date Collected: 08/16/2012 09:00

Sample wt/vol: 5(mL) | Date Analyzed: 08/27/2012 15:07

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.: 46427 | 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)	113		64-135
2037-26-5	Toluene-d8 (Surr)	97		71-118
460-00-4	4-Bromofluorobenzene (Surr)	96		70-118
1868-53-7	Dibromofluoromethane (Surr)	111		70-128

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

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Client Sample ID: MW-107 Lab Sample ID: 180-13537-3

Matrix: Water Lab File ID: 60827014.D

Analysis Method: 8260B Date Collected: 08/16/2012 09:00

Sample wt/vol: 5(mL) Date Analyzed: 08/27/2012 15:07

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.: 46427 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\T6082712d.b\60827014.D
Lab Smp Id: 180-13537-L-3
Inj Date : 27-AUG-2012 15:07
Operator : 001562 Inst ID: hp6.i
Smp Info : 180-13537-L-3
Misc Info : T6082712d.b,T8260bllw.m,1-dox.sub
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6082712d.b\T8260bllw.m
Meth Date : 28-Aug-2012 07:06 fergusond Quant Type: ISTD
Cal Date : 30-JUL-2012 07:43 Cal File: 60730009.D
Als bottle: 64
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-dox.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	7.344	7.342	(1.000)	372257	50.0000	
* 69 Chlorobenzene-d5	119	10.441	10.439	(1.000)	86544	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.764	12.769	(1.000)	128504	50.0000	
$ 39 Dibromofluoromethane (Surr)	113	6.602	6.594	(0.899)	88094	55.6133	55.61
$ 43 1,2-Dichloroethane-d4	65	6.967	6.965	(0.949)	142336	56.4115	56.41
$ 59 Toluene-d8	98	8.999	8.997	(0.862)	353911	48.5560	48.56
$ 80 Bromofluorobenzene (Surr)	95	11.609	11.607	(1.112)	138612	48.0460	48.04
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
10 1,1,2-trichloro-1,2,2-trifluor	101	Compound Not Detected.					
12 1,1-Dichloroethene	96	Compound Not Detected.					
15 Carbon Disulfide	76	Compound Not Detected.					
13 Acetone	43	3.572	3.546	(0.486)	11507	13.8068	13.81(M)
18 Methylene Chloride	84	4.223	4.209	(0.575)	4282	1.83378	1.834(QM)
19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
20 Methyl tert-butyl ether	73	Compound Not Detected.					
24 1,1-Dichloroethane	63	Compound Not Detected.					
27 2,2-Dichloropropane	77	Compound Not Detected.					
28 cis-1,2-dichloroethene	96	Compound Not Detected.					
M 29 1,2-Dichloroethene (total)	96	Compound Not Detected.					
30 Bromochloromethane	128	Compound Not Detected.					
31 2-Butanone	43	Compound Not Detected.					
37 Chloroform	83	Compound Not Detected.					
38 1,1,1-Trichloroethane	97	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ng)
40 1,1-Dichloropropene	75	Compound Not Detected.					
41 Carbon Tetrachloride	117	Compound Not Detected.					
42 Benzene	78	Compound Not Detected.					
45 1,2-Dichloroethane	62	Compound Not Detected.					
47 Trichloroethene	130	Compound Not Detected.					
49 1,2-Dichloropropane	63	Compound Not Detected.					
50 Dibromomethane	93	Compound Not Detected.					
53 Bromodichloromethane	83	Compound Not Detected.					
57 cis-1,3-Dichloropropene	75	Compound Not Detected.					
58 4-Methyl-2-Pentanone	43	Compound Not Detected.					
60 Toluene	91	Compound Not Detected.					
61 trans-1,3-Dichloropropene	75	Compound Not Detected.					
63 1,3-Dichloropropane	76	Compound Not Detected.					
64 1,1,2-Trichloroethane	97	Compound Not Detected.					
65 Tetrachloroethene	164	Compound Not Detected.					
66 2-Hexanone	43	Compound Not Detected.					
67 Dibromochloromethane	129	Compound Not Detected.					
68 1,2-Dibromoethane	107	Compound Not Detected.					
70 Chlorobenzene	112	Compound Not Detected.					
71 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
72 Ethylbenzene	106	Compound Not Detected.					
73 m + p-Xylene	106	Compound Not Detected.					
74 Xylene-o	106	Compound Not Detected.					
M 75 Xylenes (total)	106	Compound Not Detected.					
76 Styrene	104	Compound Not Detected.					
77 Bromoform	173	Compound Not Detected.					
78 Isopropylbenzene	105	Compound Not Detected.					
83 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
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\T6082712d.b\60827014.D
Lab Smp Id: 180-13537-L-3
Inj Date : 27-AUG-2012 15:07
Operator : 001562 Inst ID: hp6.i
Smp Info : 180-13537-L-3
Misc Info : T6082712d.b,T8260bllw.m,1-dox.sub
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6082712d.b\T8260bllw.m
Meth Date : 28-Aug-2012 07:06 fergusond Quant Type: ISTD
Cal Date : 30-JUL-2012 07:43 Cal File: 60730009.D
Als bottle: 64
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-dox.sub
Target Version: 4.14
Processing Host: PITPC-002

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: 60827014.D

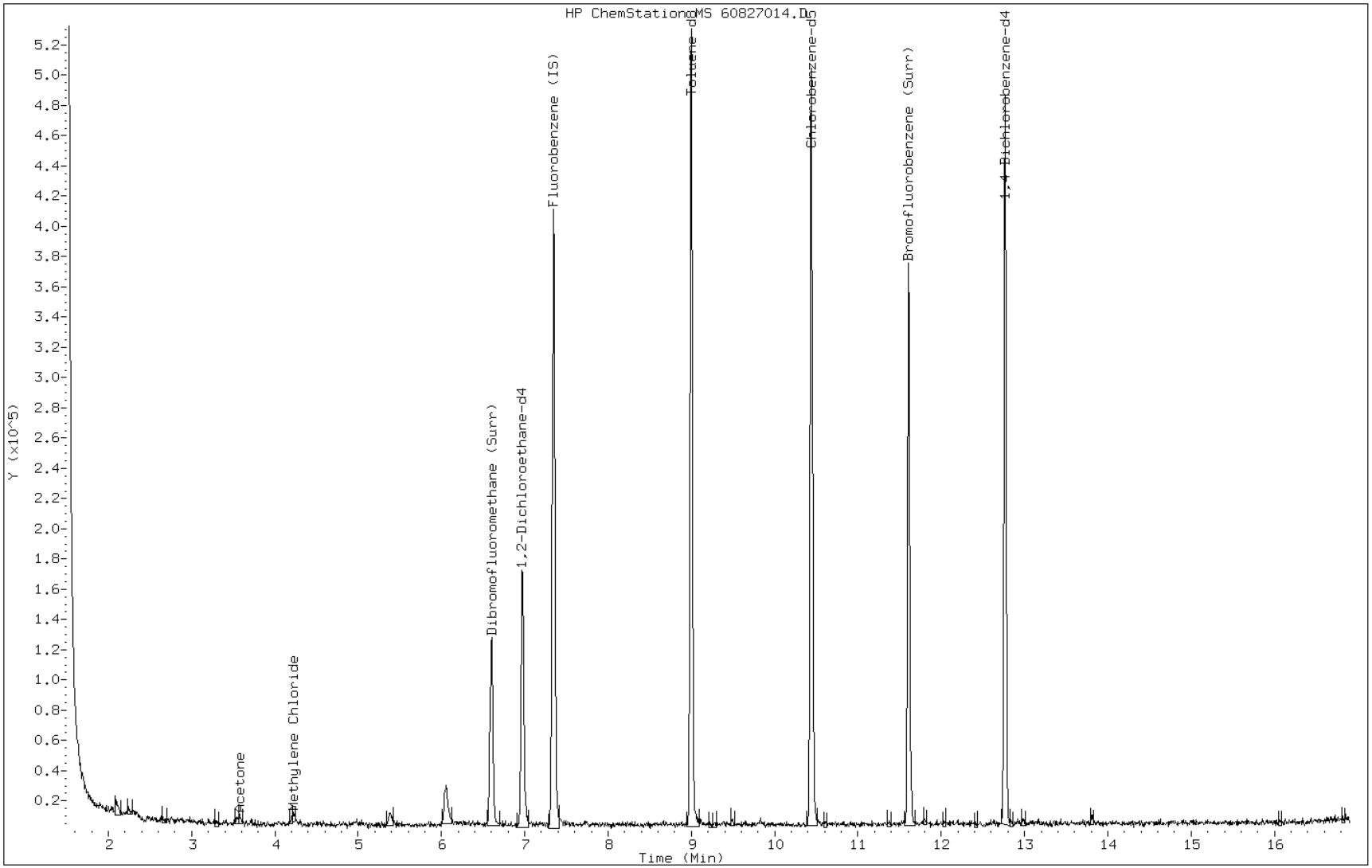
Date: 27-AUG-2012 15:07

Client ID:

Instrument: hp6.i

Sample Info: 180-13537-L-3

Operator: 001562



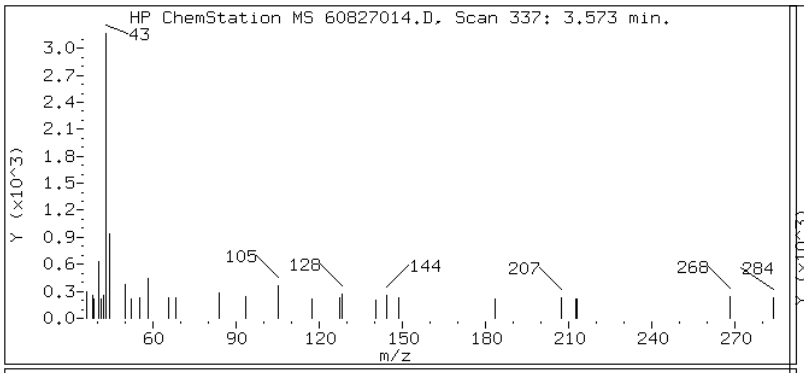
Data File: 60827014.D

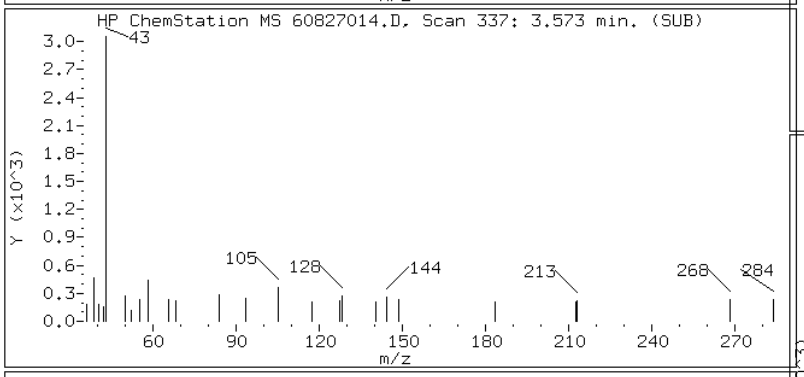
Date: 27-AUG-2012 15:07

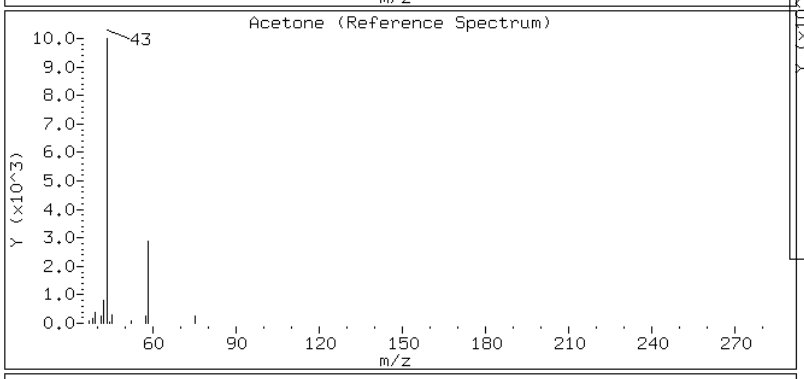
Client ID: Instrument: hp6.i

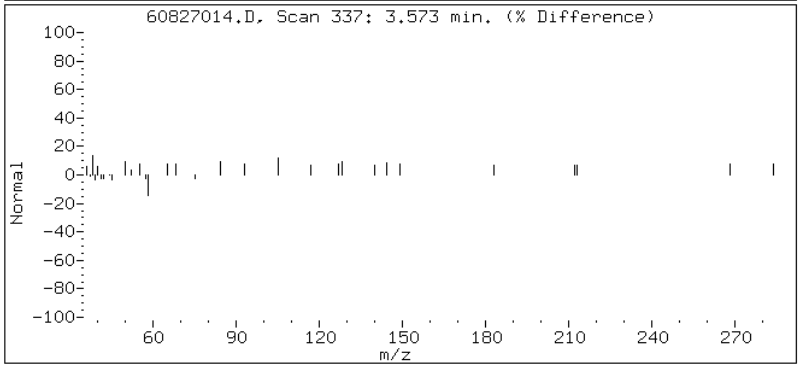
Sample Info: 180-13537-L-3 Operator: 001562

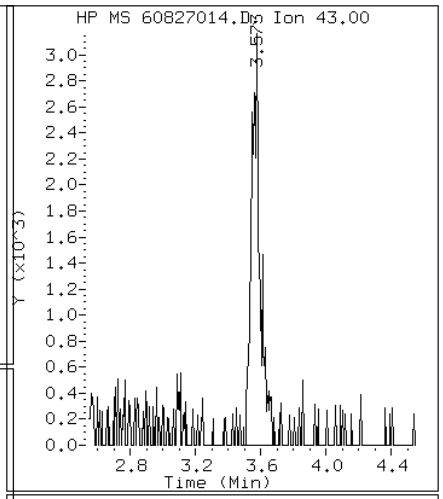
13 Acetone

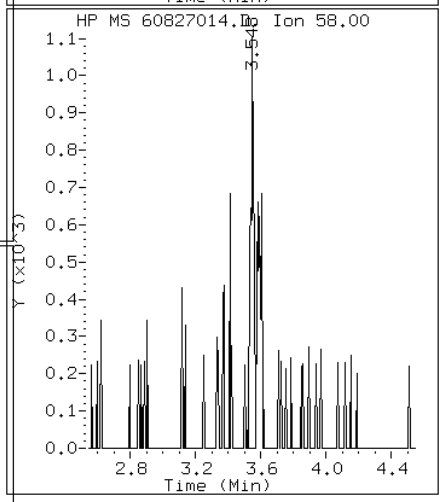












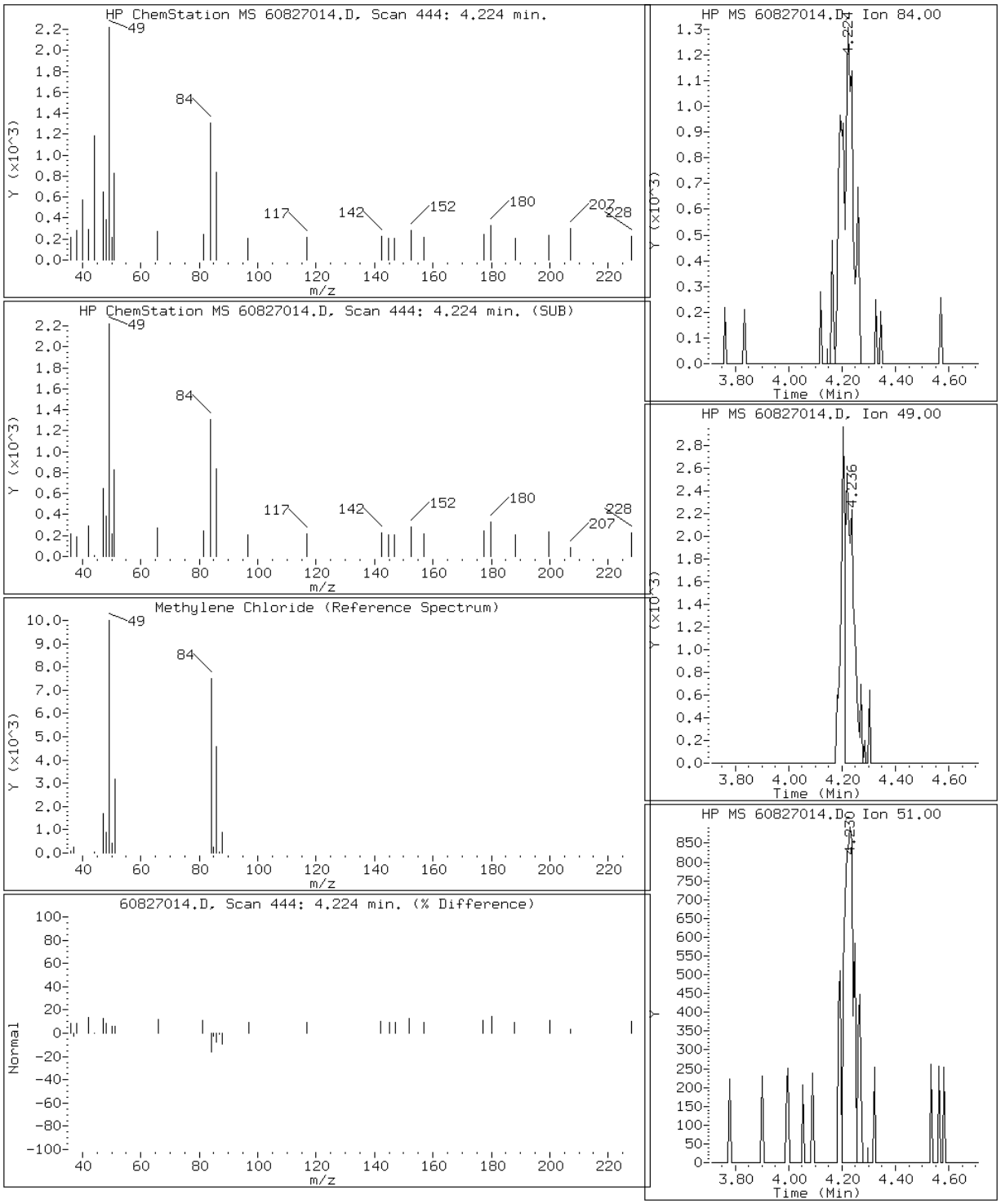
Data File: 60827014.D

Date: 27-AUG-2012 15:07

Client ID: Instrument: hp6.i

Sample Info: 180-13537-L-3 Operator: 001562

18 Methylene Chloride



Manual Integration Report

Data File: 60827014.D
Inj. Date and Time: 27-AUG-2012 15:07
Instrument ID: hp6.i
Client ID:
Compound: 13 Acetone
CAS #: 67-64-1
Report Date: 08/28/2012

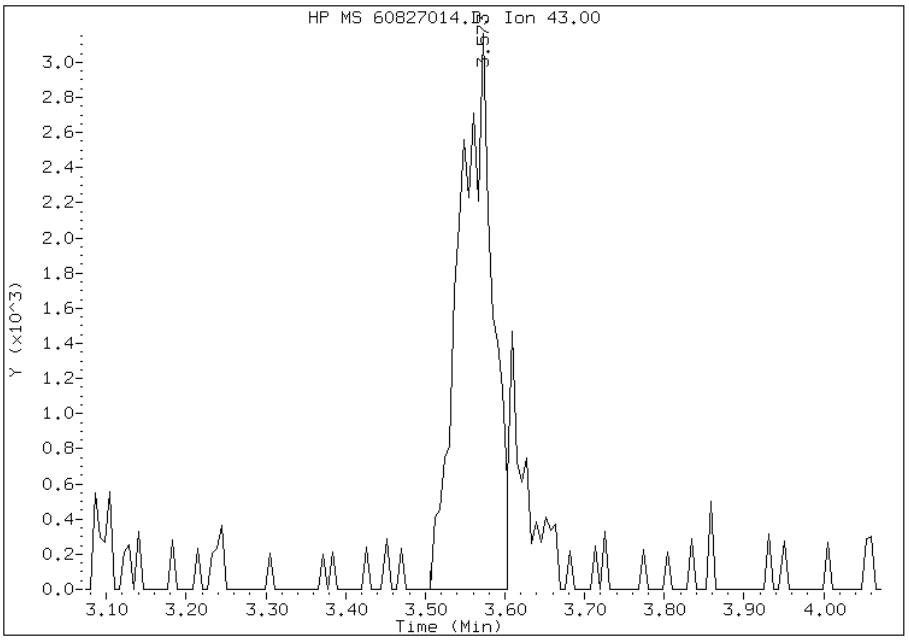
Processing Integration Results

RT: 3.57

Response: 9468

Amount: 11

Conc: 11



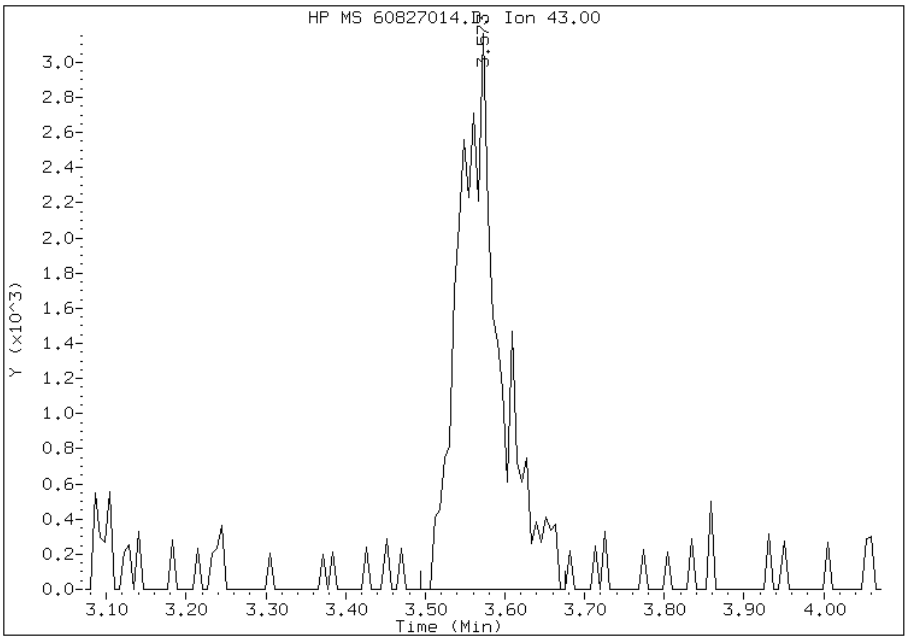
Manual Integration Results

RT: 3.57

Response: 11507

Amount: 14

Conc: 14



Manually Integrated By: fergusond
Modification Date: 28-Aug-2012 07:23
Manual Integration Reason: Peak Integrated Incorrectly

Manual Integration Report

Data File: 60827014.D
Inj. Date and Time: 27-AUG-2012 15:07
Instrument ID: hp6.i
Client ID:
Compound: 18 Methylene Chloride
CAS #: 75-09-2
Report Date: 08/28/2012

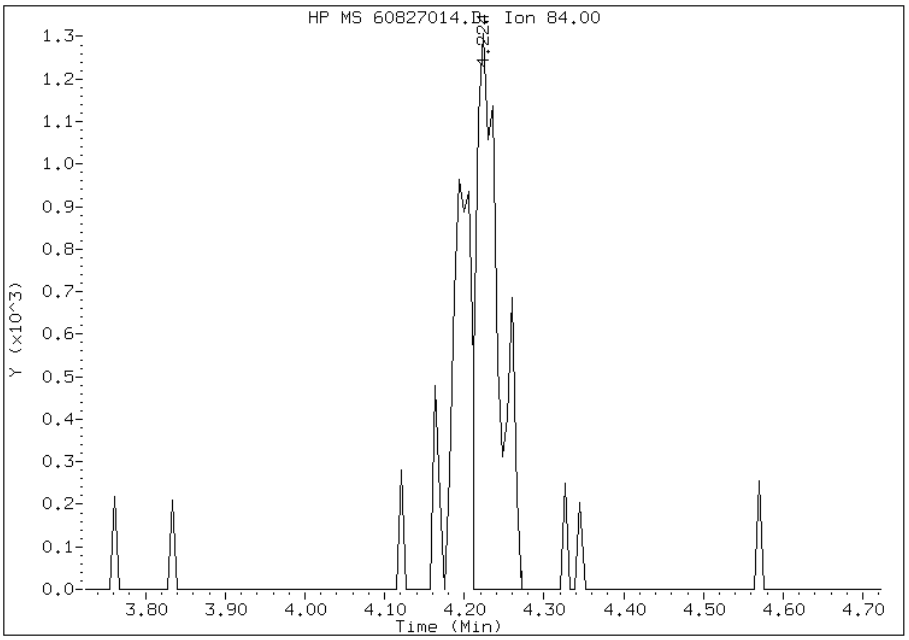
Processing Integration Results

RT: 4.22

Response: 2658

Amount: 1

Conc: 1



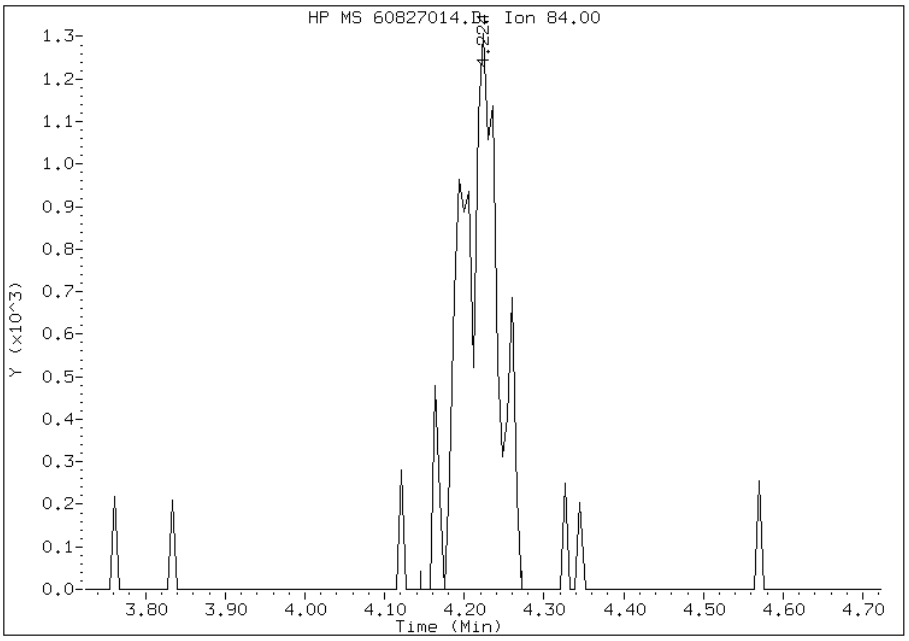
Manual Integration Results

RT: 4.22

Response: 4282

Amount: 2

Conc: 2



Manually Integrated By: fergusond
Modification Date: 28-Aug-2012 07:23
Manual Integration Reason: Peak Integrated Incorrectly

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-13537-1

SDG No.:

Client Sample ID: MW-113 | Lab Sample ID: 180-13537-4

Matrix: Water | Lab File ID: 60827015.D

Analysis Method: 8260B | Date Collected: 08/16/2012 09:30

Sample wt/vol: 5(mL) | Date Analyzed: 08/27/2012 15:31

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.: 46427 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	2.5	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	0.39	J B	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.: 180-13537-1

SDG No.:

Client Sample ID: MW-113 | Lab Sample ID: 180-13537-4

Matrix: Water | Lab File ID: 60827015.D

Analysis Method: 8260B | Date Collected: 08/16/2012 09:30

Sample wt/vol: 5(mL) | Date Analyzed: 08/27/2012 15:31

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.: 46427 | 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)	113		64-135
2037-26-5	Toluene-d8 (Surr)	101		71-118
460-00-4	4-Bromofluorobenzene (Surr)	93		70-118
1868-53-7	Dibromofluoromethane (Surr)	112		70-128

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

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Client Sample ID: MW-113 Lab Sample ID: 180-13537-4

Matrix: Water Lab File ID: 60827015.D

Analysis Method: 8260B Date Collected: 08/16/2012 09:30

Sample wt/vol: 5(mL) Date Analyzed: 08/27/2012 15:31

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.: 46427 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\T6082712d.b\60827015.D
Lab Smp Id: 180-13537-M-4
Inj Date : 27-AUG-2012 15:31
Operator : 001562 Inst ID: hp6.i
Smp Info : 180-13537-M-4
Misc Info : T6082712d.b,T8260bllw.m,1-dox.sub
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6082712d.b\T8260bllw.m
Meth Date : 28-Aug-2012 07:06 fergusond Quant Type: ISTD
Cal Date : 30-JUL-2012 07:43 Cal File: 60730009.D
Als bottle: 65
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-dox.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	7.345	7.342	(1.000)	374812	50.0000	
* 69 Chlorobenzene-d5	119	10.441	10.439	(1.000)	88479	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.771	12.769	(1.000)	134324	50.0000	
$ 39 Dibromofluoromethane (Surr)	113	6.596	6.594	(0.898)	88924	55.7546	55.75
$ 43 1,2-Dichloroethane-d4	65	6.968	6.965	(0.949)	143569	56.5123	56.51
$ 59 Toluene-d8	98	8.999	8.997	(0.862)	376853	50.5728	50.57
$ 80 Bromofluorobenzene (Surr)	95	11.609	11.607	(1.112)	137600	46.6521	46.65
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
10 1,1,2-trichloro-1,2,2-trifluor	101	Compound Not Detected.					
12 1,1-Dichloroethene	96	Compound Not Detected.					
15 Carbon Disulfide	76	Compound Not Detected.					
13 Acetone	43	3.573	3.546	(0.487)	10580	12.6080	12.61
18 Methylene Chloride	84	4.224	4.209	(0.575)	4599	1.95611	1.956
19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
20 Methyl tert-butyl ether	73	Compound Not Detected.					
24 1,1-Dichloroethane	63	Compound Not Detected.					
27 2,2-Dichloropropane	77	Compound Not Detected.					
28 cis-1,2-dichloroethene	96	Compound Not Detected.					
M 29 1,2-Dichloroethene (total)	96	Compound Not Detected.					
30 Bromochloromethane	128	Compound Not Detected.					
31 2-Butanone	43	Compound Not Detected.					
37 Chloroform	83	Compound Not Detected.					
38 1,1,1-Trichloroethane	97	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ng)
	40 1,1-Dichloropropene	75	Compound Not Detected.					
	41 Carbon Tetrachloride	117	Compound Not Detected.					
	42 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	47 Trichloroethene	130	Compound Not Detected.					
	49 1,2-Dichloropropane	63	Compound Not Detected.					
	50 Dibromomethane	93	Compound Not Detected.					
	53 Bromodichloromethane	83	Compound Not Detected.					
	57 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	58 4-Methyl-2-Pentanone	43	Compound Not Detected.					
	60 Toluene	91	Compound Not Detected.					
	61 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	63 1,3-Dichloropropane	76	Compound Not Detected.					
	64 1,1,2-Trichloroethane	97	Compound Not Detected.					
	65 Tetrachloroethene	164	Compound Not Detected.					
	66 2-Hexanone	43	Compound Not Detected.					
	67 Dibromochloromethane	129	Compound Not Detected.					
	68 1,2-Dibromoethane	107	Compound Not Detected.					
	70 Chlorobenzene	112	Compound Not Detected.					
	71 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	72 Ethylbenzene	106	Compound Not Detected.					
	73 m + p-Xylene	106	Compound Not Detected.					
	74 Xylene-o	106	Compound Not Detected.					
M	75 Xylenes (total)	106	Compound Not Detected.					
	76 Styrene	104	Compound Not Detected.					
	77 Bromoform	173	Compound Not Detected.					
	78 Isopropylbenzene	105	Compound Not Detected.					
	83 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	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\T6082712d.b\60827015.D
Lab Smp Id: 180-13537-M-4
Inj Date : 27-AUG-2012 15:31
Operator : 001562 Inst ID: hp6.i
Smp Info : 180-13537-M-4
Misc Info : T6082712d.b,T8260bllw.m,1-dox.sub
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6082712d.b\T8260bllw.m
Meth Date : 28-Aug-2012 07:06 fergusond Quant Type: ISTD
Cal Date : 30-JUL-2012 07:43 Cal File: 60730009.D
Als bottle: 65
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-dox.sub
Target Version: 4.14
Processing Host: PITPC-002

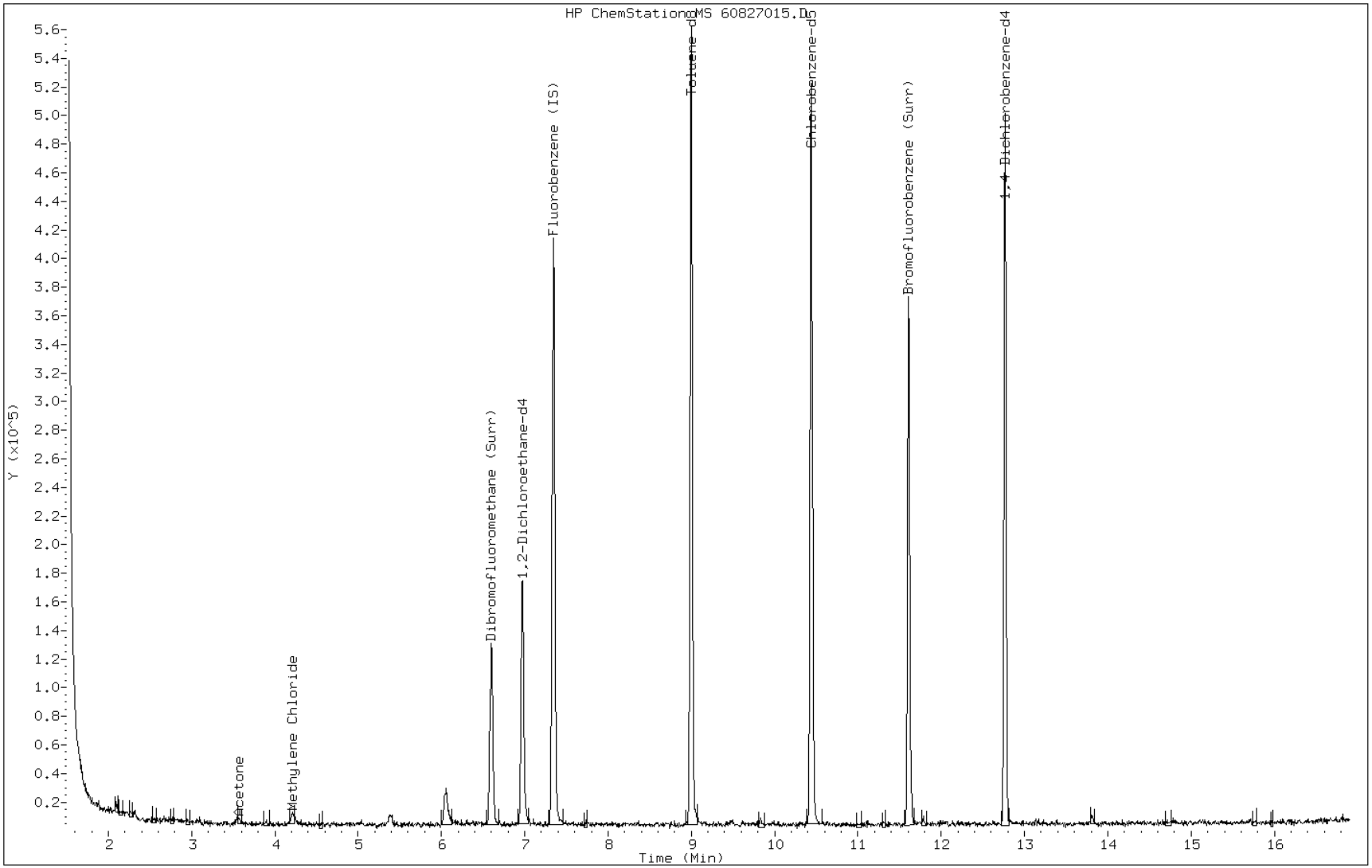
- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: 60827015.D

Date: 27-AUG-2012 15:31

Client ID: Instrument: hp6.i

Sample Info: 180-13537-M-4 Operator: 001562



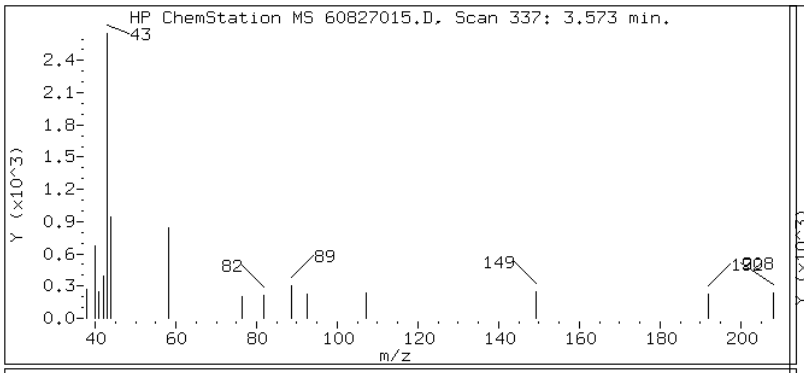
Data File: 60827015.D

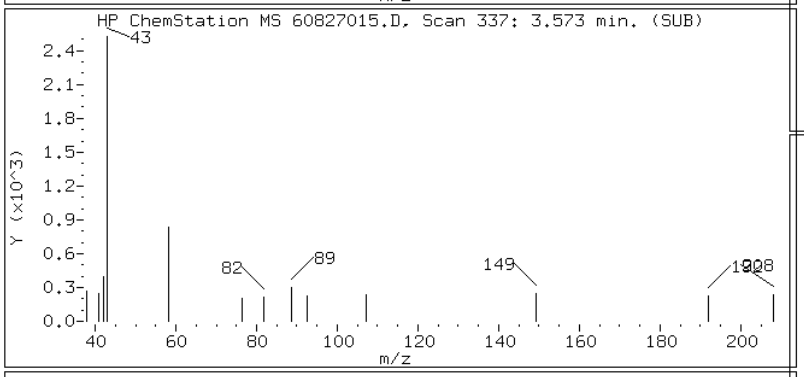
Date: 27-AUG-2012 15:31

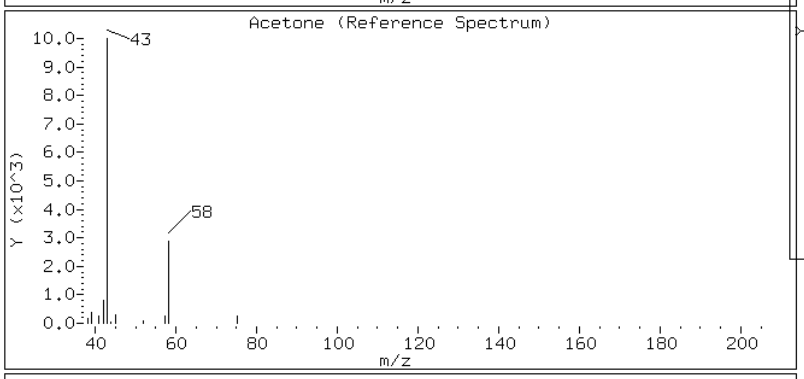
Client ID: Instrument: hp6.i

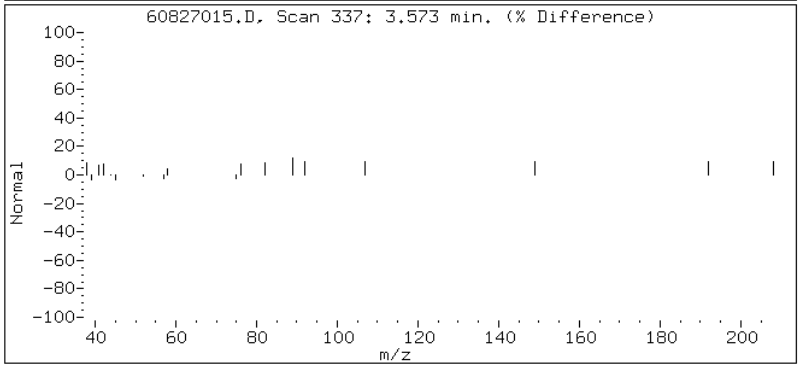
Sample Info: 180-13537-M-4 Operator: 001562

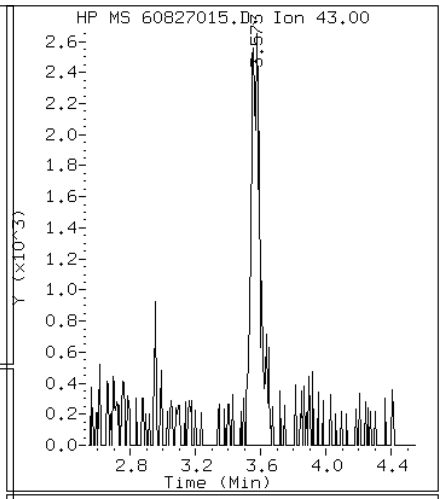
13 Acetone

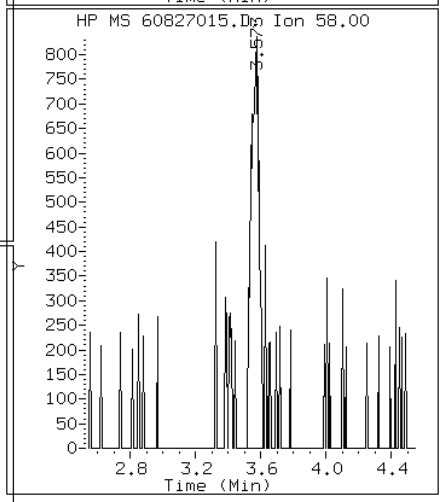












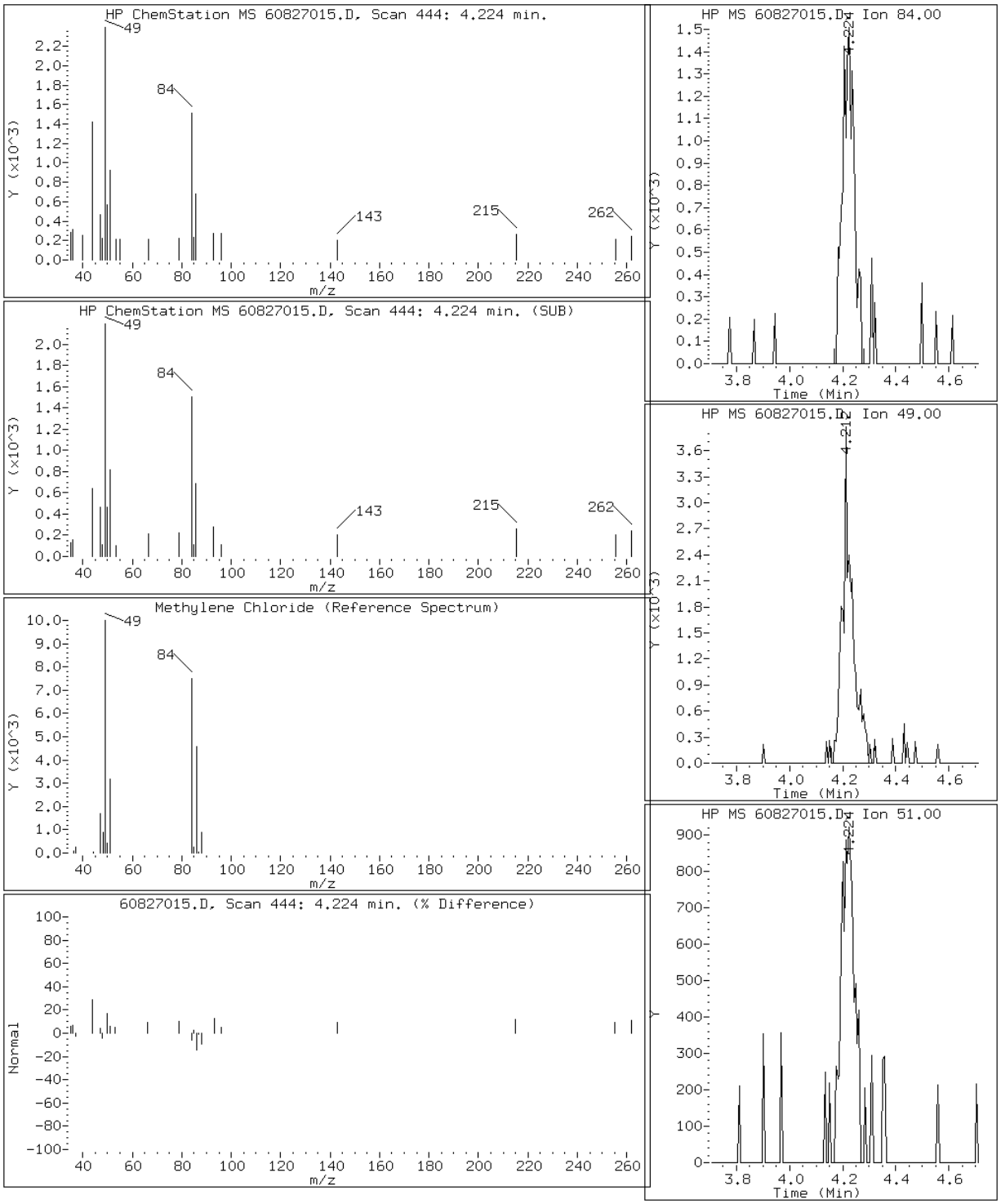
Data File: 60827015.D

Date: 27-AUG-2012 15:31

Client ID: Instrument: hp6.i

Sample Info: 180-13537-M-4 Operator: 001562

18 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-13537-1

SDG No.:

Client Sample ID: MW-110 | Lab Sample ID: 180-13537-5

Matrix: Water | Lab File ID: 60827017.D

Analysis Method: 8260B | Date Collected: 08/16/2012 11:40

Sample wt/vol: 5(mL) | Date Analyzed: 08/27/2012 16:19

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.: 46427 | 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	0.24	J B	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.: 180-13537-1

SDG No.:

Client Sample ID: MW-110 | Lab Sample ID: 180-13537-5

Matrix: Water | Lab File ID: 60827017.D

Analysis Method: 8260B | Date Collected: 08/16/2012 11:40

Sample wt/vol: 5(mL) | Date Analyzed: 08/27/2012 16:19

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.: 46427 | 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)	112		64-135
2037-26-5	Toluene-d8 (Surr)	101		71-118
460-00-4	4-Bromofluorobenzene (Surr)	99		70-118
1868-53-7	Dibromofluoromethane (Surr)	116		70-128

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

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Client Sample ID: MW-110 Lab Sample ID: 180-13537-5

Matrix: Water Lab File ID: 60827017.D

Analysis Method: 8260B Date Collected: 08/16/2012 11:40

Sample wt/vol: 5(mL) Date Analyzed: 08/27/2012 16:19

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.: 46427 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\T6082712d.b\60827017.D
Lab Smp Id: 180-13537-N-5
Inj Date : 27-AUG-2012 16:19
Operator : 001562 Inst ID: hp6.i
Smp Info : 180-13537-N-5
Misc Info : T6082712d.b,T8260bllw.m,1-dox.sub
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6082712d.b\T8260bllw.m
Meth Date : 28-Aug-2012 07:06 fergusond Quant Type: ISTD
Cal Date : 30-JUL-2012 07:43 Cal File: 60730009.D
Als bottle: 67
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-dox.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	7.348	7.342	(1.000)	372242	50.0000	
* 69 Chlorobenzene-d5	119	10.439	10.439	(1.000)	84337	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.763	12.769	(1.000)	131164	50.0000	
$ 39 Dibromofluoromethane (Surr)	113	6.600	6.594	(0.898)	91829	57.9736	57.97
$ 43 1,2-Dichloroethane-d4	65	6.971	6.965	(0.949)	140816	55.8113	55.81
$ 59 Toluene-d8	98	8.997	8.997	(0.862)	359869	50.6654	50.66
$ 80 Bromofluorobenzene (Surr)	95	11.607	11.607	(1.112)	138764	49.3573	49.36
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
10 1,1,2-trichloro-1,2,2-trifluor	101	Compound Not Detected.					
12 1,1-Dichloroethene	96	Compound Not Detected.					
15 Carbon Disulfide	76	Compound Not Detected.					
13 Acetone	43	3.558	3.546	(0.484)	6790	8.14740	8.147
18 Methylene Chloride	84	4.228	4.209	(0.575)	2853	1.22185	1.222(QM)
19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
20 Methyl tert-butyl ether	73	Compound Not Detected.					
24 1,1-Dichloroethane	63	Compound Not Detected.					
27 2,2-Dichloropropane	77	Compound Not Detected.					
28 cis-1,2-dichloroethene	96	Compound Not Detected.					
M 29 1,2-Dichloroethene (total)	96	Compound Not Detected.					
30 Bromochloromethane	128	Compound Not Detected.					
31 2-Butanone	43	Compound Not Detected.					
37 Chloroform	83	Compound Not Detected.					
38 1,1,1-Trichloroethane	97	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ng)
	40 1,1-Dichloropropene	75	Compound Not Detected.					
	41 Carbon Tetrachloride	117	Compound Not Detected.					
	42 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	47 Trichloroethene	130	Compound Not Detected.					
	49 1,2-Dichloropropane	63	Compound Not Detected.					
	50 Dibromomethane	93	Compound Not Detected.					
	53 Bromodichloromethane	83	Compound Not Detected.					
	57 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	58 4-Methyl-2-Pentanone	43	Compound Not Detected.					
	60 Toluene	91	Compound Not Detected.					
	61 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	63 1,3-Dichloropropane	76	Compound Not Detected.					
	64 1,1,2-Trichloroethane	97	Compound Not Detected.					
	65 Tetrachloroethene	164	Compound Not Detected.					
	66 2-Hexanone	43	Compound Not Detected.					
	67 Dibromochloromethane	129	Compound Not Detected.					
	68 1,2-Dibromoethane	107	Compound Not Detected.					
	70 Chlorobenzene	112	Compound Not Detected.					
	71 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	72 Ethylbenzene	106	Compound Not Detected.					
	73 m + p-Xylene	106	Compound Not Detected.					
	74 Xylene-o	106	Compound Not Detected.					
M	75 Xylenes (total)	106	Compound Not Detected.					
	76 Styrene	104	Compound Not Detected.					
	77 Bromoform	173	Compound Not Detected.					
	78 Isopropylbenzene	105	Compound Not Detected.					
	83 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	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\T6082712d.b\60827017.D
Lab Smp Id: 180-13537-N-5
Inj Date : 27-AUG-2012 16:19
Operator : 001562 Inst ID: hp6.i
Smp Info : 180-13537-N-5
Misc Info : T6082712d.b,T8260bllw.m,1-dox.sub
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6082712d.b\T8260bllw.m
Meth Date : 28-Aug-2012 07:06 fergusond Quant Type: ISTD
Cal Date : 30-JUL-2012 07:43 Cal File: 60730009.D
Als bottle: 67
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-dox.sub
Target Version: 4.14
Processing Host: PITPC-002

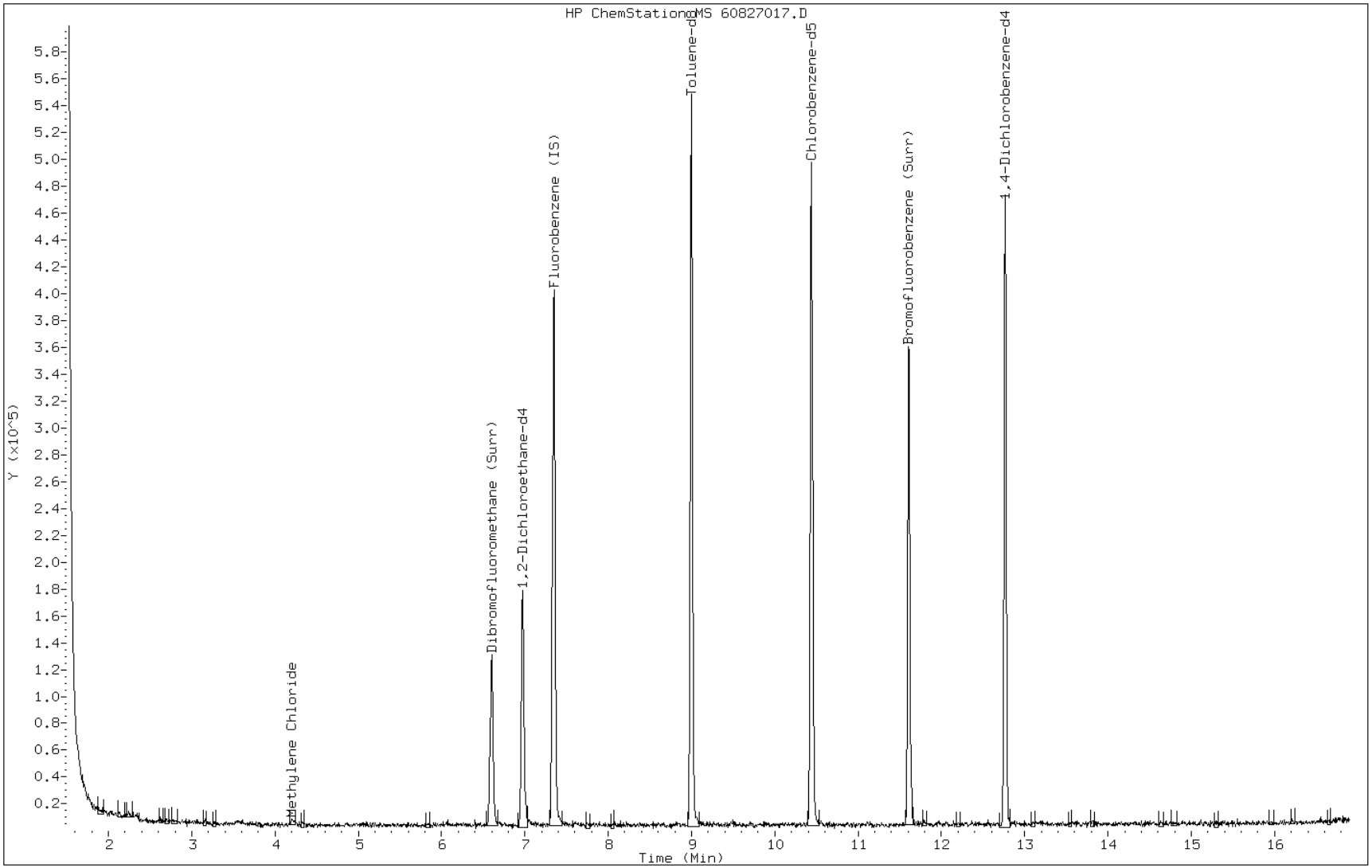
- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: 60827017.D

Date: 27-AUG-2012 16:19

Client ID: Instrument: hp6.i

Sample Info: 180-13537-N-5 Operator: 001562



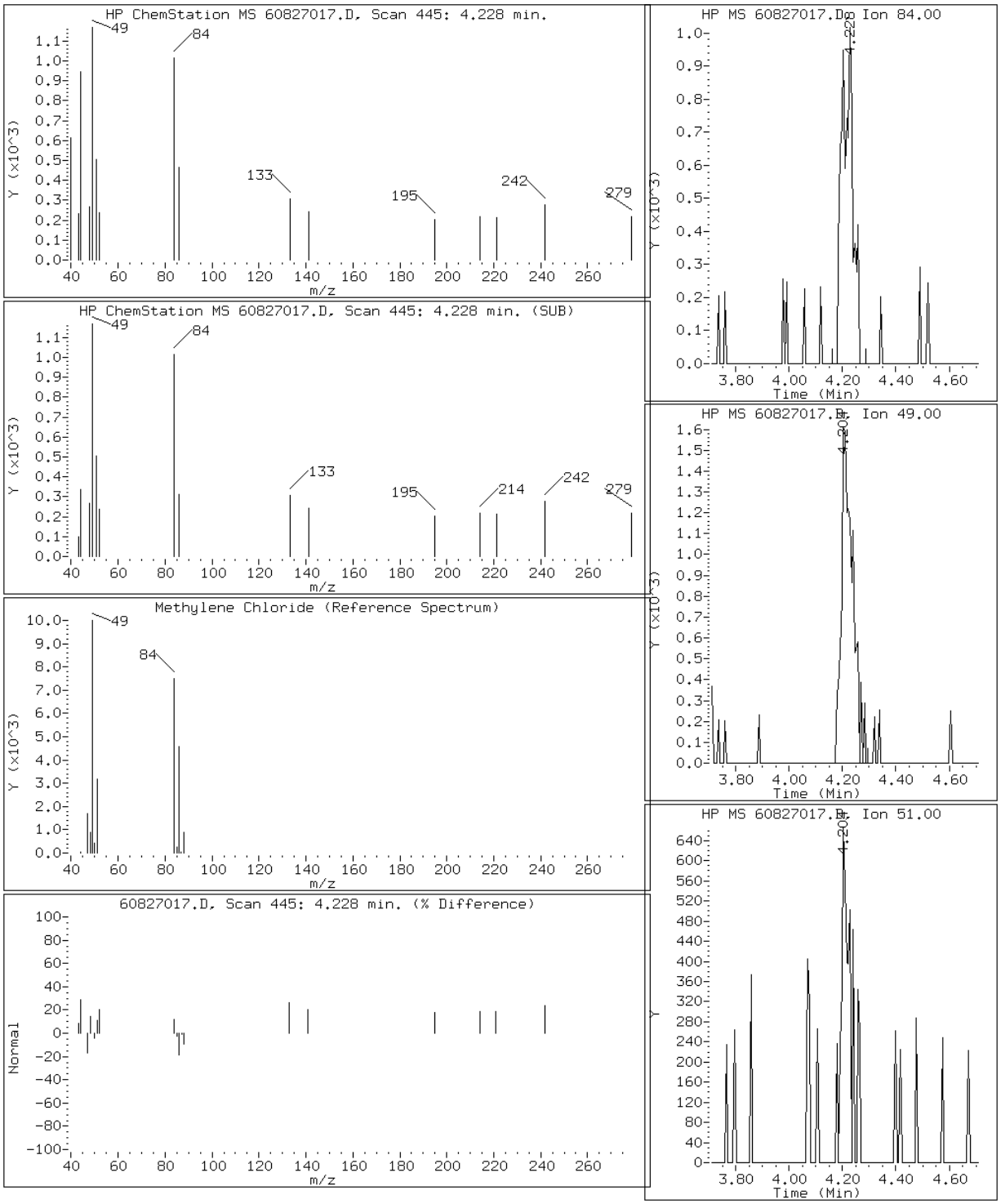
Data File: 60827017.D

Date: 27-AUG-2012 16:19

Client ID: Instrument: hp6.i

Sample Info: 180-13537-N-5 Operator: 001562

18 Methylene Chloride



Manual Integration Report

Data File: 60827017.D
Inj. Date and Time: 27-AUG-2012 16:19
Instrument ID: hp6.i
Client ID:
Compound: 18 Methylene Chloride
CAS #: 75-09-2
Report Date: 08/28/2012

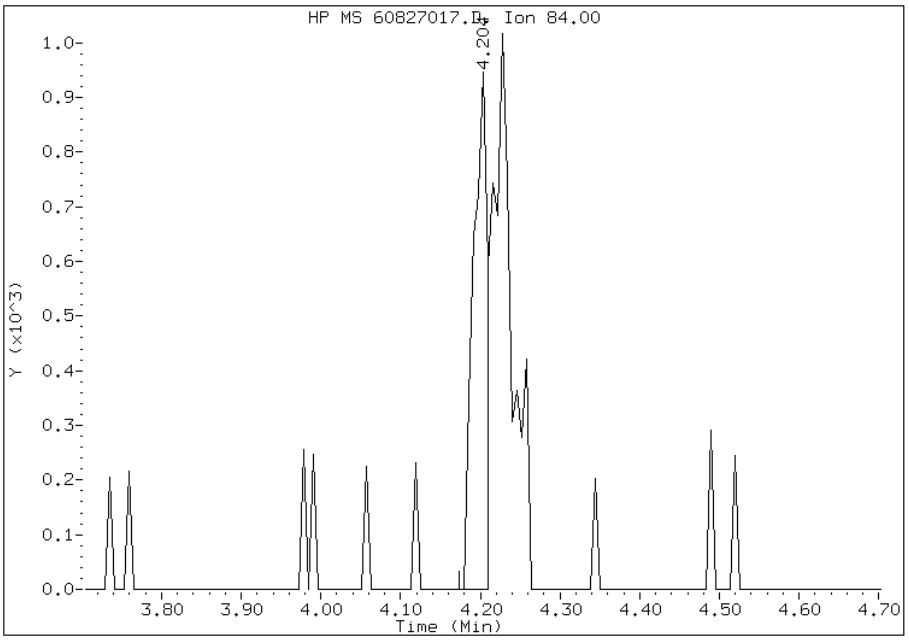
Processing Integration Results

RT: 4.20

Response: 1188

Amount: 1

Conc: 1



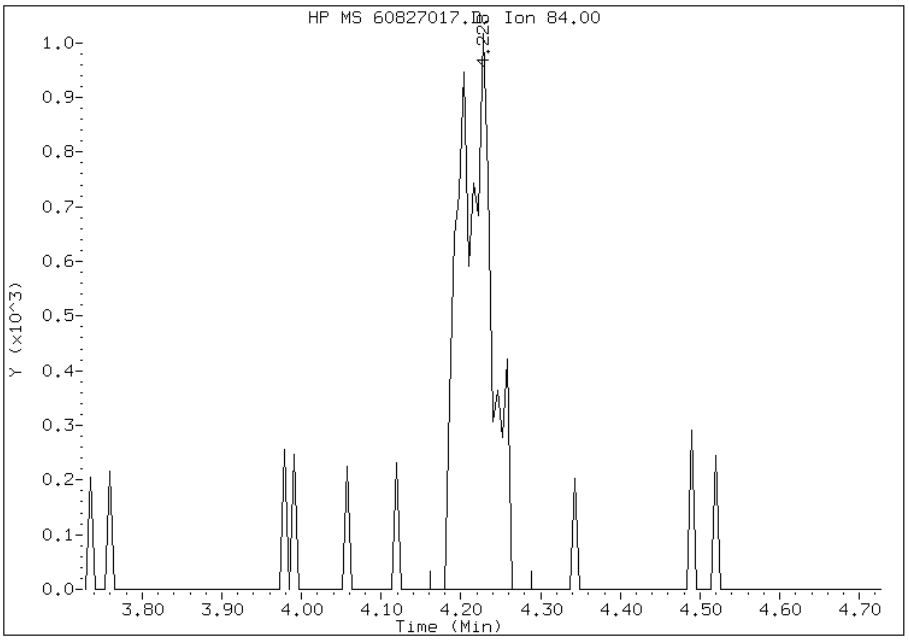
Manual Integration Results

RT: 4.23

Response: 2853

Amount: 1

Conc: 1



Manually Integrated By: fergusond
Modification Date: 28-Aug-2012 07:27
Manual Integration Reason: Peak Integrated Incorrectly

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-13537-1

SDG No.:

Client Sample ID: MW-102 | Lab Sample ID: 180-13537-6

Matrix: Water | Lab File ID: 60827018.D

Analysis Method: 8260B | Date Collected: 08/16/2012 12:00

Sample wt/vol: 5(mL) | Date Analyzed: 08/27/2012 16:43

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.: 46427 | 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	0.32	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	6.5		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	0.32	J B	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	0.25	J	1.0	0.20
79-01-6	Trichloroethene	0.15	J	1.0	0.14
75-69-4	Trichlorofluoromethane	ND		1.0	0.20
75-01-4	Vinyl chloride	ND		1.0	0.23
1330-20-7	Xylenes, Total	ND		3.0	0.49
110-82-7	Cyclohexane	ND		1.0	0.25

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-13537-1

SDG No.:

Client Sample ID: MW-102 | Lab Sample ID: 180-13537-6

Matrix: Water | Lab File ID: 60827018.D

Analysis Method: 8260B | Date Collected: 08/16/2012 12:00

Sample wt/vol: 5(mL) | Date Analyzed: 08/27/2012 16:43

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.: 46427 | 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)	100		71-118
460-00-4	4-Bromofluorobenzene (Surr)	95		70-118
1868-53-7	Dibromofluoromethane (Surr)	112		70-128

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

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Client Sample ID: MW-102 Lab Sample ID: 180-13537-6

Matrix: Water Lab File ID: 60827018.D

Analysis Method: 8260B Date Collected: 08/16/2012 12:00

Sample wt/vol: 5(mL) Date Analyzed: 08/27/2012 16:43

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.: 46427 Units: ug/L

Number TICs Found: 1 TIC Result Total: 1.3

CAS NO.	COMPOUND NAME	RT	RESULT	Q
1066-40-6	Silanol, trimethyl-	6.04	1.3	T J N

FORM I-TIC 8260B

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6082712d.b\60827018.D
Lab Smp Id: 180-13537-M-6
Inj Date : 27-AUG-2012 16:43
Operator : 001562 Inst ID: hp6.i
Smp Info : 180-13537-M-6
Misc Info : T6082712d.b,T8260bllw.m,1-dox.sub
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6082712d.b\T8260bllw.m
Meth Date : 28-Aug-2012 07:06 fergusond Quant Type: ISTD
Cal Date : 30-JUL-2012 07:43 Cal File: 60730009.D
Als bottle: 68
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-dox.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	7.343	7.342	(1.000)	379205	50.0000	
* 69 Chlorobenzene-d5	119	10.445	10.439	(1.000)	86383	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.769	12.769	(1.000)	128588	50.0000	
$ 39 Dibromofluoromethane (Surr)	113	6.595	6.594	(0.898)	90137	55.8605	55.86
$ 43 1,2-Dichloroethane-d4	65	6.966	6.965	(0.949)	152495	59.3304	59.33
$ 59 Toluene-d8	98	8.997	8.997	(0.861)	362403	49.8137	49.81
$ 80 Bromofluorobenzene (Surr)	95	11.607	11.607	(1.111)	137186	47.6403	47.64
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
10 1,1,2-trichloro-1,2,2-trifluor	101	Compound Not Detected.					
12 1,1-Dichloroethene	96	Compound Not Detected.					
15 Carbon Disulfide	76	Compound Not Detected.					
13 Acetone	43	3.577	3.546	(0.487)	5284	6.22391	6.224(M)
18 Methylene Chloride	84	4.210	4.209	(0.573)	3828	1.60931	1.609(Q)
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	6.017	6.004	(0.819)	2116	0.92512	0.9251(Q)
M 29 1,2-Dichloroethene (total)	96				2116	0.92512	0.9251
30 Bromochloromethane	128	Compound Not Detected.					
31 2-Butanone	43	Compound Not Detected.					
37 Chloroform	83	Compound Not Detected.					
38 1,1,1-Trichloroethane	97	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
	40 1,1-Dichloropropene	75	Compound Not Detected.					
	41 Carbon Tetrachloride	117	Compound Not Detected.					
	42 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	7.051	7.056	(0.960)	5436	1.58236	1.582
	47 Trichloroethene	130	7.750	7.738	(1.056)	1508	0.75444	0.7544(Q)
	49 1,2-Dichloropropane	63	7.982	7.975	(1.087)	67764	32.5544	32.55
	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	9.472	9.472	(0.907)	1908	1.23153	1.232
	65 Tetrachloroethene	164	Compound Not Detected.					
	66 2-Hexanone	43	Compound Not Detected.					
	67 Dibromochloromethane	129	Compound Not Detected.					
	68 1,2-Dibromoethane	107	Compound Not Detected.					
	70 Chlorobenzene	112	Compound Not Detected.					
	71 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	72 Ethylbenzene	106	Compound Not Detected.					
	73 m + p-Xylene	106	Compound Not Detected.					
	74 Xylene-o	106	Compound Not Detected.					
M	75 Xylenes (total)	106	Compound Not Detected.					
	76 Styrene	104	Compound Not Detected.					
	77 Bromoform	173	Compound Not Detected.					
	78 Isopropylbenzene	105	Compound Not Detected.					
	83 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	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\T6082712d.b\60827018.D
Lab Smp Id: 180-13537-M-6
Inj Date : 27-AUG-2012 16:43
Operator : 001562 Inst ID: hp6.i
Smp Info : 180-13537-M-6
Misc Info : T6082712d.b,T8260bllw.m,1-dox.sub
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6082712d.b\T8260bllw.m
Meth Date : 28-Aug-2012 07:06 fergusond Quant Type: ISTD
Cal Date : 30-JUL-2012 07:43 Cal File: 60730009.D
Als bottle: 68
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-dox.sub
Target Version: 4.14
Processing Host: PITPC-002

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

ISTD	RT	AREA	AMOUNT
* 46 Fluorobenzene (IS)	7.343	896303	50.000

	CONCENTRATIONS				QUANT		
RT	AREA	ON-COL(ng)	FINAL(ng)	QUAL	LIBRARY	LIB ENTRY	CPND #
Silanol, trimethyl-					CAS #: 1066-40-6		
6.041	115944	6.46788496	6.468	78	Nist98.l	115533	46

Data File: 60827018.D

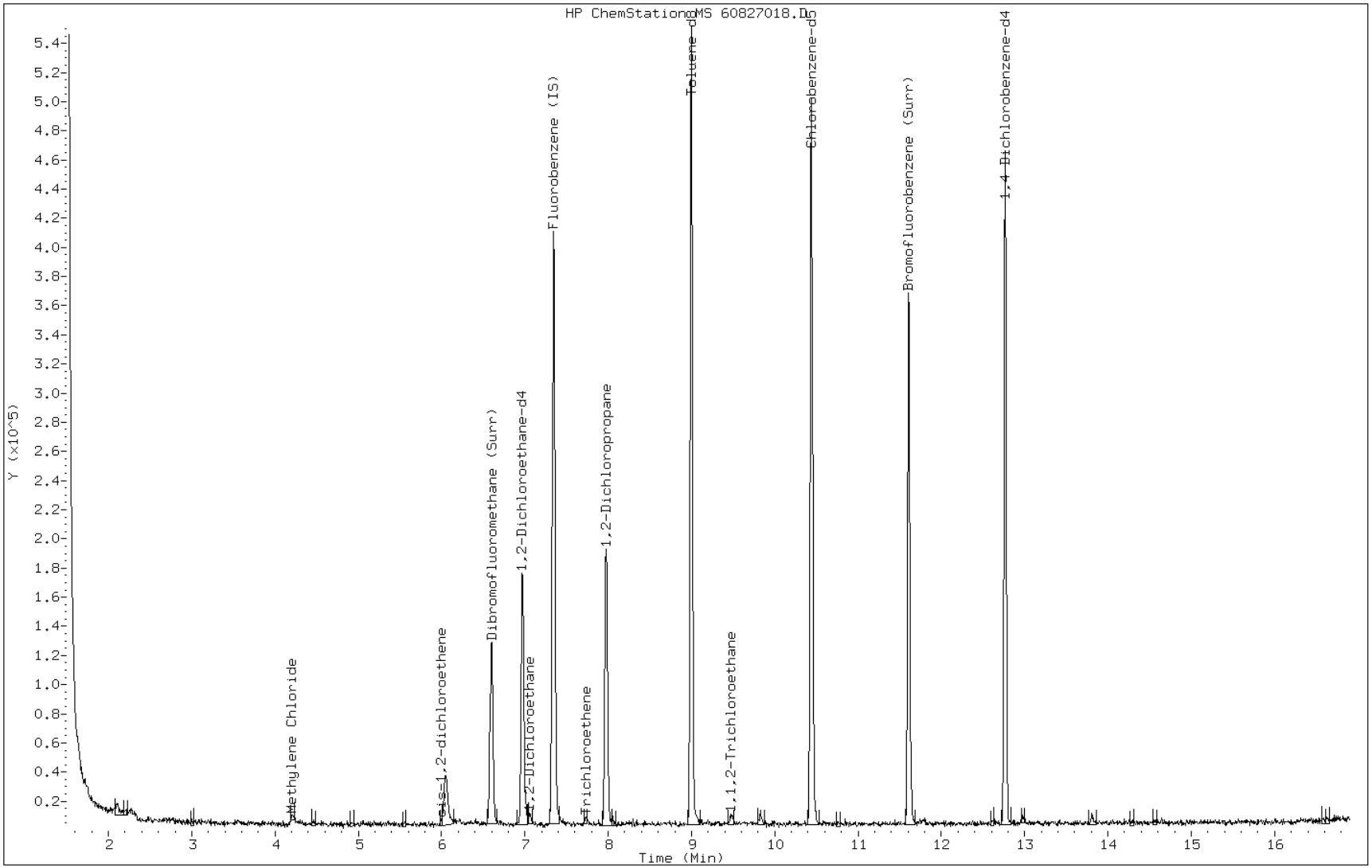
Date: 27-AUG-2012 16:43

Client ID:

Instrument: hp6.i

Sample Info: 180-13537-M-6

Operator: 001562



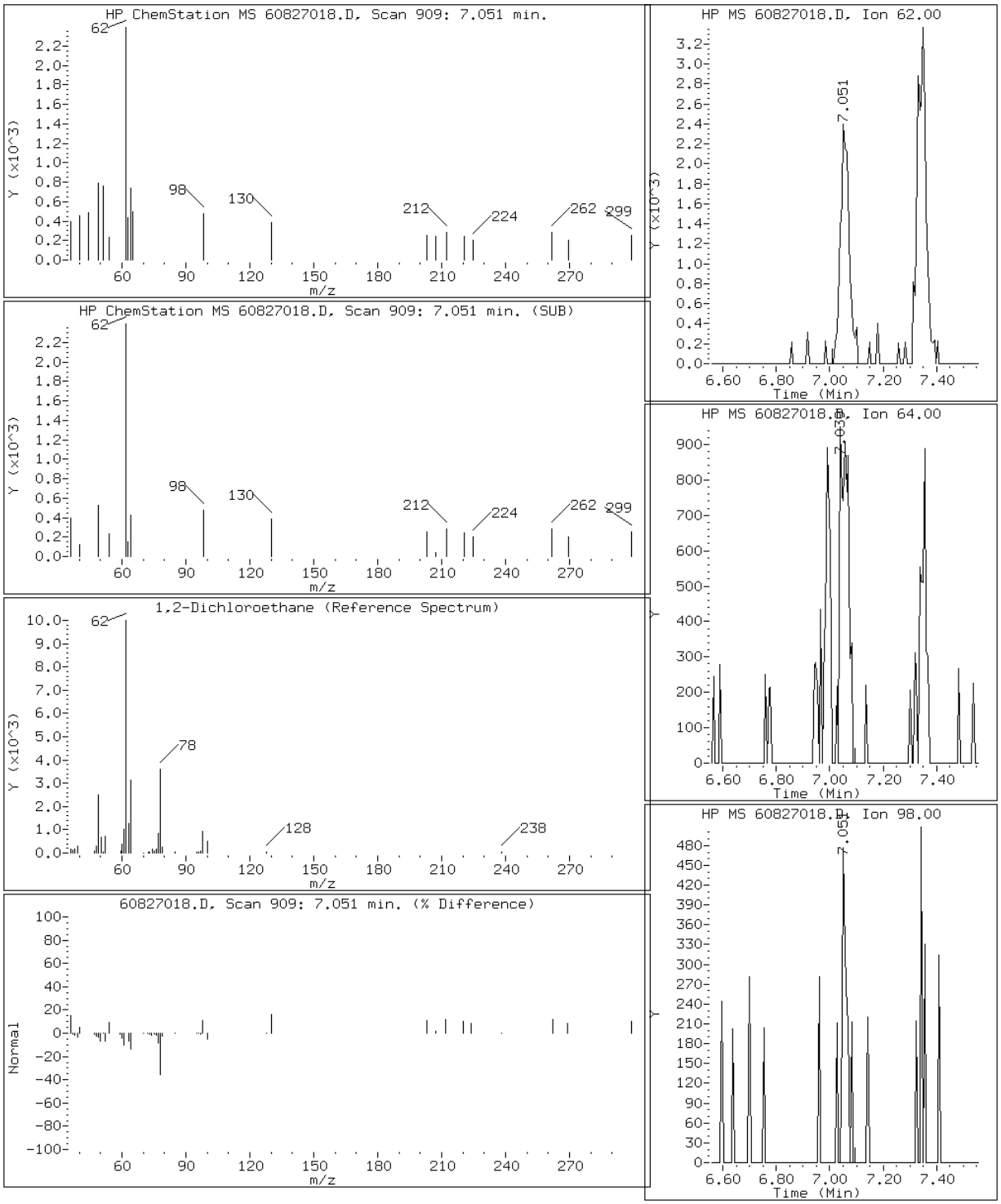
Data File: 60827018.D

Date: 27-AUG-2012 16:43

Client ID: Instrument: hp6.i

Sample Info: 180-13537-M-6 Operator: 001562

45 1,2-Dichloroethane



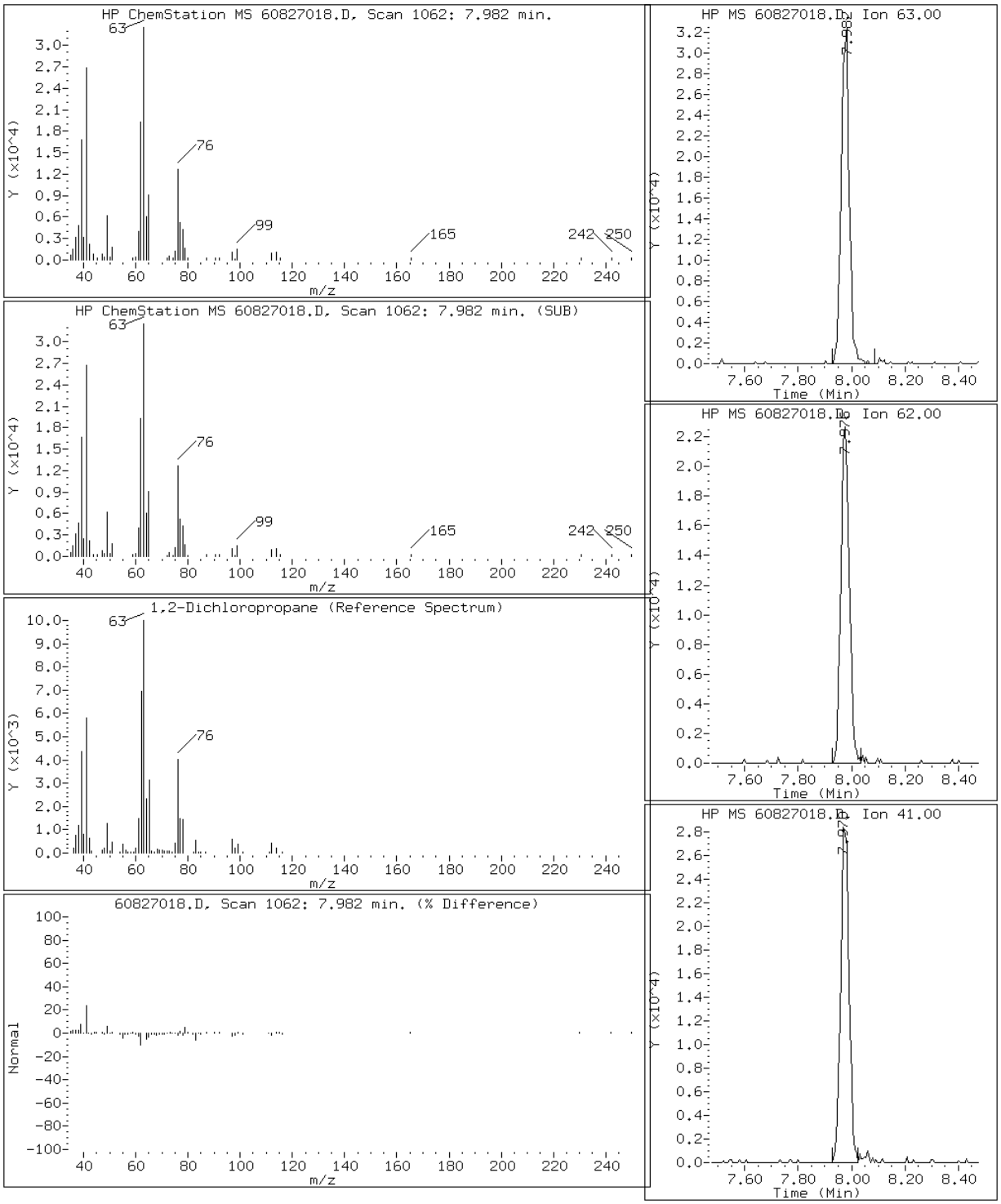
Data File: 60827018.D

Date: 27-AUG-2012 16:43

Client ID: Instrument: hp6.i

Sample Info: 180-13537-M-6 Operator: 001562

49 1,2-Dichloropropane



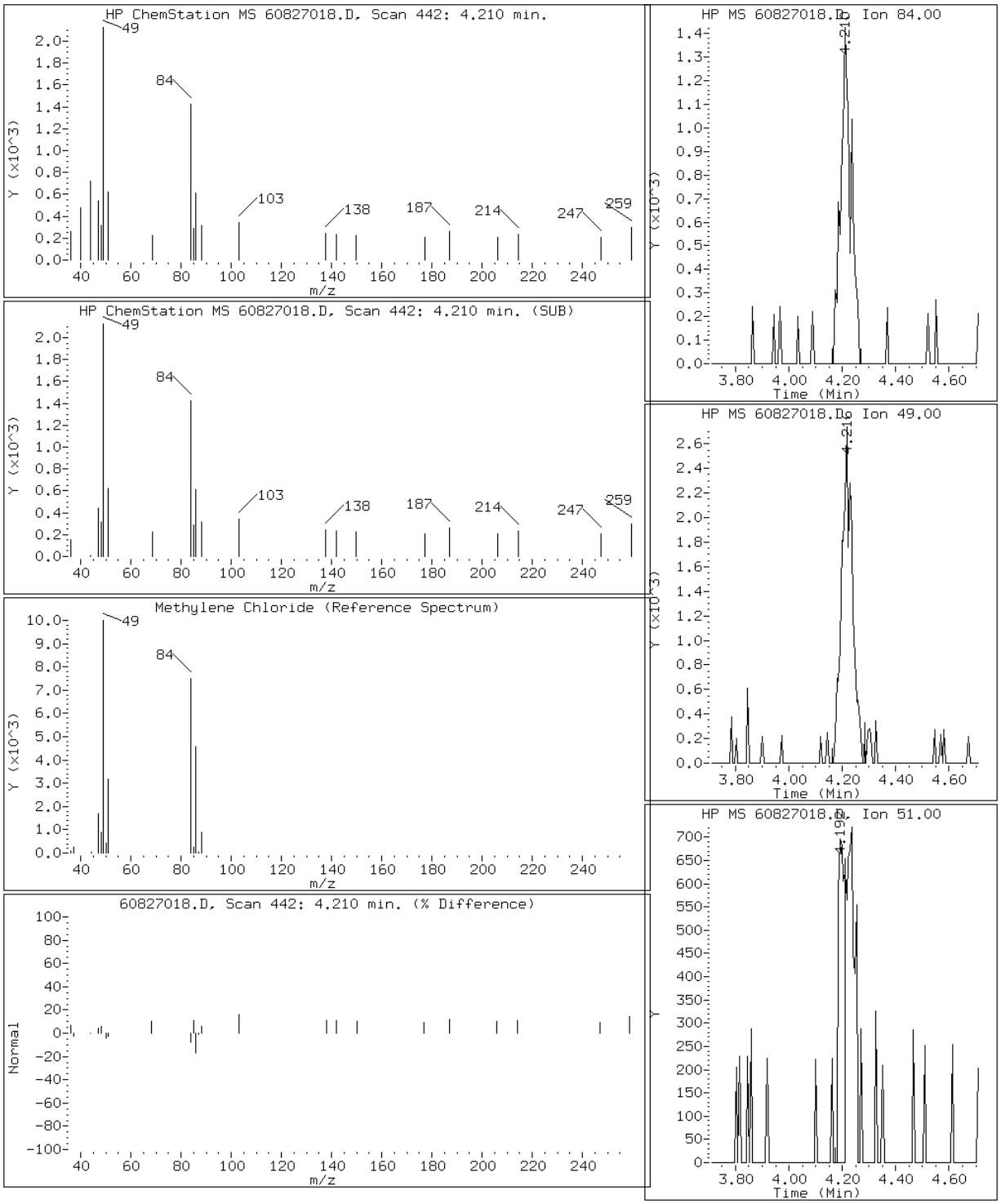
Data File: 60827018.D

Date: 27-AUG-2012 16:43

Client ID: Instrument: hp6.i

Sample Info: 180-13537-M-6 Operator: 001562

18 Methylene Chloride



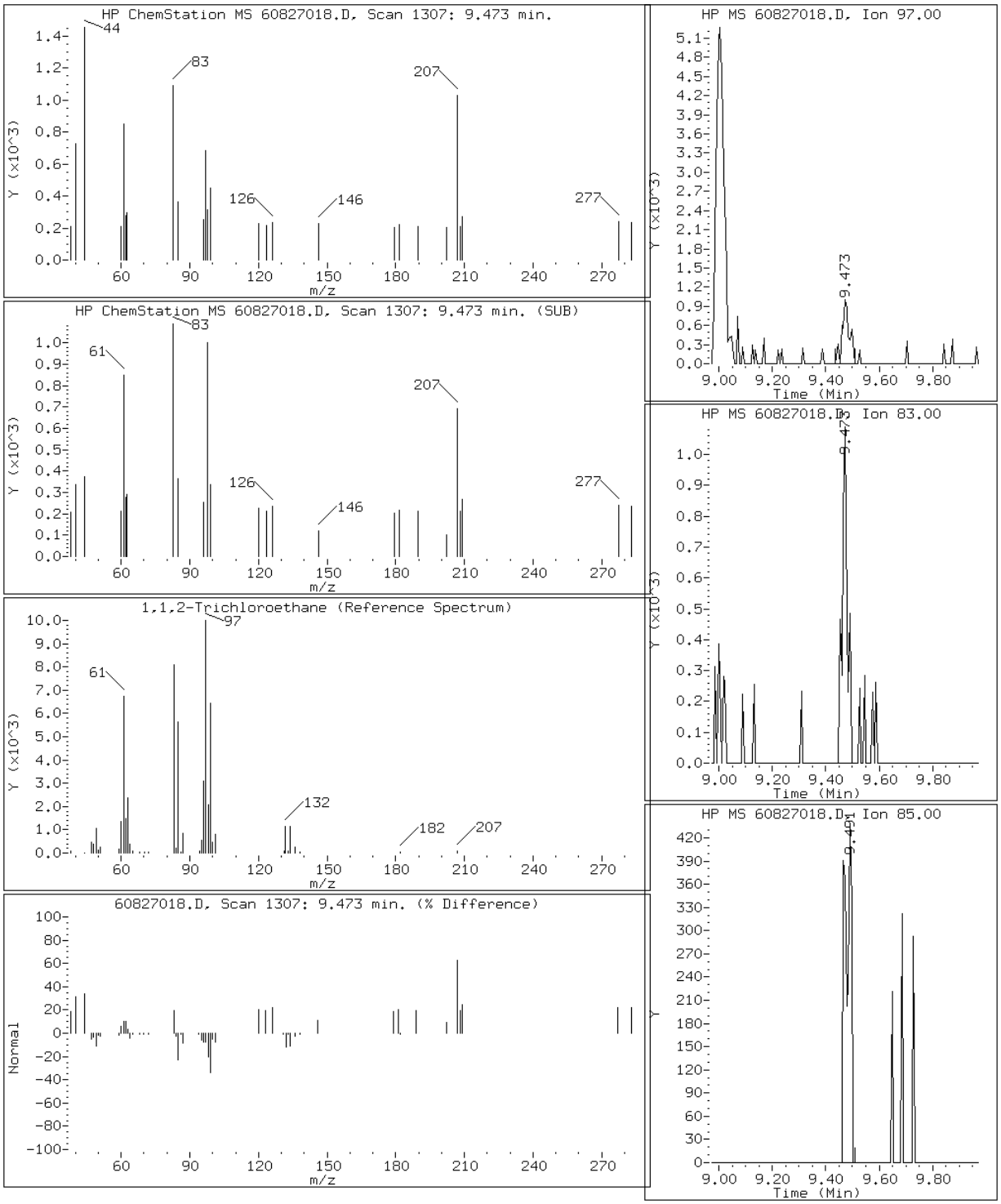
Data File: 60827018.D

Date: 27-AUG-2012 16:43

Client ID: Instrument: hp6.i

Sample Info: 180-13537-M-6 Operator: 001562

64 1,1,2-Trichloroethane



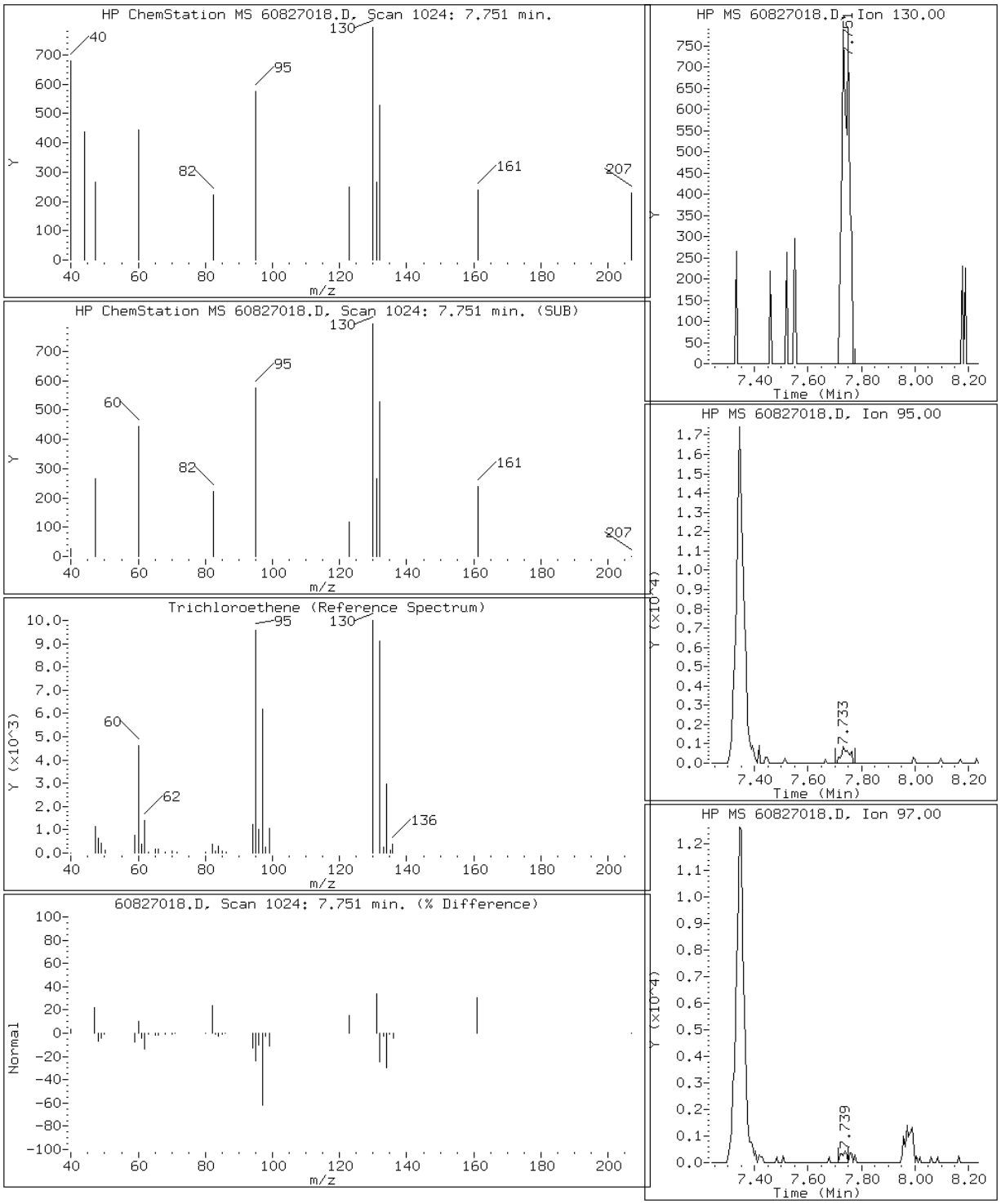
Data File: 60827018.D

Date: 27-AUG-2012 16:43

Client ID: Instrument: hp6.i

Sample Info: 180-13537-M-6 Operator: 001562

47 Trichloroethene



Manual Integration Report

Data File: 60827018.D
Inj. Date and Time: 27-AUG-2012 16:43
Instrument ID: hp6.i
Client ID:
Compound: 13 Acetone
CAS #: 67-64-1
Report Date: 08/28/2012

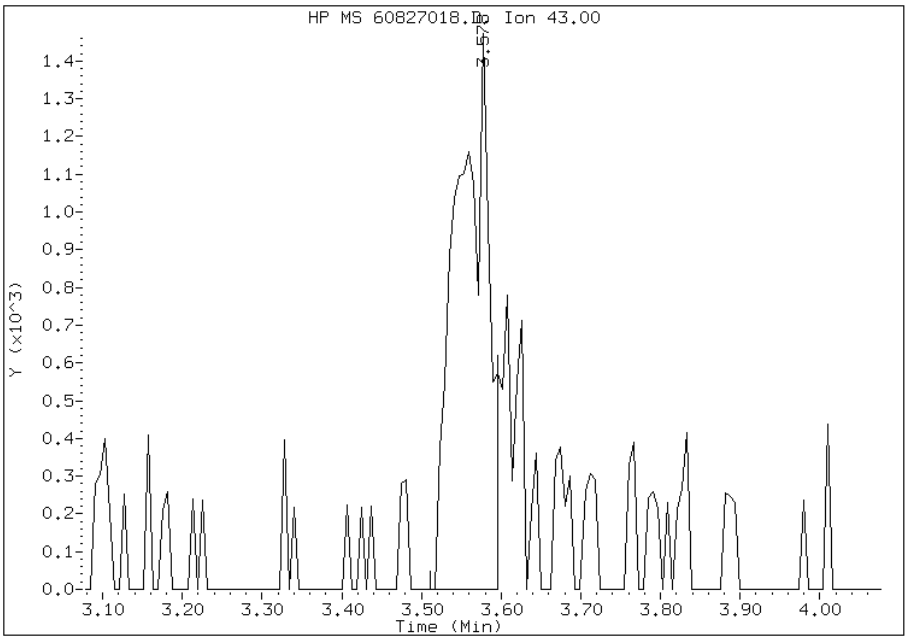
Processing Integration Results

RT: 3.58

Response: 4239

Amount: 5

Conc: 5



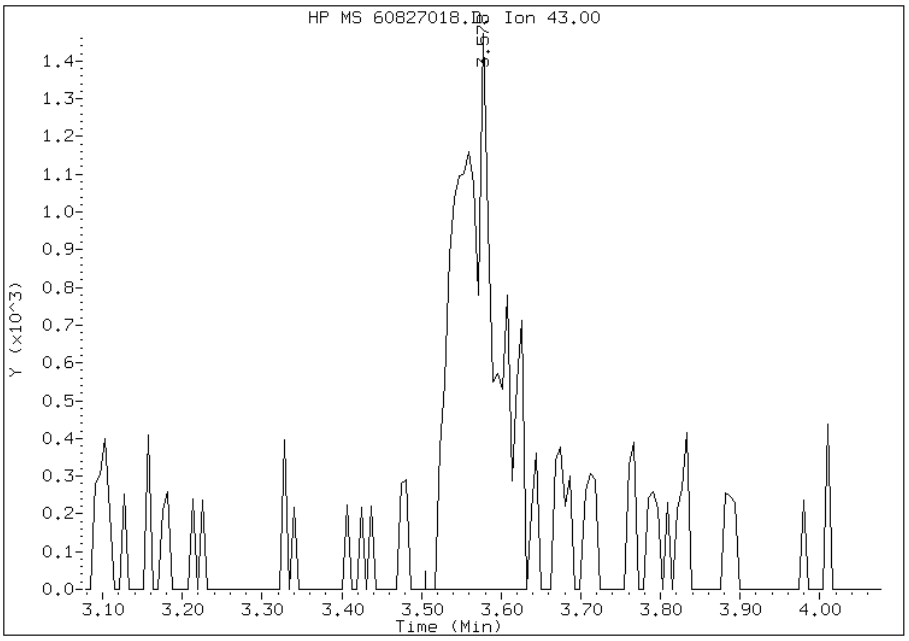
Manual Integration Results

RT: 3.58

Response: 5284

Amount: 6

Conc: 6



Manually Integrated By: fergusond
Modification Date: 28-Aug-2012 07:29
Manual Integration Reason: Peak Integrated Incorrectly

Data File: 60827018.D

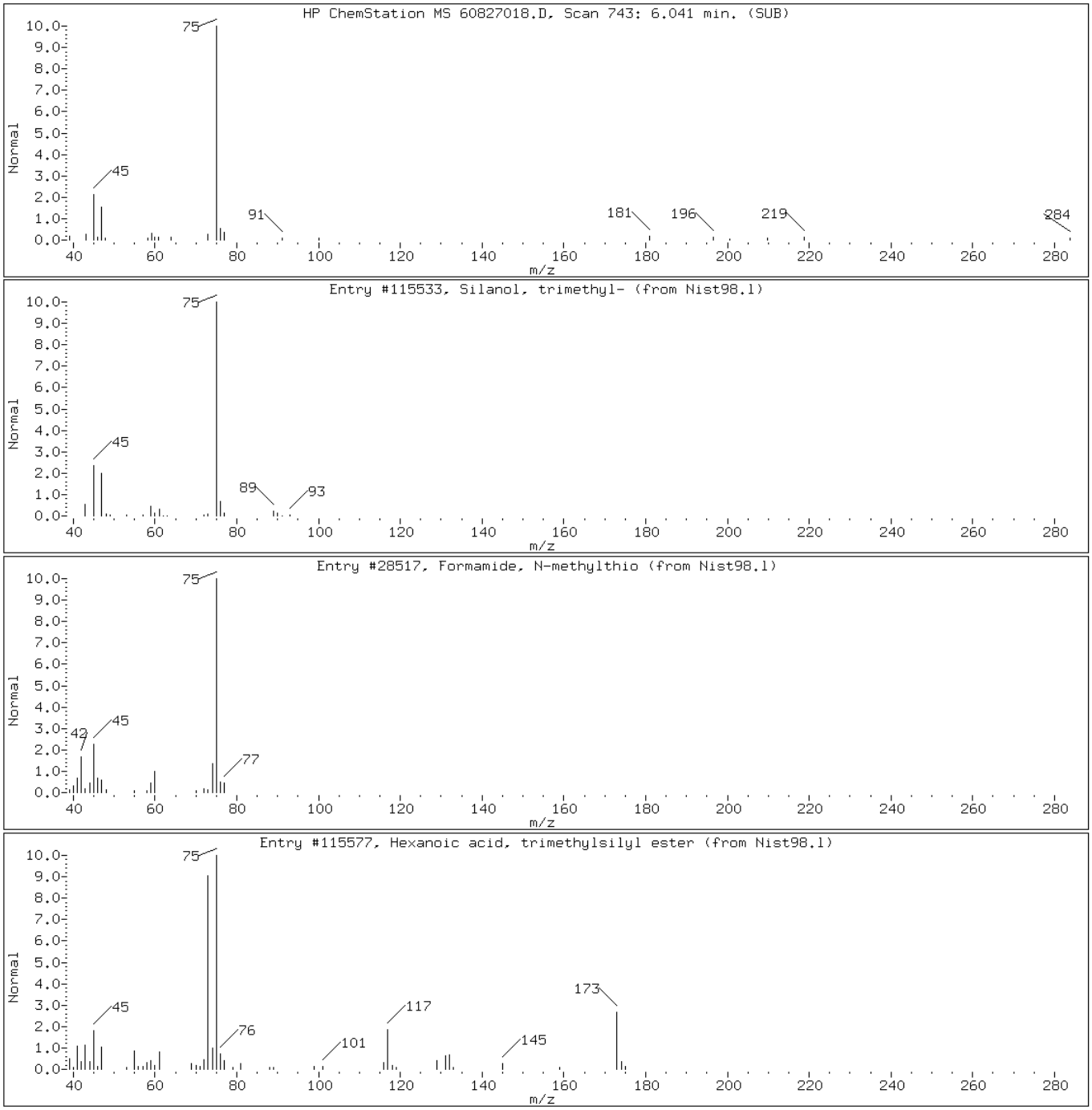
Date: 27-AUG-2012 16:43

Client ID: Instrument: hp6.i

Sample Info: 180-13537-M-6 Operator: 001562

Retention Time: 6.04

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Silanol, trimethyl-	1066-40-6	Nist98.l	115533	78	C3H10OSi	90
Formamide, N-methylthio	1000196-87-7	Nist98.l	28517	72	C2H5NS	75
Hexanoic acid, trimethylsilyl este	14246-15-2	Nist98.l	115577	64	C9H20O2Si	188



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

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 42730

SDG No.:

Instrument ID: HP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/23/2012 18:11 Calibration End Date: 07/23/2012 20:36 Calibration ID: 5907

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-42730/2	60723009.D
Level 2	IC 180-42730/3	60723010.D
Level 3	ICIS 180-42730/4	60723011.D
Level 4	IC 180-42730/5	60723012.D
Level 5	IC 180-42730/6	60723013.D
Level 6	IC 180-42730/7	60723014.D
Level 7	IC 180-42730/8	60723015.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	0.3016 0.2620	0.3074 0.2921	0.3374	0.3048	0.2760	Ave		0.2973				8.1		15.0			
Chloromethane	0.4868 0.4171	0.4278 0.4020	0.4760	0.4352	0.4328	Ave		0.4397			0.1000	7.0		15.0			
Vinyl chloride	0.3434 0.3139	0.3333 0.3257	0.3727	0.3360	0.3225	Ave		0.3353				5.7		15.0			
Bromomethane	0.1861 0.1164	0.1445 0.0927	0.1305	0.1027	0.1147	Ave		0.1268				24.6	*	15.0			
Chloroethane	0.1855 0.1887	0.2039 0.1824	0.2108	0.1777	0.1928	Ave		0.1917				6.2		15.0			
Trichlorofluoromethane	0.3371 0.3102	0.3256 0.3296	0.3719	0.3283	0.3173	Ave		0.3314				6.0		15.0			
1,1-Dichloroethene	0.2382 0.2217	0.2231 0.2307	0.2584	0.2338	0.2220	Ave		0.2326				5.6		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2495 0.2252	0.2481 0.2342	0.2820	0.2459	0.2259	Ave		0.2444				8.0		15.0			
Acetone	0.1222 0.1055	0.1200 0.0996	0.1209	0.1064	0.1089	Ave		0.1119				8.0		15.0			
Carbon disulfide	0.4693 0.5340	0.4767 0.5531	0.5418	0.5031	0.5096	Ave		0.5125				6.3		15.0			
Acetonitrile	0.0301 0.0222	0.0253 0.0219	0.0285	0.0241	0.0250	Ave		0.0253				12.1		15.0			
Methyl acetate	0.2748 0.2591	0.2506 0.2134	0.2769	0.2514	0.2719	Ave		0.2569				8.6		15.0			
Methylene Chloride	0.4932 0.2650	0.3235 0.2340	0.3123	0.2798	0.2877	Ave		0.3136				27.0	*	15.0			
trans-1,2-Dichloroethene	0.2685 0.2503	0.2599 0.2461	0.2856	0.2616	0.2642	Ave		0.2623				4.9		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.: 180-13537-1 Analy Batch No.: 42730

SDG No.:

Instrument ID: HP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/23/2012 18:11 Calibration End Date: 07/23/2012 20:36 Calibration ID: 5907

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	0.6149 0.7180	0.6803 0.6454	0.7456	0.7029	0.7465	Ave		0.6934				7.2		15.0			
1,1-Dichloroethane	0.5501 0.5554	0.5565 0.5181	0.6012	0.5643	0.5657	Ave		0.5588			0.1000	4.4		15.0			
2,2-Dichloropropane	0.2162 0.2283	0.2265 0.2127	0.2370	0.2307	0.2314	Ave		0.2261				3.8		15.0			
cis-1,2-Dichloroethene	0.3527 0.2901	0.2979 0.2663	0.3102	0.2928	0.3010	Ave		0.3016				8.7		15.0			
2-Butanone (MEK)	0.1283 0.1425	0.1449 0.1276	0.1525	0.1380	0.1446	Ave		0.1398				6.5		15.0			
Bromochloromethane	0.1217 0.1198	0.1121 0.1074	0.1307	0.1226	0.1277	Ave		0.1203				6.8		15.0			
Chloroform	0.4782 0.4646	0.4754 0.4287	0.5146	0.4683	0.4776	Ave		0.4725				5.4		30.0			
1,1,1-Trichloroethane	0.3394 0.3763	0.3746 0.3710	0.4061	0.3895	0.3710	Ave		0.3754				5.4		15.0			
Cyclohexane	0.5997 0.5935	0.6022 0.6276	0.6729	0.6493	0.6054	Ave		0.6215				4.8		15.0			
Carbon tetrachloride	0.2487 0.2866	0.2524 0.2958	0.2967	0.2820	0.2800	Ave		0.2775				7.0		15.0			
1,1-Dichloropropene	0.3436 0.3718	0.3752 0.3798	0.4223	0.3792	0.3767	Ave		0.3784				6.1		15.0			
Benzene	1.0666 1.0811	1.0759 1.0239	1.1762	1.0995	1.1200	Ave		1.0919				4.4		15.0			
1,2-Dichloroethane	0.4640 0.4484	0.4507 0.3962	0.4933	0.4479	0.4703	Ave		0.4530				6.6		15.0			
Trichloroethene	0.2698 0.2590	0.2501 0.2581	0.2813	0.2692	0.2573	Ave		0.2636				4.0		15.0			
Methylcyclohexane	0.3981 0.4377	0.4338 0.4607	0.4895	0.4699	0.4364	Ave		0.4466				6.6		15.0			
1,2-Dichloropropane	0.2577 0.2820	0.2730 0.2620	0.2915	0.2751	0.2799	Ave		0.2745				4.2		30.0			
Dibromomethane	0.1295 0.1423	0.1400 0.1271	0.1491	0.1435	0.1464	Ave		0.1397				6.0		15.0			
Bromodichloromethane	0.2384 0.2962	0.2452 0.2712	0.2774	0.2659	0.2863	Ave		0.2686				7.8		15.0			
cis-1,3-Dichloropropene	0.1971 0.3244	0.2282 0.3137	0.2752	0.2744	0.3061	Ave		0.2742				17.1	*	15.0			
4-Methyl-2-pentanone (MIBK)	1.1318 1.3345	1.3109 1.1488	1.4483	1.3672	1.3818	Ave		1.3033				9.2		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 CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 42730

SDG No.:

Instrument ID: HP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/23/2012 18:11 Calibration End Date: 07/23/2012 20:36 Calibration ID: 5907

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	4.8724 4.8574	5.3268 +++++	5.4324	5.3170	4.9799	Ave		5.1310				5.0		30.0			
trans-1,3-Dichloropropene	0.9195 1.2767	1.0505 1.1644	1.1847	1.1999	1.2354	Ave		1.1473				10.7		15.0			
1,1,2-Trichloroethane	0.9798 0.8611	0.9427 0.7459	0.9457	0.9057	0.8965	Ave		0.8968				8.6		15.0			
Tetrachloroethene	0.9685 0.8704	1.0318 0.8442	0.9987	1.0085	0.9129	Ave		0.9478				7.7		15.0			
1,3-Dichloropropane	1.7145 1.6082	1.7007 1.3762	1.7594	1.6696	1.6699	Ave		1.6427				7.7		15.0			
2-Hexanone	0.7887 0.8981	0.9033 0.7951	0.9971	0.9433	0.9625	Ave		0.8983				8.9		15.0			
Dibromochloromethane	0.5457 0.7413	0.6178 0.6512	0.6540	0.6775	0.6909	Ave		0.6541				9.4		15.0			
1,2-Dibromoethane (EDB)	0.7932 0.8118	0.8370 0.6967	0.8775	0.8674	0.8581	Ave		0.8202				7.6		15.0			
3-Chlorobenzotrifluoride	2.2403 1.7514	2.1195 1.8136	2.0027	1.9704	1.7286	Ave		1.9467				9.9		15.0			
Chlorobenzene	3.1799 2.9340	3.2969 2.6413	3.3208	3.2577	3.1246	Ave		3.1079			0.3000	7.8		15.0			
4-Chlorobenzotrifluoride	1.9131 1.5891	1.9375 1.6901	1.8079	1.8371	1.5700	Ave		1.7635				8.5		15.0			
1,1,1,2-Tetrachloroethane	0.7307 0.9345	0.9180 0.8208	0.9900	0.9455	0.9366	Ave		0.8966				10.0		15.0			
Ethylbenzene	1.6123 1.6594	1.7529 1.5322	1.8633	1.8359	1.7238	Ave		1.7114				7.0		30.0			
m-Xylene & p-Xylene	1.9788 2.0618	2.2664 1.9119	2.3305	2.2889	2.1466	Ave		2.1407				7.6		15.0			
o-Xylene	1.7881 2.0724	2.1678 1.8363	2.3212	2.2846	2.1734	Ave		2.0920				10.0		15.0			
Styrene	2.4786 3.2474	3.2951 2.9113	3.4960	3.4630	3.3381	Ave		3.1756				11.4		15.0			
Bromoform	0.3009 0.4031	0.3248 0.3519	0.3438	0.3498	0.3739	Ave		0.3497			0.1000	9.4		15.0			
2-Chlorobenzotrifluoride	1.9723 1.7000	2.0284 1.7909	1.9817	1.8769	1.6623	Ave		1.8589				7.8		15.0			
Isopropylbenzene	5.0478 5.4703	5.7532 5.0118	6.1163	6.0613	5.6219	Ave		5.5832				7.9		15.0			
1,1,2,2-Tetrachloroethane	0.7087 0.7868	0.7299 0.6820	0.8013	0.7429	0.7896	Ave		0.7487			0.3000	6.1		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.: 180-13537-1 Analy Batch No.: 42730

SDG No.:

Instrument ID: HP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/23/2012 18:11 Calibration End Date: 07/23/2012 20:36 Calibration ID: 5907

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	0.6950 0.7717	0.7522 0.7334	0.8256	0.7622	0.7409	Ave		0.7544				5.3		15.0			
1,2,3-Trichloropropane	0.2611 0.2743	0.2818 0.2448	0.2940	0.2675	0.2791	Ave		0.2718				5.9		15.0			
N-Propylbenzene	0.7909 0.9904	0.9071 0.9805	1.0066	0.9732	0.9600	Ave		0.9441				7.9		15.0			
2-Chlorotoluene	0.7777 0.8140	0.7844 0.7799	0.8684	0.8205	0.8244	Ave		0.8099				4.0		15.0			
3-Chlorotoluene	0.7498 0.9259	0.9481 1.0228	0.9907	0.8425	0.8256	Ave		0.9008				10.9		15.0			
1,3,5-Trimethylbenzene	2.3796 3.0652	2.9317 2.9479	3.2367	3.0176	2.9844	Ave		2.9376				9.1		15.0			
4-Chlorotoluene	0.7400 0.9386	0.8094 0.8867	0.9987	0.8438	0.8338	Ave		0.8644				9.9		15.0			
tert-Butylbenzene	2.1117 2.5996	2.3348 2.6001	2.7046	2.5366	2.4394	Ave		2.4753				8.1		15.0			
1,2,4-Trimethylbenzene	2.2122 3.0880	2.9073 2.9340	3.1636	3.0297	2.9587	Ave		2.8991				10.9		15.0			
3,4-Dichlorobenzotrifluoride	0.9349 0.8689	0.8716 0.9772	0.9462	0.8639	0.8094	Ave		0.8960				6.5		15.0			
sec-Butylbenzene	2.8359 3.4584	3.3126 3.5317	3.6678	3.4835	3.2842	Ave		3.3677				8.0		15.0			
1,3-Dichlorobenzene	1.4873 1.5524	1.5340 1.4372	1.6115	1.5338	1.5253	Ave		1.5259				3.5		15.0			
4-Isopropyltoluene	2.2355 3.0562	2.8006 3.0457	3.1080	3.0618	2.9133	Ave		2.8887				10.6		15.0			
1,4-Dichlorobenzene	1.6737 1.5778	1.6401 1.4573	1.6733	1.5569	1.5524	Ave		1.5902				4.9		15.0			
2,4-Dichlorobenzotrifluoride	0.8876 0.7325	0.8215 0.8466	0.7934	0.7824	0.7343	Ave		0.7997				7.1		15.0			
2,5-Dichlorobenzotrifluoride	0.9156 0.9117	0.8696 1.0161	0.9587	0.8719	0.7768	Ave		0.9029				8.4		15.0			
n-Butylbenzene	1.8618 2.5264	2.2391 2.5991	2.5940	2.5501	2.4200	Ave		2.3986				11.2		15.0			
1,2-Dichlorobenzene	1.3645 1.4610	1.4916 1.3137	1.5245	1.4643	1.4334	Ave		1.4361				5.1		15.0			
1,2-Dibromo-3-Chloropropane	0.0746 0.1107	0.0897 0.0972	0.0927	0.0919	0.1076	Ave		0.0949				12.7		15.0			
2,4- & 2,5- & 2,6- Dichlorotoluene	0.8795 1.1207	1.0696 1.1994	1.1452	1.1535	1.0857	Ave		1.0934				9.5					

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.: 180-13537-1 Analy Batch No.: 42730

SDG No.:

Instrument ID: HP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/23/2012 18:11 Calibration End Date: 07/23/2012 20:36 Calibration ID: 5907

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	0.7444 0.8321	0.8635 0.8976	0.9003	0.8946	0.8086	Ave		0.8487				6.8		15.0			
2,3- & 3,4- Dichlorotoluene	0.8630 1.1318	1.0994 1.1688	1.1113	1.1807	1.1163	Ave		1.0959				9.8					
1,2,4-Trichlorobenzene	0.6274 0.7417	0.7414 0.6821	0.7558	0.8117	0.7723	Ave		0.7332				8.3		15.0			
Hexachlorobutadiene	0.3128 0.2968	0.3278 0.3147	0.3516	0.3502	0.3180	Ave		0.3245				6.2		15.0			
Naphthalene	1.3061 1.9158	1.6565 1.6902	1.8679	2.0783	1.9901	Ave		1.7864				14.6		15.0			
1,2,3-Trichlorobenzene	0.5371 0.5930	0.6214 0.5328	0.6027	0.6756	0.6222	Ave		0.5978				8.4		15.0			
2,4,5-Trichlorotoluene	0.2440 0.2830	0.2498 0.3139	0.2743	0.3126	0.2826	Ave		0.2800				9.7		15.0			
2,3,6-Trichlorotoluene	0.2172 0.2487	0.2210 0.2649	0.2475	0.2795	0.2543	Ave		0.2476				9.0		15.0			
Dibromofluoromethane (Surr)	0.2080 0.2155	0.2187 0.2073	0.2128	0.2109	0.2161	Ave		0.2128				2.0					
1,2-Dichloroethane-d4 (Surr)	0.4102 0.3280	0.3358 0.3142	0.3189	0.3277	0.3375	Ave		0.3389				9.6		15.0			
Toluene-d8 (Surr)	4.3353 4.0327	4.4748 +++++	4.0405	4.3096	4.0730	Ave		4.2110				4.4		15.0			
4-Bromofluorobenzene (Surr)	1.8703 1.5827	1.7378 1.4986	1.6058	1.7045	1.6677	Ave		1.6668				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.: 180-13537-1 Analy Batch No.: 42730

SDG No.:

Instrument ID: HP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/23/2012 18:11 Calibration End Date: 07/23/2012 20:36 Calibration ID: 5907

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-42730/2	60723009.D
Level 2	IC 180-42730/3	60723010.D
Level 3	ICIS 180-42730/4	60723011.D
Level 4	IC 180-42730/5	60723012.D
Level 5	IC 180-42730/6	60723013.D
Level 6	IC 180-42730/7	60723014.D
Level 7	IC 180-42730/8	60723015.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	13040 423201	69275 583047	146496	206520	235573	5.00 175	25.0 200	50.0	75.0	100
Chloromethane	FB	Ave	21045 673617	96407 802447	206654	294920	369326	5.00 175	25.0 200	50.0	75.0	100
Vinyl chloride	FB	Ave	14846 506944	75108 649992	161799	227663	275190	5.00 175	25.0 200	50.0	75.0	100
Bromomethane	FB	Ave	8045 188000	32567 185075	56649	69607	97856	5.00 175	25.0 200	50.0	75.0	100
Chloroethane	FB	Ave	8019 304867	45947 364040	91511	120428	164521	5.00 175	25.0 200	50.0	75.0	100
Trichlorofluoromethane	FB	Ave	14574 501009	73383 657818	161468	222464	270823	5.00 175	25.0 200	50.0	75.0	100
1,1-Dichloroethene	FB	Ave	10298 358079	50284 460462	112198	158441	189490	5.00 175	25.0 200	50.0	75.0	100
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	10787 363732	55915 467507	122443	166644	192787	5.00 175	25.0 200	50.0	75.0	100
Acetone	FB	Ave	26413 340833	54111 397498	105020	144261	185840	25.0 350	50.0 400	100	150	200
Carbon disulfide	FB	Ave	20286 862552	107427 1104043	235244	340943	434878	5.00 175	25.0 200	50.0	75.0	100
Acetonitrile	FB	Ave	26004 715596	113917 874819	247420	326247	426317	100 3500	500 4000	1000	1500	2000
Methyl acetate	FB	Ave	11878 418575	56476 426015	120204	170339	232003	5.00 175	25.0 200	50.0	75.0	100
Methylene Chloride	FB	Ave	21321 428037	72916 466987	135571	189581	245552	5.00 175	25.0 200	50.0	75.0	100
trans-1,2-Dichloroethene	FB	Ave	11607 404303	58583 491167	123983	177281	225513	5.00 175	25.0 200	50.0	75.0	100
Methyl tert-butyl ether	FB	Ave	26583 1159761	153329 1288229	323717	476289	637107	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.: 180-13537-1 Analy Batch No.: 42730

SDG No.:

Instrument ID: HP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/23/2012 18:11 Calibration End Date: 07/23/2012 20:36 Calibration ID: 5907

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	23781 897144	125414 1034023	261033	382388	482752	5.00 175	25.0 200	50.0	75.0	100
2,2-Dichloropropane	FB	Ave	9345 368721	51058 424636	102903	156297	197487	5.00 175	25.0 200	50.0	75.0	100
cis-1,2-Dichloroethene	FB	Ave	15246 468616	67140 531543	134695	198426	256909	5.00 175	25.0 200	50.0	75.0	100
2-Butanone (MEK)	FB	Ave	27742 460442	65335 509301	132431	187069	246800	25.0 350	50.0 400	100	150	200
Bromochloromethane	FB	Ave	5259 193550	25270 214447	56768	83061	109003	5.00 175	25.0 200	50.0	75.0	100
Chloroform	FB	Ave	20672 750488	107153 855624	223415	317312	407554	5.00 175	25.0 200	50.0	75.0	100
1,1,1-Trichloroethane	FB	Ave	14671 607820	84429 740430	176326	263950	316654	5.00 175	25.0 200	50.0	75.0	100
Cyclohexane	FB	Ave	25926 958601	135717 1252608	292164	439954	516668	5.00 175	25.0 200	50.0	75.0	100
Carbon tetrachloride	FB	Ave	10752 462892	56890 590348	128833	191076	238930	5.00 175	25.0 200	50.0	75.0	100
1,1-Dichloropropene	FB	Ave	14856 600476	84566 758045	183360	256974	321438	5.00 175	25.0 200	50.0	75.0	100
Benzene	FB	Ave	46111 1746263	242481 2043598	510682	745066	955790	5.00 175	25.0 200	50.0	75.0	100
1,2-Dichloroethane	FB	Ave	20059 724279	101585 790699	214170	303532	401333	5.00 175	25.0 200	50.0	75.0	100
Trichloroethene	FB	Ave	11665 418335	56376 515234	122133	182427	219543	5.00 175	25.0 200	50.0	75.0	100
Methylcyclohexane	FB	Ave	17208 706899	97759 919556	212518	318404	372468	5.00 175	25.0 200	50.0	75.0	100
1,2-Dichloropropane	FB	Ave	11141 455434	61529 522917	126577	186438	238867	5.00 175	25.0 200	50.0	75.0	100
Dibromomethane	FB	Ave	5598 229896	31563 253766	64720	97214	124912	5.00 175	25.0 200	50.0	75.0	100
Bromodichloromethane	FB	Ave	10308 478402	55262 541308	120439	180150	244295	5.00 175	25.0 200	50.0	75.0	100
cis-1,3-Dichloropropene	FB	Ave	8519 524047	51437 626131	119472	185928	261208	5.00 175	25.0 200	50.0	75.0	100
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	46551 968350	113857 1092374	266080	377486	514371	25.0 350	50.0 400	100	150	200
Toluene	CBZ	Ave	40081 1762315	231330 +++++	499019	734032	926898	5.00 175	25.0 +++++	50.0	75.0	100
trans-1,3-Dichloropropene	CBZ	Ave	7564 463205	45620 553588	108830	165645	229942	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.: 180-13537-1 Analy Batch No.: 42730

SDG No.:

Instrument ID: HP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/23/2012 18:11 Calibration End Date: 07/23/2012 20:36 Calibration ID: 5907

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	8060 312420	40938 354613	86871	125031	166866	5.00 175	25.0 200	50.0	75.0	100
Tetrachloroethene	CBZ	Ave	7967 315777	44808 401386	91738	139225	169908	5.00 175	25.0 200	50.0	75.0	100
1,3-Dichloropropane	CBZ	Ave	14104 583487	73857 654299	161622	230500	310814	5.00 175	25.0 200	50.0	75.0	100
2-Hexanone	CBZ	Ave	32440 651703	78460 756050	183188	260458	358304	25.0 350	50.0 400	100	150	200
Dibromochloromethane	CBZ	Ave	4489 268971	26830 309616	60081	93538	128593	5.00 175	25.0 200	50.0	75.0	100
1,2-Dibromoethane (EDB)	CBZ	Ave	6525 294540	36347 331240	80606	119754	159712	5.00 175	25.0 200	50.0	75.0	100
3-Chlorobenzotrifluoride	CBZ	Ave	18429 635443	92044 862267	183966	272025	321750	5.00 175	25.0 200	50.0	75.0	100
Chlorobenzene	CBZ	Ave	26158 1064483	143177 1255774	305052	449744	581575	5.00 175	25.0 200	50.0	75.0	100
4-Chlorobenzotrifluoride	CBZ	Ave	15737 576556	84139 803537	166071	253614	292214	5.00 175	25.0 200	50.0	75.0	100
1,1,1,2-Tetrachloroethane	CBZ	Ave	6011 339047	39867 390256	90937	130524	174324	5.00 175	25.0 200	50.0	75.0	100
Ethylbenzene	CBZ	Ave	13263 602047	76124 728472	171161	253448	320851	5.00 175	25.0 200	50.0	75.0	100
m-Xylene & p-Xylene	CBZ	Ave	32555 1496124	196844 1818013	428156	631972	799084	10.0 350	50.0 400	100	150	200
o-Xylene	CBZ	Ave	14709 751906	94144 873030	213224	315393	404524	5.00 175	25.0 200	50.0	75.0	100
Styrene	CBZ	Ave	20389 1178206	143097 1384172	321145	478080	621316	5.00 175	25.0 200	50.0	75.0	100
Bromoform	CBZ	Ave	2475 146233	14105 167317	31583	48289	69589	5.00 175	25.0 200	50.0	75.0	100
2-Chlorobenzotrifluoride	CBZ	Ave	16224 616795	88089 851454	182040	259115	309404	5.00 175	25.0 200	50.0	75.0	100
Isopropylbenzene	CBZ	Ave	41524 1984707	249849 2382806	561844	836782	1046385	5.00 175	25.0 200	50.0	75.0	100
1,1,2,2-Tetrachloroethane	DCB	Ave	9273 415371	53461 435878	117029	169866	231243	5.00 175	25.0 200	50.0	75.0	100
Bromobenzene	DCB	Ave	9094 407415	55094 468718	120590	174276	216982	5.00 175	25.0 200	50.0	75.0	100
1,2,3-Trichloropropane	DCB	Ave	3416 144836	20641 156418	42939	61163	81748	5.00 175	25.0 200	50.0	75.0	100
N-Propylbenzene	DCB	Ave	10349 522852	66440 626586	147016	222521	281149	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.: 180-13537-1 Analy Batch No.: 42730

SDG No.:

Instrument ID: HP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/23/2012 18:11 Calibration End Date: 07/23/2012 20:36 Calibration ID: 5907

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	10176 429721	57454 498438	126836	187612	241429	5.00 175	25.0 200	50.0	75.0	100
3-Chlorotoluene	DCB	Ave	9811 488849	69448 653644	144697	192642	241779	5.00 175	25.0 200	50.0	75.0	100
1,3,5-Trimethylbenzene	DCB	Ave	31137 1618258	214744 1883924	472743	689974	873996	5.00 175	25.0 200	50.0	75.0	100
4-Chlorotoluene	DCB	Ave	9683 495513	59289 566680	145872	192927	244190	5.00 175	25.0 200	50.0	75.0	100
tert-Butylbenzene	DCB	Ave	27631 1372467	171020 1661640	395017	579986	714391	5.00 175	25.0 200	50.0	75.0	100
1,2,4-Trimethylbenzene	DCB	Ave	28947 1630286	212955 1875046	462064	692728	866455	5.00 175	25.0 200	50.0	75.0	100
3,4-Dichlorobenzotrifluoride	DCB	Ave	12233 458725	63841 624516	138192	197522	237033	5.00 175	25.0 200	50.0	75.0	100
sec-Butylbenzene	DCB	Ave	37108 1825864	242642 2257067	535703	796486	961781	5.00 175	25.0 200	50.0	75.0	100
1,3-Dichlorobenzene	DCB	Ave	19461 819577	112360 918473	235372	350709	446699	5.00 175	25.0 200	50.0	75.0	100
4-Isopropyltoluene	DCB	Ave	29251 1613498	205141 1946464	453938	700074	853169	5.00 175	25.0 200	50.0	75.0	100
1,4-Dichlorobenzene	DCB	Ave	21901 833000	120131 931311	244391	355981	454627	5.00 175	25.0 200	50.0	75.0	100
2,4-Dichlorobenzotrifluoride	DCB	Ave	11614 386739	60170 541054	115874	178889	215030	5.00 175	25.0 200	50.0	75.0	100
2,5-Dichlorobenzotrifluoride	DCB	Ave	11980 481323	63696 649381	140027	199364	227489	5.00 175	25.0 200	50.0	75.0	100
n-Butylbenzene	DCB	Ave	24361 1333810	164007 1661032	378861	583064	708711	5.00 175	25.0 200	50.0	75.0	100
1,2-Dichlorobenzene	DCB	Ave	17855 771303	109256 839562	222668	334807	419767	5.00 175	25.0 200	50.0	75.0	100
1,2-Dibromo-3-Chloropropane	DCB	Ave	976 58434	6574 62129	13537	21004	31511	5.00 175	25.0 200	50.0	75.0	100
2,4- & 2,5- & 2,6- Dichlorotoluene	DCB	Ave	34525 1775071	235049 2299576	501791	791247	953820	15.0 525	75.0 600	150	225	300
1,3,5-Trichlorobenzene	DCB	Ave	9740 439314	63250 573608	131498	204548	236808	5.00 175	25.0 200	50.0	75.0	100
2,3- & 3,4- Dichlorotoluene	DCB	Ave	22584 1195046	161060 1493851	324614	539934	653797	10.0 350	50.0 400	100	150	200
1,2,4-Trichlorobenzene	DCB	Ave	8209 391569	54306 435891	110394	185596	226165	5.00 175	25.0 200	50.0	75.0	100
Hexachlorobutadiene	DCB	Ave	4093 156673	24008 201126	51351	80076	93116	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.: 180-13537-1 Analy Batch No.: 42730

SDG No.:

Instrument ID: HP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/23/2012 18:11 Calibration End Date: 07/23/2012 20:36 Calibration ID: 5907

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	17090 1011457	121336 1080165	272819	475185	582806	5.00 175	25.0 200	50.0	75.0	100
1,2,3-Trichlorobenzene	DCB	Ave	7028 313082	45518 340495	88033	154482	182218	5.00 175	25.0 200	50.0	75.0	100
2,4,5-Trichlorotoluene	DCB	Ave	3193 149404	18294 200598	40067	71481	82762	5.00 175	25.0 200	50.0	75.0	100
2,3,6-Trichlorotoluene	DCB	Ave	2842 131285	16191 169317	36146	63907	74478	5.00 175	25.0 200	50.0	75.0	100
Dibromofluoromethane (Surr)	FB	Ave	8994 348122	49280 413729	92408	142885	184435	5.00 175	25.0 200	50.0	75.0	100
1,2-Dichloroethane-d4 (Surr)	FB	Ave	17734 529751	75690 627170	138438	222078	287996	5.00 175	25.0 200	50.0	75.0	100
Toluene-d8 (Surr)	CBZ	Ave	35663 1463132	194328 +++++	371160	594956	758103	5.00 175	25.0 +++++	50.0	75.0	100
4-Bromofluorobenzene (Surr)	CBZ	Ave	15385 574223	75468 712517	147507	235315	310411	5.00 175	25.0 200	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\T6072312LL.b\60723009.D
Lab Smp Id: IC Client Smp ID: vstd1
Inj Date : 23-JUL-2012 18:11
Operator : 001562 Inst ID: hp6.i
Smp Info : IC, 1
Misc Info : T6072312f.b,T8260bllw.m,1-dwh2o.sub
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6072312LL.b\T8260bllw.m
Meth Date : 25-Jul-2012 08:16 hp6.i Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 57 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-dwh2o.sub
Target Version: 4.14
Processing Host: PITPC-002

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
* 46 Fluorobenzene (IS)	96	7.343	7.343	(1.000)	432302	50.0000	
* 69 Chlorobenzene-d5	119	10.440	10.440	(1.000)	82261	50.0000	(Q)
* 92 1,4-Dichlorobenzene-d4	152	12.764	12.764	(1.000)	130850	50.0000	(Q)
$ 39 Dibromofluoromethane (Surr)	113	6.607	6.607	(0.900)	8994	5.00000	0.0000(Q)
$ 43 1,2-Dichloroethane-d4	65	6.978	6.978	(0.950)	17734	5.00000	0.0000(Q)
$ 59 Toluene-d8	98	8.992	8.992	(0.861)	35663	5.00000	0.0000(Q)
$ 80 Bromofluorobenzene (Surr)	95	11.614	11.614	(1.112)	15385	5.00000	0.0000(Q)
1 Dichlorodifluoromethane	85	1.613	1.613	(0.220)	13040	5.00000	0.0000(Q)
2 Chloromethane	50	1.783	1.783	(0.243)	21045	5.00000	0.0000(Q)
3 Vinyl Chloride	62	1.905	1.905	(0.259)	14846	5.00000	0.0000(Q)
4 Bromomethane	94	2.300	2.300	(0.313)	8045	5.00000	0.0000(QM)
5 Chloroethane	64	2.422	2.422	(0.330)	8019	5.00000	0.0000
6 Trichlorofluoromethane	101	2.750	2.750	(0.375)	14574	5.00000	0.0000(Q)
10 1,1,2-trichloro-1,2,2-trifluor	101	3.486	3.486	(0.475)	10787	5.00000	0.0000(Q)
12 1,1-Dichloroethene	96	3.438	3.438	(0.468)	10298	5.00000	0.0000(Q)
15 Carbon Disulfide	76	3.711	3.711	(0.505)	20286	5.00000	0.0000(Q)
13 Acetone	43	3.572	3.572	(0.486)	26413	25.0000	0.0000(QM)
17 Acetonitrile	40	4.016	4.016	(0.547)	26004	100.000	0.0000(M)
18 Methylene Chloride	84	4.204	4.204	(0.573)	21321	5.00000	0.0000(Q)
19 trans-1,2-Dichloroethene	96	4.630	4.630	(0.631)	11607	5.00000	0.0000(Q)
20 Methyl tert-butyl ether	73	4.667	4.667	(0.636)	26583	5.00000	0.0000(Q)
24 1,1-Dichloroethane	63	5.245	5.245	(0.714)	23781	5.00000	0.0000(Q)
27 2,2-Dichloropropane	77	5.993	5.993	(0.816)	9345	5.00000	0.0000(Q)
28 cis-1,2-dichloroethene	96	6.005	6.005	(0.818)	15246	5.00000	0.0000(Q)
M 29 1,2-Dichloroethene (total)	96				26853	10.0000	0.0000
30 Bromochloromethane	128	6.297	6.297	(0.858)	5259	5.00000	0.0000(Q)
31 2-Butanone	43	6.060	6.060	(0.825)	27742	25.0000	0.0000(QM)
37 Chloroform	83	6.419	6.419	(0.874)	20672	5.00000	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	6.601	6.601	(0.899)	14671	5.00000	0.0000(Q)
	40 1,1-Dichloropropene	75	6.796	6.796	(0.925)	14856	5.00000	0.0000(Q)
	41 Carbon Tetrachloride	117	6.796	6.796	(0.925)	10752	5.00000	0.0000(Q)
	42 Benzene	78	7.027	7.027	(0.957)	46111	5.00000	0.0000(Q)
	45 1,2-Dichloroethane	62	7.063	7.063	(0.962)	20059	5.00000	0.0000(Q)
	47 Trichloroethene	130	7.745	7.745	(1.055)	11665	5.00000	0.0000(Q)
	49 1,2-Dichloropropane	63	7.976	7.976	(1.086)	11141	5.00000	0.0000(Q)
	50 Dibromomethane	93	8.104	8.104	(1.104)	5598	5.00000	0.0000(Q)
	53 Bromodichloromethane	83	8.268	8.268	(1.126)	10308	5.00000	0.0000(Q)
	57 cis-1,3-Dichloropropene	75	8.724	8.724	(1.188)	8519	5.00000	0.0000(Q)
	58 4-Methyl-2-Pentanone	43	8.895	8.895	(0.852)	46551	25.0000	0.0000(Q)
	60 Toluene	91	9.065	9.065	(0.868)	40081	5.00000	0.0000(Q)
	61 trans-1,3-Dichloropropene	75	9.290	9.290	(0.890)	7564	5.00000	0.0000(Q)
	63 1,3-Dichloropropane	76	9.649	9.649	(0.924)	14104	5.00000	0.0000(Q)
	64 1,1,2-Trichloroethane	97	9.473	9.473	(0.907)	8060	5.00000	0.0000(Q)
	65 Tetrachloroethene	164	9.612	9.612	(0.921)	7967	5.00000	0.0000(Q)
	66 2-Hexanone	43	9.734	9.734	(0.932)	32440	25.0000	0.0000(QM)
	67 Dibromochloromethane	129	9.868	9.868	(0.945)	4489	5.00000	0.0000(Q)
	68 1,2-Dibromoethane	107	9.984	9.984	(0.956)	6525	5.00000	0.0000(Q)
	70 Chlorobenzene	112	10.470	10.470	(1.003)	26158	5.00000	0.0000(Q)
	71 1,1,1,2-Tetrachloroethane	131	10.555	10.555	(1.011)	6011	5.00000	0.0000(Q)
	72 Ethylbenzene	106	10.574	10.574	(1.013)	13263	5.00000	0.0000(Q)
	73 m + p-Xylene	106	10.695	10.695	(1.024)	32555	10.0000	0.0000(Q)
	74 Xylene-o	106	11.091	11.091	(1.062)	14709	5.00000	0.0000(Q)
M	75 Xylenes (total)	106				47264	15.0000	0.0000
	76 Styrene	104	11.103	11.103	(1.064)	20389	5.00000	0.0000(Q)
	77 Bromoform	173	11.298	11.298	(1.082)	2475	5.00000	0.0000(Q)
	78 Isopropylbenzene	105	11.456	11.456	(1.097)	41524	5.00000	0.0000(Q)
	79 Bromobenzene	156	11.766	11.766	(0.922)	9094	5.00000	0.0000(Q)
	81 n-Propylbenzene	120	11.869	11.869	(0.930)	10349	5.00000	0.0000(Q)
	82 2-Chlorotoluene	126	11.949	11.949	(0.936)	10176	5.00000	0.0000(Q)
	83 1,1,2,2-Tetrachloroethane	83	11.748	11.748	(0.920)	9273	5.00000	0.0000(Q)
	84 1,2,3-Trichloropropane	110	11.809	11.809	(0.925)	3416	5.00000	0.0000(Q)
	85 4-Chlorotoluene	126	12.064	12.064	(0.945)	9683	5.00000	0.0000(Q)
	86 1,3,5-Trimethylbenzene	105	12.040	12.040	(0.943)	31137	5.00000	0.0000(Q)
	87 tert-Butylbenzene	119	12.374	12.374	(0.969)	27631	5.00000	0.0000(Q)
	88 1,2,4-Trimethylbenzene	105	12.423	12.423	(0.973)	28947	5.00000	0.0000(Q)
	89 sec-Butylbenzene	105	12.587	12.587	(0.986)	37108	5.00000	0.0000(Q)
	90 4-Isopropyltoluene	119	12.733	12.733	(0.998)	29251	5.00000	0.0000(Q)
	91 1,3-Dichlorobenzene	146	12.703	12.703	(0.995)	19461	5.00000	0.0000(Q)
	93 1,4-Dichlorobenzene	146	12.794	12.794	(1.002)	21901	5.00000	0.0000(Q)
	94 n-Butylbenzene	91	13.141	13.141	(1.030)	24361	5.00000	0.0000(Q)
	95 1,2-Dichlorobenzene	146	13.165	13.165	(1.031)	17855	5.00000	0.0000(Q)
	96 1,2-Dibromo-3-chloropropane	157	13.950	13.950	(1.093)	976	5.00000	0.0000(Q)
	97 1,2,4-Trichlorobenzene	180	14.783	14.783	(1.158)	8209	5.00000	0.0000(Q)
	98 Hexachlorobutadiene	225	14.954	14.954	(1.172)	4093	5.00000	0.0000(Q)
	99 Naphthalene	128	15.033	15.033	(1.178)	17090	5.00000	0.0000
	100 1,2,3-Trichlorobenzene	180	15.282	15.282	(1.197)	7028	5.00000	0.0000(Q)
	156 Methyl Acetate	43	4.095	4.095	(0.558)	11878	5.00000	0.0000(QM)
	157 Cyclohexane	56	6.656	6.656	(0.906)	25926	5.00000	0.0000(Q)
	158 Methyl Cyclohexane	83	7.939	7.939	(1.081)	17208	5.00000	0.0000(Q)
	160 1,3,5-Trichlorobenzene	180	14.157	14.157	(1.109)	9740	5.00000	0.0000(Q)
	168 3-Chlorobenzotrifluoride	180	10.440	10.440	(1.000)	18429	5.00000	0.0000(Q)
	169 4-Chlorobenzotrifluoride	180	10.501	10.501	(1.006)	15737	5.00000	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	11.352	11.352	(1.087)	16224	5.00000	0.0000(Q)
171 3-Chlorotoluene	126	12.009	12.009	(0.941)	9811	5.00000	0.0000(Q)
172 3,4-Dichlorobenzotrifluoride	214	12.484	12.484	(0.978)	12233	5.00000	0.0000(Q)
173 2,4-Dichlorobenzotrifluoride	214	12.843	12.843	(1.006)	11614	5.00000	0.0000(Q)
174 2,5-Dichlorobenzotrifluoride	214	12.885	12.885	(1.010)	11980	5.00000	0.0000(Q)
175 Dichlorotoluene(2,4/2,5/2,6)	125	14.096	14.096	(1.104)	34525	15.0000	0.0000(Q)
176 Dichlorotoluene(2,3/3,4)	125	14.516	14.516	(1.137)	22584	10.0000	0.0000(Q)
177 2,4,5-Trichlorotoluene	159	16.158	16.158	(1.266)	3193	5.00000	0.0000(Q)
178 2,3,6-Trichlorotoluene	159	16.280	16.280	(1.275)	2842	5.00000	0.0000(Q)

QC Flag Legend

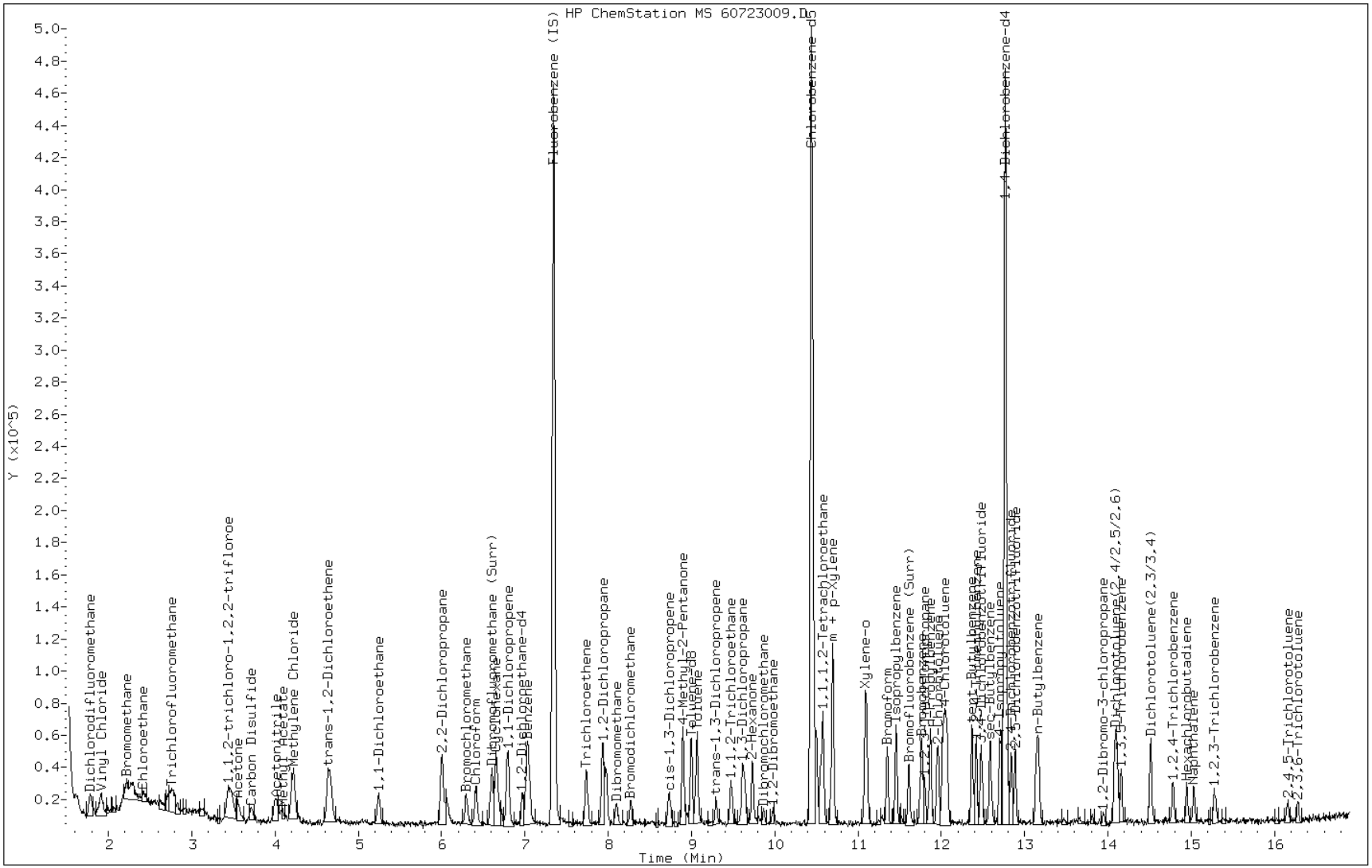
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: 60723009.D

Date: 23-JUL-2012 18:11

Client ID: vstd1 Instrument: hp6.i

Sample Info: IC, 1 Operator: 001562



Manual Integration Report

Data File: 60723009.D
Inj. Date and Time: 23-JUL-2012 18:11
Instrument ID: hp6.i
Client ID: vstd1
Compound: 4 Bromomethane
CAS #: 74-83-9
Report Date: 07/25/2012

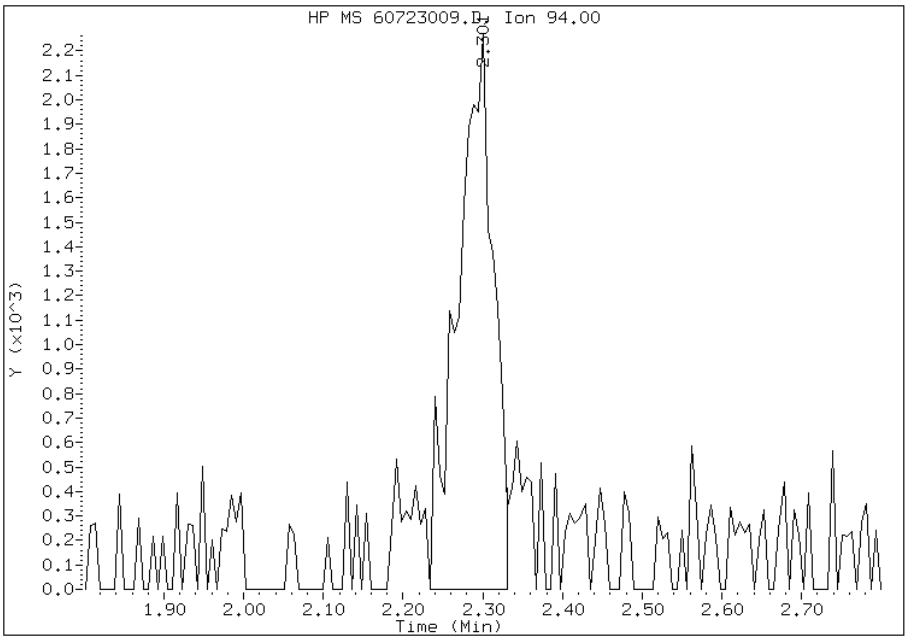
Processing Integration Results

RT: 2.30

Response: 7201

Amount: 6

Conc: 6



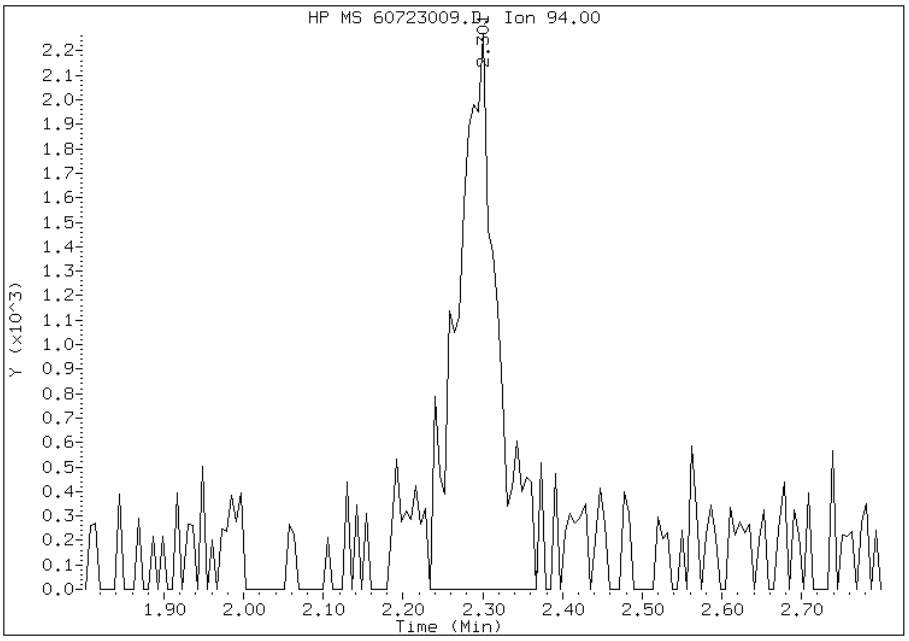
Manual Integration Results

RT: 2.30

Response: 8045

Amount: 0

Conc: 0



Manually Integrated By: zukowskim
Modification Date: 24-Jul-2012 02:33
Manual Integration Reason:

Manual Integration Report

Data File: 60723009.D
Inj. Date and Time: 23-JUL-2012 18:11
Instrument ID: hp6.i
Client ID: vstd1
Compound: 13 Acetone
CAS #: 67-64-1
Report Date: 07/25/2012

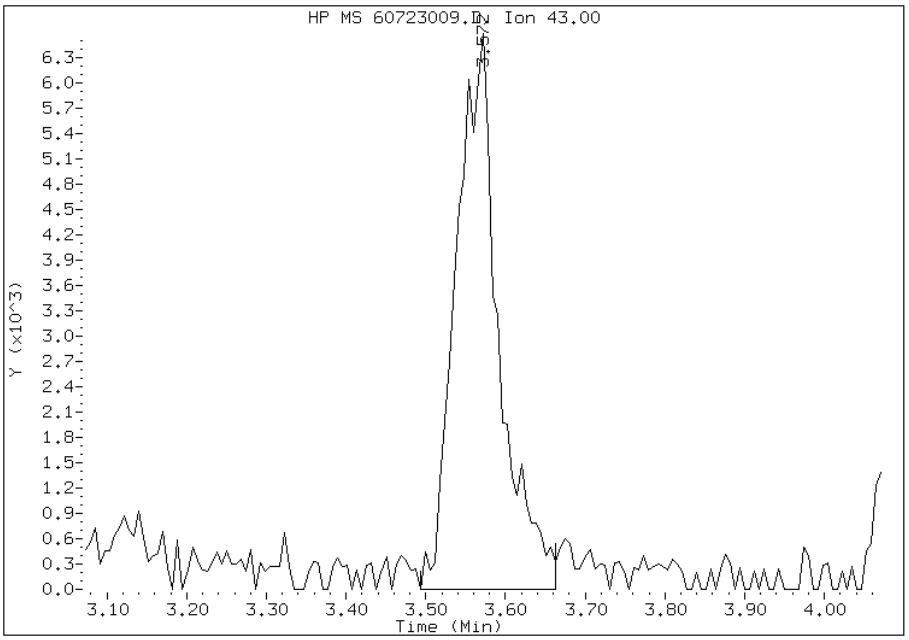
Processing Integration Results

RT: 3.57

Response: 25019

Amount: 29

Conc: 29



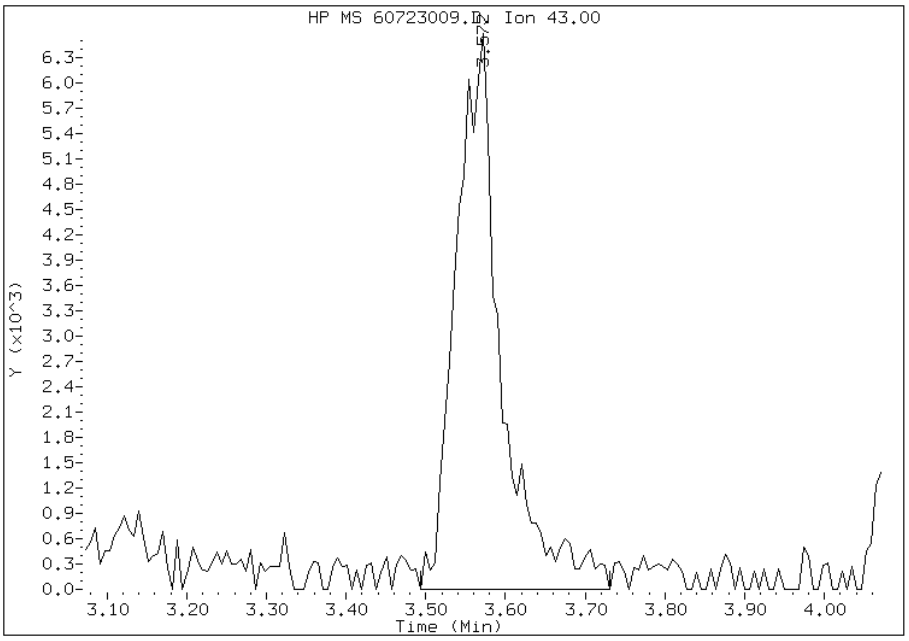
Manual Integration Results

RT: 3.57

Response: 26413

Amount: 0

Conc: 0



Manually Integrated By: zukowskim
Modification Date: 24-Jul-2012 01:32
Manual Integration Reason: Peak Integrated Incorrectly

Manual Integration Report

Data File: 60723009.D
Inj. Date and Time: 23-JUL-2012 18:11
Instrument ID: hp6.i
Client ID: vstd1
Compound: 17 Acetonitrile
CAS #: 75-05-8
Report Date: 07/25/2012

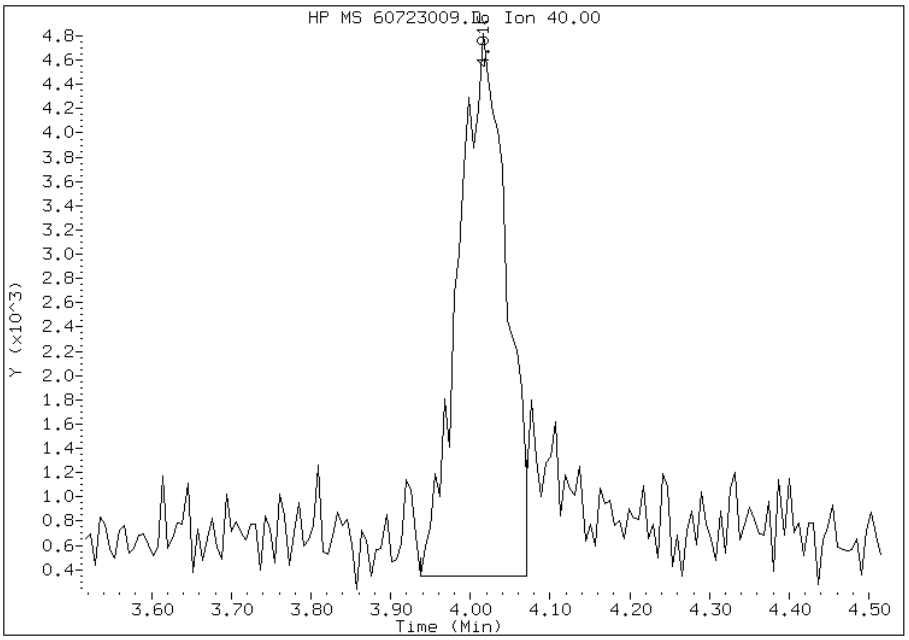
Processing Integration Results

RT: 4.02

Response: 18995

Amount: 92

Conc: 92



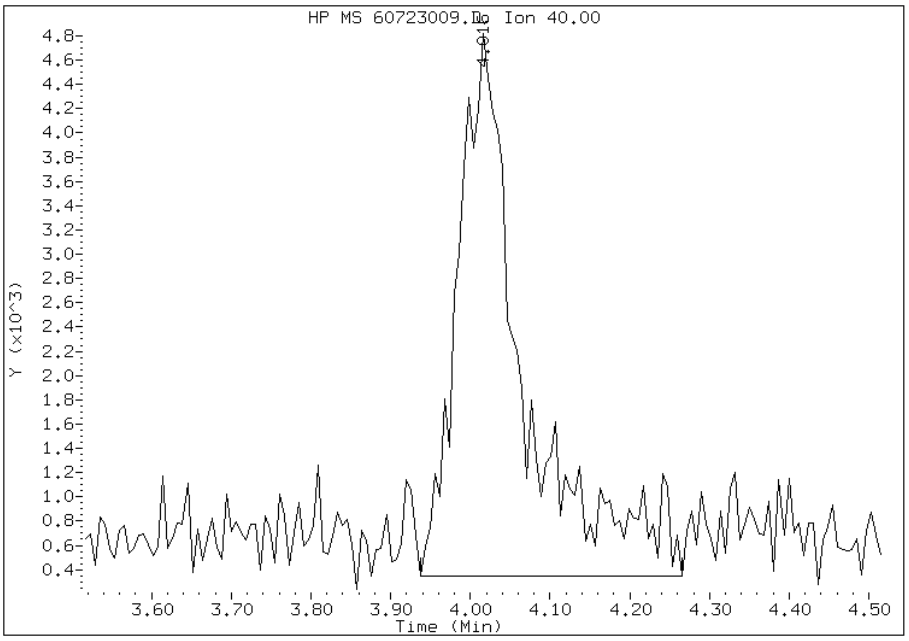
Manual Integration Results

RT: 4.02

Response: 26004

Amount: 0

Conc: 0



Manually Integrated By: zukowskim
Modification Date: 24-Jul-2012 01:32
Manual Integration Reason: Peak Integrated Incorrectly

Manual Integration Report

Data File: 60723009.D
Inj. Date and Time: 23-JUL-2012 18:11
Instrument ID: hp6.i
Client ID: vstd1
Compound: 156 Methyl Acetate
CAS #: 79-20-9
Report Date: 07/25/2012

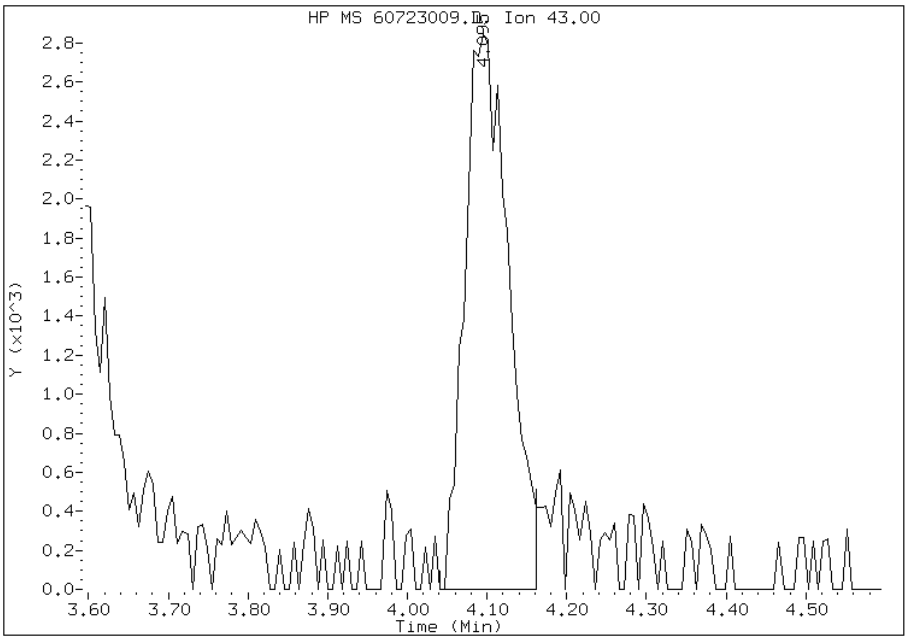
Processing Integration Results

RT: 4.10

Response: 11050

Amount: 5

Conc: 5



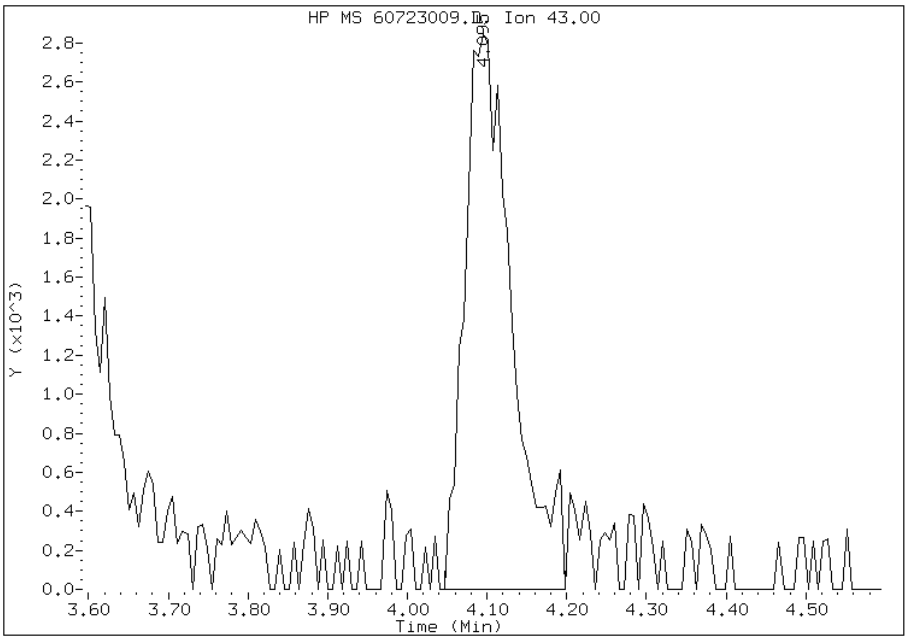
Manual Integration Results

RT: 4.10

Response: 11878

Amount: 0

Conc: 0



Manually Integrated By: zukowskim
Modification Date: 24-Jul-2012 01:33
Manual Integration Reason: Peak Integrated Incorrectly

Manual Integration Report

Data File: 60723009.D
Inj. Date and Time: 23-JUL-2012 18:11
Instrument ID: hp6.i
Client ID: vstd1
Compound: 31 2-Butanone
CAS #: 78-93-3
Report Date: 07/25/2012

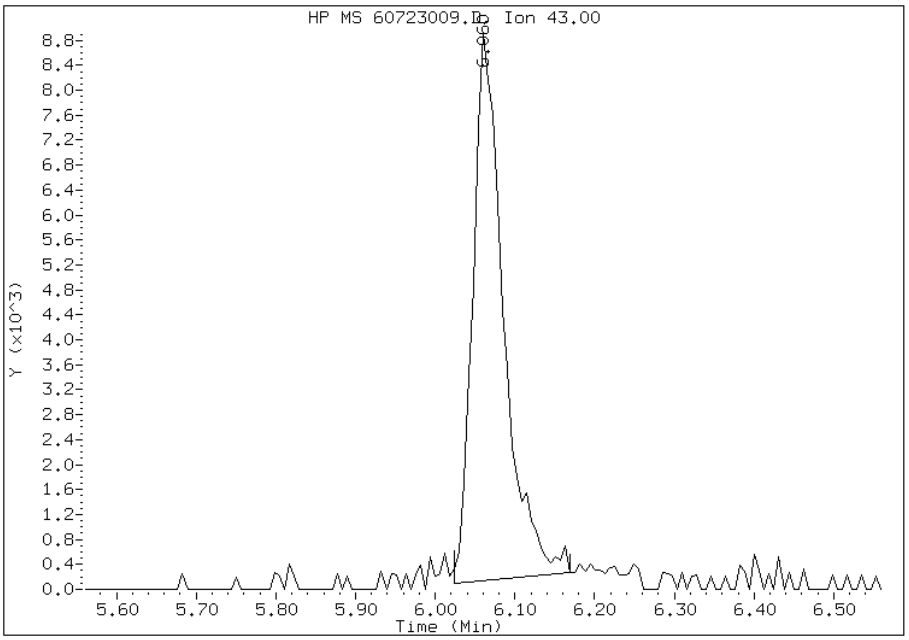
Processing Integration Results

RT: 6.06

Response: 23859

Amount: 19

Conc: 19



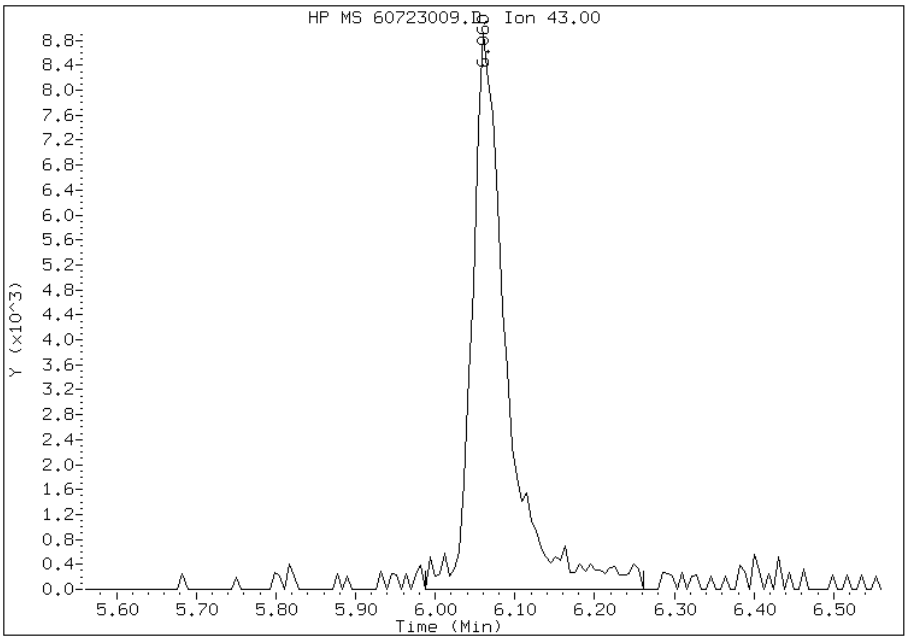
Manual Integration Results

RT: 6.06

Response: 27742

Amount: 0

Conc: 0



Manually Integrated By: zukowskim
Modification Date: 24-Jul-2012 01:32
Manual Integration Reason: Peak Integrated Incorrectly

Manual Integration Report

Data File: 60723009.D
Inj. Date and Time: 23-JUL-2012 18:11
Instrument ID: hp6.i
Client ID: vstd1
Compound: 66 2-Hexanone
CAS #: 591-78-6
Report Date: 07/25/2012

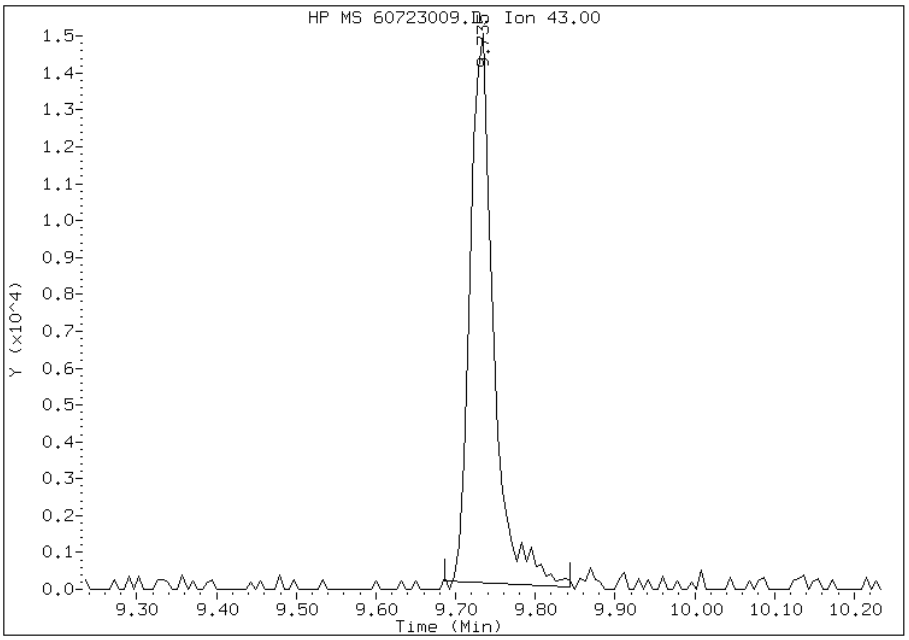
Processing Integration Results

RT: 9.73

Response: 31068

Amount: 19

Conc: 19



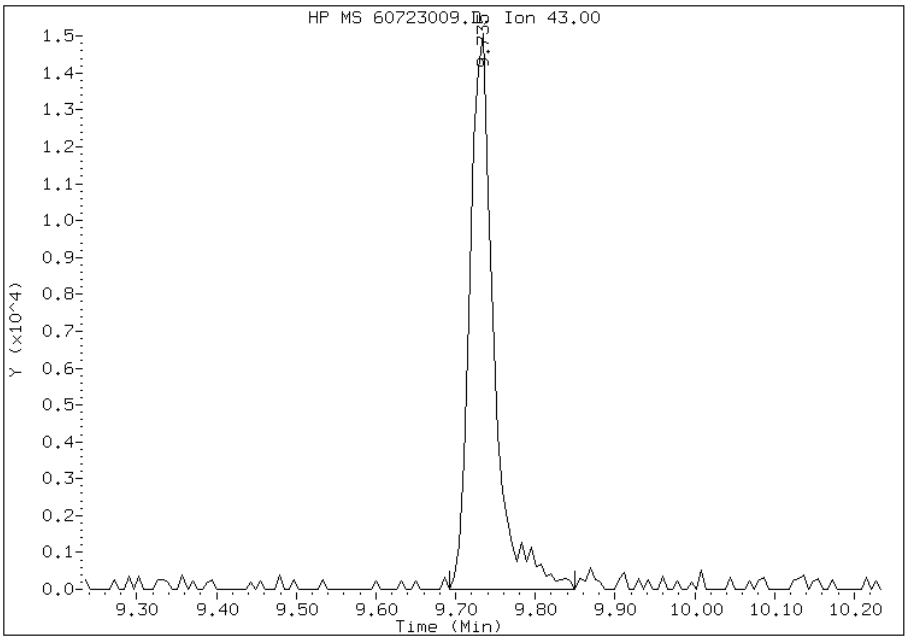
Manual Integration Results

RT: 9.73

Response: 32440

Amount: 0

Conc: 0



Manually Integrated By: zukowskim
Modification Date: 24-Jul-2012 01:32
Manual Integration Reason: Peak Integrated Incorrectly

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6072312LL.b\60723010.D
Lab Smp Id: IC Client Smp ID: vstd5
Inj Date : 23-JUL-2012 18:35
Operator : 001562 Inst ID: hp6.i
Smp Info : IC, 5
Misc Info : T6072312f.b,T8260bllw.m,1-dwh2o.sub
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6072312LL.b\T8260bllw.m
Meth Date : 25-Jul-2012 08:16 hp6.i Quant Type: ISTD
Cal Date : 23-JUL-2012 18:11 Cal File: 60723009.D
Als bottle: 58 Calibration Sample, Level: 2
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: 1-dwh2o.sub
Target Version: 4.14
Processing Host: PITPC-002

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 46 Fluorobenzene (IS)	96	7.345	7.345	(1.000)	450752	50.0000	
* 69 Chlorobenzene-d5	119	10.442	10.442	(1.000)	86855	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.766	12.766	(1.000)	146496	50.0000	
$ 39 Dibromofluoromethane (Surr)	113	6.597	6.597	(0.898)	49280	25.0000	26.27
$ 43 1,2-Dichloroethane-d4	65	6.974	6.974	(0.949)	75690	25.0000	20.47
$ 59 Toluene-d8	98	9.000	9.000	(0.862)	194328	25.0000	25.80
$ 80 Bromofluorobenzene (Surr)	95	11.616	11.616	(1.112)	75468	25.0000	23.23
1 Dichlorodifluoromethane	85	1.627	1.627	(0.222)	69275	25.0000	25.48
2 Chloromethane	50	1.779	1.779	(0.242)	96407	25.0000	21.97
3 Vinyl Chloride	62	1.913	1.913	(0.260)	75108	25.0000	24.26
4 Bromomethane	94	2.290	2.290	(0.312)	32567	25.0000	19.41
5 Chloroethane	64	2.418	2.418	(0.329)	45947	25.0000	27.48
6 Trichlorofluoromethane	101	2.758	2.758	(0.376)	73383	25.0000	24.14
10 1,1,2-trichloro-1,2,2-trifluor	101	3.470	3.470	(0.472)	55915	25.0000	24.86
12 1,1-Dichloroethene	96	3.434	3.434	(0.467)	50284	25.0000	23.42
15 Carbon Disulfide	76	3.720	3.720	(0.506)	107427	25.0000	25.39
13 Acetone	43	3.555	3.555	(0.484)	54111	50.0000	49.12(M)
17 Acetonitrile	40	4.005	4.005	(0.545)	113917	500.000	420.1(M)
18 Methylene Chloride	84	4.218	4.218	(0.574)	72916	25.0000	16.40
19 trans-1,2-Dichloroethene	96	4.638	4.638	(0.631)	58583	25.0000	24.20
20 Methyl tert-butyl ether	73	4.662	4.662	(0.635)	153329	25.0000	27.66
24 1,1-Dichloroethane	63	5.247	5.247	(0.714)	125414	25.0000	25.29
27 2,2-Dichloropropane	77	6.001	6.001	(0.817)	51058	25.0000	26.20
28 cis-1,2-dichloroethene	96	6.007	6.007	(0.818)	67140	25.0000	21.12
M 29 1,2-Dichloroethene (total)	96				125723	50.0000	45.32
30 Bromochloromethane	128	6.299	6.299	(0.858)	25270	25.0000	23.04(Q)
31 2-Butanone	43	6.068	6.068	(0.826)	65335	50.0000	56.47(M)
37 Chloroform	83	6.415	6.415	(0.873)	107153	25.0000	24.86

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
38 1,1,1-Trichloroethane	97	6.603	6.603	(0.899)	84429	25.0000	27.60
40 1,1-Dichloropropene	75	6.798	6.798	(0.925)	84566	25.0000	27.30
41 Carbon Tetrachloride	117	6.792	6.792	(0.925)	56890	25.0000	25.37
42 Benzene	78	7.029	7.029	(0.957)	242481	25.0000	25.22
45 1,2-Dichloroethane	62	7.053	7.053	(0.960)	101585	25.0000	24.28
47 Trichloroethene	130	7.735	7.735	(1.053)	56376	25.0000	23.18
49 1,2-Dichloropropane	63	7.978	7.978	(1.086)	61529	25.0000	26.48
50 Dibromomethane	93	8.094	8.094	(1.102)	31563	25.0000	27.04
53 Bromodichloromethane	83	8.270	8.270	(1.126)	55262	25.0000	25.71
57 cis-1,3-Dichloropropene	75	8.732	8.732	(1.189)	51437	25.0000	28.95
58 4-Methyl-2-Pentanone	43	8.897	8.897	(0.852)	113857	50.0000	57.91
60 Toluene	91	9.061	9.061	(0.868)	231330	25.0000	27.33
61 trans-1,3-Dichloropropene	75	9.292	9.292	(0.890)	45620	25.0000	28.56
63 1,3-Dichloropropane	76	9.639	9.639	(0.923)	73857	25.0000	24.80
64 1,1,2-Trichloroethane	97	9.475	9.475	(0.907)	40938	25.0000	24.05
65 Tetrachloroethene	164	9.614	9.614	(0.921)	44808	25.0000	26.63
66 2-Hexanone	43	9.730	9.730	(0.932)	78460	50.0000	57.27
67 Dibromochloromethane	129	9.870	9.870	(0.945)	26830	25.0000	28.30
68 1,2-Dibromoethane	107	9.979	9.979	(0.956)	36347	25.0000	26.38
70 Chlorobenzene	112	10.466	10.466	(1.002)	143177	25.0000	25.92
71 1,1,1,2-Tetrachloroethane	131	10.551	10.551	(1.010)	39867	25.0000	31.41(Q)
72 Ethylbenzene	106	10.582	10.582	(1.013)	76124	25.0000	27.18
73 m + p-Xylene	106	10.697	10.697	(1.024)	196844	50.0000	57.27
74 Xylene-o	106	11.093	11.093	(1.062)	94144	25.0000	30.31
M 75 Xylenes (total)	106				290988	75.0000	87.58
76 Styrene	104	11.099	11.099	(1.063)	143097	25.0000	33.24
77 Bromoform	173	11.293	11.293	(1.082)	14105	25.0000	26.99
78 Isopropylbenzene	105	11.458	11.458	(1.097)	249849	25.0000	28.49
79 Bromobenzene	156	11.762	11.762	(0.921)	55094	25.0000	27.06(Q)
81 n-Propylbenzene	120	11.871	11.871	(0.930)	66440	25.0000	28.67(Q)
82 2-Chlorotoluene	126	11.957	11.957	(0.937)	57454	25.0000	25.22(Q)
83 1,1,2,2-Tetrachloroethane	83	11.756	11.756	(0.921)	53461	25.0000	25.75
84 1,2,3-Trichloropropane	110	11.798	11.798	(0.924)	20641	25.0000	26.98(Q)
85 4-Chlorotoluene	126	12.066	12.066	(0.945)	59289	25.0000	27.34(Q)
86 1,3,5-Trimethylbenzene	105	12.042	12.042	(0.943)	214744	25.0000	30.80
87 tert-Butylbenzene	119	12.370	12.370	(0.969)	171020	25.0000	27.64
88 1,2,4-Trimethylbenzene	105	12.419	12.419	(0.973)	212955	25.0000	32.86
89 sec-Butylbenzene	105	12.589	12.589	(0.986)	242642	25.0000	29.20
90 4-Isopropyltoluene	119	12.735	12.735	(0.998)	205141	25.0000	31.32
91 1,3-Dichlorobenzene	146	12.705	12.705	(0.995)	112360	25.0000	25.78
93 1,4-Dichlorobenzene	146	12.790	12.790	(1.002)	120131	25.0000	24.50
94 n-Butylbenzene	91	13.143	13.143	(1.030)	164007	25.0000	30.07
95 1,2-Dichlorobenzene	146	13.167	13.167	(1.031)	109256	25.0000	27.33
96 1,2-Dibromo-3-chloropropane	157	13.952	13.952	(1.093)	6574	25.0000	30.08(Q)
97 1,2,4-Trichlorobenzene	180	14.779	14.779	(1.158)	54306	25.0000	29.54
98 Hexachlorobutadiene	225	14.950	14.950	(1.171)	24008	25.0000	26.20
99 Naphthalene	128	15.035	15.035	(1.178)	121336	25.0000	31.71
100 1,2,3-Trichlorobenzene	180	15.284	15.284	(1.197)	45518	25.0000	28.92
156 Methyl Acetate	43	4.091	4.091	(0.557)	56476	25.0000	22.80
157 Cyclohexane	56	6.658	6.658	(0.906)	135717	25.0000	25.10
158 Methyl Cyclohexane	83	7.935	7.935	(1.080)	97759	25.0000	27.24
160 1,3,5-Trichlorobenzene	180	14.165	14.165	(1.110)	63250	25.0000	29.00
168 3-Chlorobenzotrifluoride	180	10.448	10.448	(1.001)	92044	25.0000	23.65
169 4-Chlorobenzotrifluoride	180	10.503	10.503	(1.006)	84139	25.0000	25.32

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
170 2-Chlorobenzotrifluoride	180	11.348	11.348	(1.087)	88089	25.0000	25.71
171 3-Chlorotoluene	126	12.017	12.017	(0.941)	69448	25.0000	31.61(Q)
172 3,4-Dichlorobenzotrifluoride	214	12.480	12.480	(0.978)	63841	25.0000	23.31
173 2,4-Dichlorobenzotrifluoride	214	12.839	12.839	(1.006)	60170	25.0000	23.14
174 2,5-Dichlorobenzotrifluoride	214	12.887	12.887	(1.010)	63696	25.0000	23.74
175 Dichlorotoluene(2,4/2,5/2,6)	125	14.098	14.098	(1.104)	235049	75.0000	91.21
176 Dichlorotoluene(2,3/3,4)	125	14.512	14.512	(1.137)	161060	50.0000	63.70
177 2,4,5-Trichlorotoluene	159	16.160	16.160	(1.266)	18294	25.0000	25.59
178 2,3,6-Trichlorotoluene	159	16.276	16.276	(1.275)	16191	25.0000	25.44

QC Flag Legend

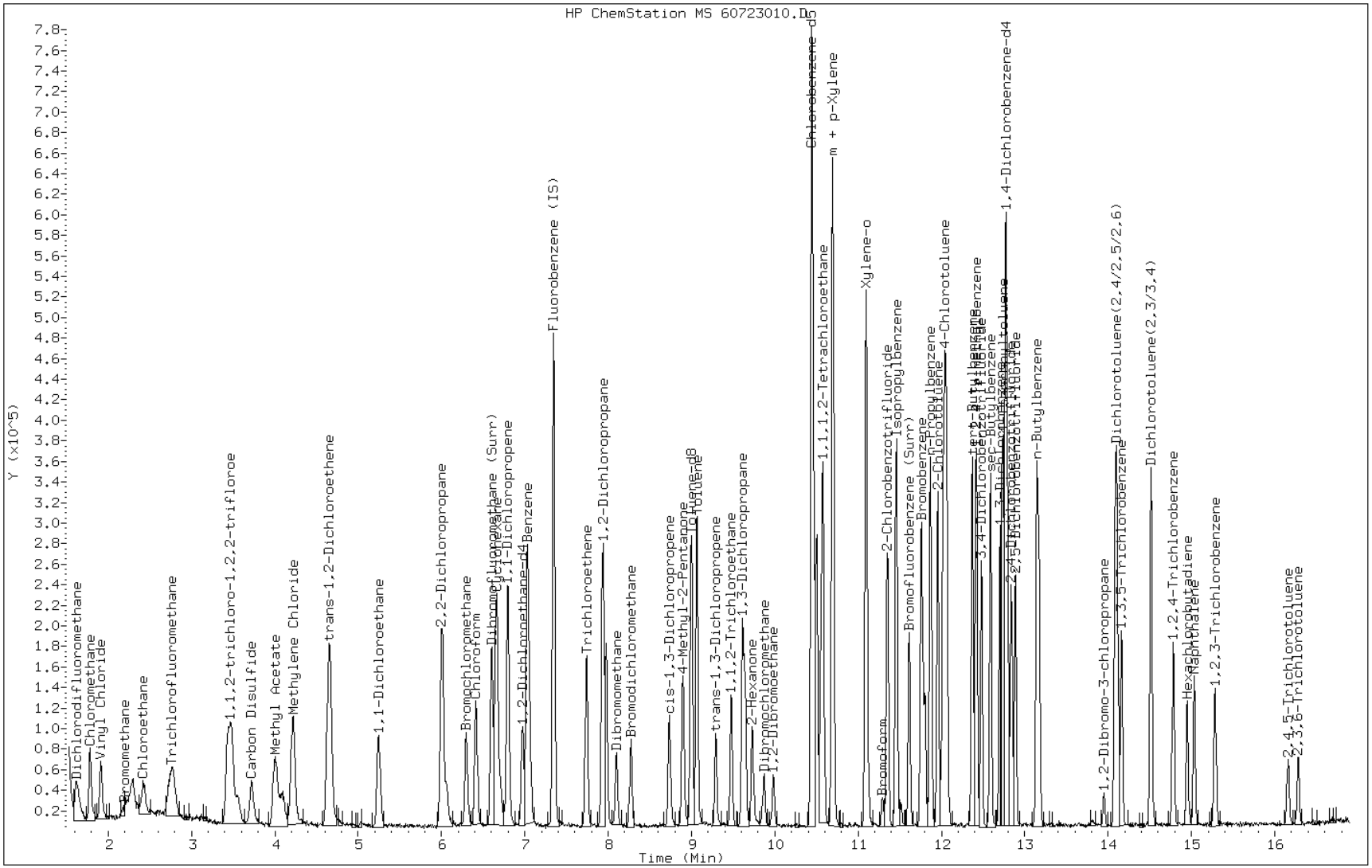
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: 60723010.D

Date: 23-JUL-2012 18:35

Client ID: vstd5 Instrument: hp6.i

Sample Info: IC, 5 Operator: 001562



Manual Integration Report

Data File: 60723010.D
Inj. Date and Time: 23-JUL-2012 18:35
Instrument ID: hp6.i
Client ID: vstd5
Compound: 13 Acetone
CAS #: 67-64-1
Report Date: 07/25/2012

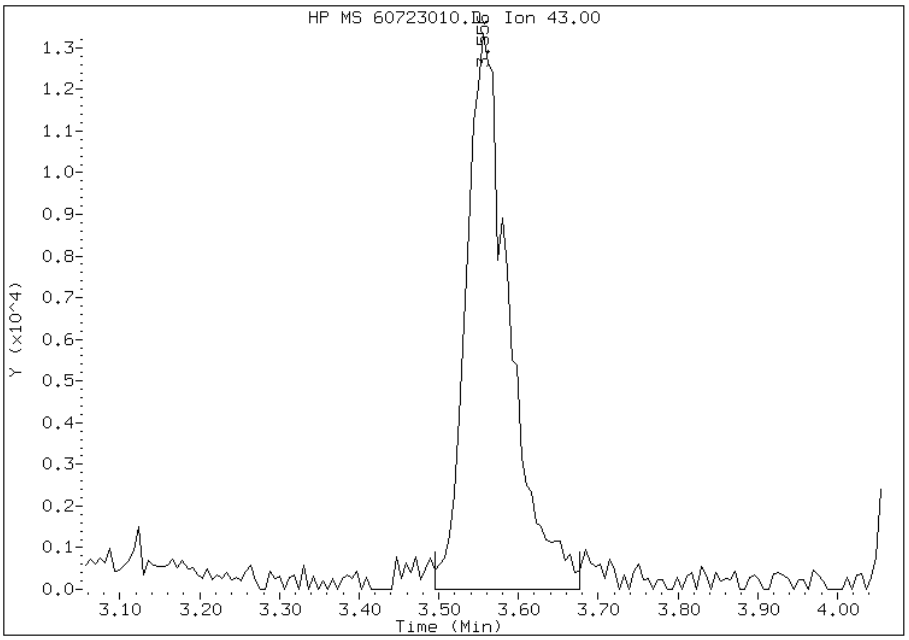
Processing Integration Results

RT: 3.56

Response: 51008

Amount: 56

Conc: 280



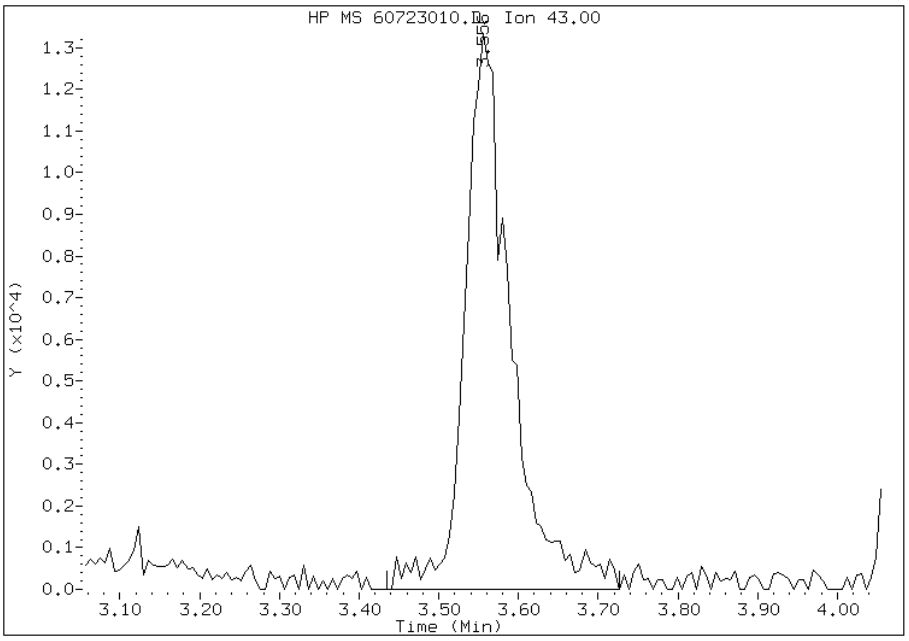
Manual Integration Results

RT: 3.56

Response: 54111

Amount: 49

Conc: 246



Manually Integrated By: zukowskim
Modification Date: 24-Jul-2012 01:33
Manual Integration Reason: Peak Integrated Incorrectly

Manual Integration Report

Data File: 60723010.D
Inj. Date and Time: 23-JUL-2012 18:35
Instrument ID: hp6.i
Client ID: vstd5
Compound: 17 Acetonitrile
CAS #: 75-05-8
Report Date: 07/25/2012

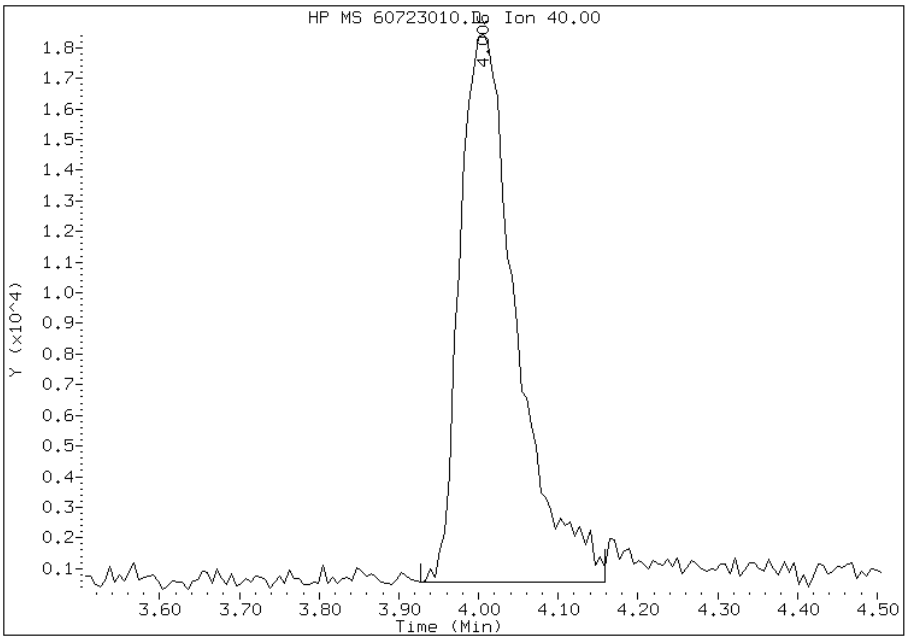
Processing Integration Results

RT: 4.01

Response: 88859

Amount: 412

Conc: 2059



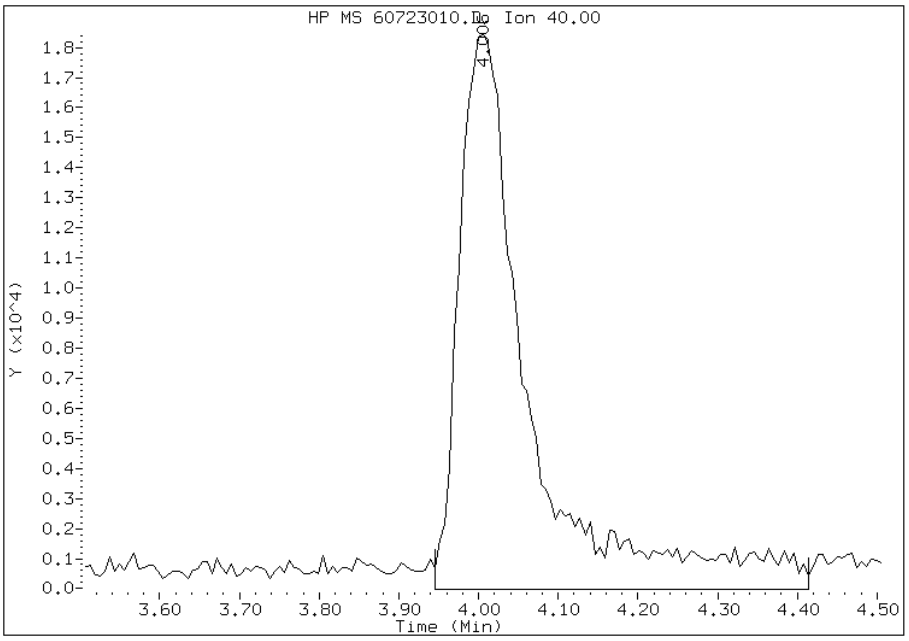
Manual Integration Results

RT: 4.01

Response: 113917

Amount: 420

Conc: 2101



Manually Integrated By: zukowskim
Modification Date: 24-Jul-2012 01:35
Manual Integration Reason: Peak Integrated Incorrectly

Manual Integration Report

Data File: 60723010.D
Inj. Date and Time: 23-JUL-2012 18:35
Instrument ID: hp6.i
Client ID: vstd5
Compound: 31 2-Butanone
CAS #: 78-93-3
Report Date: 07/25/2012

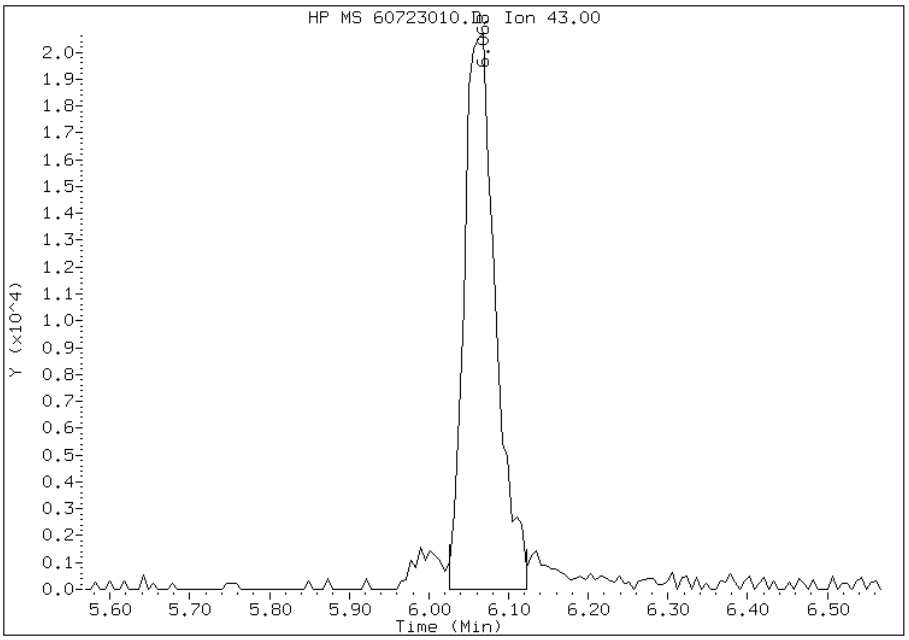
Processing Integration Results

RT: 6.07

Response: 57373

Amount: 43

Conc: 217



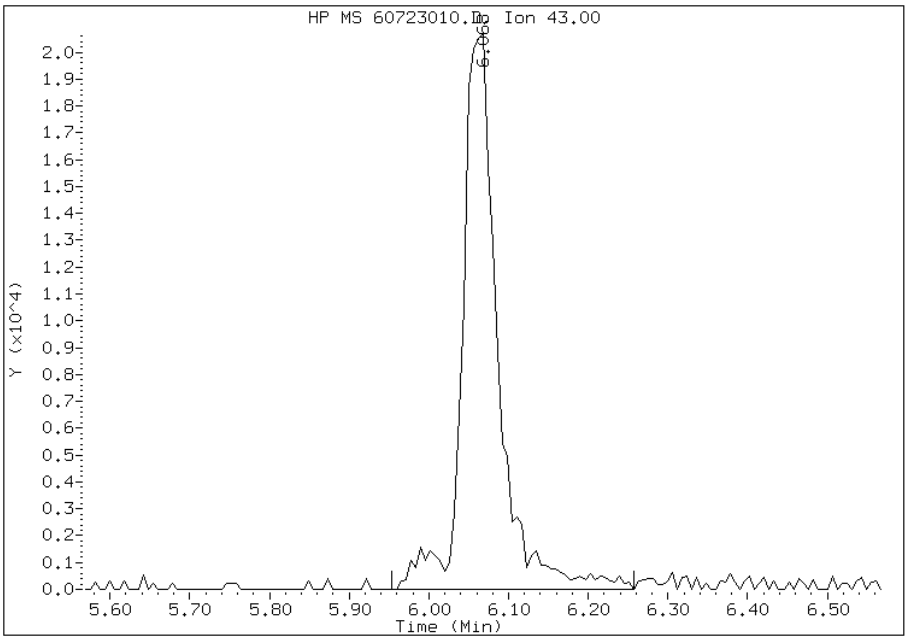
Manual Integration Results

RT: 6.07

Response: 65335

Amount: 56

Conc: 282



Manually Integrated By: zukowskim
Modification Date: 24-Jul-2012 01:35
Manual Integration Reason: Peak Integrated Incorrectly

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6072312LL.b\60723011.D
Lab Smp Id: ICIS Client Smp ID: ICIS
Inj Date : 23-JUL-2012 18:59
Operator : 001562 Inst ID: hp6.i
Smp Info : ICIS, 10
Misc Info : T6072312f.b,T8260bllw.m,1-dwh2o.sub
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6072312LL.b\T8260bllw.m
Meth Date : 08-Aug-2012 07:35 hp6.i Quant Type: ISTD
Cal Date : 23-JUL-2012 18:59 Cal File: 60723011.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-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	7.342	7.342	(1.000)	434173	50.0000	
* 69 Chlorobenzene-d5	119	10.438	10.438	(1.000)	91860	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.768	12.768	(1.000)	146055	50.0000	
$ 39 Dibromofluoromethane (Surr)	113	6.600	6.600	(0.899)	92408	50.0000	50.02
$ 43 1,2-Dichloroethane-d4	65	6.971	6.971	(0.949)	138438	50.0000	47.04
$ 59 Toluene-d8	98	8.997	8.997	(0.862)	371160	50.0000	47.98
$ 80 Bromofluorobenzene (Surr)	95	11.613	11.613	(1.112)	147507	50.0000	48.17
1 Dichlorodifluoromethane	85	1.617	1.617	(0.220)	146496	50.0000	56.74
2 Chloromethane	50	1.782	1.782	(0.243)	206654	50.0000	54.13
3 Vinyl Chloride	62	1.915	1.915	(0.261)	161799	50.0000	55.57
4 Bromomethane	94	2.293	2.293	(0.312)	56649	50.0000	51.45
5 Chloroethane	64	2.426	2.426	(0.331)	91511	50.0000	54.98
6 Trichlorofluoromethane	101	2.749	2.749	(0.374)	161468	50.0000	56.10
10 1,1,2-trichloro-1,2,2-trifluor	101	3.479	3.479	(0.474)	122443	50.0000	57.69
12 1,1-Dichloroethene	96	3.430	3.430	(0.467)	112198	50.0000	55.56
15 Carbon Disulfide	76	3.722	3.722	(0.507)	235244	50.0000	52.86
13 Acetone	43	3.552	3.552	(0.484)	105020	100.000	108.0(M)
17 Acetonitrile	40	4.002	4.002	(0.545)	247420	1000.00	1127(M)
18 Methylene Chloride	84	4.215	4.215	(0.574)	135571	50.0000	49.78
19 trans-1,2-Dichloroethene	96	4.641	4.641	(0.632)	123983	50.0000	54.43
20 Methyl tert-butyl ether	73	4.665	4.665	(0.635)	323717	50.0000	53.76
24 1,1-Dichloroethane	63	5.243	5.243	(0.714)	261033	50.0000	53.80
27 2,2-Dichloropropane	77	5.991	5.991	(0.816)	102903	50.0000	52.41
28 cis-1,2-dichloroethene	96	6.010	6.010	(0.819)	134695	50.0000	51.43
M 29 1,2-Dichloroethene (total)	96				258678	100.000	105.9
30 Bromochloromethane	128	6.296	6.296	(0.857)	56768	50.0000	54.34
31 2-Butanone	43	6.058	6.058	(0.825)	132431	100.000	109.1(M)
37 Chloroform	83	6.411	6.411	(0.873)	223415	50.0000	54.45

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	38 1,1,1-Trichloroethane	97	6.600	6.600	(0.899)	176326	50.0000	54.09
	40 1,1-Dichloropropene	75	6.794	6.794	(0.925)	183360	50.0000	55.81
	41 Carbon Tetrachloride	117	6.794	6.794	(0.925)	128833	50.0000	53.47
	42 Benzene	78	7.026	7.026	(0.957)	510682	50.0000	53.86
	45 1,2-Dichloroethane	62	7.056	7.056	(0.961)	214170	50.0000	54.45
	47 Trichloroethene	130	7.737	7.737	(1.054)	122133	50.0000	53.37
	49 1,2-Dichloropropane	63	7.975	7.975	(1.086)	126577	50.0000	53.11
	50 Dibromomethane	93	8.096	8.096	(1.103)	64720	50.0000	53.35
	53 Bromodichloromethane	83	8.273	8.273	(1.127)	120439	50.0000	51.63
	57 cis-1,3-Dichloropropene	75	8.729	8.729	(1.189)	119472	50.0000	50.18
	58 4-Methyl-2-Pentanone	43	8.893	8.893	(0.852)	266080	100.000	111.1
	60 Toluene	91	9.064	9.064	(0.868)	499019	50.0000	52.94
	61 trans-1,3-Dichloropropene	75	9.295	9.295	(0.890)	108830	50.0000	51.63
	63 1,3-Dichloropropane	76	9.641	9.641	(0.924)	161622	50.0000	53.55
	64 1,1,2-Trichloroethane	97	9.477	9.477	(0.908)	86871	50.0000	52.73
	65 Tetrachloroethene	164	9.611	9.611	(0.921)	91738	50.0000	52.68
	66 2-Hexanone	43	9.727	9.727	(0.932)	183188	100.000	111.0
	67 Dibromochloromethane	129	9.873	9.873	(0.946)	60081	50.0000	50.00
	68 1,2-Dibromoethane	107	9.982	9.982	(0.956)	80606	50.0000	53.49
	70 Chlorobenzene	112	10.469	10.469	(1.003)	305052	50.0000	53.42
	71 1,1,1,2-Tetrachloroethane	131	10.554	10.554	(1.011)	90937	50.0000	55.21
	72 Ethylbenzene	106	10.578	10.578	(1.013)	171161	50.0000	54.44
	73 m + p-Xylene	106	10.694	10.694	(1.024)	428156	100.000	108.9
	74 Xylene-o	106	11.089	11.089	(1.062)	213224	50.0000	55.48
M	75 Xylenes (total)	106				641380	150.000	164.3
	76 Styrene	104	11.102	11.102	(1.064)	321145	50.0000	55.04
	77 Bromoform	173	11.296	11.296	(1.082)	31583	50.0000	49.15
	78 Isopropylbenzene	105	11.454	11.454	(1.097)	561844	50.0000	54.77
	79 Bromobenzene	156	11.765	11.765	(0.921)	120590	50.0000	54.72
	81 n-Propylbenzene	120	11.868	11.868	(0.929)	147016	50.0000	53.31
	82 2-Chlorotoluene	126	11.959	11.959	(0.937)	126836	50.0000	53.61
	83 1,1,2,2-Tetrachloroethane	83	11.752	11.752	(0.920)	117029	50.0000	53.51
	84 1,2,3-Trichloropropane	110	11.801	11.801	(0.924)	42939	50.0000	54.08
	85 4-Chlorotoluene	126	12.063	12.063	(0.945)	145872	50.0000	57.77
	86 1,3,5-Trimethylbenzene	105	12.044	12.044	(0.943)	472743	50.0000	55.09
	87 tert-Butylbenzene	119	12.373	12.373	(0.969)	395017	50.0000	54.63
	88 1,2,4-Trimethylbenzene	105	12.416	12.416	(0.972)	462064	50.0000	54.56
	89 sec-Butylbenzene	105	12.592	12.592	(0.986)	535703	50.0000	54.46
	90 4-Isopropyltoluene	119	12.732	12.732	(0.997)	453938	50.0000	53.80
	91 1,3-Dichlorobenzene	146	12.701	12.701	(0.995)	235372	50.0000	52.80
	93 1,4-Dichlorobenzene	146	12.793	12.793	(1.002)	244391	50.0000	52.61
	94 n-Butylbenzene	91	13.146	13.146	(1.030)	378861	50.0000	54.07
	95 1,2-Dichlorobenzene	146	13.170	13.170	(1.031)	222668	50.0000	53.08
	96 1,2-Dibromo-3-chloropropane	157	13.955	13.955	(1.093)	13537	50.0000	48.83
	97 1,2,4-Trichlorobenzene	180	14.782	14.782	(1.158)	110394	50.0000	51.54
	98 Hexachlorobutadiene	225	14.946	14.946	(1.171)	51351	50.0000	54.17
	99 Naphthalene	128	15.031	15.031	(1.177)	272819	50.0000	52.28
	100 1,2,3-Trichlorobenzene	180	15.281	15.281	(1.197)	88033	50.0000	50.41
	156 Methyl Acetate	43	4.093	4.093	(0.558)	120204	50.0000	53.89
	157 Cyclohexane	56	6.654	6.654	(0.906)	292164	50.0000	54.14
	158 Methyl Cyclohexane	83	7.938	7.938	(1.081)	212518	50.0000	54.80
	160 1,3,5-Trichlorobenzene	180	14.161	14.161	(1.109)	131498	50.0000	53.04
	168 3-Chlorobenzotrifluoride	180	10.444	10.444	(1.001)	183966	50.0000	51.44
	169 4-Chlorobenzotrifluoride	180	10.505	10.505	(1.006)	166071	50.0000	51.26

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
170 2-Chlorobenzotrifluoride	180	11.351	11.351	(1.087)	182040	50.0000	53.30
171 3-Chlorotoluene	126	12.014	12.014	(0.941)	144697	50.0000	54.99
172 3,4-Dichlorobenzotrifluoride	214	12.482	12.482	(0.978)	138192	50.0000	52.80
173 2,4-Dichlorobenzotrifluoride	214	12.835	12.835	(1.005)	115874	50.0000	49.60
174 2,5-Dichlorobenzotrifluoride	214	12.890	12.890	(1.010)	140027	50.0000	53.09
175 Dichlorotoluene(2,4/2,5/2,6)	125	14.095	14.095	(1.104)	501791	150.000	157.1
176 Dichlorotoluene(2,3/3,4)	125	14.514	14.514	(1.137)	324614	100.000	101.4
177 2,4,5-Trichlorotoluene	159	16.163	16.163	(1.266)	40067	50.0000	48.98
178 2,3,6-Trichlorotoluene	159	16.279	16.279	(1.275)	36146	50.0000	49.98

QC Flag Legend

M - Compound response manually integrated.

Data File: 60723011.D

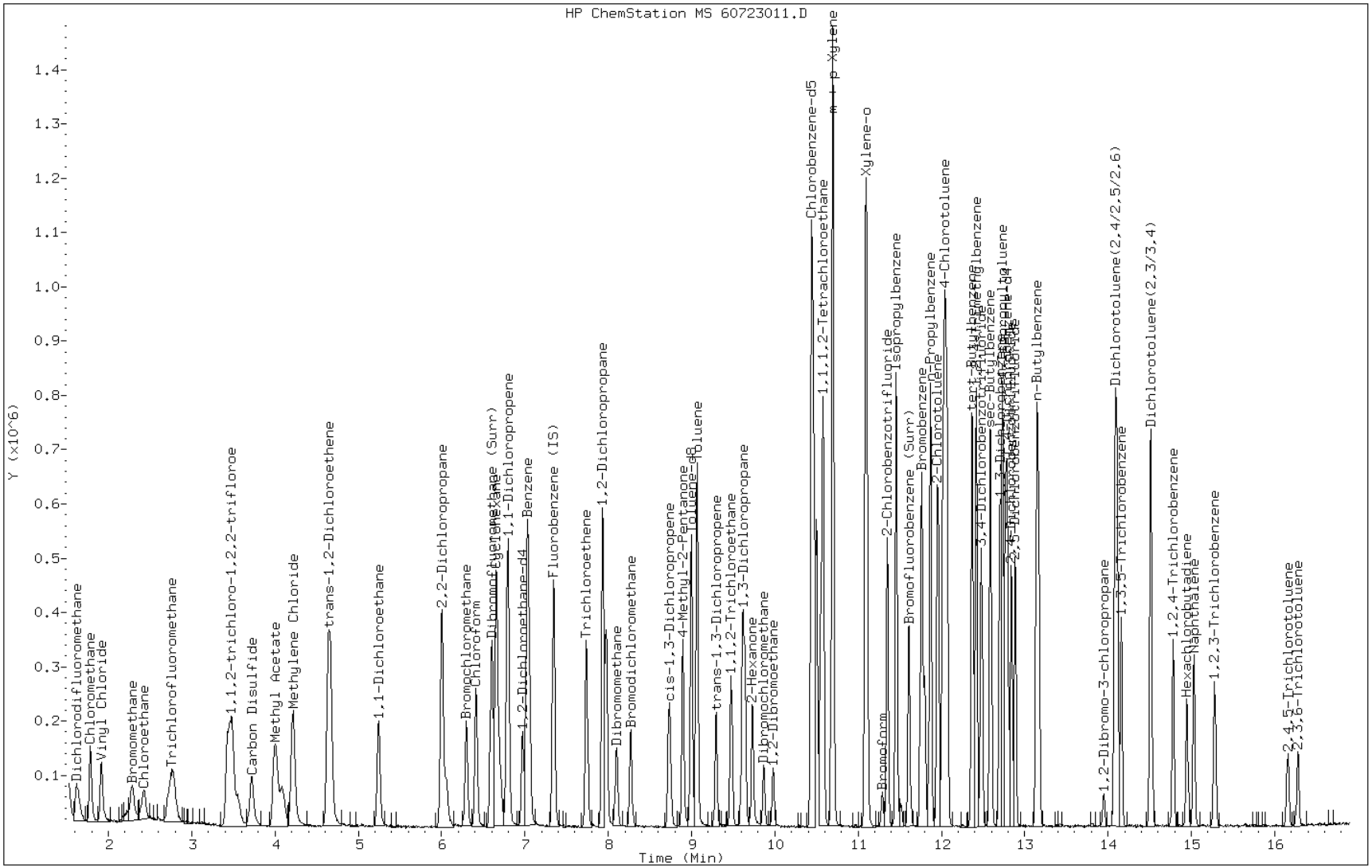
Date: 23-JUL-2012 18:59

Client ID: ICIS

Instrument: hp6.i

Sample Info: ICIS, 10

Operator: 001562



Manual Integration Report

Data File: 60723011.D
Inj. Date and Time: 23-JUL-2012 18:59
Instrument ID: hp6.i
Client ID: ICIS
Compound: 13 Acetone
CAS #: 67-64-1
Report Date: 08/08/2012

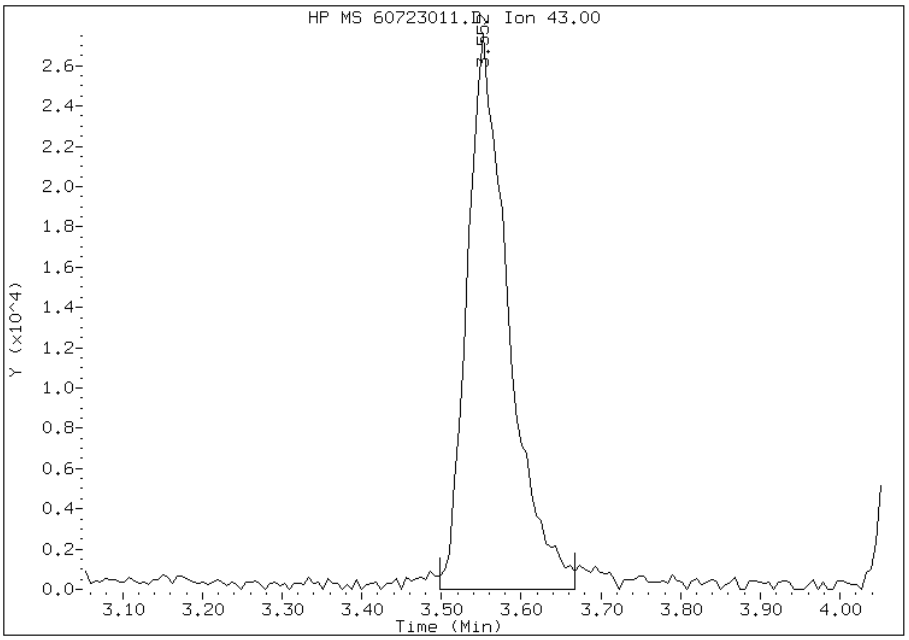
Processing Integration Results

RT: 3.55

Response: 100872

Amount: 115

Conc: 1151



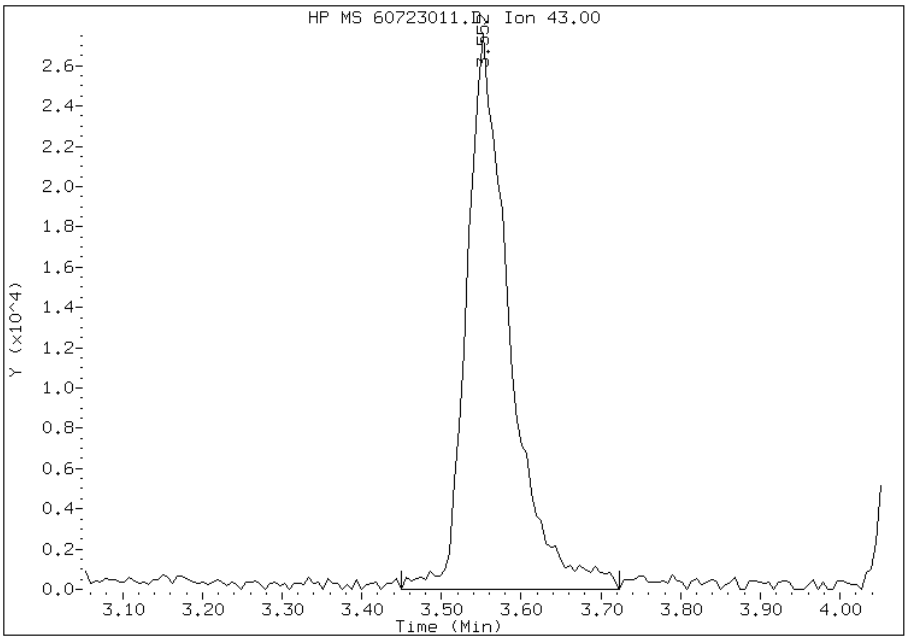
Manual Integration Results

RT: 3.55

Response: 105020

Amount: 108

Conc: 108



Manually Integrated By: zukowskim
Modification Date: 24-Jul-2012 01:36
Manual Integration Reason: Peak Integrated Incorrectly

Manual Integration Report

Data File: 60723011.D
Inj. Date and Time: 23-JUL-2012 18:59
Instrument ID: hp6.i
Client ID: ICIS
Compound: 17 Acetonitrile
CAS #: 75-05-8
Report Date: 08/08/2012

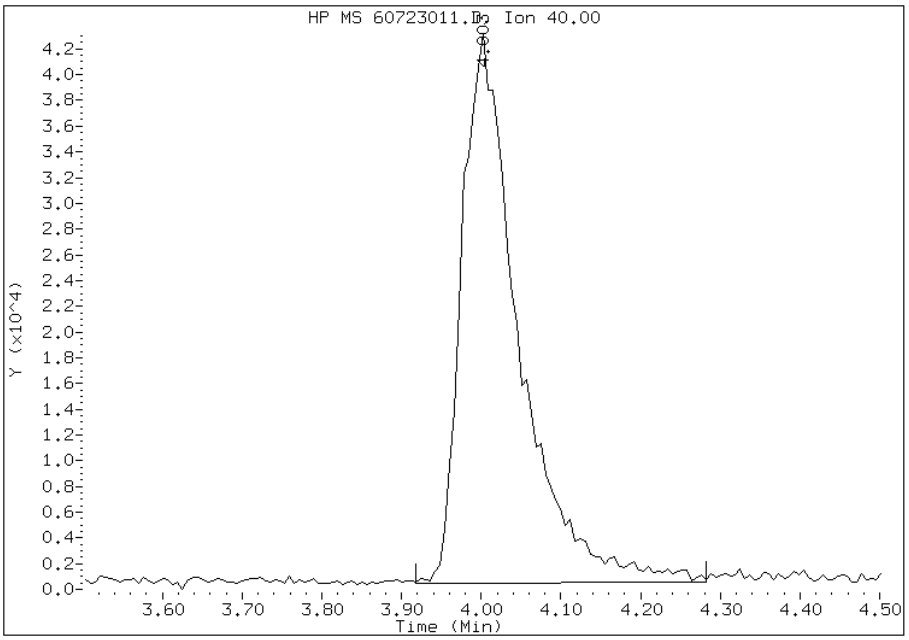
Processing Integration Results

RT: 4.00

Response: 215974

Amount: 1039

Conc: 10393



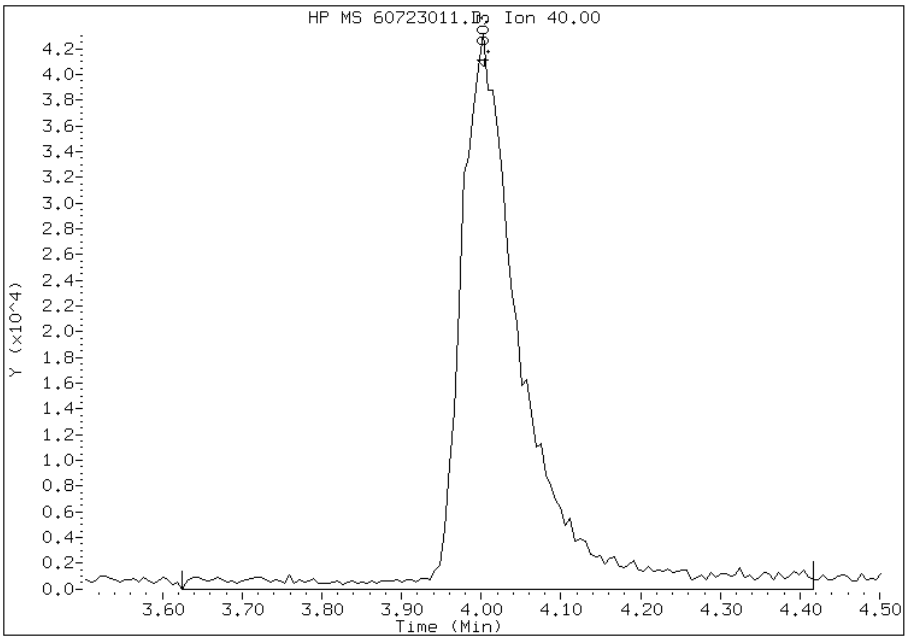
Manual Integration Results

RT: 4.00

Response: 247420

Amount: 1127

Conc: 1127



Manually Integrated By: zukowskim
Modification Date: 24-Jul-2012 01:37
Manual Integration Reason: Peak Integrated Incorrectly

Manual Integration Report

Data File: 60723011.D
Inj. Date and Time: 23-JUL-2012 18:59
Instrument ID: hp6.i
Client ID: ICIS
Compound: 31 2-Butanone
CAS #: 78-93-3
Report Date: 08/08/2012

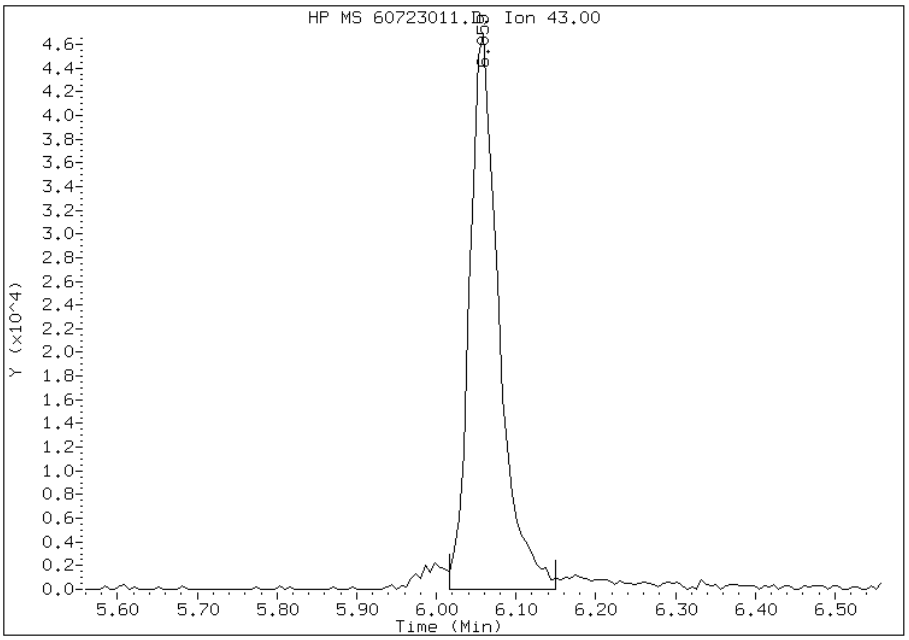
Processing Integration Results

RT: 6.06

Response: 121436

Amount: 95

Conc: 954



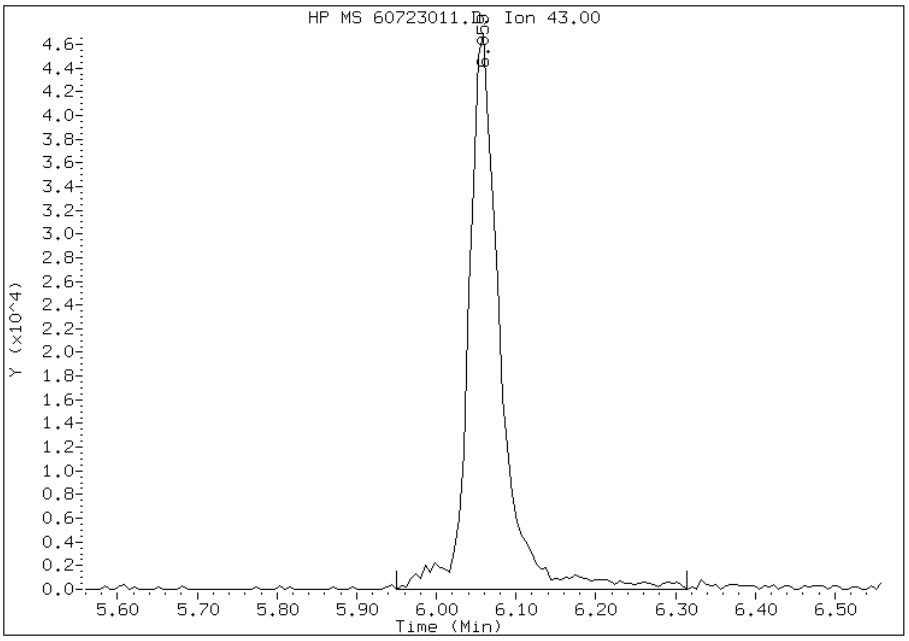
Manual Integration Results

RT: 6.06

Response: 132431

Amount: 109

Conc: 109



Manually Integrated By: zukowskim
Modification Date: 24-Jul-2012 01:38
Manual Integration Reason: Peak Integrated Incorrectly

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6072312LL.b\60723012.D
Lab Smp Id: IC Client Smp ID: vstd15
Inj Date : 23-JUL-2012 19:23
Operator : 001562 Inst ID: hp6.i
Smp Info : IC, 15
Misc Info : T6072312f.b,T8260bllw.m,1-dwh2o.sub
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6072312LL.b\T8260bllw.m
Meth Date : 25-Jul-2012 08:16 hp6.i Quant Type: ISTD
Cal Date : 23-JUL-2012 18:59 Cal File: 60723011.D
Als bottle: 60 Calibration Sample, Level: 4
Dil Factor: 15.00000
Integrator: HP RTE Compound Sublist: 1-dwh2o.sub
Target Version: 4.14
Processing Host: PITPC-002

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 46 Fluorobenzene (IS)	96	7.343	7.343	(1.000)	451745	50.0000	
* 69 Chlorobenzene-d5	119	10.439	10.439	(1.000)	92036	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.769	12.769	(1.000)	152431	50.0000	
$ 39 Dibromofluoromethane (Surr)	113	6.595	6.595	(0.898)	142885	75.0000	74.18
$ 43 1,2-Dichloroethane-d4	65	6.972	6.972	(0.949)	222078	75.0000	69.24
$ 59 Toluene-d8	98	8.998	8.998	(0.862)	594956	75.0000	75.46
$ 80 Bromofluorobenzene (Surr)	95	11.607	11.607	(1.112)	235315	75.0000	73.56
1 Dichlorodifluoromethane	85	1.624	1.624	(0.221)	206520	75.0000	72.46
2 Chloromethane	50	1.783	1.783	(0.243)	294920	75.0000	70.42
3 Vinyl Chloride	62	1.916	1.916	(0.261)	227663	75.0000	72.04
4 Bromomethane	94	2.288	2.288	(0.312)	69607	75.0000	50.13
5 Chloroethane	64	2.409	2.409	(0.328)	120428	75.0000	66.63
6 Trichlorofluoromethane	101	2.744	2.744	(0.374)	222464	75.0000	71.40
10 1,1,2-trichloro-1,2,2-trifluor	101	3.480	3.480	(0.474)	166644	75.0000	70.97
12 1,1-Dichloroethene	96	3.431	3.431	(0.467)	158441	75.0000	73.10
15 Carbon Disulfide	76	3.717	3.717	(0.506)	340943	75.0000	76.09
13 Acetone	43	3.559	3.559	(0.485)	144261	150.000	131.9(M)
17 Acetonitrile	40	4.003	4.003	(0.545)	326247	1500.00	1292
18 Methylene Chloride	84	4.222	4.222	(0.575)	189581	75.0000	55.76
19 trans-1,2-Dichloroethene	96	4.630	4.630	(0.631)	177281	75.0000	72.32
20 Methyl tert-butyl ether	73	4.660	4.660	(0.635)	476289	75.0000	77.49
24 1,1-Dichloroethane	63	5.244	5.244	(0.714)	382388	75.0000	74.35
27 2,2-Dichloropropane	77	5.998	5.998	(0.817)	156297	75.0000	76.35
28 cis-1,2-dichloroethene	96	6.011	6.011	(0.819)	198426	75.0000	68.57
M 29 1,2-Dichloroethene (total)	96				375707	150.000	140.9
30 Bromochloromethane	128	6.297	6.297	(0.858)	83061	75.0000	75.66
31 2-Butanone	43	6.053	6.053	(0.824)	187069	150.000	145.9(M)
37 Chloroform	83	6.412	6.412	(0.873)	317312	75.0000	71.76

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	38 1,1,1-Trichloroethane	97	6.601	6.601	(0.899)	263950	75.0000	78.24
	40 1,1-Dichloropropene	75	6.795	6.795	(0.925)	256974	75.0000	74.77
	41 Carbon Tetrachloride	117	6.789	6.789	(0.925)	191076	75.0000	79.52
	42 Benzene	78	7.027	7.027	(0.957)	745066	75.0000	74.54
	45 1,2-Dichloroethane	62	7.057	7.057	(0.961)	303532	75.0000	71.58
	47 Trichloroethene	130	7.738	7.738	(1.054)	182427	75.0000	75.60
	49 1,2-Dichloropropane	63	7.976	7.976	(1.086)	186438	75.0000	75.29
	50 Dibromomethane	93	8.097	8.097	(1.103)	97214	75.0000	77.11
	53 Bromodichloromethane	83	8.268	8.268	(1.126)	180150	75.0000	78.60
	57 cis-1,3-Dichloropropene	75	8.730	8.730	(1.189)	185928	75.0000	88.14
	58 4-Methyl-2-Pentanone	43	8.894	8.894	(0.852)	377486	150.000	158.1
	60 Toluene	91	9.065	9.065	(0.868)	734032	75.0000	76.53
	61 trans-1,3-Dichloropropene	75	9.296	9.296	(0.890)	165645	75.0000	85.58
	63 1,3-Dichloropropane	76	9.642	9.642	(0.924)	230500	75.0000	72.60
	64 1,1,2-Trichloroethane	97	9.478	9.478	(0.908)	125031	75.0000	71.05
	65 Tetrachloroethene	164	9.612	9.612	(0.921)	139225	75.0000	75.66
	66 2-Hexanone	43	9.728	9.728	(0.932)	260458	150.000	157.8
	67 Dibromochloromethane	129	9.868	9.868	(0.945)	93538	75.0000	83.87
	68 1,2-Dibromoethane	107	9.983	9.983	(0.956)	119754	75.0000	77.83
	70 Chlorobenzene	112	10.470	10.470	(1.003)	449744	75.0000	74.81
	71 1,1,1,2-Tetrachloroethane	131	10.549	10.549	(1.010)	130524	75.0000	80.62
	72 Ethylbenzene	106	10.579	10.579	(1.013)	253448	75.0000	79.00
	73 m + p-Xylene	106	10.695	10.695	(1.024)	631972	150.000	156.6
	74 Xylene-o	106	11.090	11.090	(1.062)	315393	75.0000	81.89
M	75 Xylenes (total)	106				947365	225.000	238.5
	76 Styrene	104	11.103	11.103	(1.064)	478080	75.0000	84.06
	77 Bromoform	173	11.291	11.291	(1.082)	48289	75.0000	81.18
	78 Isopropylbenzene	105	11.455	11.455	(1.097)	836782	75.0000	80.61
	79 Bromobenzene	156	11.766	11.766	(0.921)	174276	75.0000	75.46
	81 n-Propylbenzene	120	11.869	11.869	(0.929)	222521	75.0000	80.96
	82 2-Chlorotoluene	126	11.954	11.954	(0.936)	187612	75.0000	75.96
	83 1,1,2,2-Tetrachloroethane	83	11.753	11.753	(0.920)	169866	75.0000	74.63
	84 1,2,3-Trichloropropane	110	11.796	11.796	(0.924)	61163	75.0000	71.92
	85 4-Chlorotoluene	126	12.064	12.064	(0.945)	192927	75.0000	74.50(Q)
	86 1,3,5-Trimethylbenzene	105	12.039	12.039	(0.943)	689974	75.0000	79.43
	87 tert-Butylbenzene	119	12.368	12.368	(0.969)	579986	75.0000	79.81
	88 1,2,4-Trimethylbenzene	105	12.417	12.417	(0.972)	692728	75.0000	82.30
	89 sec-Butylbenzene	105	12.587	12.587	(0.986)	796486	75.0000	79.84
	90 4-Isopropyltoluene	119	12.733	12.733	(0.997)	700074	75.0000	84.59
	91 1,3-Dichlorobenzene	146	12.702	12.702	(0.995)	350709	75.0000	74.49
	93 1,4-Dichlorobenzene	146	12.794	12.794	(1.002)	355981	75.0000	70.24
	94 n-Butylbenzene	91	13.140	13.140	(1.029)	583064	75.0000	85.70
	95 1,2-Dichlorobenzene	146	13.165	13.165	(1.031)	334807	75.0000	75.21
	96 1,2-Dibromo-3-chloropropane	157	13.950	13.950	(1.092)	21004	75.0000	80.42
	97 1,2,4-Trichlorobenzene	180	14.777	14.777	(1.157)	185596	75.0000	85.96
	98 Hexachlorobutadiene	225	14.947	14.947	(1.171)	80076	75.0000	79.42
	99 Naphthalene	128	15.032	15.032	(1.177)	475185	75.0000	96.80
	100 1,2,3-Trichlorobenzene	180	15.282	15.282	(1.197)	154482	75.0000	86.31
	156 Methyl Acetate	43	4.094	4.094	(0.558)	170339	75.0000	70.51
	157 Cyclohexane	56	6.656	6.656	(0.906)	439954	75.0000	77.92
	158 Methyl Cyclohexane	83	7.933	7.933	(1.080)	318404	75.0000	80.02
	160 1,3,5-Trichlorobenzene	180	14.156	14.156	(1.109)	204548	75.0000	80.25
	168 3-Chlorobenzotrifluoride	180	10.446	10.446	(1.001)	272025	75.0000	69.68
	169 4-Chlorobenzotrifluoride	180	10.500	10.500	(1.006)	253614	75.0000	73.05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
170 2-Chlorobenzotrifluoride	180	11.352	11.352	(1.087)	259115	75.0000	70.59
171 3-Chlorotoluene	126	12.015	12.015	(0.941)	192642	75.0000	70.51
172 3,4-Dichlorobenzotrifluoride	214	12.483	12.483	(0.978)	197522	75.0000	70.61
173 2,4-Dichlorobenzotrifluoride	214	12.836	12.836	(1.005)	178889	75.0000	70.35
174 2,5-Dichlorobenzotrifluoride	214	12.885	12.885	(1.009)	199364	75.0000	71.50
175 Dichlorotoluene(2,4/2,5/2,6)	125	14.090	14.090	(1.103)	791247	225.000	251.6
176 Dichlorotoluene(2,3/3,4)	125	14.515	14.515	(1.137)	539934	150.000	172.9
177 2,4,5-Trichlorotoluene	159	16.158	16.158	(1.265)	71481	75.0000	91.58
178 2,3,6-Trichlorotoluene	159	16.280	16.280	(1.275)	63907	75.0000	91.71

QC Flag Legend

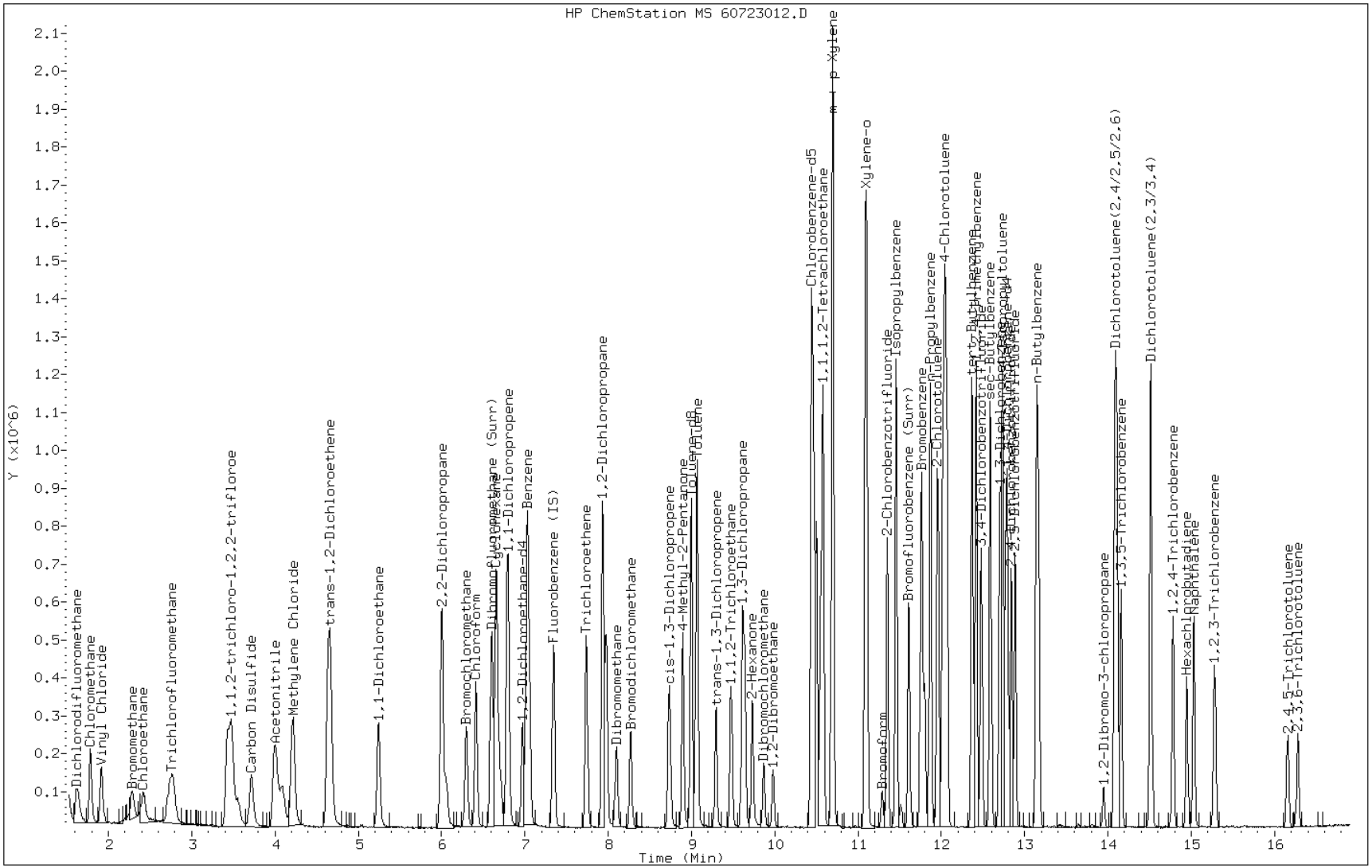
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: 60723012.D

Date: 23-JUL-2012 19:23

Client ID: vstd15 Instrument: hp6.i

Sample Info: IC, 15 Operator: 001562



Manual Integration Report

Data File: 60723012.D
Inj. Date and Time: 23-JUL-2012 19:23
Instrument ID: hp6.i
Client ID: vstd15
Compound: 13 Acetone
CAS #: 67-64-1
Report Date: 07/25/2012

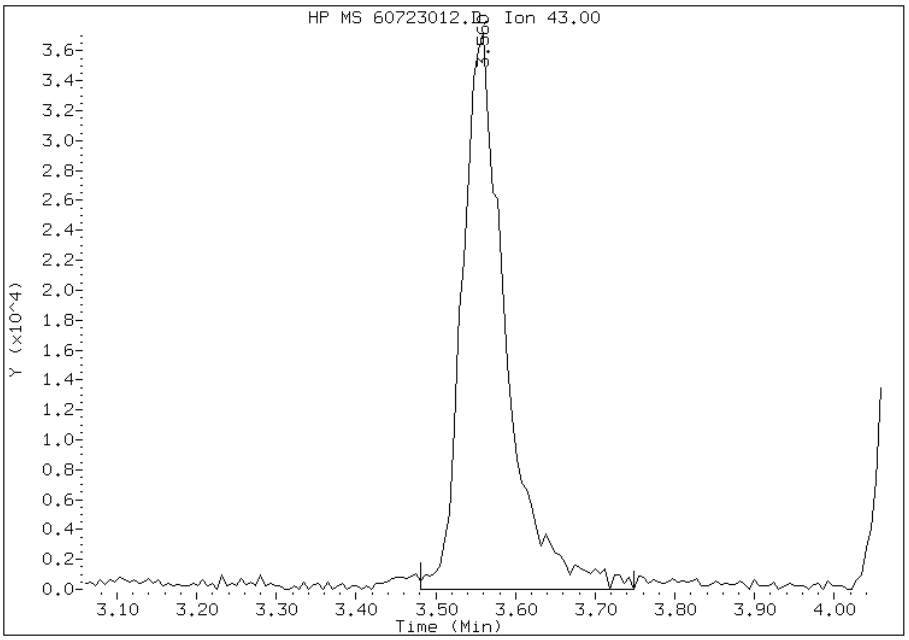
Processing Integration Results

RT: 3.56

Response: 143128

Amount: 157

Conc: 2355



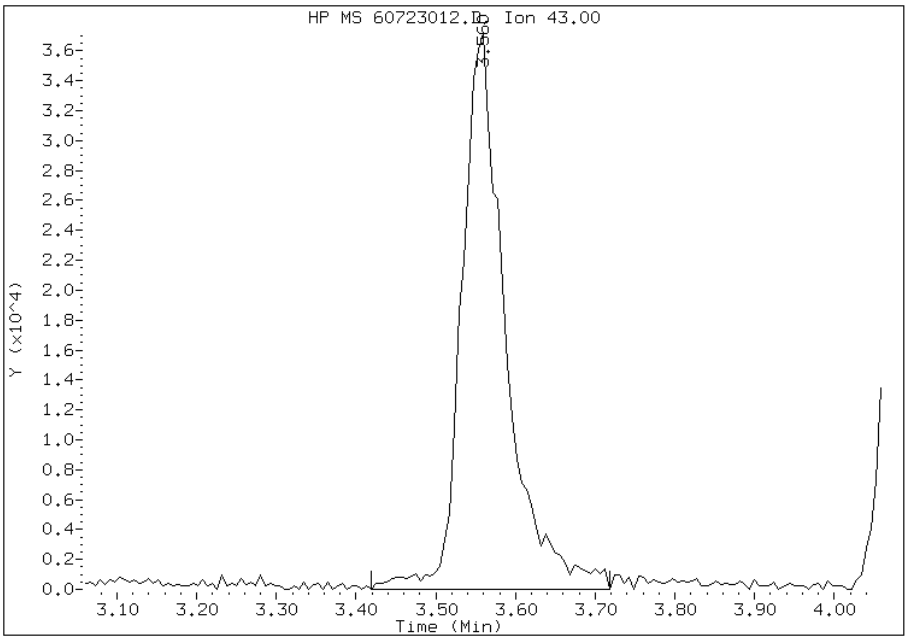
Manual Integration Results

RT: 3.56

Response: 144261

Amount: 132

Conc: 1978



Manually Integrated By: zukowskim
Modification Date: 24-Jul-2012 01:38
Manual Integration Reason: Peak Integrated Incorrectly

Manual Integration Report

Data File: 60723012.D
Inj. Date and Time: 23-JUL-2012 19:23
Instrument ID: hp6.i
Client ID: vstd15
Compound: 31 2-Butanone
CAS #: 78-93-3
Report Date: 07/25/2012

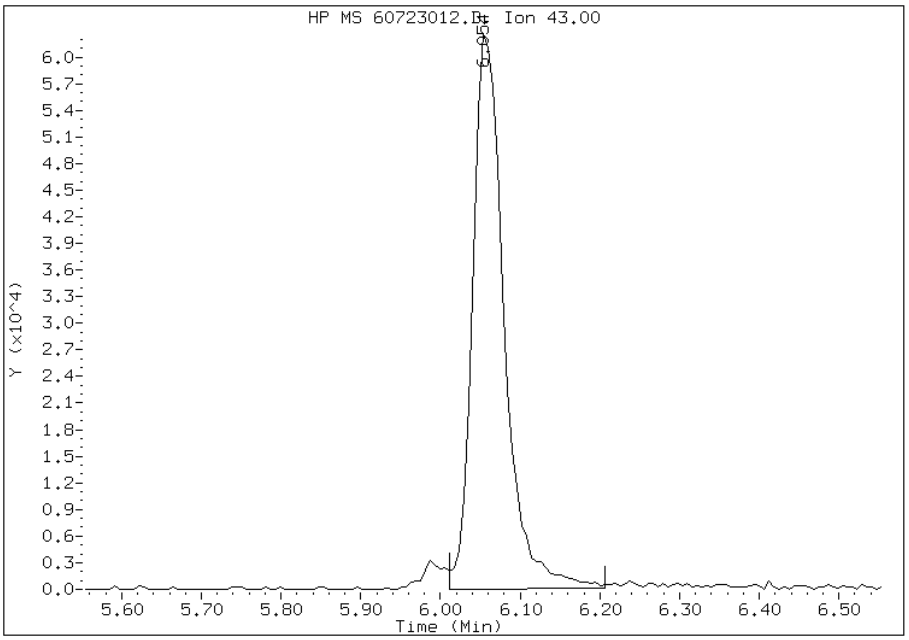
Processing Integration Results

RT: 6.05

Response: 174556

Amount: 132

Conc: 1978



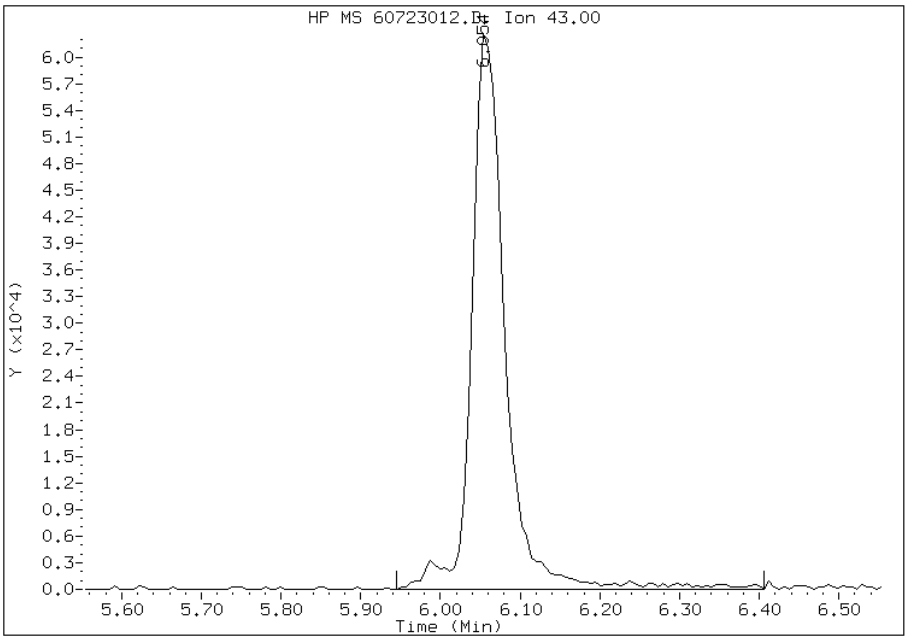
Manual Integration Results

RT: 6.05

Response: 187069

Amount: 146

Conc: 2188



Manually Integrated By: zukowskim
Modification Date: 24-Jul-2012 01:38
Manual Integration Reason: Peak Integrated Incorrectly

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6072312LL.b\60723013.D
Lab Smp Id: IC Client Smp ID: vstd20
Inj Date : 23-JUL-2012 19:47
Operator : 001562 Inst ID: hp6.i
Smp Info : IC, 20
Misc Info : T6072312f.b,T8260bllw.m,1-dwh2o.sub
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6072312LL.b\T8260bllw.m
Meth Date : 25-Jul-2012 08:17 hp6.i Quant Type: ISTD
Cal Date : 23-JUL-2012 19:23 Cal File: 60723012.D
Als bottle: 61 Calibration Sample, Level: 5
Dil Factor: 20.00000
Integrator: HP RTE Compound Sublist: 1-dwh2o.sub
Target Version: 4.14
Processing Host: PITPC-002

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 46 Fluorobenzene (IS)	96	7.344	7.344	(1.000)	426706	50.0000	
* 69 Chlorobenzene-d5	119	10.440	10.440	(1.000)	93064	50.0000	(Q)
* 92 1,4-Dichlorobenzene-d4	152	12.770	12.770	(1.000)	146427	50.0000	
$ 39 Dibromofluoromethane (Surr)	113	6.601	6.601	(0.899)	184435	100.000	101.6
$ 43 1,2-Dichloroethane-d4	65	6.972	6.972	(0.949)	287996	100.000	96.93
$ 59 Toluene-d8	98	8.998	8.998	(0.862)	758103	100.000	94.94
$ 80 Bromofluorobenzene (Surr)	95	11.608	11.608	(1.112)	310411	100.000	96.42
1 Dichlorodifluoromethane	85	1.619	1.619	(0.221)	235573	100.000	88.25
2 Chloromethane	50	1.783	1.783	(0.243)	369326	100.000	94.81
3 Vinyl Chloride	62	1.917	1.917	(0.261)	275190	100.000	93.11
4 Bromomethane	94	2.282	2.282	(0.311)	97856	100.000	81.35
5 Chloroethane	64	2.416	2.416	(0.329)	164521	100.000	99.13
6 Trichlorofluoromethane	101	2.757	2.757	(0.375)	270823	100.000	93.14
10 1,1,2-trichloro-1,2,2-trifluor	101	3.487	3.487	(0.475)	192787	100.000	88.11
12 1,1-Dichloroethene	96	3.432	3.432	(0.467)	189490	100.000	93.14
15 Carbon Disulfide	76	3.718	3.718	(0.506)	434878	100.000	102.4
13 Acetone	43	3.547	3.547	(0.483)	185840	200.000	185.5(M)
17 Acetonitrile	40	3.998	3.998	(0.544)	426317	2000.00	1852
18 Methylene Chloride	84	4.217	4.217	(0.574)	245552	100.000	81.70
19 trans-1,2-Dichloroethene	96	4.636	4.636	(0.631)	225513	100.000	98.27
20 Methyl tert-butyl ether	73	4.661	4.661	(0.635)	637107	100.000	108.8
24 1,1-Dichloroethane	63	5.239	5.239	(0.713)	482752	100.000	99.58
27 2,2-Dichloropropane	77	5.999	5.999	(0.817)	197487	100.000	101.7
28 cis-1,2-dichloroethene	96	6.011	6.011	(0.819)	256909	100.000	96.05
M 29 1,2-Dichloroethene (total)	96				482422	200.000	194.3
30 Bromochloromethane	128	6.297	6.297	(0.858)	109003	100.000	104.9
31 2-Butanone	43	6.060	6.060	(0.825)	246800	200.000	205.2(M)
37 Chloroform	83	6.413	6.413	(0.873)	407554	100.000	98.64

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	38 1,1,1-Trichloroethane	97	6.601	6.601	(0.899)	316654	100.000	98.31
	40 1,1-Dichloropropene	75	6.796	6.796	(0.925)	321438	100.000	99.09
	41 Carbon Tetrachloride	117	6.790	6.790	(0.925)	238930	100.000	103.7
	42 Benzene	78	7.027	7.027	(0.957)	955790	100.000	101.4
	45 1,2-Dichloroethane	62	7.058	7.058	(0.961)	401333	100.000	101.4
	47 Trichloroethene	130	7.739	7.739	(1.054)	219543	100.000	96.12
	49 1,2-Dichloropropane	63	7.976	7.976	(1.086)	238867	100.000	102.0
	50 Dibromomethane	93	8.098	8.098	(1.103)	124912	100.000	104.2
	53 Bromodichloromethane	83	8.268	8.268	(1.126)	244295	100.000	111.5
	57 cis-1,3-Dichloropropene	75	8.731	8.731	(1.189)	261208	100.000	125.6
	58 4-Methyl-2-Pentanone	43	8.895	8.895	(0.852)	514371	200.000	210.2
	60 Toluene	91	9.065	9.065	(0.868)	926898	100.000	95.09
	61 trans-1,3-Dichloropropene	75	9.290	9.290	(0.890)	229942	100.000	113.5
	63 1,3-Dichloropropane	76	9.643	9.643	(0.924)	310814	100.000	97.59
	64 1,1,2-Trichloroethane	97	9.479	9.479	(0.908)	166866	100.000	95.02
	65 Tetrachloroethene	164	9.613	9.613	(0.921)	169908	100.000	91.12
	66 2-Hexanone	43	9.728	9.728	(0.932)	358304	200.000	212.0
	67 Dibromochloromethane	129	9.868	9.868	(0.945)	128593	100.000	110.8
	68 1,2-Dibromoethane	107	9.984	9.984	(0.956)	159712	100.000	101.7
	70 Chlorobenzene	112	10.470	10.470	(1.003)	581575	100.000	95.73
	71 1,1,1,2-Tetrachloroethane	131	10.550	10.550	(1.010)	174324	100.000	104.5
	72 Ethylbenzene	106	10.574	10.574	(1.013)	320851	100.000	97.61
	73 m + p-Xylene	106	10.696	10.696	(1.024)	799084	200.000	193.7
	74 Xylene-o	106	11.091	11.091	(1.062)	404524	100.000	101.5
M	75 Xylenes (total)	106				1203608	300.000	295.3
	76 Styrene	104	11.103	11.103	(1.064)	621316	100.000	104.9
	77 Bromoform	173	11.292	11.292	(1.082)	69589	100.000	113.4
	78 Isopropylbenzene	105	11.456	11.456	(1.097)	1046385	100.000	97.86
	79 Bromobenzene	156	11.766	11.766	(0.921)	216982	100.000	97.65
	81 n-Propylbenzene	120	11.870	11.870	(0.929)	281149	100.000	104.4
	82 2-Chlorotoluene	126	11.955	11.955	(0.936)	241429	100.000	101.4
	83 1,1,2,2-Tetrachloroethane	83	11.754	11.754	(0.920)	231243	100.000	105.9
	84 1,2,3-Trichloropropane	110	11.803	11.803	(0.924)	81748	100.000	101.1
	85 4-Chlorotoluene	126	12.064	12.064	(0.945)	244190	100.000	98.33
	86 1,3,5-Trimethylbenzene	105	12.040	12.040	(0.943)	873996	100.000	103.2
	87 tert-Butylbenzene	119	12.368	12.368	(0.969)	714391	100.000	100.7
	88 1,2,4-Trimethylbenzene	105	12.417	12.417	(0.972)	866455	100.000	104.6
	89 sec-Butylbenzene	105	12.587	12.587	(0.986)	961781	100.000	98.77
	90 4-Isopropyltoluene	119	12.734	12.734	(0.997)	853169	100.000	104.0
	91 1,3-Dichlorobenzene	146	12.703	12.703	(0.995)	446699	100.000	98.94
	93 1,4-Dichlorobenzene	146	12.794	12.794	(1.002)	454627	100.000	94.89
	94 n-Butylbenzene	91	13.141	13.141	(1.029)	708711	100.000	104.7
	95 1,2-Dichlorobenzene	146	13.172	13.172	(1.031)	419767	100.000	98.09
	96 1,2-Dibromo-3-chloropropane	157	13.950	13.950	(1.092)	31511	100.000	123.4
	97 1,2,4-Trichlorobenzene	180	14.784	14.784	(1.158)	226165	100.000	105.2
	98 Hexachlorobutadiene	225	14.948	14.948	(1.171)	93116	100.000	94.75
	99 Naphthalene	128	15.033	15.033	(1.177)	582806	100.000	115.2
	100 1,2,3-Trichlorobenzene	180	15.282	15.282	(1.197)	182218	100.000	102.1
	156 Methyl Acetate	43	4.089	4.089	(0.557)	232003	100.000	103.2
	157 Cyclohexane	56	6.656	6.656	(0.906)	516668	100.000	95.94
	158 Methyl Cyclohexane	83	7.934	7.934	(1.080)	372468	100.000	97.46
	160 1,3,5-Trichlorobenzene	180	14.157	14.157	(1.109)	236808	100.000	95.05
	168 3-Chlorobenzotrifluoride	180	10.446	10.446	(1.001)	321750	100.000	82.98
	169 4-Chlorobenzotrifluoride	180	10.501	10.501	(1.006)	292214	100.000	83.78

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
170 2-Chlorobenzotrifluoride	180	11.353	11.353	(1.087)	309404	100.000	84.60
171 3-Chlorotoluene	126	12.016	12.016	(0.941)	241779	100.000	93.52
172 3,4-Dichlorobenzotrifluoride	214	12.484	12.484	(0.978)	237033	100.000	89.52
173 2,4-Dichlorobenzotrifluoride	214	12.837	12.837	(1.005)	215030	100.000	89.41
174 2,5-Dichlorobenzotrifluoride	214	12.886	12.886	(1.009)	227489	100.000	85.93
175 Dichlorotoluene(2,4/2,5/2,6)	125	14.096	14.096	(1.104)	953820	300.000	306.7
176 Dichlorotoluene(2,3/3,4)	125	14.516	14.516	(1.137)	653797	200.000	209.9
177 2,4,5-Trichlorotoluene	159	16.158	16.158	(1.265)	82762	100.000	104.6
178 2,3,6-Trichlorotoluene	159	16.280	16.280	(1.275)	74478	100.000	105.4

QC Flag Legend

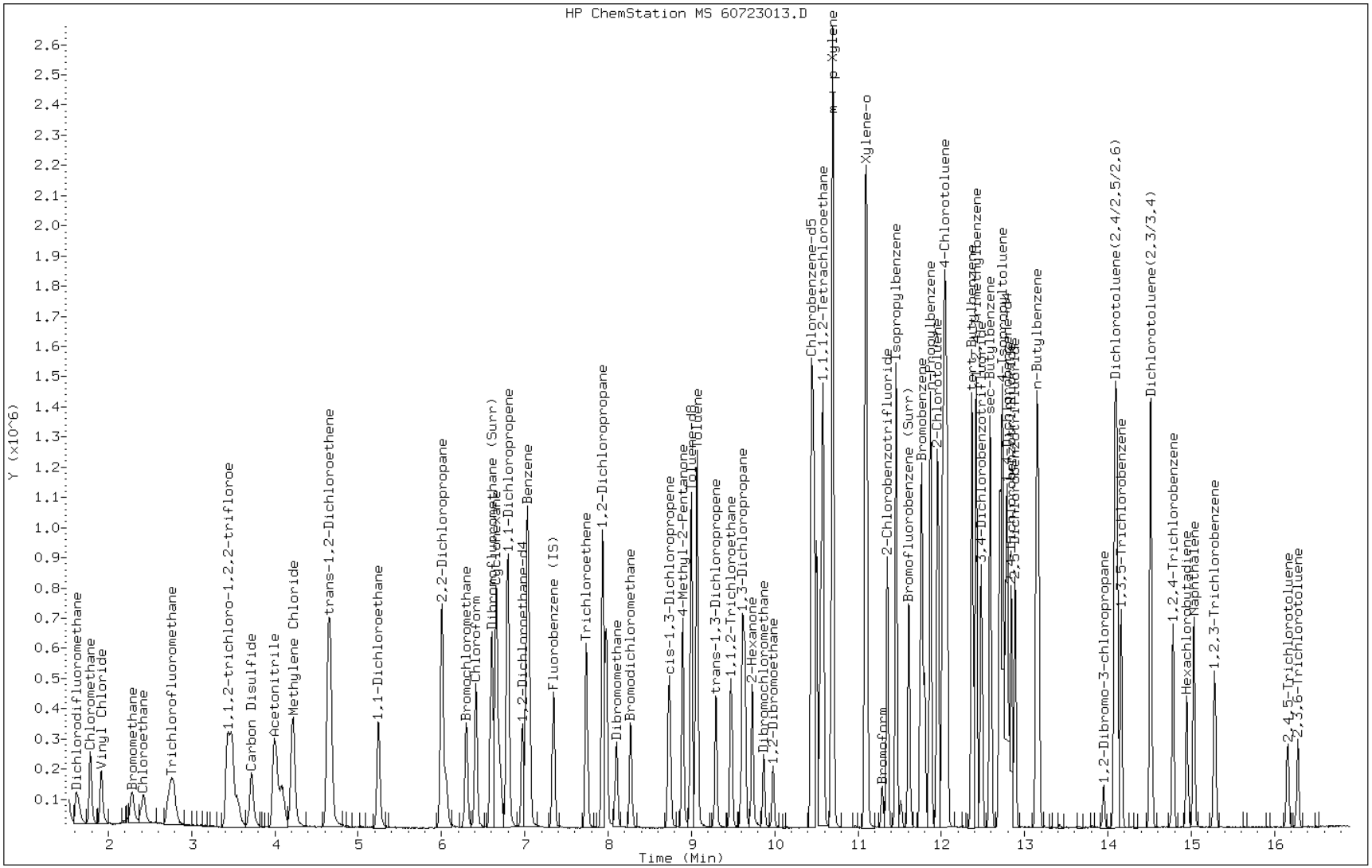
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: 60723013.D

Date: 23-JUL-2012 19:47

Client ID: vstd20 Instrument: hp6.i

Sample Info: IC, 20 Operator: 001562



Manual Integration Report

Data File: 60723013.D
Inj. Date and Time: 23-JUL-2012 19:47
Instrument ID: hp6.i
Client ID: vstd20
Compound: 13 Acetone
CAS #: 67-64-1
Report Date: 07/25/2012

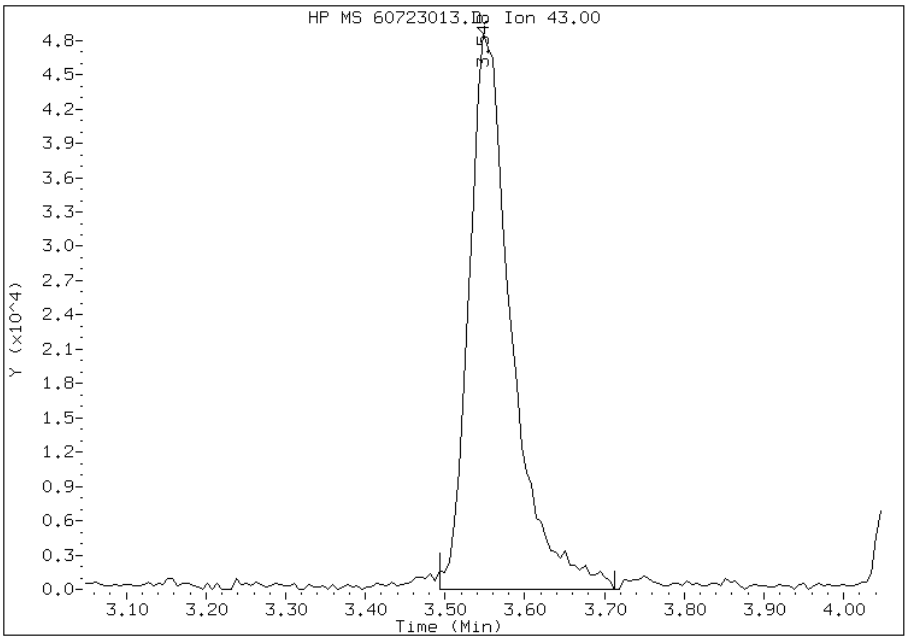
Processing Integration Results

RT: 3.55

Response: 182421

Amount: 212

Conc: 4236



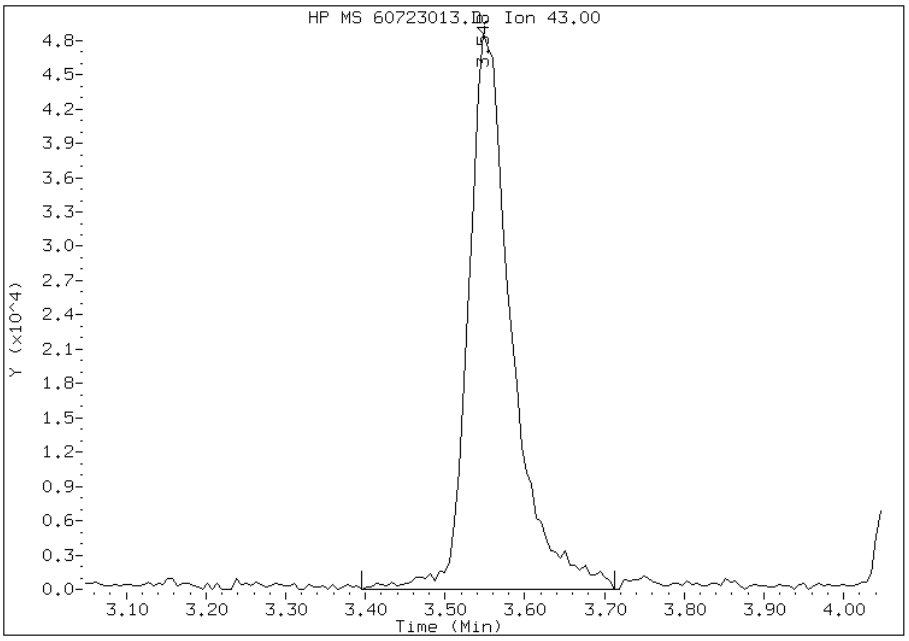
Manual Integration Results

RT: 3.55

Response: 185840

Amount: 185

Conc: 3709



Manually Integrated By: zukowskim
Modification Date: 24-Jul-2012 01:39
Manual Integration Reason: Peak Integrated Incorrectly

Manual Integration Report

Data File: 60723013.D
Inj. Date and Time: 23-JUL-2012 19:47
Instrument ID: hp6.i
Client ID: vstd20
Compound: 31 2-Butanone
CAS #: 78-93-3
Report Date: 07/25/2012

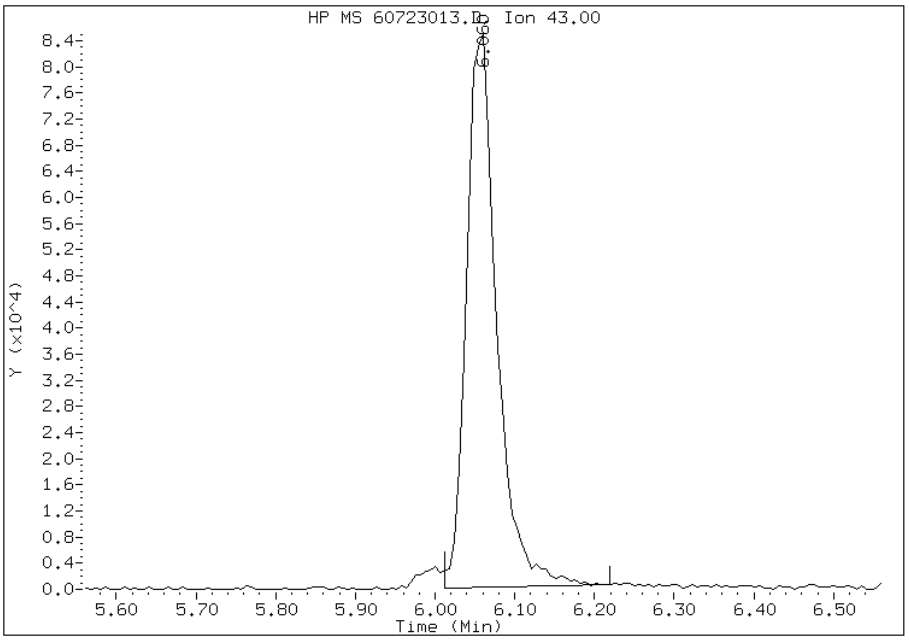
Processing Integration Results

RT: 6.06

Response: 228152

Amount: 182

Conc: 3649



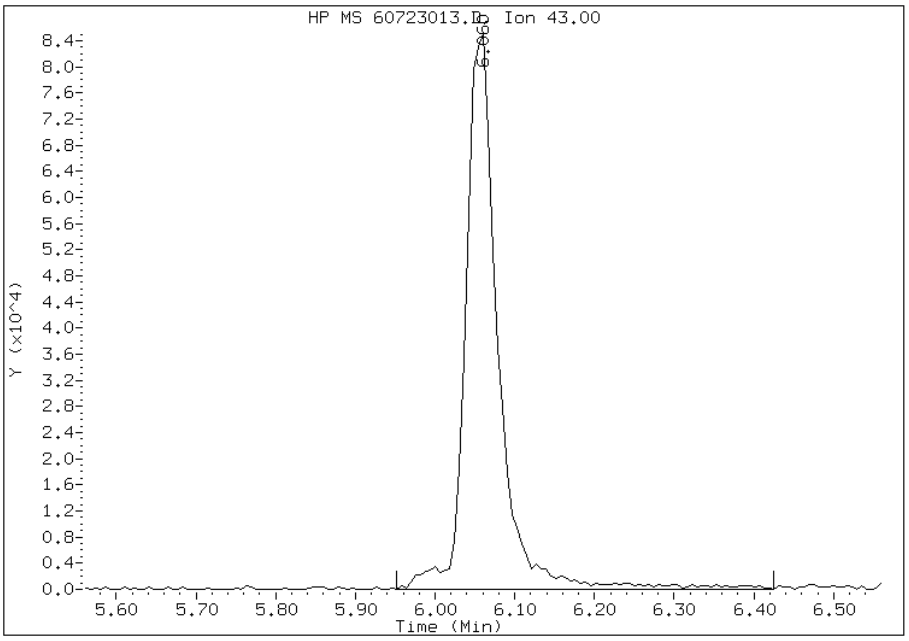
Manual Integration Results

RT: 6.06

Response: 246800

Amount: 205

Conc: 4103



Manually Integrated By: zukowskim
Modification Date: 24-Jul-2012 01:39
Manual Integration Reason: Peak Integrated Incorrectly

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6072312LL.b\60723014.D
Lab Smp Id: IC Client Smp ID: vstd35
Inj Date : 23-JUL-2012 20:12
Operator : 001562 Inst ID: hp6.i
Smp Info : IC, 35
Misc Info : T6072312f.b,T8260bllw.m,1-dwh2o.sub
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6072312LL.b\T8260bllw.m
Meth Date : 25-Jul-2012 08:17 hp6.i Quant Type: ISTD
Cal Date : 23-JUL-2012 19:47 Cal File: 60723013.D
Als bottle: 62 Calibration Sample, Level: 6
Dil Factor: 35.00000
Integrator: HP RTE Compound Sublist: 1-dwh2o.sub
Target Version: 4.14
Processing Host: PITPC-002

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 46 Fluorobenzene (IS)	96	7.345	7.345	(1.000)	461483	50.0000	
* 69 Chlorobenzene-d5	119	10.442	10.442	(1.000)	103661	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.766	12.766	(1.000)	150841	50.0000	(Q)
$ 39 Dibromofluoromethane (Surr)	113	6.597	6.597	(0.898)	348122	175.000	176.8
$ 43 1,2-Dichloroethane-d4	65	6.968	6.968	(0.949)	529751	175.000	165.9
$ 59 Toluene-d8	98	8.994	8.994	(0.861)	1463132	175.000	166.2
$ 80 Bromofluorobenzene (Surr)	95	11.610	11.610	(1.112)	574223	175.000	161.3
1 Dichlorodifluoromethane	85	1.621	1.621	(0.221)	423201	175.000	150.1
2 Chloromethane	50	1.779	1.779	(0.242)	673617	175.000	161.6
3 Vinyl Chloride	62	1.913	1.913	(0.260)	506944	175.000	160.8
4 Bromomethane	94	2.284	2.284	(0.311)	188000	175.000	150.1
5 Chloroethane	64	2.424	2.424	(0.330)	304867	175.000	170.2
6 Trichlorofluoromethane	101	2.758	2.758	(0.376)	501009	175.000	161.5
10 1,1,2-trichloro-1,2,2-trifluor	101	3.476	3.476	(0.473)	363732	175.000	157.4
12 1,1-Dichloroethene	96	3.434	3.434	(0.468)	358079	175.000	165.0
15 Carbon Disulfide	76	3.714	3.714	(0.506)	862552	175.000	186.9
13 Acetone	43	3.543	3.543	(0.482)	340833	350.000	319.2(M)
17 Acetonitrile	40	3.987	3.987	(0.543)	715596	3500.00	2917
18 Methylene Chloride	84	4.212	4.212	(0.574)	428037	175.000	136.7
19 trans-1,2-Dichloroethene	96	4.626	4.626	(0.630)	404303	175.000	163.5
20 Methyl tert-butyl ether	73	4.663	4.663	(0.635)	1159761	175.000	180.0
24 1,1-Dichloroethane	63	5.240	5.240	(0.713)	897144	175.000	171.3
27 2,2-Dichloropropane	77	5.995	5.995	(0.816)	368721	175.000	174.9
28 cis-1,2-dichloroethene	96	6.007	6.007	(0.818)	468616	175.000	163.3
M 29 1,2-Dichloroethene (total)	96				872919	350.000	326.8
30 Bromochloromethane	128	6.293	6.293	(0.857)	193550	175.000	170.5
31 2-Butanone	43	6.050	6.050	(0.824)	460442	350.000	352.1(M)
37 Chloroform	83	6.409	6.409	(0.872)	750488	175.000	168.4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	38 1,1,1-Trichloroethane	97	6.597	6.597	(0.898)	607820	175.000	175.1
	40 1,1-Dichloropropene	75	6.792	6.792	(0.925)	600476	175.000	171.5
	41 Carbon Tetrachloride	117	6.786	6.786	(0.924)	462892	175.000	184.4
	42 Benzene	78	7.029	7.029	(0.957)	1746263	175.000	170.8
	45 1,2-Dichloroethane	62	7.053	7.053	(0.960)	724279	175.000	168.7
	47 Trichloroethene	130	7.735	7.735	(1.053)	418335	175.000	170.7
	49 1,2-Dichloropropane	63	7.972	7.972	(1.085)	455434	175.000	179.1
	50 Dibromomethane	93	8.100	8.100	(1.103)	229896	175.000	175.8
	53 Bromodichloromethane	83	8.270	8.270	(1.126)	478402	175.000	197.4
	57 cis-1,3-Dichloropropene	75	8.726	8.726	(1.188)	524047	175.000	221.6
	58 4-Methyl-2-Pentanone	43	8.897	8.897	(0.852)	968350	350.000	351.7
	60 Toluene	91	9.061	9.061	(0.868)	1762315	175.000	163.9
	61 trans-1,3-Dichloropropene	75	9.292	9.292	(0.890)	463205	175.000	199.8
	63 1,3-Dichloropropane	76	9.639	9.639	(0.923)	583487	175.000	165.3
	64 1,1,2-Trichloroethane	97	9.475	9.475	(0.907)	312420	175.000	161.3
	65 Tetrachloroethene	164	9.615	9.615	(0.921)	315777	175.000	154.8
	66 2-Hexanone	43	9.730	9.730	(0.932)	651703	350.000	342.0
	67 Dibromochloromethane	129	9.870	9.870	(0.945)	268971	175.000	203.6
	68 1,2-Dibromoethane	107	9.980	9.980	(0.956)	294540	175.000	167.8
	70 Chlorobenzene	112	10.466	10.466	(1.002)	1064483	175.000	158.7
	71 1,1,1,2-Tetrachloroethane	131	10.551	10.551	(1.010)	339047	175.000	180.9
	72 Ethylbenzene	106	10.576	10.576	(1.013)	602047	175.000	165.2
	73 m + p-Xylene	106	10.691	10.691	(1.024)	1496124	350.000	327.7
	74 Xylene-o	106	11.087	11.087	(1.062)	751906	175.000	168.9
M	75 Xylenes (total)	106				2248030	525.000	496.6
	76 Styrene	104	11.099	11.099	(1.063)	1178206	175.000	176.8
	77 Bromoform	173	11.294	11.294	(1.082)	146233	175.000	208.3
	78 Isopropylbenzene	105	11.458	11.458	(1.097)	1984707	175.000	167.4
	79 Bromobenzene	156	11.762	11.762	(0.921)	407415	175.000	178.8
	81 n-Propylbenzene	120	11.865	11.865	(0.929)	522852	175.000	186.8
	82 2-Chlorotoluene	126	11.957	11.957	(0.937)	429721	175.000	174.8
	83 1,1,2,2-Tetrachloroethane	83	11.756	11.756	(0.921)	415371	175.000	182.5
	84 1,2,3-Trichloropropane	110	11.798	11.798	(0.924)	144836	175.000	173.5
	85 4-Chlorotoluene	126	12.066	12.066	(0.945)	495513	175.000	194.3(Q)
	86 1,3,5-Trimethylbenzene	105	12.042	12.042	(0.943)	1618258	175.000	184.3
	87 tert-Butylbenzene	119	12.370	12.370	(0.969)	1372467	175.000	187.6
	88 1,2,4-Trimethylbenzene	105	12.419	12.419	(0.973)	1630286	175.000	189.3
	89 sec-Butylbenzene	105	12.589	12.589	(0.986)	1825864	175.000	182.5
	90 4-Isopropyltoluene	119	12.729	12.729	(0.997)	1613498	175.000	189.4
	91 1,3-Dichlorobenzene	146	12.705	12.705	(0.995)	819577	175.000	176.6
	93 1,4-Dichlorobenzene	146	12.790	12.790	(1.002)	833000	175.000	170.5
	94 n-Butylbenzene	91	13.143	13.143	(1.030)	1333810	175.000	189.5
	95 1,2-Dichlorobenzene	146	13.167	13.167	(1.031)	771303	175.000	175.6
	96 1,2-Dibromo-3-chloropropane	157	13.946	13.946	(1.092)	58434	175.000	212.2
	97 1,2,4-Trichlorobenzene	180	14.779	14.779	(1.158)	391569	175.000	175.0
	98 Hexachlorobutadiene	225	14.950	14.950	(1.171)	156673	175.000	156.4
	99 Naphthalene	128	15.029	15.029	(1.177)	1011457	175.000	188.4
	100 1,2,3-Trichlorobenzene	180	15.278	15.278	(1.197)	313082	175.000	169.6
	156 Methyl Acetate	43	4.085	4.085	(0.556)	418575	175.000	171.1
	157 Cyclohexane	56	6.658	6.658	(0.906)	958601	175.000	165.9
	158 Methyl Cyclohexane	83	7.935	7.935	(1.080)	706899	175.000	171.9
	160 1,3,5-Trichlorobenzene	180	14.159	14.159	(1.109)	439314	175.000	172.9
	168 3-Chlorobenzotrifluoride	180	10.448	10.448	(1.001)	635443	175.000	152.3
	169 4-Chlorobenzotrifluoride	180	10.503	10.503	(1.006)	576556	175.000	153.4

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
170 2-Chlorobenzotrifluoride	180	11.348	11.348	(1.087)	616795	175.000	156.2
171 3-Chlorotoluene	126	12.017	12.017	(0.941)	488849	175.000	186.0
172 3,4-Dichlorobenzotrifluoride	214	12.480	12.480	(0.978)	458725	175.000	171.8
173 2,4-Dichlorobenzotrifluoride	214	12.839	12.839	(1.006)	386739	175.000	159.5
174 2,5-Dichlorobenzotrifluoride	214	12.887	12.887	(1.010)	481323	175.000	181.6
175 Dichlorotoluene(2,4/2,5/2,6)	125	14.092	14.092	(1.104)	1775071	525.000	551.6
176 Dichlorotoluene(2,3/3,4)	125	14.512	14.512	(1.137)	1195046	350.000	368.8
177 2,4,5-Trichlorotoluene	159	16.154	16.154	(1.265)	149404	175.000	181.6
178 2,3,6-Trichlorotoluene	159	16.276	16.276	(1.275)	131285	175.000	178.4

QC Flag Legend

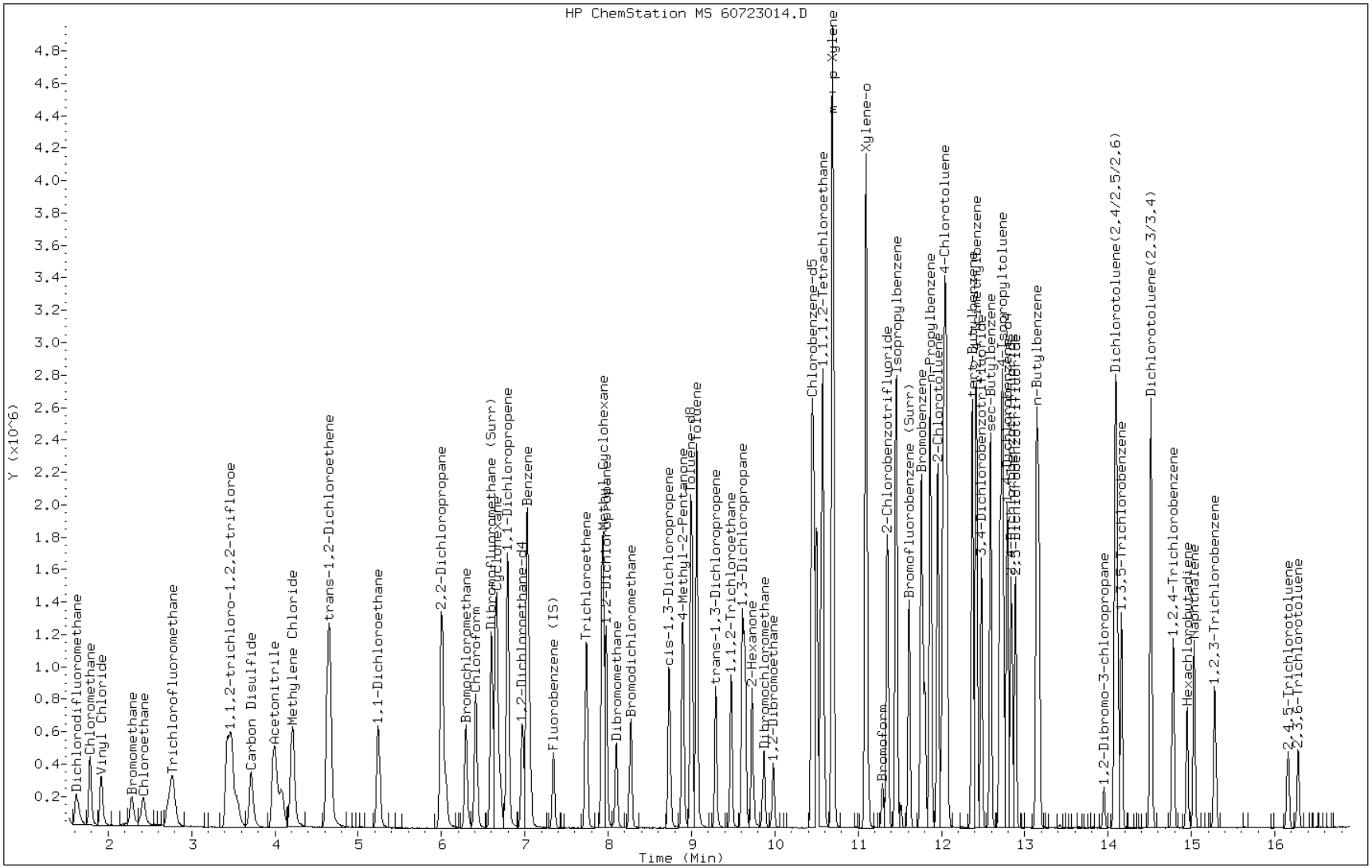
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: 60723014.D

Date: 23-JUL-2012 20:12

Client ID: vstd35 Instrument: hp6.i

Sample Info: IC, 35 Operator: 001562



Manual Integration Report

Data File: 60723014.D
Inj. Date and Time: 23-JUL-2012 20:12
Instrument ID: hp6.i
Client ID: vstd35
Compound: 13 Acetone
CAS #: 67-64-1
Report Date: 07/25/2012

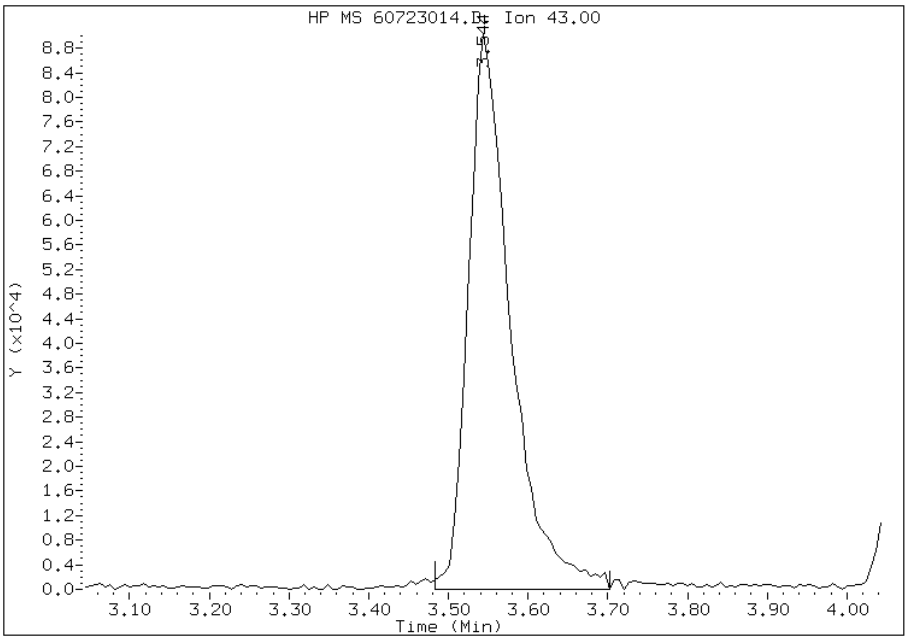
Processing Integration Results

RT: 3.54

Response: 336984

Amount: 362

Conc: 12663



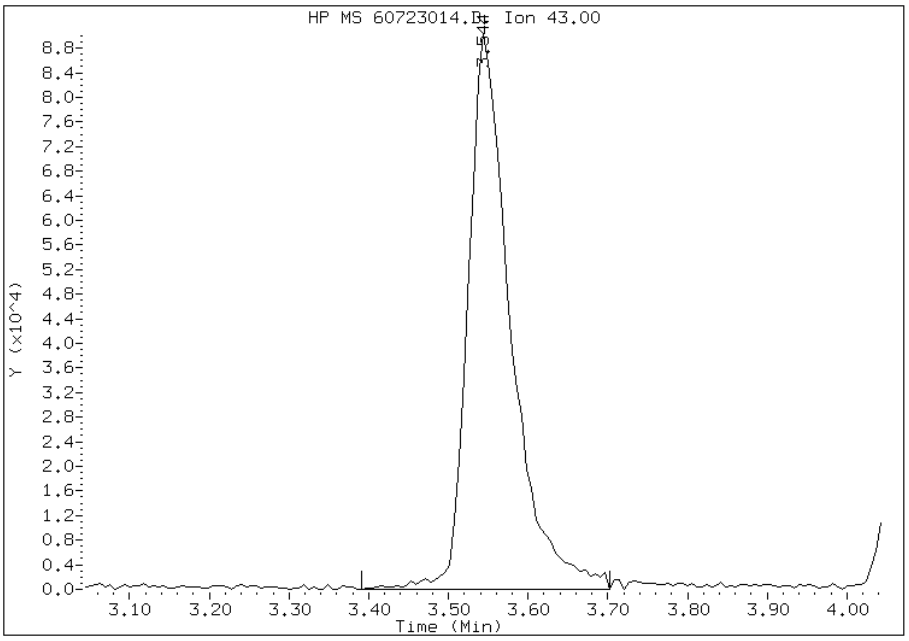
Manual Integration Results

RT: 3.54

Response: 340833

Amount: 319

Conc: 11171



Manually Integrated By: zukowskim
Modification Date: 24-Jul-2012 01:40
Manual Integration Reason: Peak Integrated Incorrectly

Manual Integration Report

Data File: 60723014.D
Inj. Date and Time: 23-JUL-2012 20:12
Instrument ID: hp6.i
Client ID: vstd35
Compound: 31 2-Butanone
CAS #: 78-93-3
Report Date: 07/25/2012

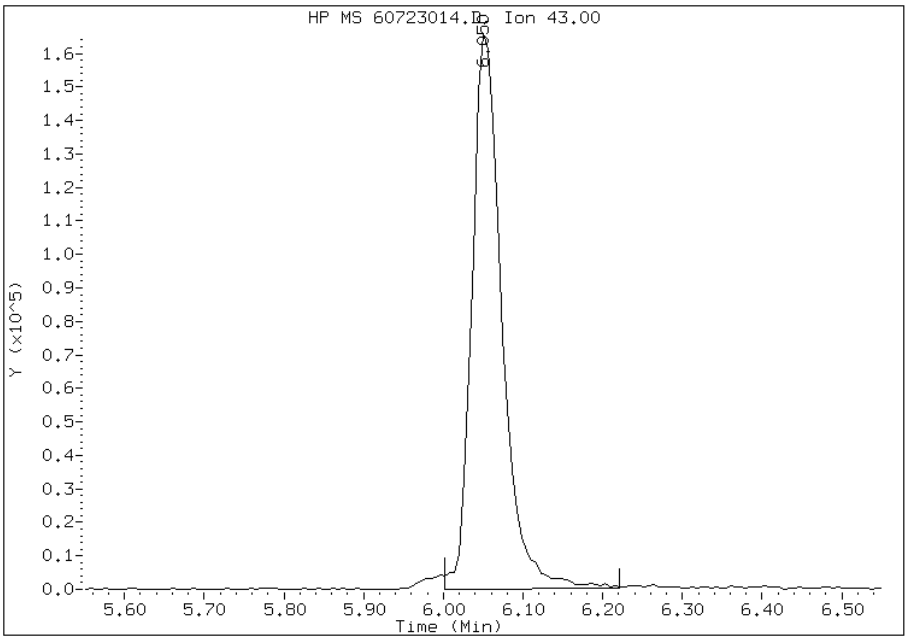
Processing Integration Results

RT: 6.05

Response: 440144

Amount: 325

Conc: 11390



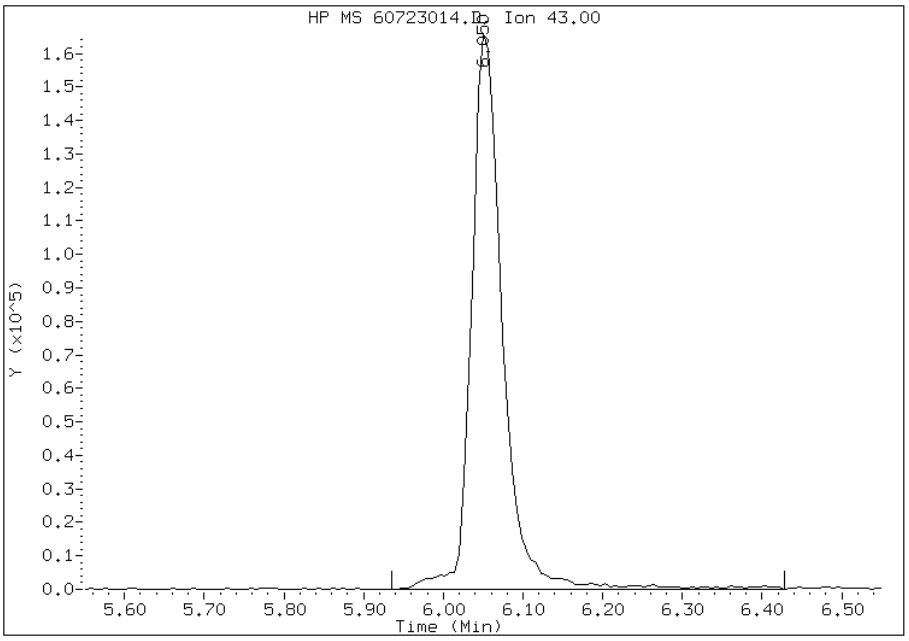
Manual Integration Results

RT: 6.05

Response: 460442

Amount: 352

Conc: 12323



Manually Integrated By: zukowskim
Modification Date: 24-Jul-2012 01:40
Manual Integration Reason: Peak Integrated Incorrectly

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6072312LL.b\60723015.D
Lab Smp Id: IC Client Smp ID: vstd40
Inj Date : 23-JUL-2012 20:36
Operator : 001562 Inst ID: hp6.i
Smp Info : IC, 40
Misc Info : T6072312f.b,T8260bllw.m,1-dwh2o.sub
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6072312LL.b\T8260bllw.m
Meth Date : 25-Jul-2012 08:17 hp6.i Quant Type: ISTD
Cal Date : 23-JUL-2012 20:12 Cal File: 60723014.D
Als bottle: 63 Calibration Sample, Level: 7
Dil Factor: 40.00000
Integrator: HP RTE Compound Sublist: 1-dwh2o.sub
Target Version: 4.14
Processing Host: PITPC-002

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 46 Fluorobenzene (IS)	96	7.342	7.342	(1.000)	498988	50.0000	
* 69 Chlorobenzene-d5	119	10.444	10.444	(1.000)	118860	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.768	12.768	(1.000)	159770	50.0000	
$ 39 Dibromofluoromethane (Surr)	113	6.593	6.593	(0.898)	413729	200.000	194.0
$ 43 1,2-Dichloroethane-d4	65	6.970	6.970	(0.949)	627170	200.000	183.2
$ 59 Toluene-d8	98	8.996	8.996	(0.861)	1873509	200.000	187.2
$ 80 Bromofluorobenzene (Surr)	95	11.612	11.612	(1.112)	712517	200.000	176.8
1 Dichlorodifluoromethane	85	1.623	1.623	(0.221)	583047	200.000	195.9
2 Chloromethane	50	1.781	1.781	(0.243)	802447	200.000	180.3
3 Vinyl Chloride	62	1.921	1.921	(0.262)	649992	200.000	193.3
4 Bromomethane	94	2.280	2.280	(0.311)	185075	200.000	140.0(M)
5 Chloroethane	64	2.420	2.420	(0.330)	364040	200.000	188.8
6 Trichlorofluoromethane	101	2.761	2.761	(0.376)	657818	200.000	198.7
10 1,1,2-trichloro-1,2,2-trifluor	101	3.479	3.479	(0.474)	467507	200.000	190.3
12 1,1-Dichloroethene	96	3.436	3.436	(0.468)	460462	200.000	198.1
15 Carbon Disulfide	76	3.722	3.722	(0.507)	1104043	200.000	218.7
13 Acetone	43	3.552	3.552	(0.484)	397498	400.000	349.4(M)
17 Acetonitrile	40	3.990	3.990	(0.543)	874819	4000.00	3392
18 Methylene Chloride	84	4.215	4.215	(0.574)	466987	200.000	143.1
19 trans-1,2-Dichloroethene	96	4.634	4.634	(0.631)	491167	200.000	185.7
20 Methyl tert-butyl ether	73	4.665	4.665	(0.635)	1288229	200.000	184.0
24 1,1-Dichloroethane	63	5.243	5.243	(0.714)	1034023	200.000	183.2
27 2,2-Dichloropropane	77	5.997	5.997	(0.817)	424636	200.000	186.3
28 cis-1,2-dichloroethene	96	6.003	6.003	(0.818)	531543	200.000	173.2
M 29 1,2-Dichloroethene (total)	96				1022710	400.000	358.9
30 Bromochloromethane	128	6.295	6.295	(0.857)	214447	200.000	175.5
31 2-Butanone	43	6.052	6.052	(0.824)	509301	400.000	359.8(M)
37 Chloroform	83	6.411	6.411	(0.873)	855624	200.000	178.7

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	38 1,1,1-Trichloroethane	97	6.599	6.599	(0.899)	740430	200.000	197.2
	40 1,1-Dichloropropene	75	6.794	6.794	(0.925)	758045	200.000	200.9
	41 Carbon Tetrachloride	117	6.788	6.788	(0.925)	590348	200.000	215.6
	42 Benzene	78	7.025	7.025	(0.957)	2043598	200.000	185.6
	45 1,2-Dichloroethane	62	7.056	7.056	(0.961)	790699	200.000	171.3
	47 Trichloroethene	130	7.737	7.737	(1.054)	515234	200.000	195.2
	49 1,2-Dichloropropane	63	7.974	7.974	(1.086)	522917	200.000	189.5
	50 Dibromomethane	93	8.096	8.096	(1.103)	253766	200.000	179.3
	53 Bromodichloromethane	83	8.272	8.272	(1.127)	541308	200.000	202.2
	57 cis-1,3-Dichloropropene	75	8.729	8.729	(1.189)	626131	200.000	234.5
	58 4-Methyl-2-Pentanone	43	8.893	8.893	(0.851)	1092374	400.000	345.7
	60 Toluene	91	9.063	9.063	(0.868)	2126254	200.000	174.3
	61 trans-1,3-Dichloropropene	75	9.294	9.294	(0.890)	553588	200.000	203.5
	63 1,3-Dichloropropane	76	9.641	9.641	(0.923)	654299	200.000	163.1
	64 1,1,2-Trichloroethane	97	9.477	9.477	(0.907)	354613	200.000	161.8
	65 Tetrachloroethene	164	9.611	9.611	(0.920)	401386	200.000	175.0
	66 2-Hexanone	43	9.726	9.726	(0.931)	756050	400.000	347.4
	67 Dibromochloromethane	129	9.866	9.866	(0.945)	309616	200.000	199.0
	68 1,2-Dibromoethane	107	9.982	9.982	(0.956)	331240	200.000	165.7
	70 Chlorobenzene	112	10.468	10.468	(1.002)	1255774	200.000	165.8
	71 1,1,1,2-Tetrachloroethane	131	10.554	10.554	(1.010)	390256	200.000	180.6
	72 Ethylbenzene	106	10.578	10.578	(1.013)	728472	200.000	176.0
	73 m + p-Xylene	106	10.693	10.693	(1.024)	1818013	400.000	351.0
	74 Xylene-o	106	11.089	11.089	(1.062)	873030	200.000	172.0
M	75 Xylenes (total)	106				2691043	600.000	523.0
	76 Styrene	104	11.101	11.101	(1.063)	1384172	200.000	180.8
	77 Bromoform	173	11.290	11.290	(1.081)	167317	200.000	201.5
	78 Isopropylbenzene	105	11.454	11.454	(1.097)	2382806	200.000	176.5
	79 Bromobenzene	156	11.764	11.764	(0.921)	468718	200.000	193.5
	81 n-Propylbenzene	120	11.868	11.868	(0.929)	626586	200.000	209.0
	82 2-Chlorotoluene	126	11.953	11.953	(0.936)	498438	200.000	191.4
	83 1,1,2,2-Tetrachloroethane	83	11.752	11.752	(0.920)	435878	200.000	179.5
	84 1,2,3-Trichloropropane	110	11.801	11.801	(0.924)	156418	200.000	177.2
	85 4-Chlorotoluene	126	12.068	12.068	(0.945)	566680	200.000	206.0
	86 1,3,5-Trimethylbenzene	105	12.044	12.044	(0.943)	1883924	200.000	200.8
	87 tert-Butylbenzene	119	12.373	12.373	(0.969)	1661640	200.000	211.9
	88 1,2,4-Trimethylbenzene	105	12.415	12.415	(0.972)	1875046	200.000	202.8
	89 sec-Butylbenzene	105	12.585	12.585	(0.986)	2257067	200.000	211.4
	90 4-Isopropyltoluene	119	12.731	12.731	(0.997)	1946464	200.000	212.8
	91 1,3-Dichlorobenzene	146	12.701	12.701	(0.995)	918473	200.000	186.6
	93 1,4-Dichlorobenzene	146	12.792	12.792	(1.002)	931311	200.000	180.8
	94 n-Butylbenzene	91	13.139	13.139	(1.029)	1661032	200.000	219.8
	95 1,2-Dichlorobenzene	146	13.169	13.169	(1.031)	839562	200.000	180.4
	96 1,2-Dibromo-3-chloropropane	157	13.948	13.948	(1.092)	62129	200.000	205.7
	97 1,2,4-Trichlorobenzene	180	14.782	14.782	(1.158)	435891	200.000	183.9
	98 Hexachlorobutadiene	225	14.952	14.952	(1.171)	201126	200.000	193.0
	99 Naphthalene	128	15.031	15.031	(1.177)	1080165	200.000	187.5
	100 1,2,3-Trichlorobenzene	180	15.280	15.280	(1.197)	340495	200.000	175.1
	156 Methyl Acetate	43	4.081	4.081	(0.556)	426015	200.000	161.6
	157 Cyclohexane	56	6.660	6.660	(0.907)	1252608	200.000	202.3
	158 Methyl Cyclohexane	83	7.932	7.932	(1.080)	919556	200.000	207.4
	160 1,3,5-Trichlorobenzene	180	14.161	14.161	(1.109)	573608	200.000	213.6
	168 3-Chlorobenzotrifluoride	180	10.444	10.444	(1.000)	862267	200.000	184.2
	169 4-Chlorobenzotrifluoride	180	10.505	10.505	(1.006)	803537	200.000	190.4

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
170 2-Chlorobenzotrifluoride	180	11.351	11.351	(1.087)	851454	200.000	191.5
171 3-Chlorotoluene	126	12.014	12.014	(0.941)	653644	200.000	232.3
172 3,4-Dichlorobenzotrifluoride	214	12.482	12.482	(0.978)	624516	200.000	221.5
173 2,4-Dichlorobenzotrifluoride	214	12.841	12.841	(1.006)	541054	200.000	213.8
174 2,5-Dichlorobenzotrifluoride	214	12.890	12.890	(1.010)	649381	200.000	229.9
175 Dichlorotoluene(2,4/2,5/2,6)	125	14.088	14.088	(1.103)	2299576	600.000	669.0
176 Dichlorotoluene(2,3/3,4)	125	14.514	14.514	(1.137)	1493851	400.000	431.4
177 2,4,5-Trichlorotoluene	159	16.156	16.156	(1.265)	200598	200.000	228.8
178 2,3,6-Trichlorotoluene	159	16.278	16.278	(1.275)	169317	200.000	216.5

QC Flag Legend

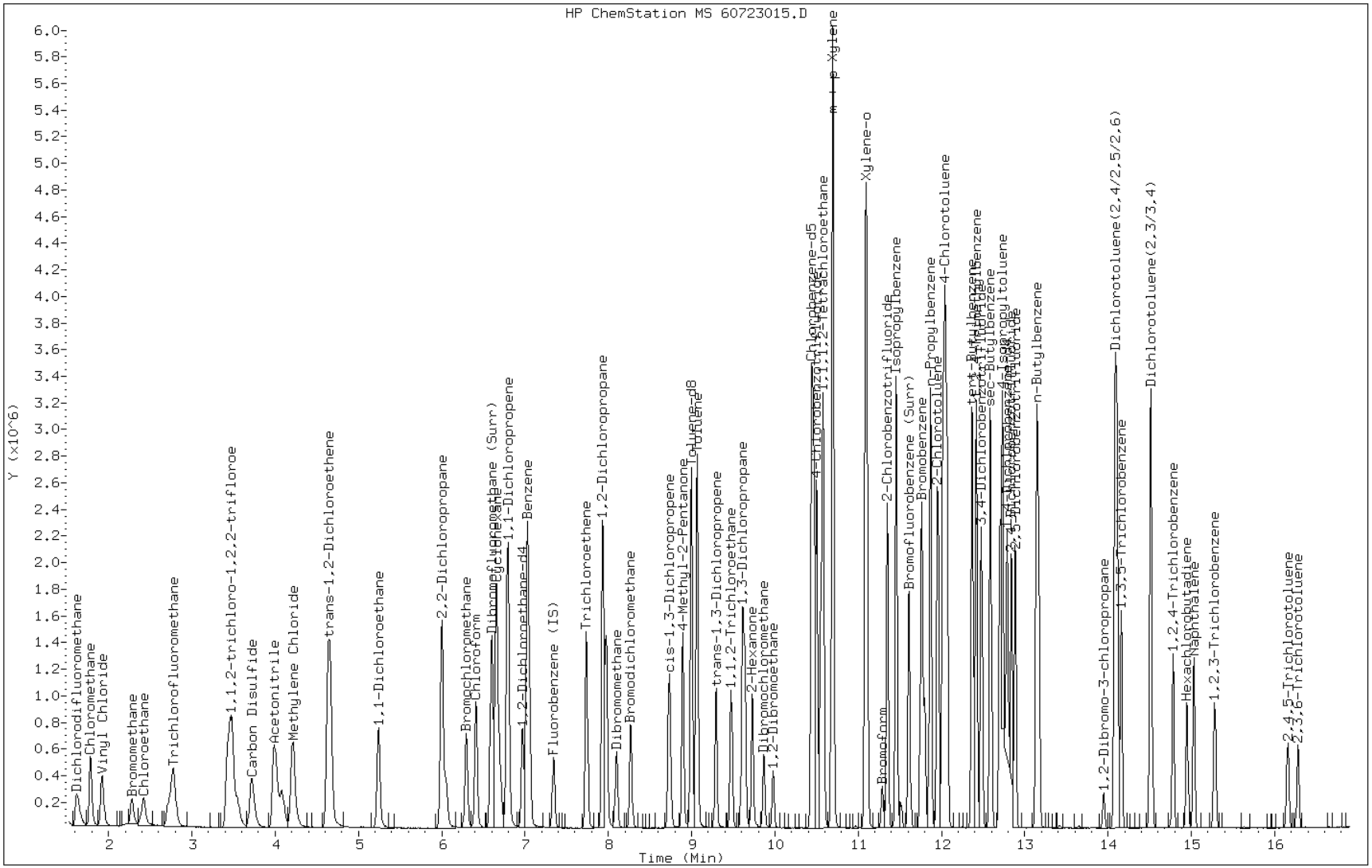
M - Compound response manually integrated.

Data File: 60723015.D

Date: 23-JUL-2012 20:36

Client ID: vstd40 Instrument: hp6.i

Sample Info: IC, 40 Operator: 001562



Manual Integration Report

Data File: 60723015.D
Inj. Date and Time: 23-JUL-2012 20:36
Instrument ID: hp6.i
Client ID: vstd40
Compound: 4 Bromomethane
CAS #: 74-83-9
Report Date: 07/25/2012

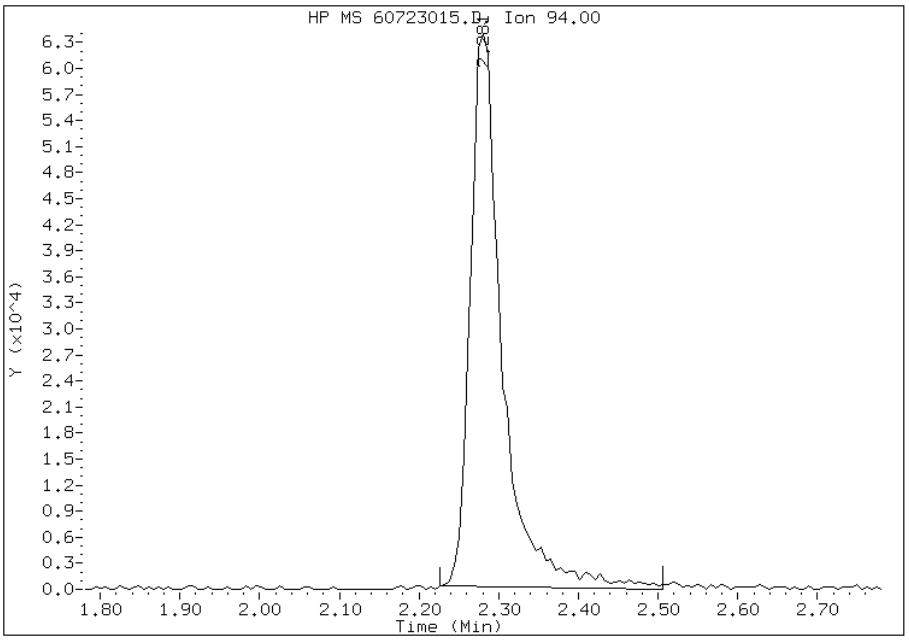
Processing Integration Results

RT: 2.28

Response: 180090

Amount: 140

Conc: 5586



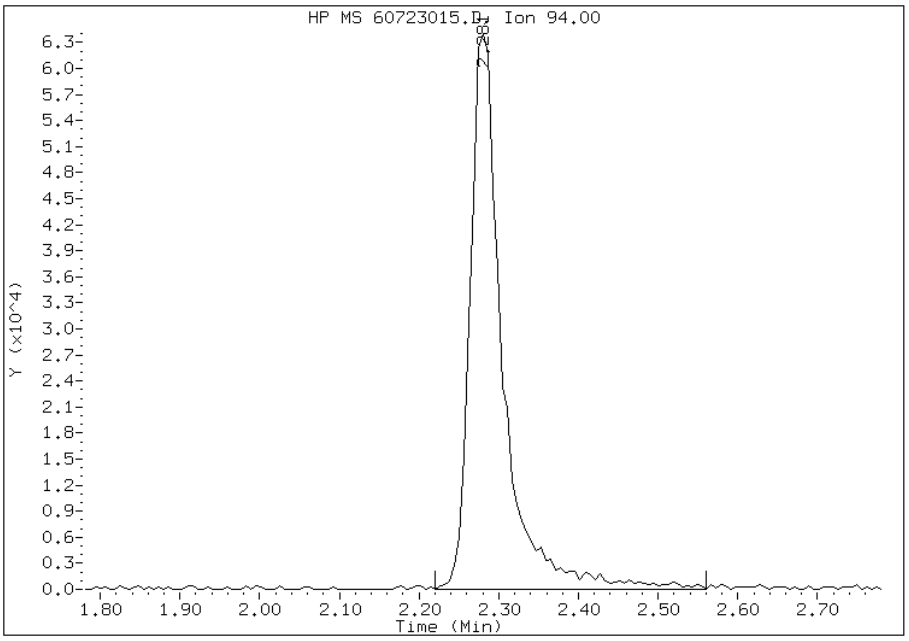
Manual Integration Results

RT: 2.28

Response: 185075

Amount: 140

Conc: 5600



Manually Integrated By: zukowskim
Modification Date: 24-Jul-2012 02:06
Manual Integration Reason: Peak Integrated Incorrectly

Manual Integration Report

Data File: 60723015.D
Inj. Date and Time: 23-JUL-2012 20:36
Instrument ID: hp6.i
Client ID: vstd40
Compound: 13 Acetone
CAS #: 67-64-1
Report Date: 07/25/2012

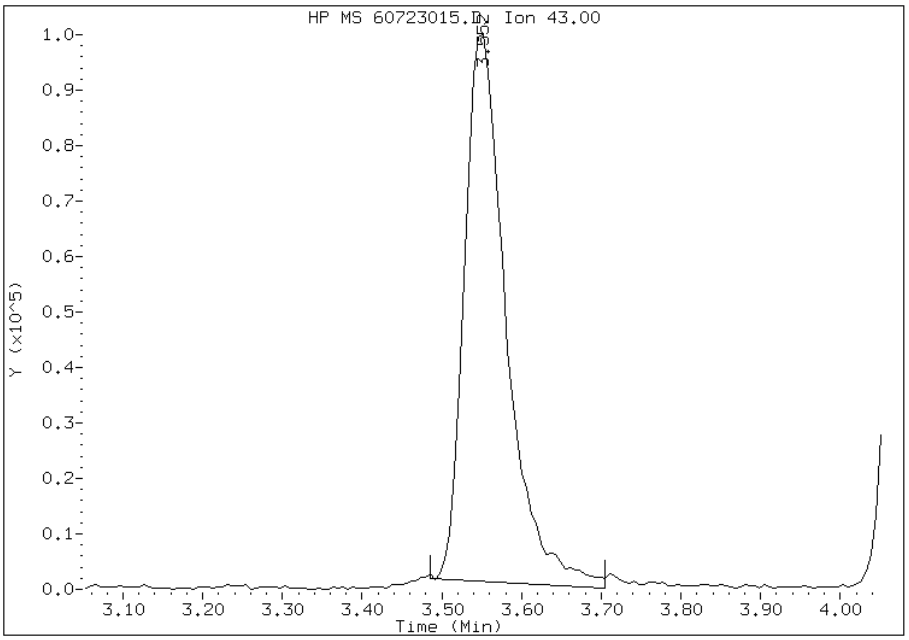
Processing Integration Results

RT: 3.55

Response: 363911

Amount: 361

Conc: 14454



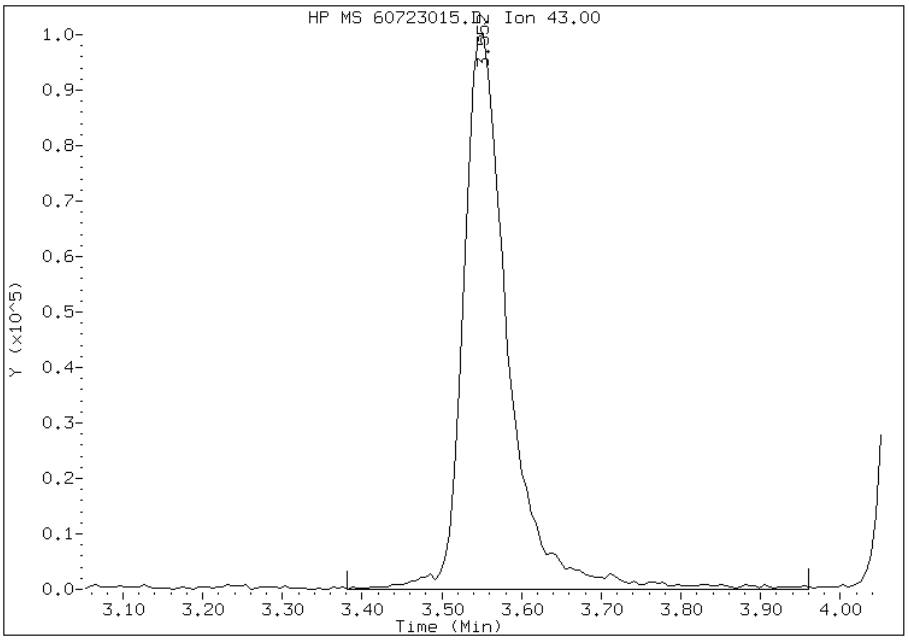
Manual Integration Results

RT: 3.55

Response: 397498

Amount: 349

Conc: 13975



Manually Integrated By: zukowskim
Modification Date: 24-Jul-2012 01:41
Manual Integration Reason: Peak Integrated Incorrectly

Manual Integration Report

Data File: 60723015.D
Inj. Date and Time: 23-JUL-2012 20:36
Instrument ID: hp6.i
Client ID: vstd40
Compound: 31 2-Butanone
CAS #: 78-93-3
Report Date: 07/25/2012

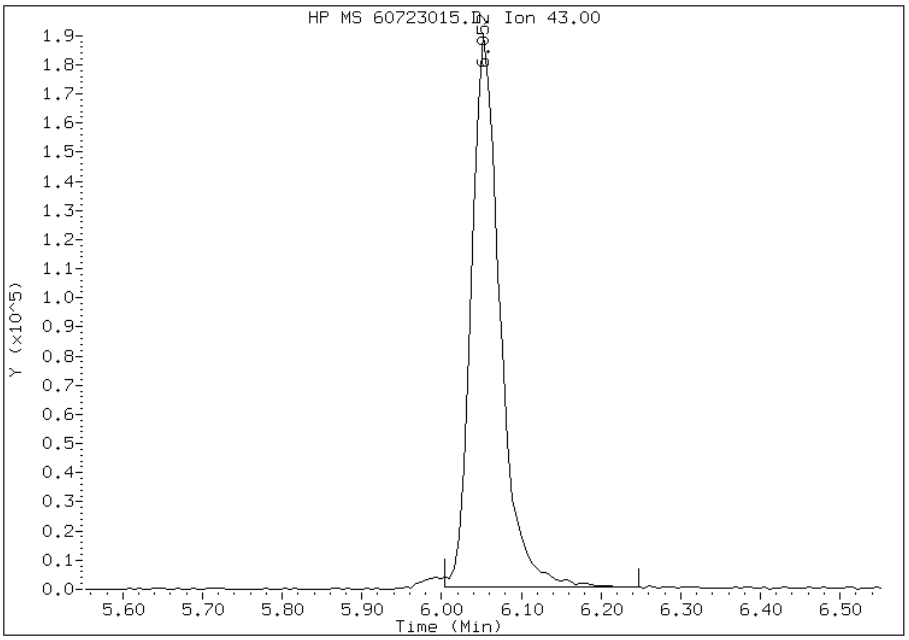
Processing Integration Results

RT: 6.05

Response: 484395

Amount: 331

Conc: 13249



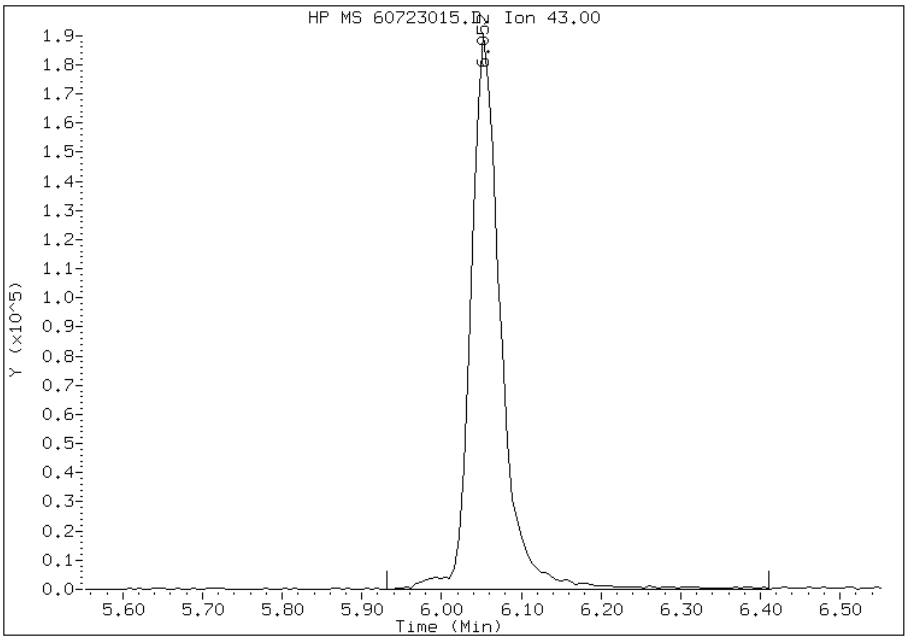
Manual Integration Results

RT: 6.05

Response: 509301

Amount: 360

Conc: 14393



Manually Integrated By: zukowskim
Modification Date: 24-Jul-2012 01:41
Manual Integration Reason: Peak Integrated Incorrectly

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

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 43277

SDG No.:

Instrument ID: HP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/30/2012 06:55 Calibration End Date: 07/30/2012 09:20 Calibration ID: 5971

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-43277/2	60730007.D
Level 2	IC 180-43277/3	60730008.D
Level 3	ICIS 180-43277/4	60730009.D
Level 4	IC 180-43277/5	60730010.D
Level 5	IC 180-43277/6	60730011.D
Level 6	IC 180-43277/7	60730012.D
Level 7	IC 180-43277/8	60730013.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	0.0105 0.0167	0.0160 0.0141	0.0157	0.0170	0.0155	Ave		0.0151				14.9		15.0			
Iodomethane	0.3631 0.3285	0.3202 0.3276	0.3248	0.3110	0.3296	Ave		0.3293				4.9		15.0			
Allyl chloride	0.1147 0.1260	0.1130 0.1253	0.1153	0.1154	0.1238	Ave		0.1191				4.8		15.0			
Acrylonitrile	0.0864 0.1219	0.1174 0.1233	0.1246	0.1181	0.1188	Ave		0.1158				11.4		15.0			
Vinyl acetate	0.6224 0.6873	0.5553 0.7154	0.6152	0.6335	0.6763	Ave		0.6436				8.3		15.0			
Chloroprene	0.5275 0.5848	0.5251 0.5885	0.5572	0.5458	0.5973	Ave		0.5609				5.3		15.0			
Propionitrile	0.0421 0.0478	0.0511 0.0455	0.0479	0.0419	0.0454	Ave		0.0460				7.2		15.0			
Methacrylonitrile	0.1722 0.1977	0.1729 0.1960	0.1862	0.1797	0.1847	Ave		0.1842				5.5		15.0			
Isobutyl alcohol	0.0084 0.0093	0.0096 0.0094	0.0088	0.0087	0.0091	Ave		0.0091				4.7		15.0			
Methyl methacrylate	0.2097 0.2755	0.2395 0.2678	0.2501	0.2484	0.2542	Ave		0.2493				8.5		15.0			
1,4-Dioxane	0.0024 0.0025	0.0024 0.0024	0.0024	0.0023	0.0025	Ave		0.0024				2.6		15.0			
2-Chloroethyl vinyl ether	0.1212 0.1706	0.1356 0.1636	0.1533	0.1556	0.1563	Ave		0.1509				11.2		15.0			
Ethyl methacrylate	1.0414 1.4085	1.1994 1.4064	1.3044	1.2530	1.2548	Ave		1.2668				10.0		15.0			
trans-1,4-Dichloro-2-butene	0.1779 0.2290	0.2057 +++++	0.2040	0.1920	0.2057	Ave		0.2024				8.4		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.: 180-13537-1 Analy Batch No.: 43277

SDG No.:

Instrument ID: HP6 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/30/2012 06:55 Calibration End Date: 07/30/2012 09:20 Calibration ID: 5971

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-43277/2	60730007.D
Level 2	IC 180-43277/3	60730008.D
Level 3	ICIS 180-43277/4	60730009.D
Level 4	IC 180-43277/5	60730010.D
Level 5	IC 180-43277/6	60730011.D
Level 6	IC 180-43277/7	60730012.D
Level 7	IC 180-43277/8	60730013.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	9376 34756	18750 32105	21749	28609	29457	100 225	125 250	150	175	200
Iodomethane	FB	Ave	16279 531117	75060 596545	150183	224389	313901	5.00 175	25.0 200	50.0	75.0	100
Allyl chloride	FB	Ave	5143 203745	26486 228202	53325	83237	117842	5.00 175	25.0 200	50.0	75.0	100
Acrylonitrile	FB	Ave	77478 253351	137657 280642	172784	198870	226322	100 225	125 250	150	175	200
Vinyl acetate	FB	Ave	27907 1110978	130189 1302968	284397	457021	644016	5.00 175	25.0 200	50.0	75.0	100
Chloroprene	FB	Ave	23652 945335	123097 1071843	257586	393730	568764	5.00 175	25.0 200	50.0	75.0	100
Propionitrile	FB	Ave	3777 154519	23962 165867	44317	60492	86493	10.0 350	50.0 400	100	150	200
Methacrylonitrile	FB	Ave	7721 319673	40527 356979	86084	129648	175904	5.00 175	25.0 200	50.0	75.0	100
Isobutyl alcohol	FB	Ave	15067 602890	90294 682580	163145	251950	347808	200 7000	1000 8000	2000	3000	4000
Methyl methacrylate	FB	Ave	9403 445357	56159 487672	115645	179183	242088	5.00 175	25.0 200	50.0	75.0	100
1,4-Dioxane	FB	Ave	21797 796104	112510 867692	220355	328606	466705	1000 35000	5000 40000	10000	15000	20000
2-Chloroethyl vinyl ether	FB	Ave	10868 551495	63583 595923	141747	224543	297728	10.0 350	50.0 400	100	150	200
Ethyl methacrylate	CBZ	Ave	9139 459149	54147 501835	113529	173591	240365	5.00 175	25.0 200	50.0	75.0	100
trans-1,4-Dichloro-2-butene	DCB	Ave	2037 94022	12158 +++++	23301	35663	49497	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\T6073012d.b\60730007.D
Lab Smp Id: IC
Inj Date : 30-JUL-2012 06:55
Operator : 430936 Inst ID: hp6.i
Smp Info : IC, 1 APPIX
Misc Info : T6073012d.b,T8260bllw.m,1-appix.sub
Comment :
Method : \\pitsvr06\D\chem\hp6.i\T6073012d.b\T8260bllw.m
Meth Date : 31-Jul-2012 02:27 hp6.i Quant Type: ISTD
Cal Date : 23-JUL-2012 18:59 Cal File: 60723011.D
Als bottle: 52 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)	ON-COL (ng)
* 46 Fluorobenzene (IS)	96	7.344	7.344	(1.000)	448354	50.0000	
* 69 Chlorobenzene-d5	119	10.440	10.440	(1.000)	87759	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.770	12.770	(1.000)	114507	50.0000	
$ 39 Dibromofluoromethane (Surr)	113	Compound Not Detected.					
$ 43 1,2-Dichloroethane-d4	65	Compound Not Detected.					
$ 59 Toluene-d8	98	Compound Not Detected.					
$ 80 Bromofluorobenzene (Surr)	95	Compound Not Detected.					
35 Tetrahydrofuran	42	Compound Not Detected.					
48 n-Butanol	56	Compound Not Detected.					
11 Acrolein	56	3.316	3.316	(0.452)	9376	100.000	20.03(M)
14 Iodomethane	142	3.633	3.633	(0.495)	16279	5.00000	5.059
17 Acetonitrile	40	Compound Not Detected.					
22 Acrylonitrile	53	4.624	4.624	(0.630)	77478	100.000	74.23(M)
16 3-Chloro-1-propene	76	4.016	4.016	(0.547)	5143	5.00000	4.082(Q)
26 2-Chloro-1,3-butadiene	53	5.360	5.360	(0.730)	23652	5.00000	4.627
32 Vinyl Acetate	43	5.360	5.360	(0.730)	27907	5.00000	6.288
34 Propionitrile	54	6.139	6.139	(0.836)	3777	10.0000	10.46
36 Methacrylonitrile	41	6.309	6.309	(0.859)	7721	5.00000	4.591(Q)
44 Isobutanol	41	7.009	7.009	(0.954)	15067	200.000	189.4(M)
51 Methyl methacrylate	41	8.116	8.116	(1.105)	9403	5.00000	4.460
52 1,4-Dioxane	88	8.135	8.135	(1.108)	21797	1000.00	1047
56 2-Chloroethyl vinyl ether	63	8.591	8.591	(1.170)	10868	10.0000	8.326
179 Ethyl methacrylate	69	9.382	9.382	(0.899)	9139	5.00000	3.553
159 trans-1,4-Dichloro-2-butene	53	11.815	11.815	(0.925)	2037	5.00000	3.092

QC Flag Legend

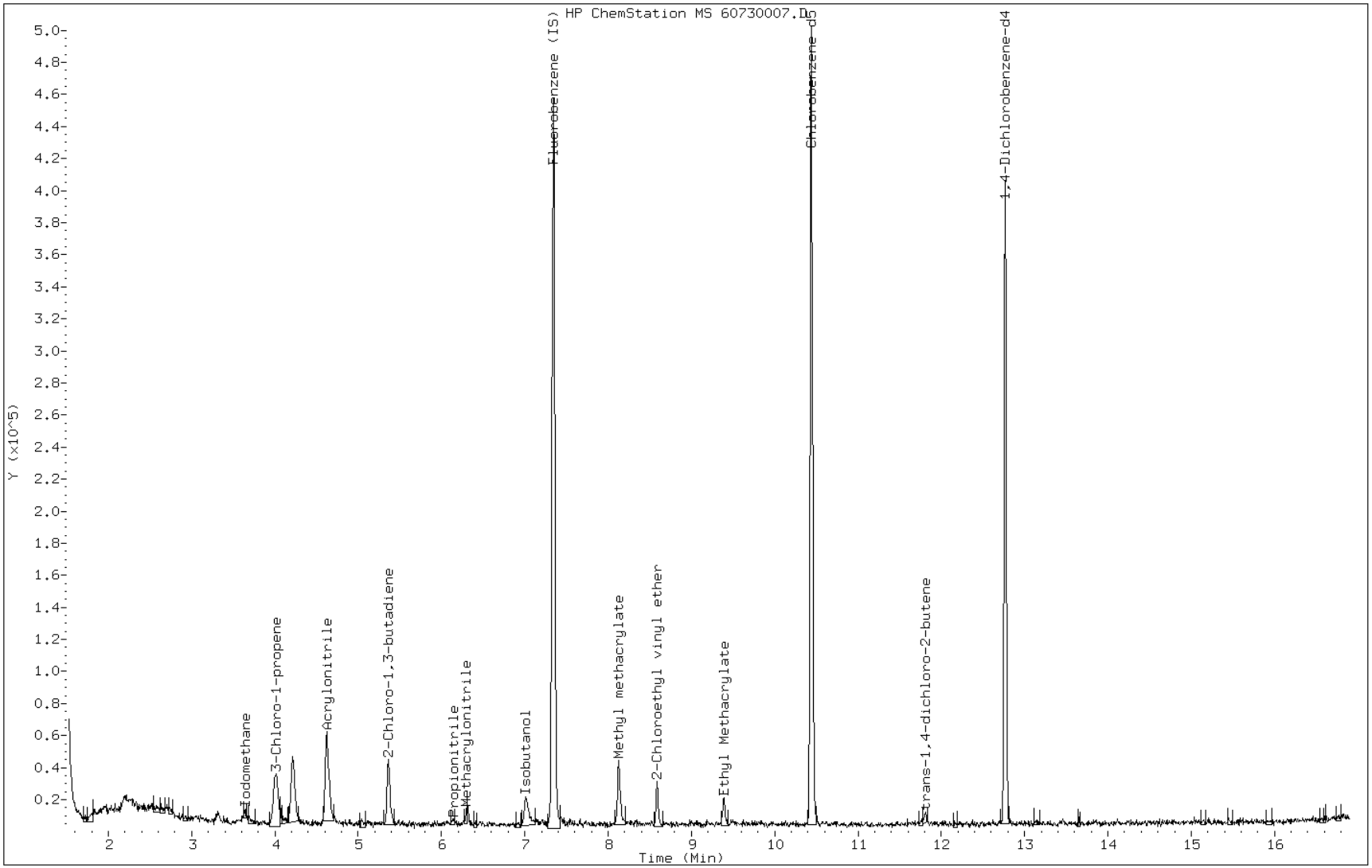
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: 60730007.D

Date: 30-JUL-2012 06:55

Client ID: Instrument: hp6.i

Sample Info: IC, 1 APPIX Operator: 430936



Manual Integration Report

Data File: 60730007.D
Inj. Date and Time: 30-JUL-2012 06:55
Instrument ID: hp6.i
Client ID:
Compound: 11 Acrolein
CAS #: 107-02-8
Report Date: 08/07/2012

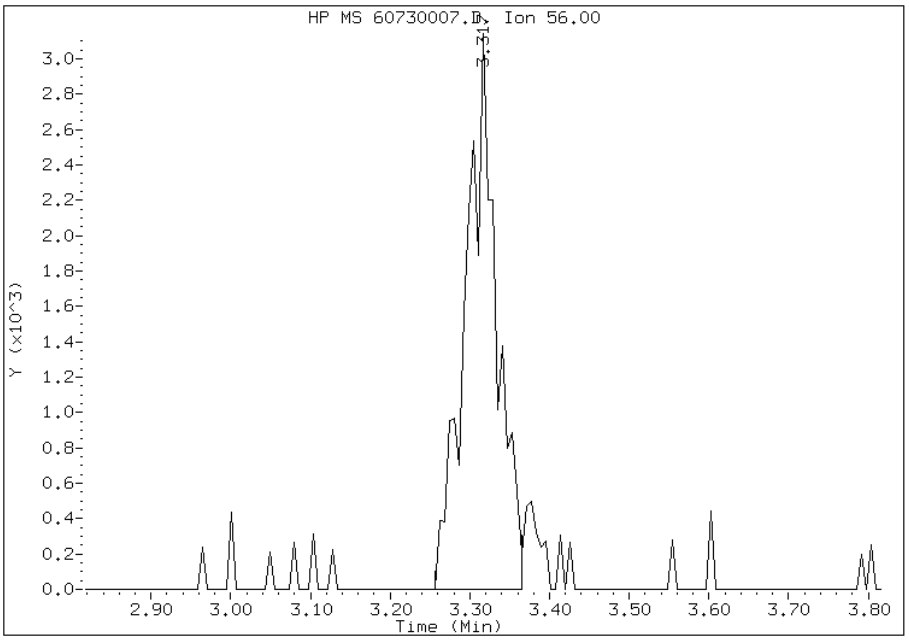
Processing Integration Results

RT: 3.32

Response: 8718

Amount: 19

Conc: 19



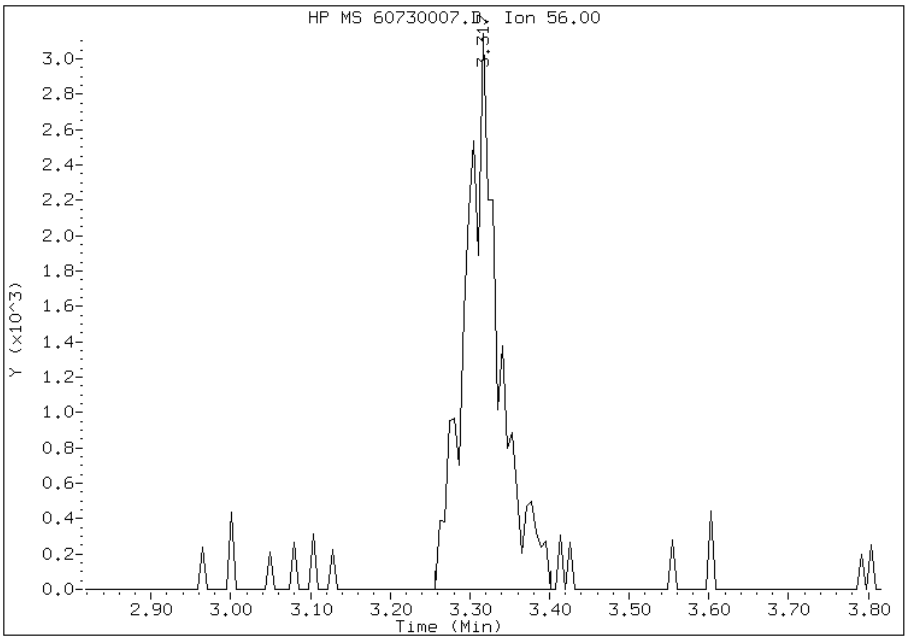
Manual Integration Results

RT: 3.32

Response: 9376

Amount: 20

Conc: 20



Manually Integrated By: zukowskim
Modification Date: 30-Jul-2012 07:24
Manual Integration Reason: Peak Integrated Incorrectly

Manual Integration Report

Data File: 60730007.D
Inj. Date and Time: 30-JUL-2012 06:55
Instrument ID: hp6.i
Client ID:
Compound: 22 Acrylonitrile
CAS #: 107-13-1
Report Date: 08/07/2012

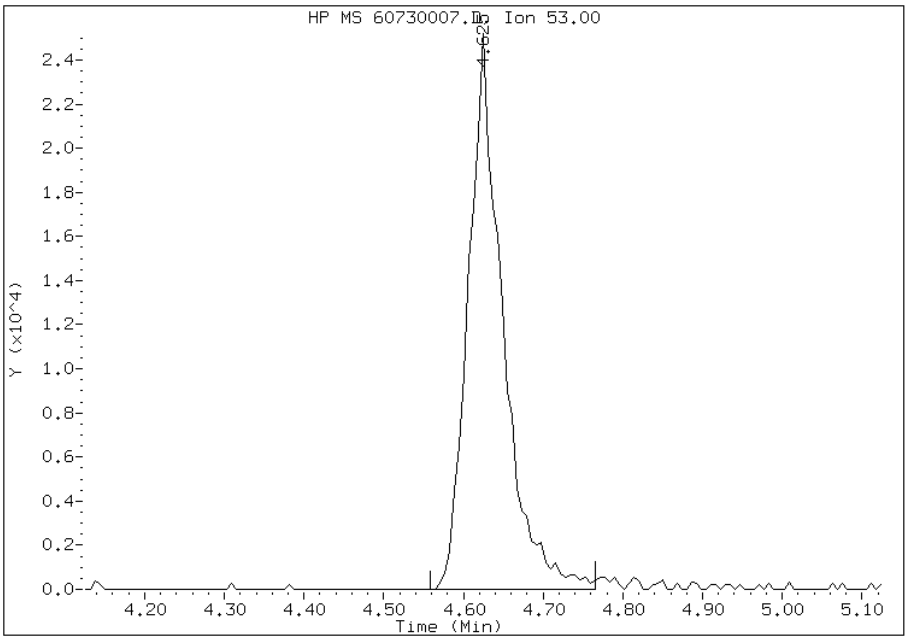
Processing Integration Results

RT: 4.62

Response: 76653

Amount: 73

Conc: 73



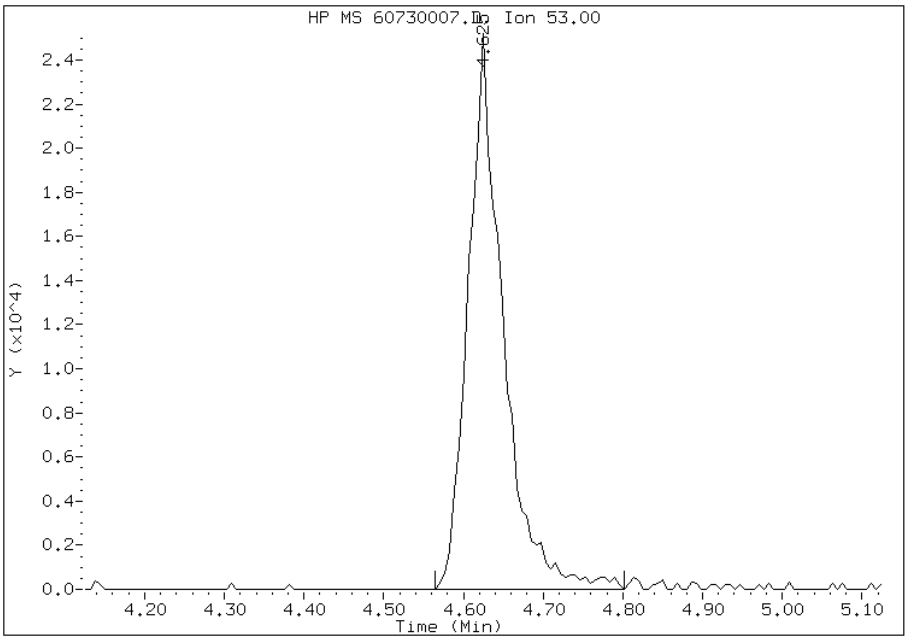
Manual Integration Results

RT: 4.62

Response: 77478

Amount: 74

Conc: 74



Manually Integrated By: zukowskim
Modification Date: 30-Jul-2012 07:24
Manual Integration Reason: Peak Integrated Incorrectly

Manual Integration Report

Data File: 60730007.D
Inj. Date and Time: 30-JUL-2012 06:55
Instrument ID: hp6.i
Client ID:
Compound: 44 Isobutanol
CAS #: 78-83-1
Report Date: 08/07/2012

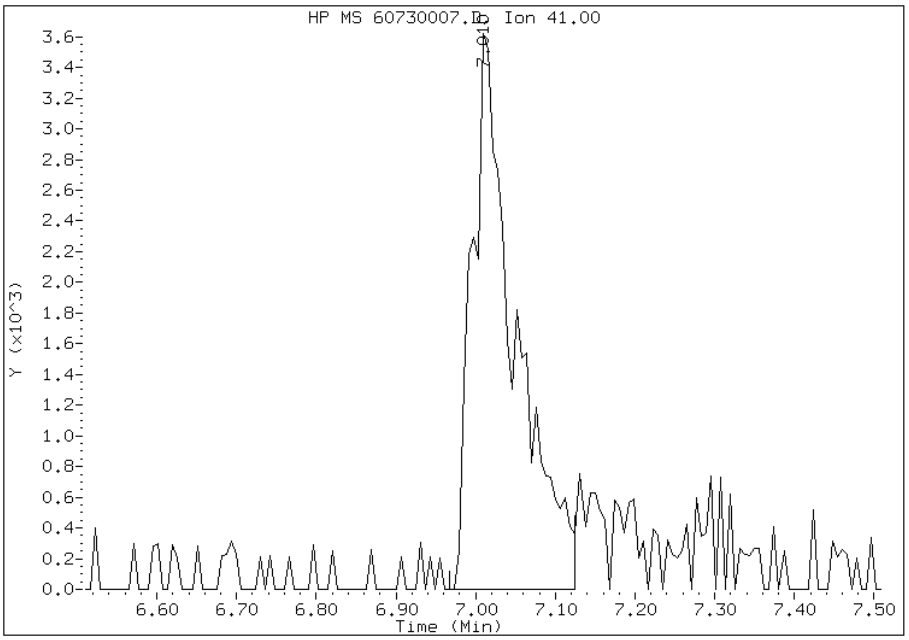
Processing Integration Results

RT: 7.01

Response: 13833

Amount: 174

Conc: 174



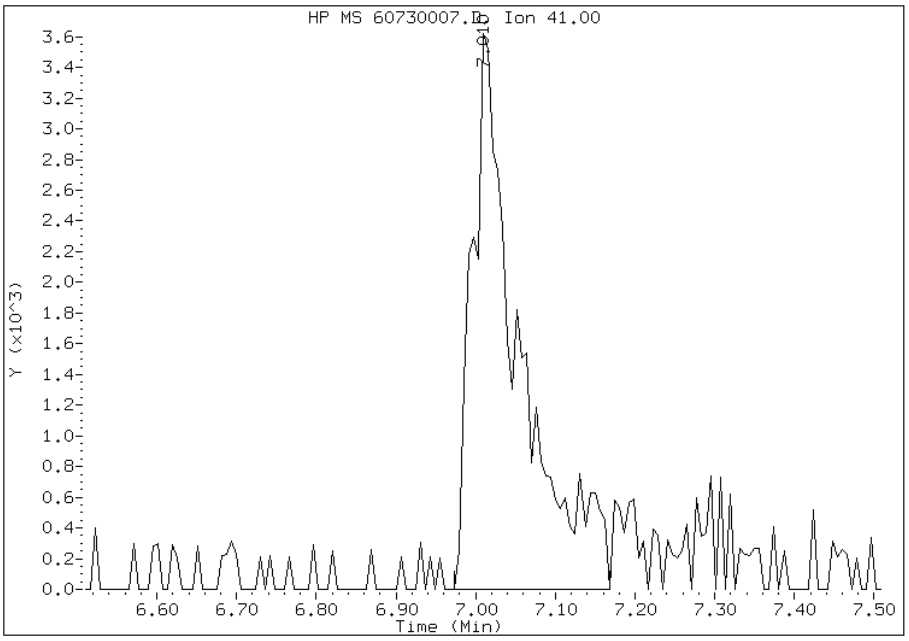
Manual Integration Results

RT: 7.01

Response: 15067

Amount: 189

Conc: 189



Manually Integrated By: zukowskim
Modification Date: 30-Jul-2012 07:25
Manual Integration Reason: Peak Integrated Incorrectly

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\D\chem\hp6.i\T6073012d.b\60730008.D
Lab Smp Id: IC
Inj Date : 30-JUL-2012 07:19
Operator : 430936 Inst ID: hp6.i
Smp Info : IC, 5 APPIX
Misc Info : T6073012d.b,T8260bllw.m,1-appix.sub
Comment :
Method : \\pitsvr06\D\chem\hp6.i\T6073012d.b\T8260bllw.m
Meth Date : 31-Jul-2012 02:27 hp6.i Quant Type: ISTD
Cal Date : 23-JUL-2012 18:11 Cal File: 60723009.D
Als bottle: 53 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	7.342	7.342	(1.000)	468887	50.0000	
* 69 Chlorobenzene-d5	119	10.439	10.439	(1.000)	90288	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.769	12.769	(1.000)	118232	50.0000	
$ 39 Dibromofluoromethane (Surr)	113	Compound Not Detected.					
$ 43 1,2-Dichloroethane-d4	65	Compound Not Detected.					
$ 59 Toluene-d8	98	Compound Not Detected.					
$ 80 Bromofluorobenzene (Surr)	95	Compound Not Detected.					
35 Tetrahydrofuran	42	Compound Not Detected.					
48 n-Butanol	56	Compound Not Detected.					
11 Acrolein	56	3.303	3.303	(0.450)	18750	125.000	43.38
14 Iodomethane	142	3.631	3.631	(0.495)	75060	25.0000	22.46
17 Acetonitrile	40	Compound Not Detected.					
22 Acrylonitrile	53	4.623	4.623	(0.630)	137657	125.000	131.1
16 3-Chloro-1-propene	76	4.008	4.008	(0.546)	26486	25.0000	20.76(Q)
26 2-Chloro-1,3-butadiene	53	5.365	5.365	(0.731)	123097	25.0000	23.56
32 Vinyl Acetate	43	5.359	5.359	(0.730)	130189	25.0000	27.17
34 Propionitrile	54	6.132	6.132	(0.835)	23962	50.0000	63.60
36 Methacrylonitrile	41	6.308	6.308	(0.859)	40527	25.0000	24.22
44 Isobutanol	41	7.014	7.014	(0.955)	90294	1000.00	1118(M)
51 Methyl methacrylate	41	8.115	8.115	(1.105)	56159	25.0000	26.20
52 1,4-Dioxane	88	8.127	8.127	(1.107)	112510	5000.00	5186
56 2-Chloroethyl vinyl ether	63	8.589	8.589	(1.170)	63583	50.0000	48.05
179 Ethyl methacrylate	69	9.386	9.386	(0.899)	54147	25.0000	21.19
159 trans-1,4-Dichloro-2-butene	53	11.814	11.814	(0.925)	12158	25.0000	19.77

QC Flag Legend

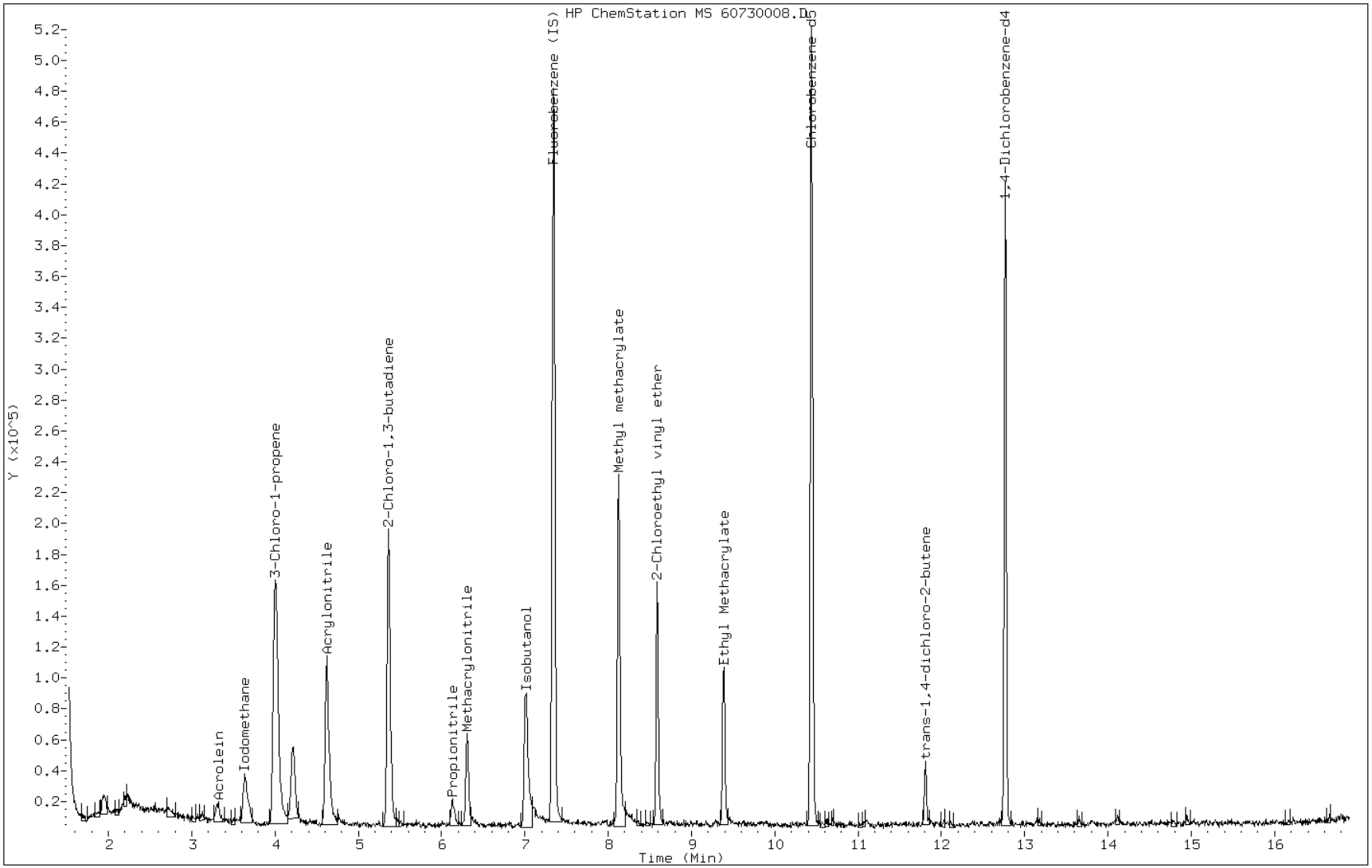
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: 60730008.D

Date: 30-JUL-2012 07:19

Client ID: Instrument: hp6.i

Sample Info: IC, 5 APPIX Operator: 430936



Manual Integration Report

Data File: 60730008.D
Inj. Date and Time: 30-JUL-2012 07:19
Instrument ID: hp6.i
Client ID:
Compound: 44 Isobutanol
CAS #: 78-83-1
Report Date: 08/07/2012

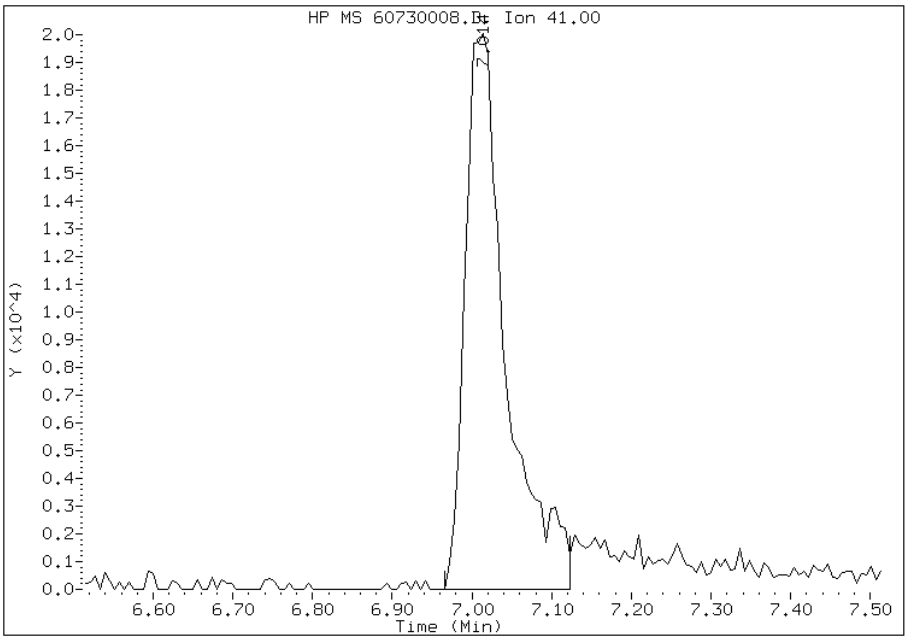
Processing Integration Results

RT: 7.01

Response: 72688

Amount: 874

Conc: 874



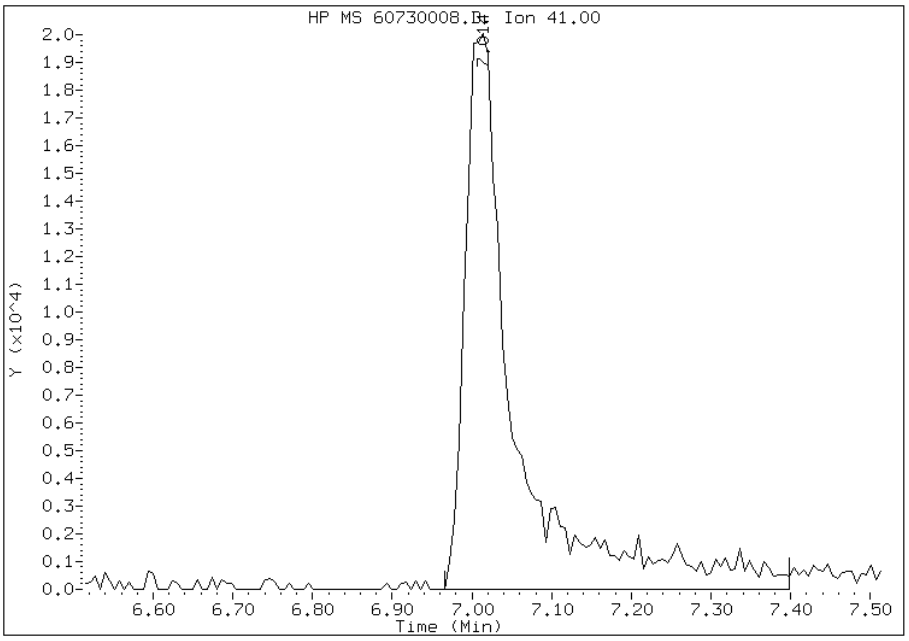
Manual Integration Results

RT: 7.01

Response: 90294

Amount: 1119

Conc: 1119



Manually Integrated By: zukowskim
Modification Date: 30-Jul-2012 07:42
Manual Integration Reason: Peak Integrated Incorrectly

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\D\chem\hp6.i\T6073012d.b\60730009.D
Lab Smp Id: ICIS
Inj Date : 30-JUL-2012 07:43
Operator : 430936 Inst ID: hp6.i
Smp Info : ICIS, 10 APPIX
Misc Info : T6073012d.b,T8260bllw.m,1-appix.sub
Comment :
Method : \\pitsvr06\D\chem\hp6.i\T6073012d.b\T8260bllw.m
Meth Date : 31-Jul-2012 02:27 hp6.i Quant Type: ISTD
Cal Date : 23-JUL-2012 18:35 Cal File: 60723010.D
Als bottle: 54 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-appix.sub
Target Version: 4.14
Processing Host: PITPC-530

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
* 46 Fluorobenzene (IS)	96	7.342	7.342	(1.000)	462318	50.0000	
* 69 Chlorobenzene-d5	119	10.438	10.438	(1.000)	87034	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.768	12.768	(1.000)	114230	50.0000	
$ 39 Dibromofluoromethane (Surr)	113	Compound Not Detected.					
$ 43 1,2-Dichloroethane-d4	65	Compound Not Detected.					
$ 59 Toluene-d8	98	Compound Not Detected.					
$ 80 Bromofluorobenzene (Surr)	95	Compound Not Detected.					
35 Tetrahydrofuran	42	Compound Not Detected.					
48 n-Butanol	56	Compound Not Detected.					
11 Acrolein	56	3.314	3.314	(0.451)	21749	150.000	57.48
14 Iodomethane	142	3.643	3.643	(0.496)	150183	50.0000	45.95
17 Acetonitrile	40	Compound Not Detected.					
22 Acrylonitrile	53	4.622	4.622	(0.630)	172784	150.000	166.2
16 3-Chloro-1-propene	76	4.020	4.020	(0.548)	53325	50.0000	43.26(Q)
26 2-Chloro-1,3-butadiene	53	5.364	5.364	(0.731)	257586	50.0000	50.09
32 Vinyl Acetate	43	5.358	5.358	(0.730)	284397	50.0000	58.70
34 Propionitrile	54	6.125	6.125	(0.834)	44317	100.000	115.0
36 Methacrylonitrile	41	6.307	6.307	(0.859)	86084	50.0000	52.40
44 Isobutanol	41	7.007	7.007	(0.954)	163145	2000.00	2014
51 Methyl methacrylate	41	8.114	8.114	(1.105)	115645	50.0000	54.33
52 1,4-Dioxane	88	8.126	8.126	(1.107)	220355	10000.0	10300
56 2-Chloroethyl vinyl ether	63	8.589	8.589	(1.170)	141747	100.000	109.1
179 Ethyl methacrylate	69	9.386	9.386	(0.899)	113529	50.0000	46.82
159 trans-1,4-Dichloro-2-butene	53	11.813	11.813	(0.925)	23301	50.0000	40.32

QC Flag Legend

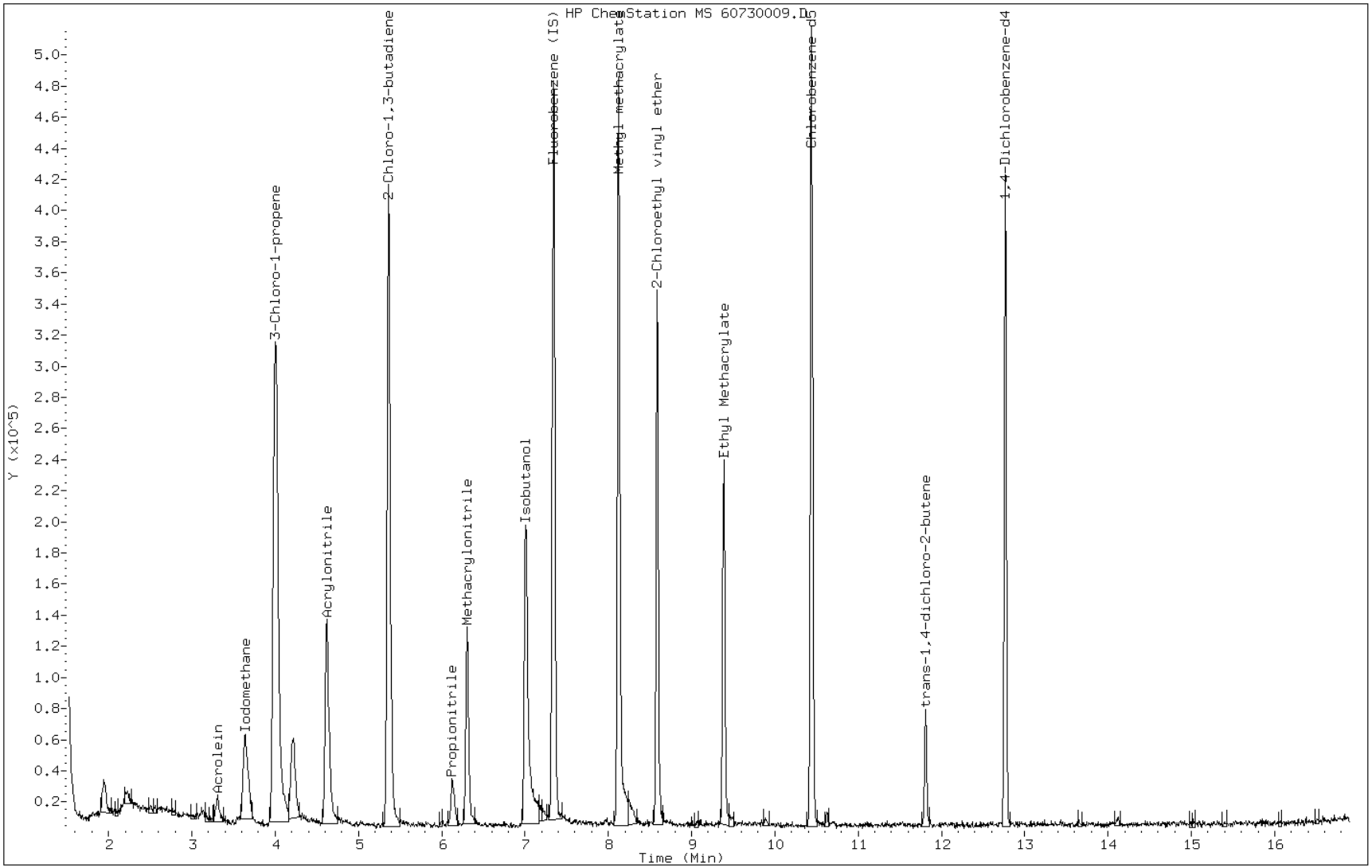
Q - Qualifier signal failed the ratio test.

Data File: 60730009.D

Date: 30-JUL-2012 07:43

Client ID: Instrument: hp6.i

Sample Info: ICIS, 10 APPIX Operator: 430936



TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\D\chem\hp6.i\T6073012d.b\60730010.D
Lab Smp Id: IC
Inj Date : 30-JUL-2012 08:08
Operator : 430936 Inst ID: hp6.i
Smp Info : IC, 15 APPIX
Misc Info : T6073012d.b,T8260bllw.m,1-appix.sub
Comment :
Method : \\pitsvr06\D\chem\hp6.i\T6073012d.b\T8260bllw.m
Meth Date : 31-Jul-2012 02:27 hp6.i Quant Type: ISTD
Cal Date : 23-JUL-2012 18:59 Cal File: 60723011.D
Als bottle: 55 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)	ON-COL (ng)
* 46 Fluorobenzene (IS)	96	7.343	7.343	(1.000)	480946	50.0000	
* 69 Chlorobenzene-d5	119	10.439	10.439	(1.000)	92361	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.763	12.763	(1.000)	123838	50.0000	
$ 39 Dibromofluoromethane (Surr)	113	Compound Not Detected.					
$ 43 1,2-Dichloroethane-d4	65	Compound Not Detected.					
$ 59 Toluene-d8	98	Compound Not Detected.					
$ 80 Bromofluorobenzene (Surr)	95	Compound Not Detected.					
35 Tetrahydrofuran	42	Compound Not Detected.					
48 n-Butanol	56	Compound Not Detected.					
11 Acrolein	56	3.309	3.309	(0.451)	28609	175.000	83.17
14 Iodomethane	142	3.644	3.644	(0.496)	224389	75.0000	66.58
17 Acetonitrile	40	Compound Not Detected.					
22 Acrylonitrile	53	4.624	4.624	(0.630)	198870	175.000	181.5
16 3-Chloro-1-propene	76	4.009	4.009	(0.546)	83237	75.0000	66.23(Q)
26 2-Chloro-1,3-butadiene	53	5.366	5.366	(0.731)	393730	75.0000	73.39
32 Vinyl Acetate	43	5.360	5.360	(0.730)	457021	75.0000	87.19
34 Propionitrile	54	6.126	6.126	(0.834)	60492	150.000	146.4
36 Methacrylonitrile	41	6.303	6.303	(0.858)	129648	75.0000	75.18
44 Isobutanol	41	7.008	7.008	(0.954)	251950	3000.00	2992(M)
51 Methyl methacrylate	41	8.115	8.115	(1.105)	179183	75.0000	79.49
52 1,4-Dioxane	88	8.128	8.128	(1.107)	328606	15000.0	14740(M)
56 2-Chloroethyl vinyl ether	63	8.590	8.590	(1.170)	224543	150.000	163.6
179 Ethyl methacrylate	69	9.387	9.387	(0.899)	173591	75.0000	68.03
159 trans-1,4-Dichloro-2-butene	53	11.808	11.808	(0.925)	35663	75.0000	60.02

QC Flag Legend

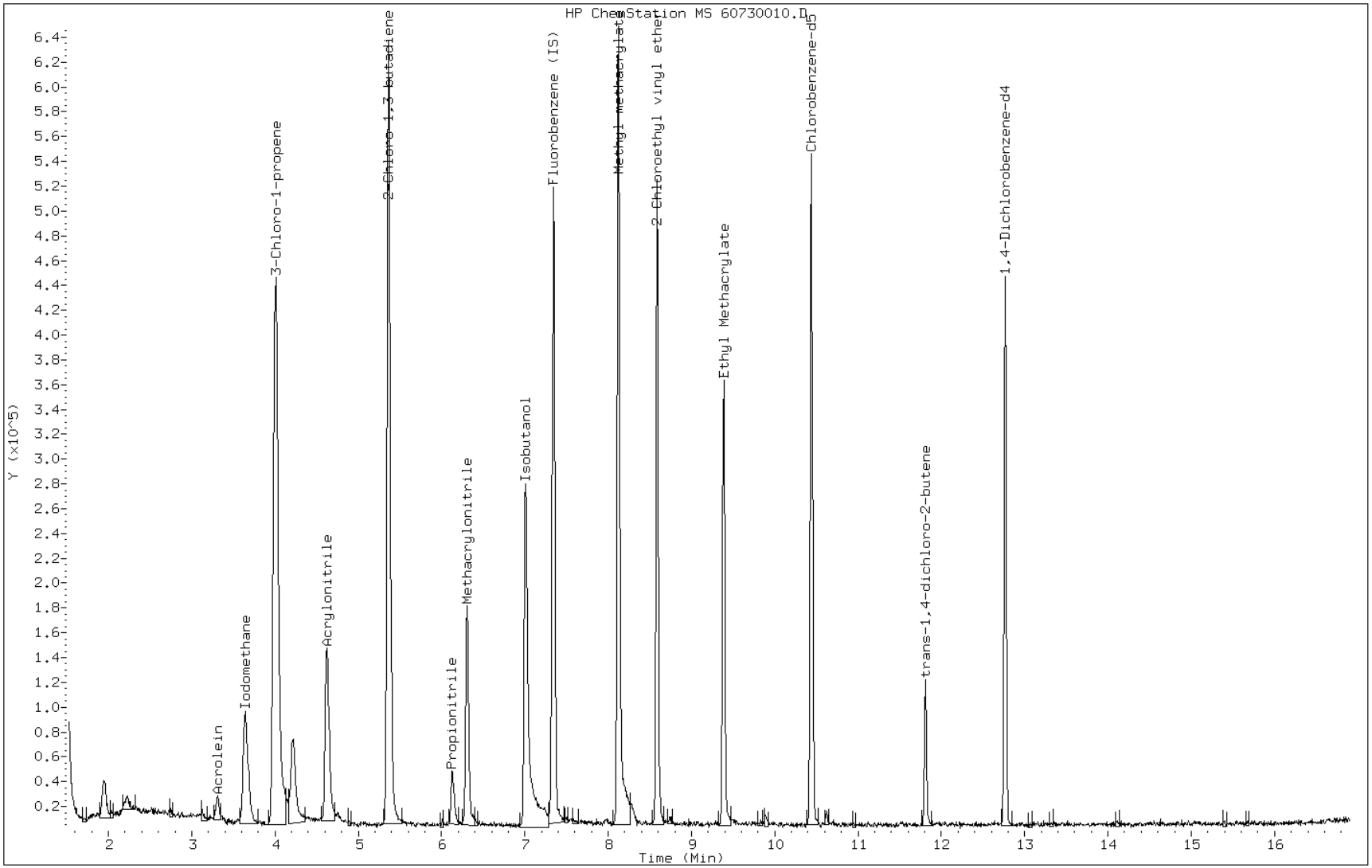
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: 60730010.D

Date: 30-JUL-2012 08:08

Client ID: Instrument: hp6.i

Sample Info: IC, 15 APPIX Operator: 430936



Manual Integration Report

Data File: 60730010.D
Inj. Date and Time: 30-JUL-2012 08:08
Instrument ID: hp6.i
Client ID:
Compound: 44 Isobutanol
CAS #: 78-83-1
Report Date: 08/07/2012

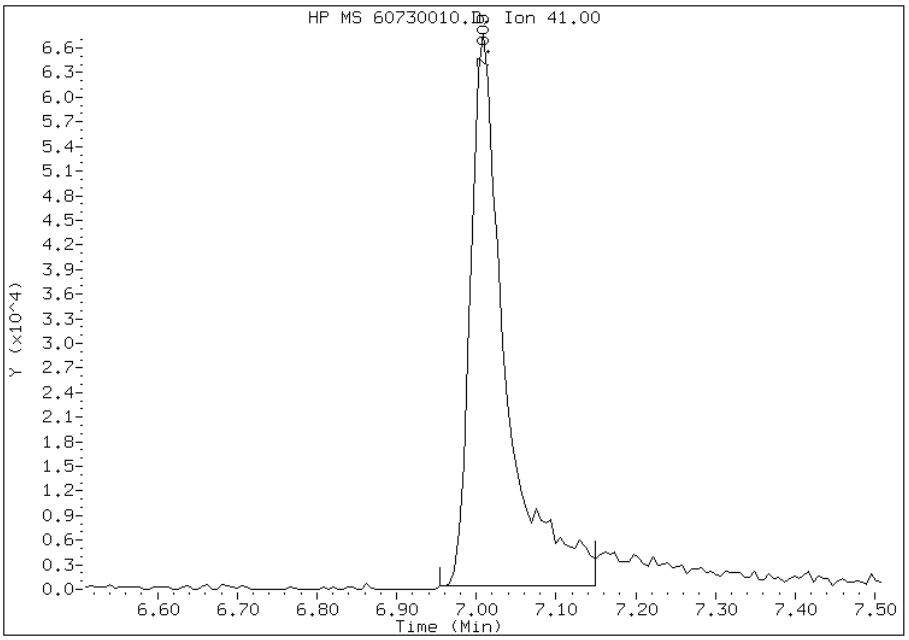
Processing Integration Results

RT: 7.01

Response: 208272

Amount: 2441

Conc: 2441



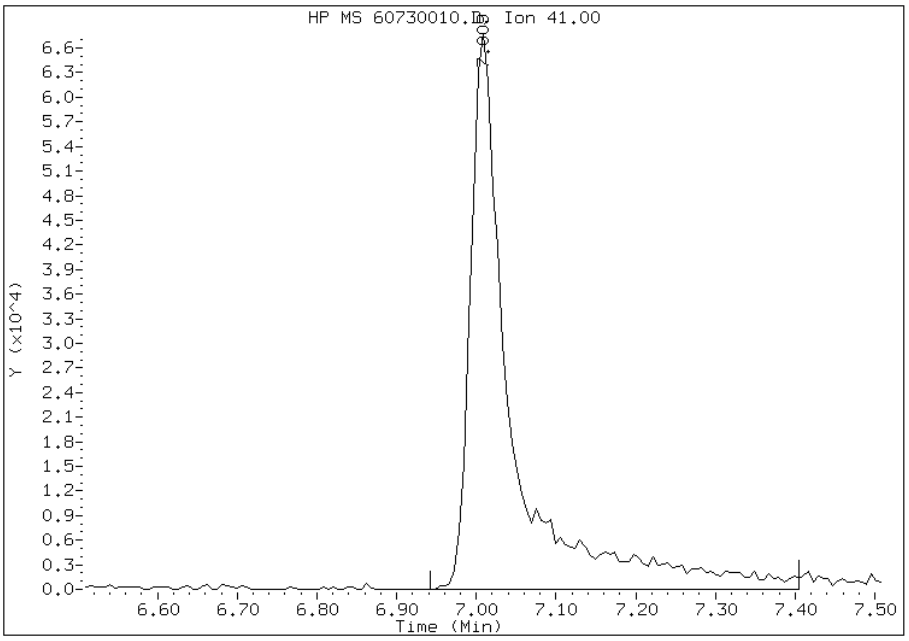
Manual Integration Results

RT: 7.01

Response: 251950

Amount: 2992

Conc: 2992



Manually Integrated By: zukowskim
Modification Date: 30-Jul-2012 08:28
Manual Integration Reason: Peak Integrated Incorrectly

Manual Integration Report

Data File: 60730010.D
Inj. Date and Time: 30-JUL-2012 08:08
Instrument ID: hp6.i
Client ID:
Compound: 52 1,4-Dioxane
CAS #: 123-91-1
Report Date: 08/07/2012

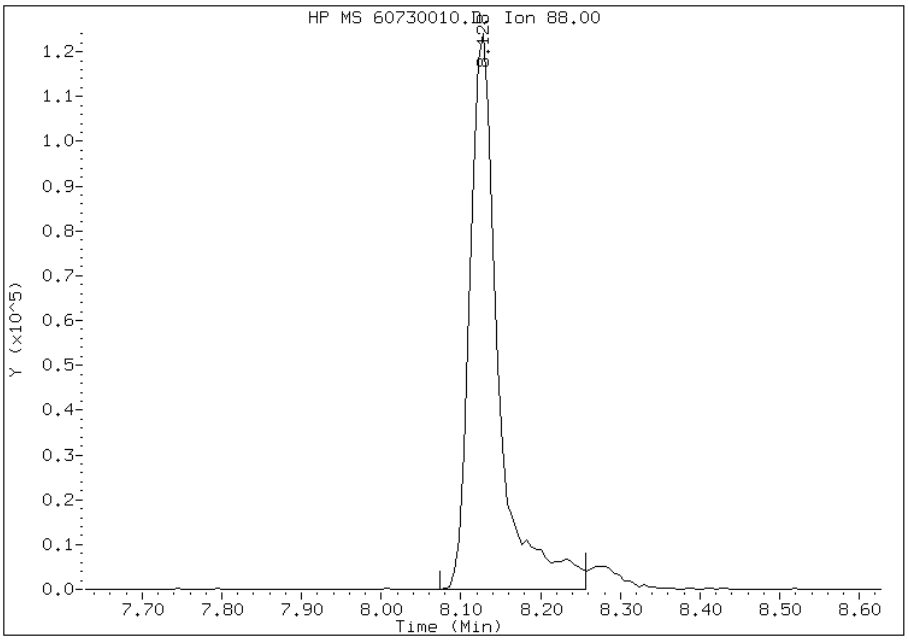
Processing Integration Results

RT: 8.13

Response: 313830

Amount: 14052

Conc: 14052



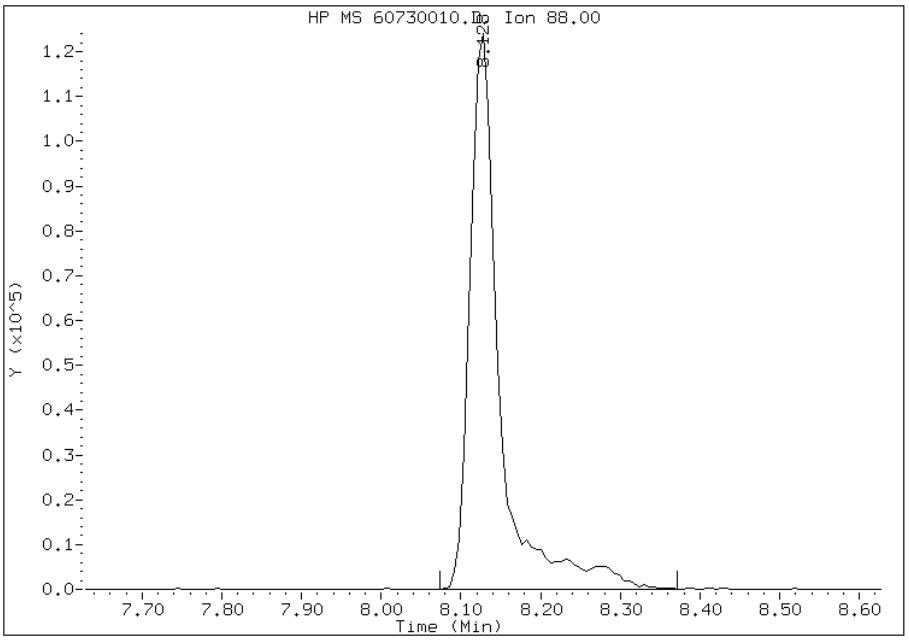
Manual Integration Results

RT: 8.13

Response: 328606

Amount: 14741

Conc: 14741



Manually Integrated By: zukowskim
Modification Date: 30-Jul-2012 08:28
Manual Integration Reason: Peak Integrated Incorrectly

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\D\chem\hp6.i\T6073012d.b\60730011.D
Lab Smp Id: IC
Inj Date : 30-JUL-2012 08:32
Operator : 430936 Inst ID: hp6.i
Smp Info : IC, 20 APPIX
Misc Info : T6073012d.b,T8260bllw.m,1-appix.sub
Comment :
Method : \\pitsvr06\D\chem\hp6.i\T6073012d.b\T8260bllw.m
Meth Date : 31-Jul-2012 02:27 hp6.i Quant Type: ISTD
Cal Date : 23-JUL-2012 19:23 Cal File: 60723012.D
Als bottle: 56 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)	ON-COL (ng)
* 46 Fluorobenzene (IS)	96	7.343	7.343	(1.000)	476120	50.0000	
* 69 Chlorobenzene-d5	119	10.440	10.440	(1.000)	95782	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.770	12.770	(1.000)	120300	50.0000	
$ 39 Dibromofluoromethane (Surr)	113	Compound Not Detected.					
$ 43 1,2-Dichloroethane-d4	65	Compound Not Detected.					
$ 59 Toluene-d8	98	Compound Not Detected.					
$ 80 Bromofluorobenzene (Surr)	95	Compound Not Detected.					
35 Tetrahydrofuran	42	Compound Not Detected.					
48 n-Butanol	56	Compound Not Detected.					
11 Acrolein	56	3.310	3.310	(0.451)	29457	200.000	99.44
14 Iodomethane	142	3.644	3.644	(0.496)	313901	100.000	96.55
17 Acetonitrile	40	Compound Not Detected.					
22 Acrylonitrile	53	4.624	4.624	(0.630)	226322	200.000	208.2
16 3-Chloro-1-propene	76	4.009	4.009	(0.546)	117842	100.000	97.83(QM)
26 2-Chloro-1,3-butadiene	53	5.366	5.366	(0.731)	568764	100.000	108.0
32 Vinyl Acetate	43	5.354	5.354	(0.729)	644016	100.000	120.0
34 Propionitrile	54	6.126	6.126	(0.834)	86493	200.000	208.3
36 Methacrylonitrile	41	6.303	6.303	(0.858)	175904	100.000	102.9
44 Isobutanol	41	7.008	7.008	(0.954)	347808	4000.00	4102(M)
51 Methyl methacrylate	41	8.116	8.116	(1.105)	242088	100.000	106.9
52 1,4-Dioxane	88	8.122	8.122	(1.106)	466705	20000.0	21130
56 2-Chloroethyl vinyl ether	63	8.590	8.590	(1.170)	297728	200.000	215.2
179 Ethyl methacrylate	69	9.387	9.387	(0.899)	240365	100.000	93.32
159 trans-1,4-Dichloro-2-butene	53	11.808	11.808	(0.925)	49497	100.000	91.18

QC Flag Legend

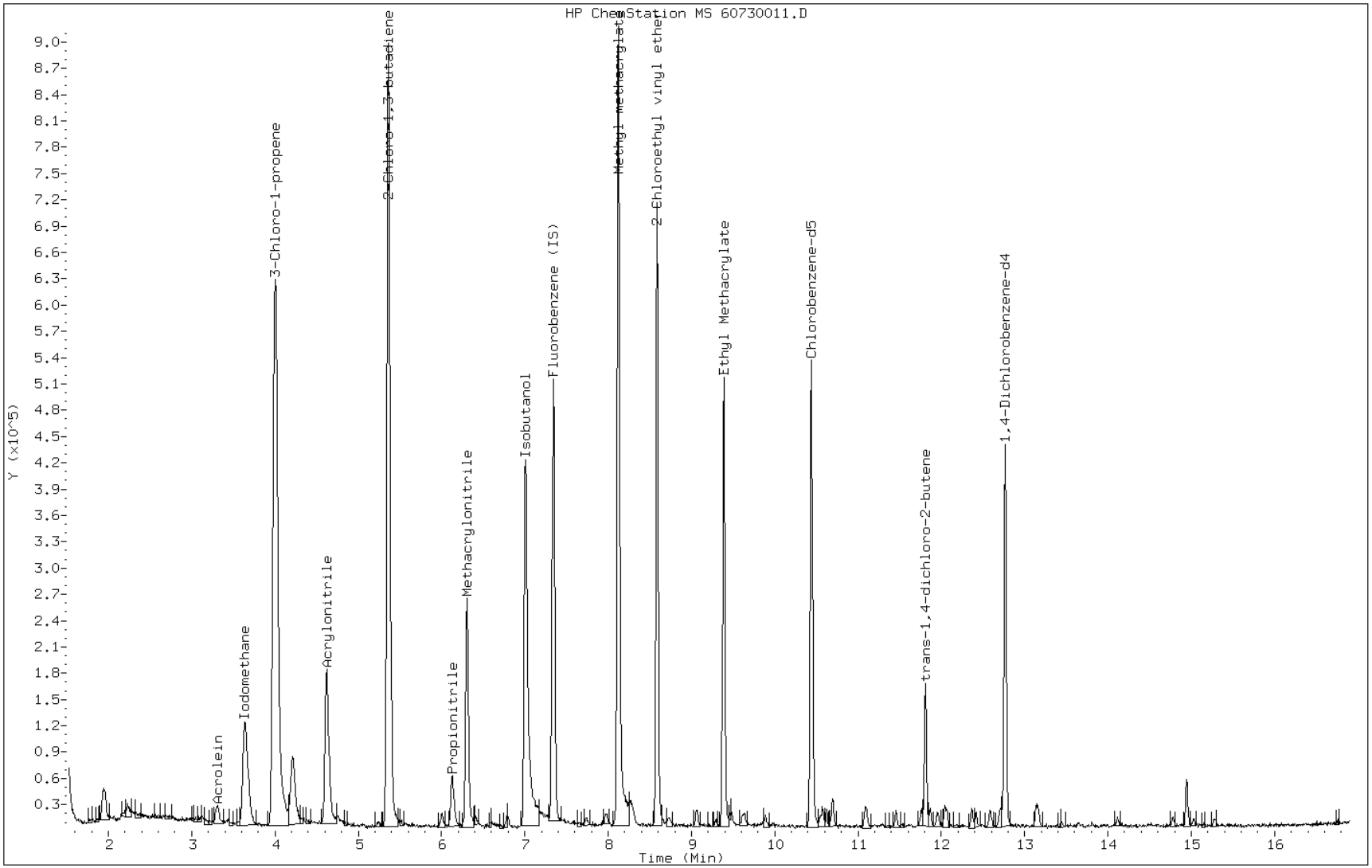
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: 60730011.D

Date: 30-JUL-2012 08:32

Client ID: Instrument: hp6.i

Sample Info: IC, 20 APPIX Operator: 430936



Manual Integration Report

Data File: 60730011.D
Inj. Date and Time: 30-JUL-2012 08:32
Instrument ID: hp6.i
Client ID:
Compound: 16 3-Chloro-1-propene
CAS #: 107-05-1
Report Date: 08/07/2012

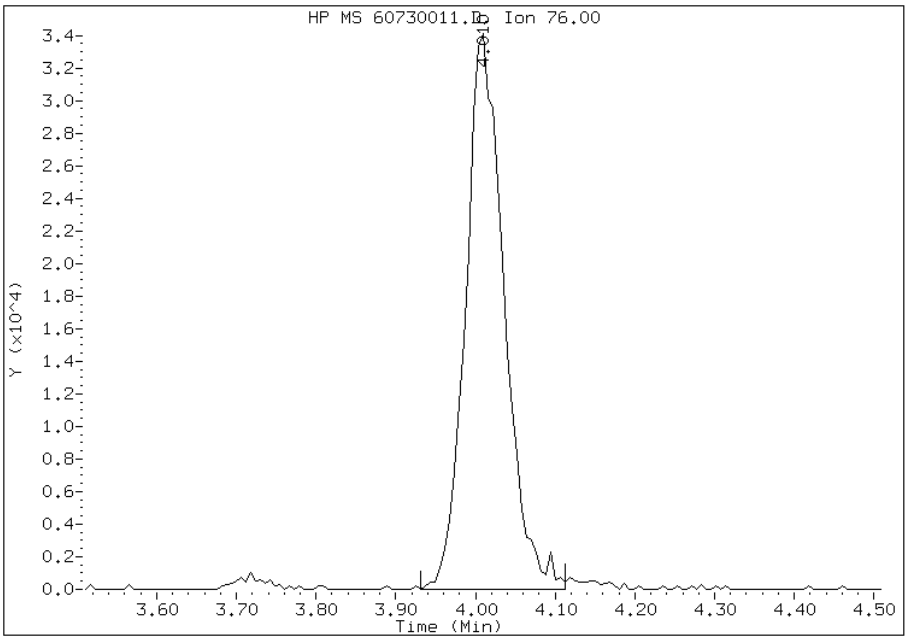
Processing Integration Results

RT: 4.01

Response: 116170

Amount: 87

Conc: 87



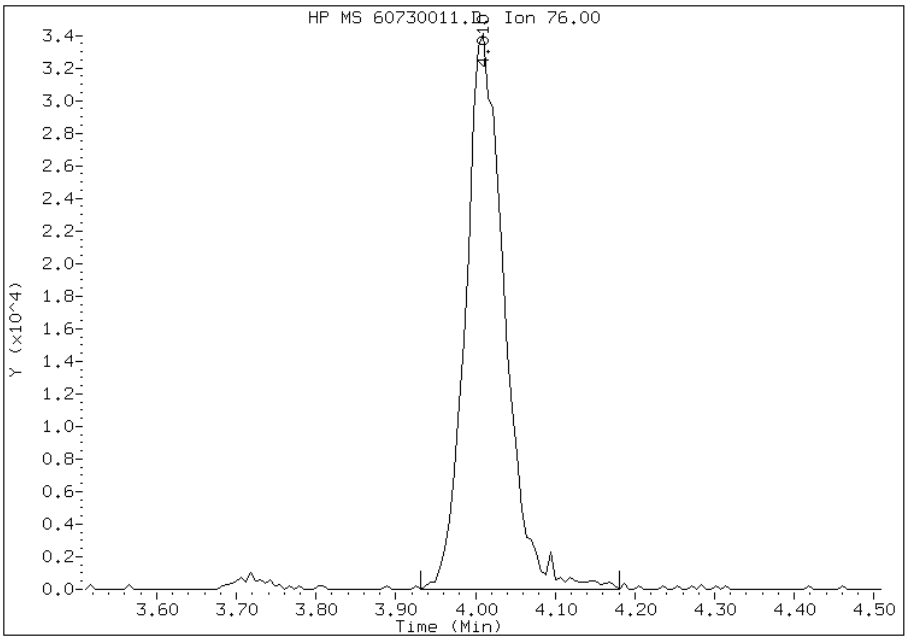
Manual Integration Results

RT: 4.01

Response: 117842

Amount: 98

Conc: 98



Manually Integrated By: zukowskim
Modification Date: 30-Jul-2012 08:58
Manual Integration Reason: Peak Integrated Incorrectly

Manual Integration Report

Data File: 60730011.D
Inj. Date and Time: 30-JUL-2012 08:32
Instrument ID: hp6.i
Client ID:
Compound: 44 Isobutanol
CAS #: 78-83-1
Report Date: 08/07/2012

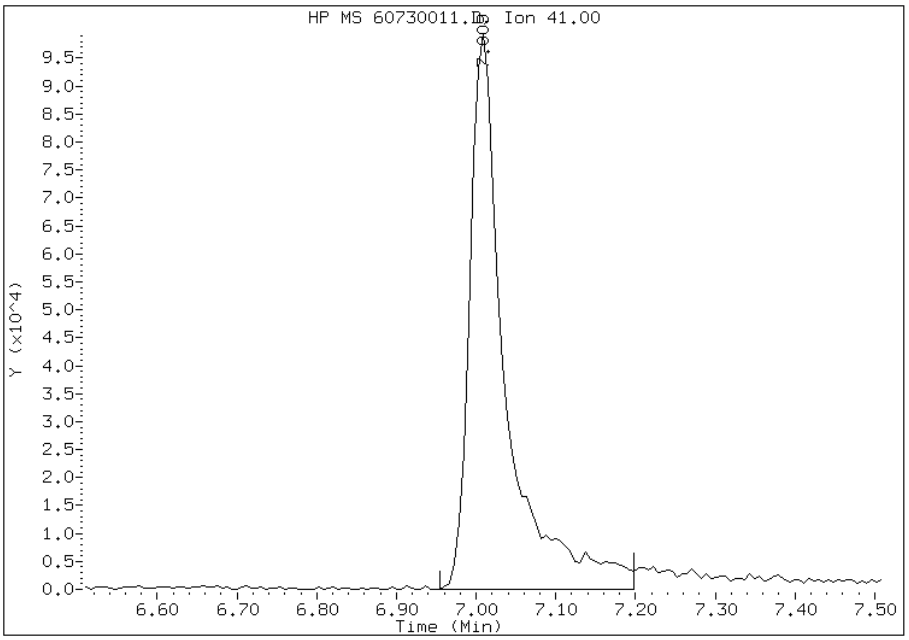
Processing Integration Results

RT: 7.01

Response: 317938

Amount: 3765

Conc: 3765



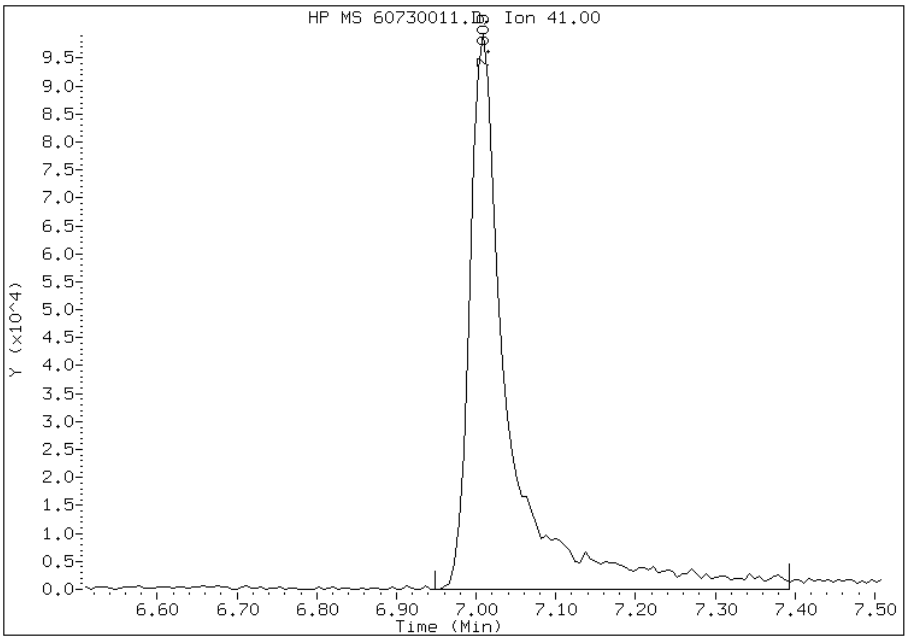
Manual Integration Results

RT: 7.01

Response: 347808

Amount: 4102

Conc: 4102



Manually Integrated By: zukowskim
Modification Date: 30-Jul-2012 08:59
Manual Integration Reason: Peak Integrated Incorrectly

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\D\chem\hp6.i\T6073012d.b\60730012.D
Lab Smp Id: IC
Inj Date : 30-JUL-2012 08:56
Operator : 430936 Inst ID: hp6.i
Smp Info : IC, 35 APPIX
Misc Info : T6073012d.b,T8260bllw.m,1-appix.sub
Comment :
Method : \\pitsvr06\D\chem\hp6.i\T6073012d.b\T8260bllw.m
Meth Date : 31-Jul-2012 02:27 hp6.i Quant Type: ISTD
Cal Date : 23-JUL-2012 19:47 Cal File: 60723013.D
Als bottle: 57 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

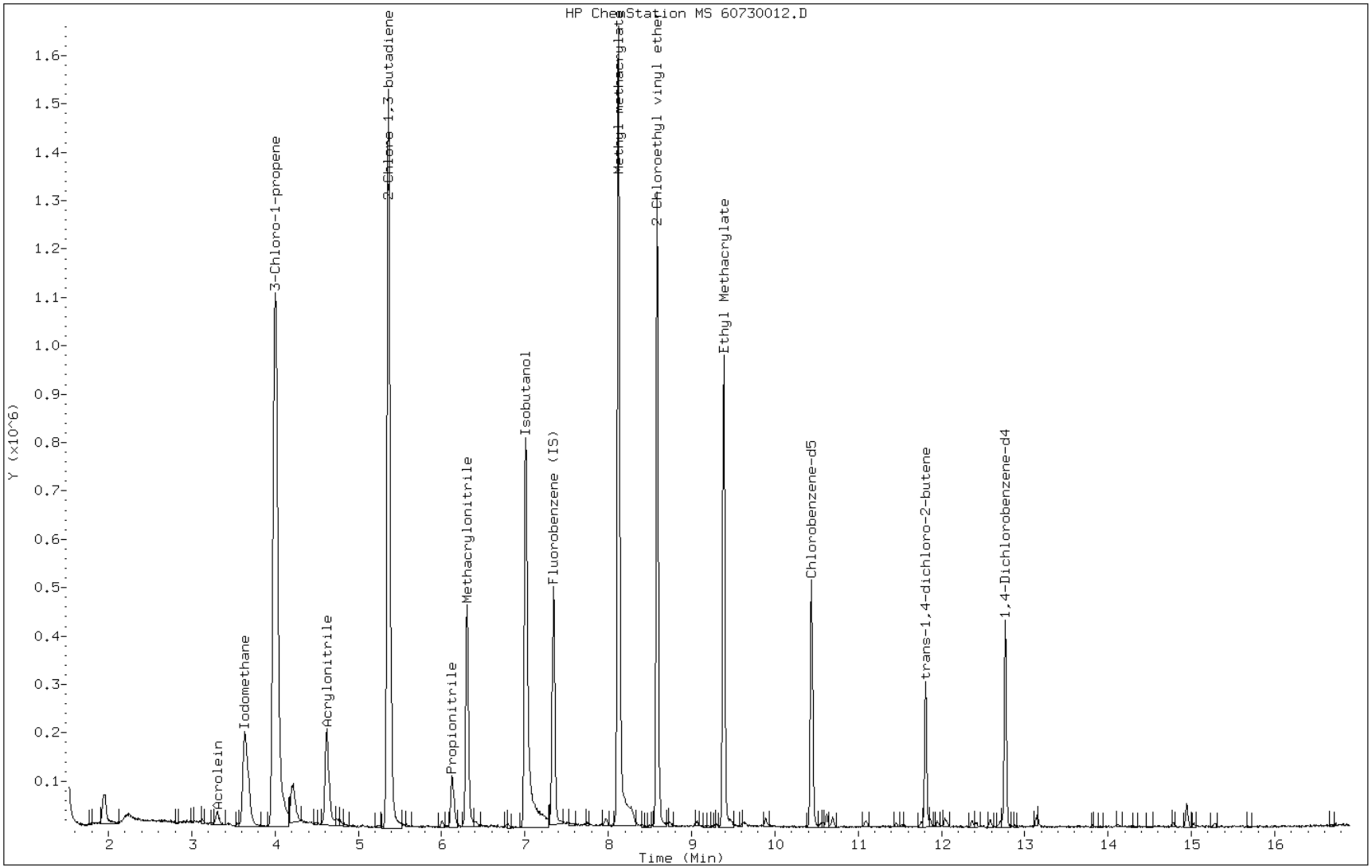
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 46 Fluorobenzene (IS)	96	7.342	7.342	(1.000)	461873	50.0000	
* 69 Chlorobenzene-d5	119	10.438	10.438	(1.000)	93139	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.762	12.762	(1.000)	117282	50.0000	
$ 39 Dibromofluoromethane (Surr)	113	Compound Not Detected.					
$ 43 1,2-Dichloroethane-d4	65	Compound Not Detected.					
$ 59 Toluene-d8	98	Compound Not Detected.					
$ 80 Bromofluorobenzene (Surr)	95	Compound Not Detected.					
35 Tetrahydrofuran	42	Compound Not Detected.					
48 n-Butanol	56	Compound Not Detected.					
11 Acrolein	56	3.308	3.308	(0.451)	34756	225.000	145.8
14 Iodomethane	142	3.637	3.637	(0.495)	531117	175.000	169.8
17 Acetonitrile	40	Compound Not Detected.					
22 Acrylonitrile	53	4.622	4.622	(0.630)	253351	225.000	239.2
16 3-Chloro-1-propene	76	4.008	4.008	(0.546)	203745	175.000	176.8
26 2-Chloro-1,3-butadiene	53	5.365	5.365	(0.731)	945335	175.000	182.9
32 Vinyl Acetate	43	5.359	5.359	(0.730)	1110978	175.000	203.5
34 Propionitrile	54	6.125	6.125	(0.834)	154519	350.000	374.7
36 Methacrylonitrile	41	6.301	6.301	(0.858)	319673	175.000	190.7
44 Isobutanol	41	7.007	7.007	(0.954)	602890	7000.00	7247
51 Methyl methacrylate	41	8.114	8.114	(1.105)	445357	175.000	199.4
52 1,4-Dioxane	88	8.127	8.127	(1.107)	796104	35000.0	36460
56 2-Chloroethyl vinyl ether	63	8.589	8.589	(1.170)	551495	350.000	404.4
179 Ethyl methacrylate	69	9.386	9.386	(0.899)	459149	175.000	187.5
159 trans-1,4-Dichloro-2-butene	53	11.813	11.813	(0.926)	94022	175.000	187.2

Data File: 60730012.D

Date: 30-JUL-2012 08:56

Client ID: Instrument: hp6.i

Sample Info: IC, 35 APPIX Operator: 430936



TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\D\chem\hp6.i\T6073012d.b\60730013.D
Lab Smp Id: IC
Inj Date : 30-JUL-2012 09:20
Operator : 430936 Inst ID: hp6.i
Smp Info : IC, 40 APPIX
Misc Info : T6073012d.b,T8260bllw.m,1-appix.sub
Comment :
Method : \\pitsvr06\D\chem\hp6.i\T6073012d.b\T8260bllw.m
Meth Date : 31-Jul-2012 02:27 hp6.i Quant Type: ISTD
Cal Date : 23-JUL-2012 20:12 Cal File: 60723014.D
Als bottle: 58 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)	ON-COL (ng)
* 46 Fluorobenzene (IS)	96	7.342	7.342	(1.000)	455306	50.0000	
* 69 Chlorobenzene-d5	119	10.445	10.445	(1.000)	89208	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.768	12.768	(1.000)	124381	50.0000	
$ 39 Dibromofluoromethane (Surr)	113	Compound Not Detected.					
$ 43 1,2-Dichloroethane-d4	65	Compound Not Detected.					
$ 59 Toluene-d8	98	Compound Not Detected.					
$ 80 Bromofluorobenzene (Surr)	95	Compound Not Detected.					
35 Tetrahydrofuran	42	Compound Not Detected.					
48 n-Butanol	56	Compound Not Detected.					
11 Acrolein	56	3.303	3.303	(0.450)	32105	250.000	168.1
14 Iodomethane	142	3.637	3.637	(0.495)	596545	200.000	195.6
17 Acetonitrile	40	Compound Not Detected.					
22 Acrylonitrile	53	4.617	4.617	(0.629)	280642	250.000	266.4
16 3-Chloro-1-propene	76	4.008	4.008	(0.546)	228202	200.000	205.1(Q)
26 2-Chloro-1,3-butadiene	53	5.359	5.359	(0.730)	1071843	200.000	209.5
32 Vinyl Acetate	43	5.359	5.359	(0.730)	1302968	200.000	232.0
34 Propionitrile	54	6.125	6.125	(0.834)	165867	400.000	399.2
36 Methacrylonitrile	41	6.302	6.302	(0.858)	356979	200.000	213.9
44 Isobutanol	41	7.007	7.007	(0.954)	682580	8000.00	8288
51 Methyl methacrylate	41	8.115	8.115	(1.105)	487672	200.000	217.8
52 1,4-Dioxane	88	8.127	8.127	(1.107)	867692	40000.0	39870
56 2-Chloroethyl vinyl ether	63	8.589	8.589	(1.170)	595923	400.000	437.1
179 Ethyl methacrylate	69	9.386	9.386	(0.899)	501835	200.000	217.5
159 trans-1,4-Dichloro-2-butene	53	11.807	11.807	(0.925)	104795	200.000	208.2

QC Flag Legend

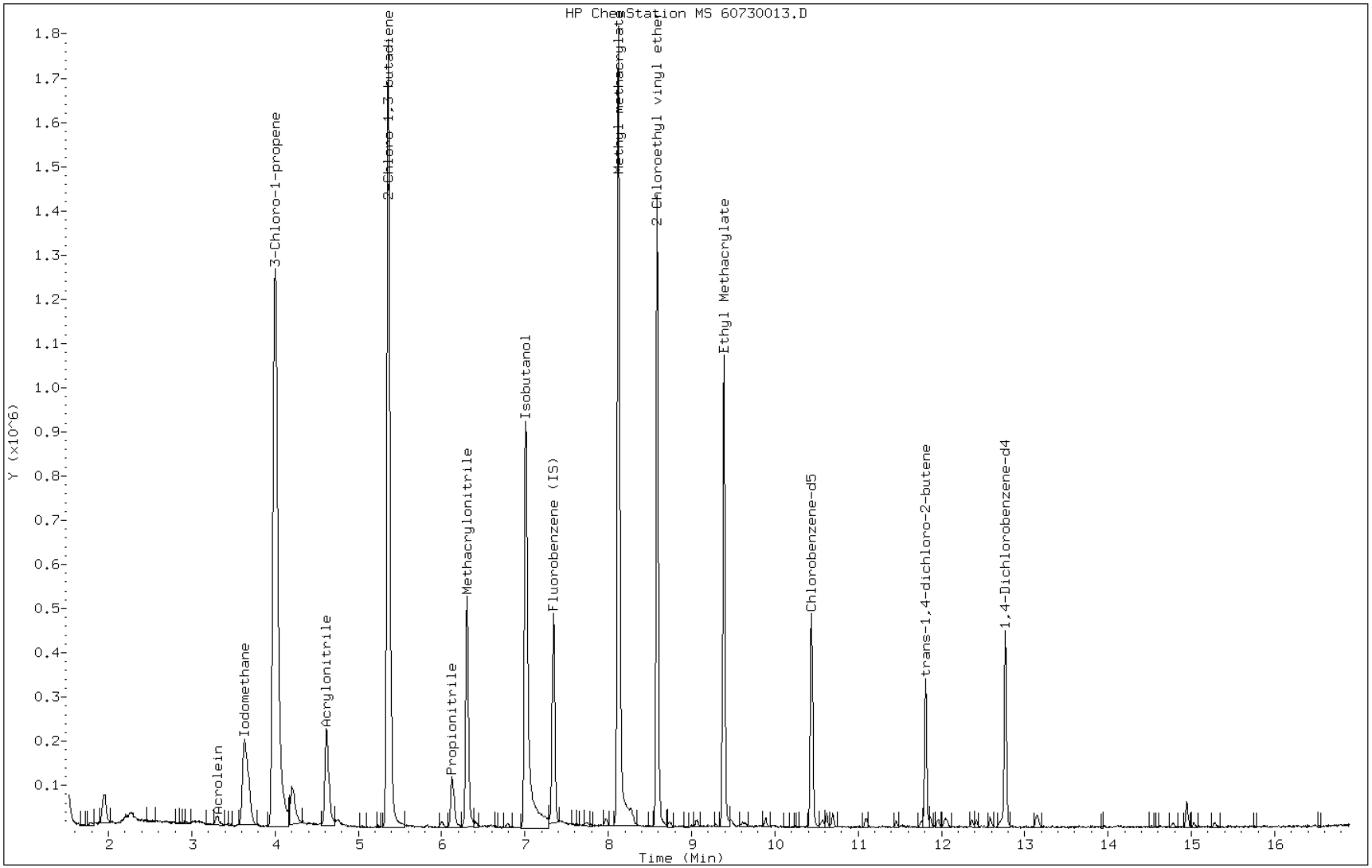
Q - Qualifier signal failed the ratio test.

Data File: 60730013.D

Date: 30-JUL-2012 09:20

Client ID: Instrument: hp6.i

Sample Info: IC, 40 APPIX Operator: 430936



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCVIS 180-46427/2 Calibration Date: 08/27/2012 10:13

Instrument ID: HP6 Calib Start Date: 07/23/2012 18:11

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/23/2012 20:36

Lab File ID: 60827003.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	0.2973	0.2823		9.49	10.0	-5.1	50.0
Chloromethane	Ave	0.4397	0.4313	0.1000	9.81	10.0	-1.9	
Vinyl chloride	Ave	0.3353	0.3228		9.63	10.0	-3.7	20.0
Bromomethane	Ave	0.1268	0.0860		6.78	10.0	-32.2	
Chloroethane	Ave	0.1917	0.1472		7.68	10.0	-23.2	50.0
Trichlorofluoromethane	Ave	0.3314	0.3271		9.87	10.0	-1.3	50.0
1,1-Dichloroethene	Ave	0.2326	0.2293		9.86	10.0	-1.4	20.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.2444	0.2469		10.1	10.0	1.0	50.0
Acetone	Ave	0.1119	0.1065		19.0	20.0	-4.8	50.0
Carbon disulfide	Ave	0.5125	0.5263		10.3	10.0	2.7	50.0
Methyl acetate	Ave	0.2569	0.2529		9.85	10.0	-1.5	50.0
Methylene Chloride	Ave	0.3136	0.3256		10.4	10.0	3.8	50.0
trans-1,2-Dichloroethene	Ave	0.2623	0.2540		9.68	10.0	-3.2	50.0
Methyl tert-butyl ether	Ave	0.6934	0.6018		8.68	10.0	-13.2	50.0
1,1-Dichloroethane	Ave	0.5588	0.5590	0.1000	10.0	10.0	0.0	50.0
2,2-Dichloropropane	Ave	0.2261	0.2339		10.3	10.0	3.4	50.0
cis-1,2-Dichloroethene	Ave	0.3016	0.2603		8.63	10.0	-13.7	50.0
2-Butanone (MEK)	Ave	0.1398	0.1428		20.4	20.0	2.2	50.0
Bromochloromethane	Ave	0.1203	0.1175		9.76	10.0	-2.4	50.0
Chloroform	Ave	0.4725	0.4738		10.0	10.0	0.3	20.0
1,1,1-Trichloroethane	Ave	0.3754	0.3831		10.2	10.0	2.0	25.0
Cyclohexane	Ave	0.6215	0.6373		10.3	10.0	2.5	50.0
Carbon tetrachloride	Ave	0.2775	0.3262		11.8	10.0	17.6	25.0
1,1-Dichloropropene	Ave	0.3784	0.3887		10.3	10.0	2.7	50.0
Benzene	Ave	1.092	1.107		10.1	10.0	1.3	25.0
1,2-Dichloroethane	Ave	0.4530	0.4304		9.50	10.0	-5.0	25.0
Trichloroethene	Ave	0.2636	0.2697		10.2	10.0	2.3	25.0
Methylcyclohexane	Ave	0.4466	0.4522		10.1	10.0	1.3	50.0
1,2-Dichloropropane	Ave	0.2745	0.3038		11.1	10.0	10.7	20.0
Dibromomethane	Ave	0.1397	0.1349		9.66	10.0	-3.4	50.0
Bromodichloromethane	Ave	0.2686	0.3013		11.2	10.0	12.2	25.0
cis-1,3-Dichloropropene	Ave	0.2742	0.3050		11.1	10.0	11.2	25.0
4-Methyl-2-pentanone (MIBK)	Ave	1.303	1.371		21.0	20.0	5.2	50.0
Toluene	Ave	5.131	5.617		10.9	10.0	9.5	20.0
trans-1,3-Dichloropropene	Ave	1.147	1.384		12.1	10.0	20.6	25.0
1,1,2-Trichloroethane	Ave	0.8968	0.9619		10.7	10.0	7.3	25.0
Tetrachloroethene	Ave	0.9478	1.137		12.0	10.0	20.0	25.0
1,3-Dichloropropane	Ave	1.643	1.824		11.1	10.0	11.0	50.0
2-Hexanone	Ave	0.8983	0.9207		20.5	20.0	2.5	50.0
Dibromochloromethane	Ave	0.6541	0.8826		13.5	10.0	34.9*	25.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCVIS 180-46427/2 Calibration Date: 08/27/2012 10:13

Instrument ID: HP6 Calib Start Date: 07/23/2012 18:11

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/23/2012 20:36

Lab File ID: 60827003.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromoethane (EDB)	Ave	0.8202	0.9327		11.4	10.0	13.7	50.0
3-Chlorobenzotrifluoride	Ave	1.947	2.323		11.9	10.0	19.3	50.0
Chlorobenzene	Ave	3.108	3.353	0.3000	10.8	10.0	7.9	
4-Chlorobenzotrifluoride	Ave	1.764	2.193		12.4	10.0	24.4	50.0
1,1,1,2-Tetrachloroethane	Ave	0.8966	1.009		11.3	10.0	12.5	50.0
Ethylbenzene	Ave	1.711	1.987		11.6	10.0	16.1	20.0
m-Xylene & p-Xylene	Ave	2.141	2.440		22.8	20.0	14.0	25.0
o-Xylene	Ave	2.092	2.292		11.0	10.0	9.6	25.0
Styrene	Ave	3.176	3.589		11.3	10.0	13.0	25.0
Bromoform	Ave	0.3497	0.5271	0.1000	15.1	10.0	50.7	
2-Chlorobenzotrifluoride	Ave	1.859	2.163		11.6	10.0	16.3	50.0
Isopropylbenzene	Ave	5.583	6.019		10.8	10.0	7.8	50.0
1,1,2,2-Tetrachloroethane	Ave	0.7487	0.8750	0.3000	11.7	10.0	16.9	
Bromobenzene	Ave	0.7544	0.8529		11.3	10.0	13.0	50.0
1,2,3-Trichloropropane	Ave	0.2718	0.2983		11.0	10.0	9.7	50.0
N-Propylbenzene	Ave	0.9441	1.031		10.9	10.0	9.2	50.0
2-Chlorotoluene	Ave	0.8099	0.8412		10.4	10.0	3.9	50.0
3-Chlorotoluene	Ave	0.9008	1.048		11.6	10.0	16.4	50.0
1,3,5-Trimethylbenzene	Ave	2.938	3.311		11.3	10.0	12.7	50.0
4-Chlorotoluene	Ave	0.8644	0.9353		10.8	10.0	8.2	50.0
tert-Butylbenzene	Ave	2.475	2.514		10.2	10.0	1.6	50.0
1,2,4-Trimethylbenzene	Ave	2.899	3.094		10.7	10.0	6.7	50.0
3,4-Dichlorobenzotrifluoride	Ave	0.8960	1.064		11.9	10.0	18.7	50.0
sec-Butylbenzene	Ave	3.368	3.624		10.8	10.0	7.6	50.0
1,3-Dichlorobenzene	Ave	1.526	1.552		10.2	10.0	1.7	25.0
4-Isopropyltoluene	Ave	2.889	2.879		9.97	10.0	-0.3	50.0
1,4-Dichlorobenzene	Ave	1.590	1.615		10.2	10.0	1.6	25.0
2,4-Dichlorobenzotrifluoride	Ave	0.7997	0.9073		11.3	10.0	13.5	50.0
2,5-Dichlorobenzotrifluoride	Ave	0.9029	0.9139		10.1	10.0	1.2	50.0
n-Butylbenzene	Ave	2.399	2.310		9.63	10.0	-3.7	50.0
1,2-Dichlorobenzene	Ave	1.436	1.405		9.78	10.0	-2.2	25.0
1,2-Dibromo-3-Chloropropane	Ave	0.0949	0.1066		11.2	10.0	12.3	50.0
2,4- & 2,5- & 2,6-Dichlorotoluene	Ave	1.093	1.045		28.7	30.0	-4.4	
1,3,5-Trichlorobenzene	Ave	0.8487	0.8993		10.6	10.0	6.0	50.0
2,3- & 3,4- Dichlorotoluene	Ave	1.096	1.010		18.4	20.0	-7.8	
1,2,4-Trichlorobenzene	Ave	0.7332	0.6763		9.22	10.0	-7.8	50.0
Hexachlorobutadiene	Ave	0.3245	0.3059		9.43	10.0	-5.7	50.0
Naphthalene	Ave	1.786	1.408		7.88	10.0	-21.2	50.0
1,2,3-Trichlorobenzene	Ave	0.5978	0.4830		8.08	10.0	-19.2	50.0
2,4,5-Trichlorotoluene	Ave	0.2800	0.2329		8.32	10.0	-16.8	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCVIS 180-46427/2 Calibration Date: 08/27/2012 10:13

Instrument ID: HP6 Calib Start Date: 07/23/2012 18:11

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/23/2012 20:36

Lab File ID: 60827003.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,3,6-Trichlorotoluene	Ave	0.2476	0.1888		7.62	10.0	-23.8	50.0
Dibromofluoromethane (Surr)	Ave	0.2128	0.2140		10.1	10.0	0.6	
1,2-Dichloroethane-d4 (Surr)	Ave	0.3389	0.3171		9.36	10.0	-6.4	
Toluene-d8 (Surr)	Ave	4.211	4.581		10.9	10.0	8.8	
4-Bromofluorobenzene (Surr)	Ave	1.667	1.591		9.55	10.0	-4.5	25.0

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6082712d.b\60827003.D
Lab Smp Id: CCVIS Client Smp ID: CCVIS 10
Inj Date : 27-AUG-2012 10:13
Operator : 001562 Inst ID: hp6.i
Smp Info : CCVIS
Misc Info : T6082712d.b,T8260bllw.m,1-dwh2o.sub
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6082712d.b\T8260bllw.m
Meth Date : 27-Aug-2012 11:05 hp6.i Quant Type: ISTD
Cal Date : 30-JUL-2012 07:43 Cal File: 60730009.D
Als bottle: 53 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-dwh2o.sub
Target Version: 4.14
Processing Host: PITPC-002

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 46 Fluorobenzene (IS)	96	7.342	7.342	(1.000)	405957	50.0000	
* 69 Chlorobenzene-d5	119	10.439	10.439	(1.000)	81817	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.769	12.769	(1.000)	117187	50.0000	
$ 39 Dibromofluoromethane (Surr)	113	6.594	6.594	(0.898)	86878	50.0000	50.29
$ 43 1,2-Dichloroethane-d4	65	6.965	6.965	(0.949)	128733	50.0000	46.78
$ 59 Toluene-d8	98	8.997	8.997	(0.862)	374806	50.0000	54.39
$ 80 Bromofluorobenzene (Surr)	95	11.607	11.607	(1.112)	130181	50.0000	47.73
1 Dichlorodifluoromethane	85	1.624	1.624	(0.221)	114580	50.0000	47.46
2 Chloromethane	50	1.782	1.782	(0.243)	175098	50.0000	49.05
3 Vinyl Chloride	62	1.910	1.910	(0.260)	131045	50.0000	48.13
4 Bromomethane	94	2.287	2.287	(0.312)	34913	50.0000	33.91(M)
5 Chloroethane	64	2.427	2.427	(0.331)	59773	50.0000	38.41(M)
6 Trichlorofluoromethane	101	2.749	2.749	(0.374)	132770	50.0000	49.34
10 1,1,2-trichloro-1,2,2-trifluor	101	3.479	3.479	(0.474)	100211	50.0000	50.50
12 1,1-Dichloroethene	96	3.431	3.431	(0.467)	93080	50.0000	49.29
15 Carbon Disulfide	76	3.723	3.723	(0.507)	213644	50.0000	51.34
13 Acetone	43	3.546	3.546	(0.483)	86499	100.000	95.17
18 Methylene Chloride	84	4.209	4.209	(0.573)	132192	50.0000	51.91
19 trans-1,2-Dichloroethene	96	4.629	4.629	(0.630)	103092	50.0000	48.40
20 Methyl tert-butyl ether	73	4.660	4.660	(0.635)	244287	50.0000	43.39
24 1,1-Dichloroethane	63	5.244	5.244	(0.714)	226924	50.0000	50.02
27 2,2-Dichloropropane	77	5.992	5.992	(0.816)	94945	50.0000	51.72
28 cis-1,2-dichloroethene	96	6.004	6.004	(0.818)	105656	50.0000	43.15
M 29 1,2-Dichloroethene (total)	96				208748	100.000	91.55
30 Bromochloromethane	128	6.296	6.296	(0.858)	47680	50.0000	48.82
31 2-Butanone	43	6.053	6.053	(0.824)	115957	100.000	102.2
37 Chloroform	83	6.412	6.412	(0.873)	192342	50.0000	50.14
38 1,1,1-Trichloroethane	97	6.600	6.600	(0.899)	155515	50.0000	51.02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
40 1,1-Dichloropropene	75	6.795	6.795	(0.925)	157781	50.0000	51.36
41 Carbon Tetrachloride	117	6.789	6.789	(0.925)	132405	50.0000	58.78
42 Benzene	78	7.026	7.026	(0.957)	449232	50.0000	50.67
45 1,2-Dichloroethane	62	7.056	7.056	(0.961)	174722	50.0000	47.51
47 Trichloroethene	130	7.738	7.738	(1.054)	109485	50.0000	51.16
49 1,2-Dichloropropane	63	7.975	7.975	(1.086)	123324	50.0000	55.34
50 Dibromomethane	93	8.097	8.097	(1.103)	54767	50.0000	48.28
53 Bromodichloromethane	83	8.267	8.267	(1.126)	122322	50.0000	56.08
57 cis-1,3-Dichloropropene	75	8.729	8.729	(1.189)	123797	50.0000	55.62
58 4-Methyl-2-Pentanone	43	8.894	8.894	(0.852)	224305	100.000	105.2
60 Toluene	91	9.064	9.064	(0.868)	459596	50.0000	54.74
61 trans-1,3-Dichloropropene	75	9.289	9.289	(0.890)	113231	50.0000	60.31
63 1,3-Dichloropropane	76	9.642	9.642	(0.924)	149218	50.0000	55.51
64 1,1,2-Trichloroethane	97	9.472	9.472	(0.907)	78696	50.0000	53.63
65 Tetrachloroethene	164	9.612	9.612	(0.921)	93037	50.0000	59.98
66 2-Hexanone	43	9.727	9.727	(0.932)	150664	100.000	102.5
67 Dibromochloromethane	129	9.867	9.867	(0.945)	72212	50.0000	67.47
68 1,2-Dibromoethane	107	9.977	9.977	(0.956)	76309	50.0000	56.85
70 Chlorobenzene	112	10.469	10.469	(1.003)	274298	50.0000	53.94
71 1,1,1,2-Tetrachloroethane	131	10.548	10.548	(1.010)	82557	50.0000	56.27
72 Ethylbenzene	106	10.579	10.579	(1.013)	162553	50.0000	58.04
73 m + p-Xylene	106	10.694	10.694	(1.024)	399278	100.000	114.0
74 Xylene-o	106	11.090	11.090	(1.062)	187557	50.0000	54.79
M 75 Xylenes (total)	106				586835	150.000	168.8
76 Styrene	104	11.102	11.102	(1.064)	293602	50.0000	56.50
77 Bromoform	173	11.291	11.291	(1.082)	43126	50.0000	75.36
78 Isopropylbenzene	105	11.455	11.455	(1.097)	492489	50.0000	53.91
79 Bromobenzene	156	11.759	11.759	(0.921)	99945	50.0000	56.52
81 n-Propylbenzene	120	11.862	11.862	(0.929)	120851	50.0000	54.62
82 2-Chlorotoluene	126	11.954	11.954	(0.936)	98580	50.0000	51.93
83 1,1,2,2-Tetrachloroethane	83	11.753	11.753	(0.920)	102534	50.0000	58.43
84 1,2,3-Trichloropropane	110	11.802	11.802	(0.924)	34951	50.0000	54.87
85 4-Chlorotoluene	126	12.063	12.063	(0.945)	109604	50.0000	54.10
86 1,3,5-Trimethylbenzene	105	12.039	12.039	(0.943)	388006	50.0000	56.36
87 tert-Butylbenzene	119	12.367	12.367	(0.969)	294661	50.0000	50.79
88 1,2,4-Trimethylbenzene	105	12.416	12.416	(0.972)	362545	50.0000	53.36
89 sec-Butylbenzene	105	12.586	12.586	(0.986)	424709	50.0000	53.81
90 4-Isopropyltoluene	119	12.726	12.726	(0.997)	337424	50.0000	49.84
91 1,3-Dichlorobenzene	146	12.702	12.702	(0.995)	181905	50.0000	50.86
93 1,4-Dichlorobenzene	146	12.787	12.787	(1.001)	189280	50.0000	50.78
94 n-Butylbenzene	91	13.140	13.140	(1.029)	270675	50.0000	48.15
95 1,2-Dichlorobenzene	146	13.164	13.164	(1.031)	164648	50.0000	48.92
96 1,2-Dibromo-3-chloropropane	157	13.949	13.949	(1.092)	12486	50.0000	56.13
97 1,2,4-Trichlorobenzene	180	14.776	14.776	(1.157)	79254	50.0000	46.12
98 Hexachlorobutadiene	225	14.947	14.947	(1.171)	35852	50.0000	47.13
99 Naphthalene	128	15.032	15.032	(1.177)	164983	50.0000	39.40
100 1,2,3-Trichlorobenzene	180	15.275	15.275	(1.196)	56595	50.0000	40.39
156 Methyl Acetate	43	4.088	4.088	(0.557)	102676	50.0000	49.23
157 Cyclohexane	56	6.661	6.661	(0.907)	258729	50.0000	51.27
158 Methyl Cyclohexane	83	7.932	7.932	(1.080)	183568	50.0000	50.63
160 1,3,5-Trichlorobenzene	180	14.156	14.156	(1.109)	105384	50.0000	52.98
168 3-Chlorobenzotrifluoride	180	10.445	10.445	(1.001)	190066	50.0000	59.67
169 4-Chlorobenzotrifluoride	180	10.500	10.500	(1.006)	179442	50.0000	62.18
170 2-Chlorobenzotrifluoride	180	11.345	11.345	(1.087)	176935	50.0000	58.17

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
171 3-Chlorotoluene	126	12.015	12.015	(0.941)	122848	50.0000	58.19
172 3,4-Dichlorobenzotrifluoride	214	12.477	12.477	(0.977)	124685	50.0000	59.37
173 2,4-Dichlorobenzotrifluoride	214	12.836	12.836	(1.005)	106325	50.0000	56.72
174 2,5-Dichlorobenzotrifluoride	214	12.891	12.891	(1.010)	107094	50.0000	50.61
175 Dichlorotoluene(2,4/2,5/2,6)	125	14.089	14.089	(1.103)	367349	150.000	143.3
176 Dichlorotoluene(2,3/3,4)	125	14.509	14.509	(1.136)	236805	100.000	92.20
177 2,4,5-Trichlorotoluene	159	16.157	16.157	(1.265)	27291	50.0000	41.58
178 2,3,6-Trichlorotoluene	159	16.273	16.273	(1.274)	22119	50.0000	38.12

QC Flag Legend

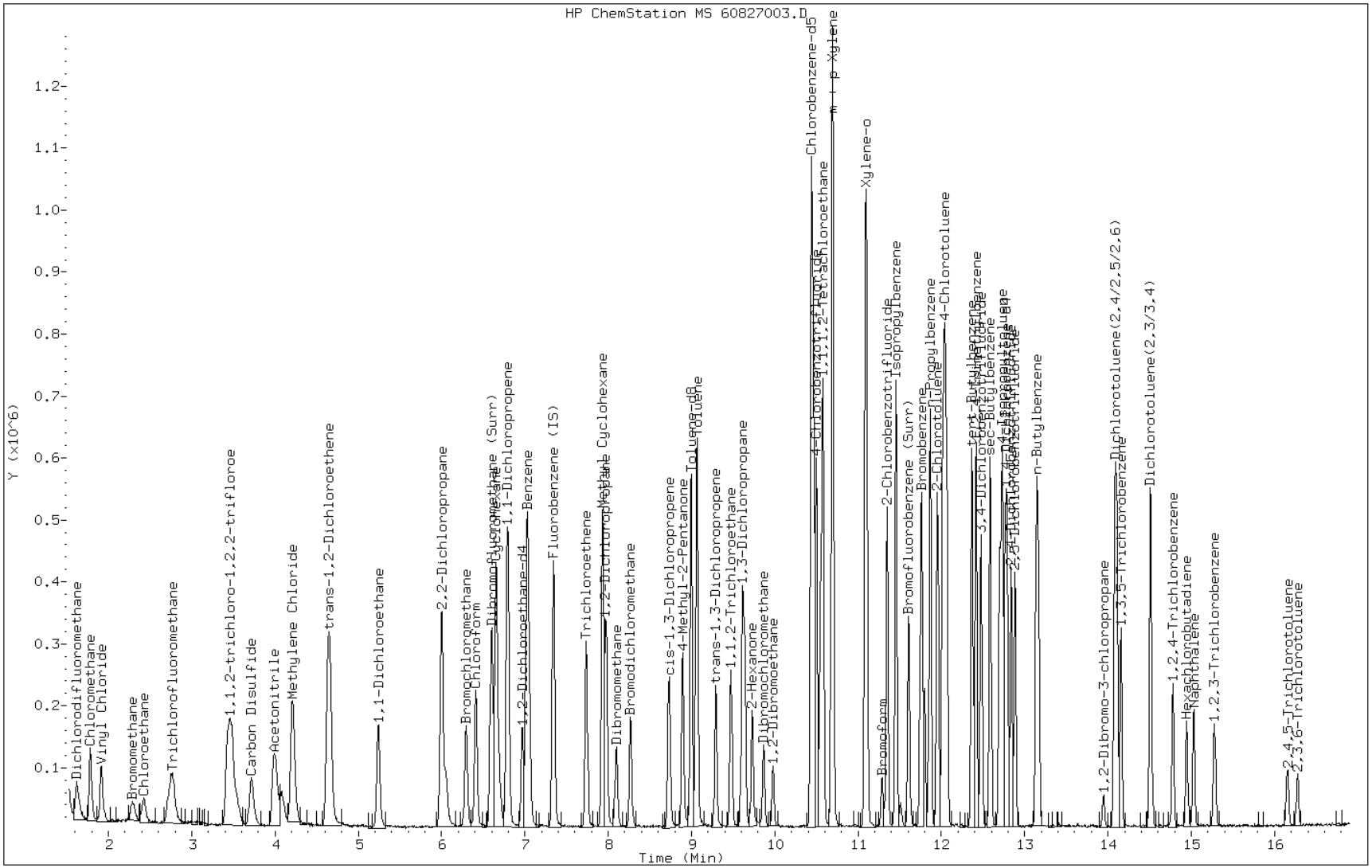
M - Compound response manually integrated.

Data File: 60827003.D

Date: 27-AUG-2012 10:13

Client ID: CCVIS 10 Instrument: hp6.i

Sample Info: CCVIS Operator: 001562



Manual Integration Report

Data File: 60827003.D
Inj. Date and Time: 27-AUG-2012 10:13
Instrument ID: hp6.i
Client ID: CCVIS 10
Compound: 4 Bromomethane
CAS #: 74-83-9
Report Date: 08/27/2012

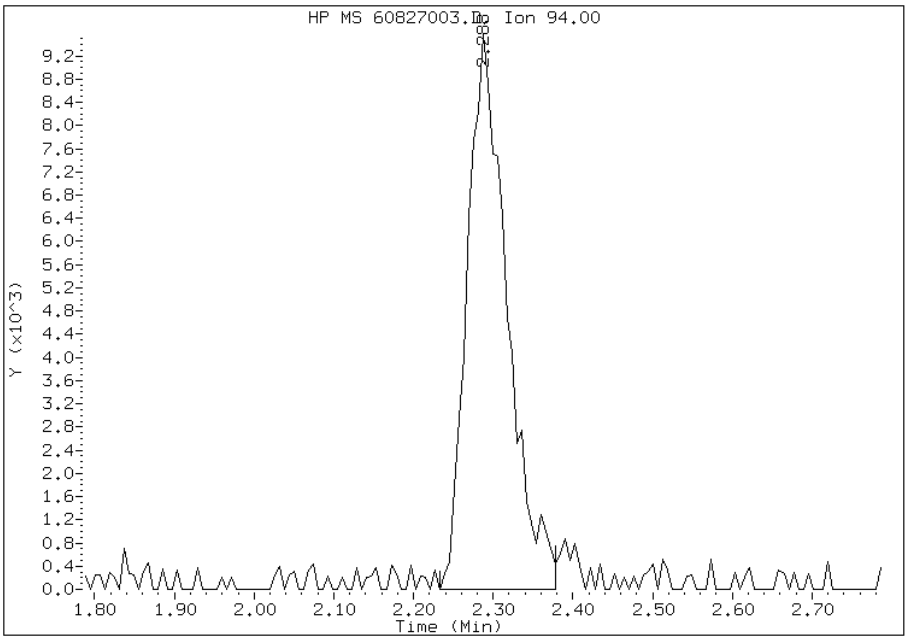
Processing Integration Results

RT: 2.29

Response: 33746

Amount: 33

Conc: 33



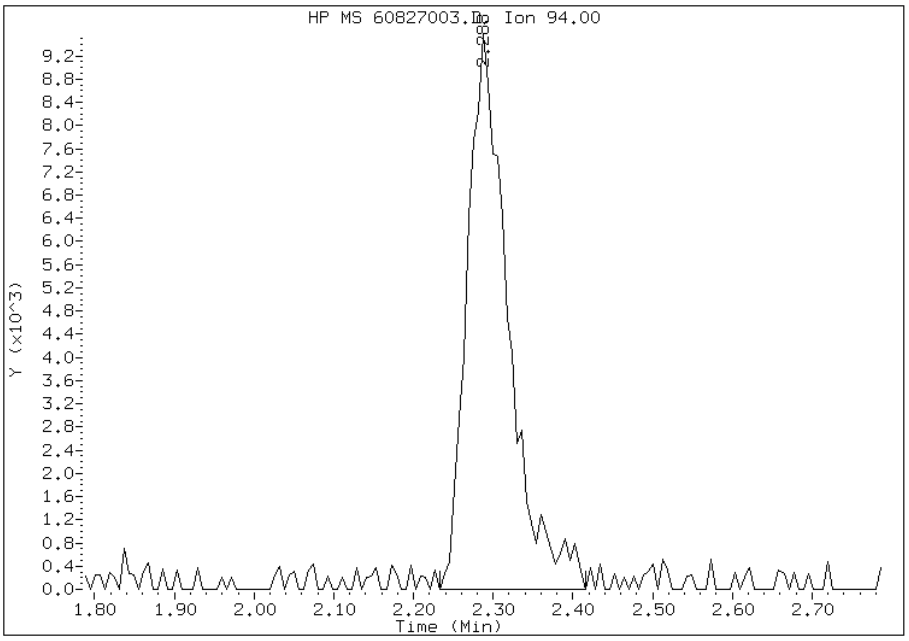
Manual Integration Results

RT: 2.29

Response: 34913

Amount: 34

Conc: 34



Manually Integrated By: fergusond
Modification Date: 27-Aug-2012 10:39
Manual Integration Reason: Peak Integrated Incorrectly

Manual Integration Report

Data File: 60827003.D
Inj. Date and Time: 27-AUG-2012 10:13
Instrument ID: hp6.i
Client ID: CCVIS 10
Compound: 5 Chloroethane
CAS #: 75-00-3
Report Date: 08/27/2012

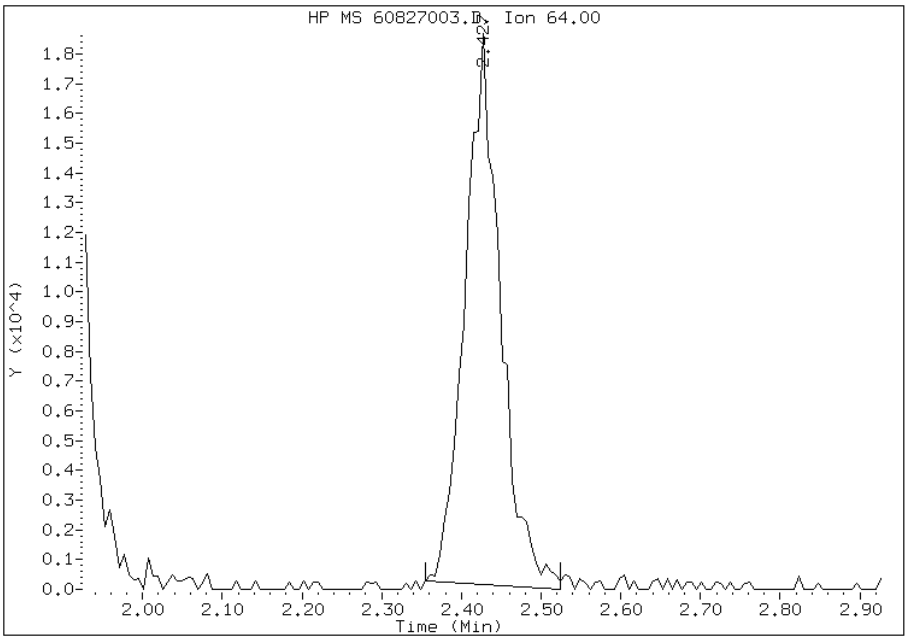
Processing Integration Results

RT: 2.43

Response: 57918

Amount: 37

Conc: 37



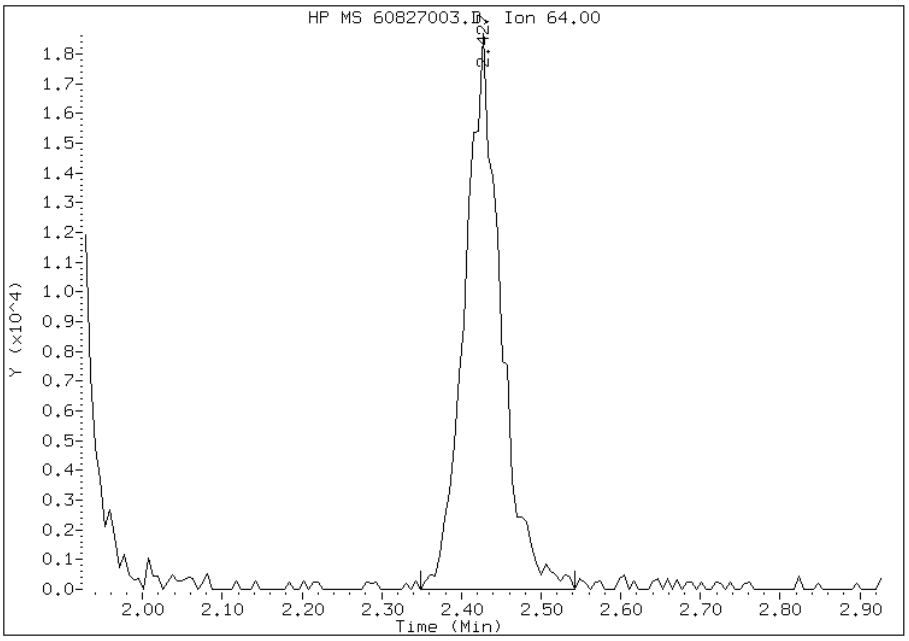
Manual Integration Results

RT: 2.43

Response: 59773

Amount: 38

Conc: 38



Manually Integrated By: fergusond
Modification Date: 27-Aug-2012 10:39
Manual Integration Reason: Peak Integrated Incorrectly

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCV 180-46427/3 Calibration Date: 08/27/2012 10:45

Instrument ID: HP6 Calib Start Date: 07/30/2012 06:55

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/30/2012 09:20

Lab File ID: 60827004.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	0.0151	0.0294		58.6	30.0	95.4*	50.0
Iodomethane	Ave	0.3293	0.3520		10.7	10.0	6.9	50.0
Allyl chloride	Ave	0.1191	0.1349		11.3	10.0	13.3	50.0
Acrylonitrile	Ave	0.1158	0.1296		33.6	30.0	11.9	50.0
Vinyl acetate	Ave	0.6436	0.4772		7.41	10.0	-25.9	50.0
Chloroprene	Ave	0.5609	0.6721		12.0	10.0	19.8	50.0
Propionitrile	Ave	0.0460	0.0464		20.2	20.0	1.0	50.0
Methacrylonitrile	Ave	0.1842	0.1964		10.7	10.0	6.6	50.0
Isobutyl alcohol	Ave	0.0091	0.0083		365	400	-8.6	50.0
Methyl methacrylate	Ave	0.2493	0.2624		10.5	10.0	5.2	50.0
1,4-Dioxane	Ave	0.0024	0.0019		1580	2000	-20.9	50.0
2-Chloroethyl vinyl ether	Ave	0.1509	0.1575		20.9	20.0	4.4	50.0
Ethyl methacrylate	Ave	1.267	1.205		9.51	10.0	-4.9	50.0
trans-1,4-Dichloro-2-butene	Ave	0.2024	0.3242		16.0	10.0	60.2*	50.0

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6082712d.b\60827004.D
Lab Smp Id: CCV Client Smp ID: CCV Appix
Inj Date : 27-AUG-2012 10:45
Operator : 001562 Inst ID: hp6.i
Smp Info : CCV, Appix
Misc Info : T6082712d.b,T8260bllw.m,1-appix.sub
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6082712d.b\T8260bllw.m
Meth Date : 27-Aug-2012 10:43 fergusond Quant Type: ISTD
Cal Date : 30-JUL-2012 07:43 Cal File: 60730009.D
Als bottle: 54 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-appix.sub
Target Version: 4.14
Processing Host: PITSVR06

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 46 Fluorobenzene (IS)	96	7.342	7.342	(1.000)	398938	50.0000	
* 69 Chlorobenzene-d5	119	10.439	10.439	(1.000)	78197	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.763	12.763	(1.000)	94515	50.0000	
11 Acrolein	56	3.303	3.303	(0.450)	35215	150.000	293.1
14 Iodomethane	142	3.632	3.632	(0.495)	140436	50.0000	53.46
22 Acrylonitrile	53	4.611	4.611	(0.628)	155113	150.000	167.9
16 3-Chloro-1-propene	76	4.003	4.003	(0.545)	53829	50.0000	56.66(Q)
26 2-Chloro-1,3-butadiene	53	5.359	5.359	(0.730)	268133	50.0000	59.92
32 Vinyl Acetate	43	5.353	5.353	(0.729)	190376	50.0000	37.07
34 Propionitrile	54	6.126	6.126	(0.834)	37041	100.000	101.0
36 Methacrylonitrile	41	6.308	6.308	(0.859)	78367	50.0000	53.32
44 Isobutanol	41	7.002	7.002	(0.954)	132077	2000.00	1827
51 Methyl methacrylate	41	8.115	8.115	(1.105)	104684	50.0000	52.62
52 1,4-Dioxane	88	8.121	8.121	(1.106)	151428	10000.0	7914(M)
56 2-Chloroethyl vinyl ether	63	8.590	8.590	(1.170)	125676	100.000	104.4
179 Ethyl methacrylate	69	9.386	9.386	(0.899)	94243	50.0000	47.57
159 trans-1,4-Dichloro-2-butene	53	11.808	11.808	(0.925)	30644	50.0000	80.10

QC Flag Legend

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

Data File: 60827004.D

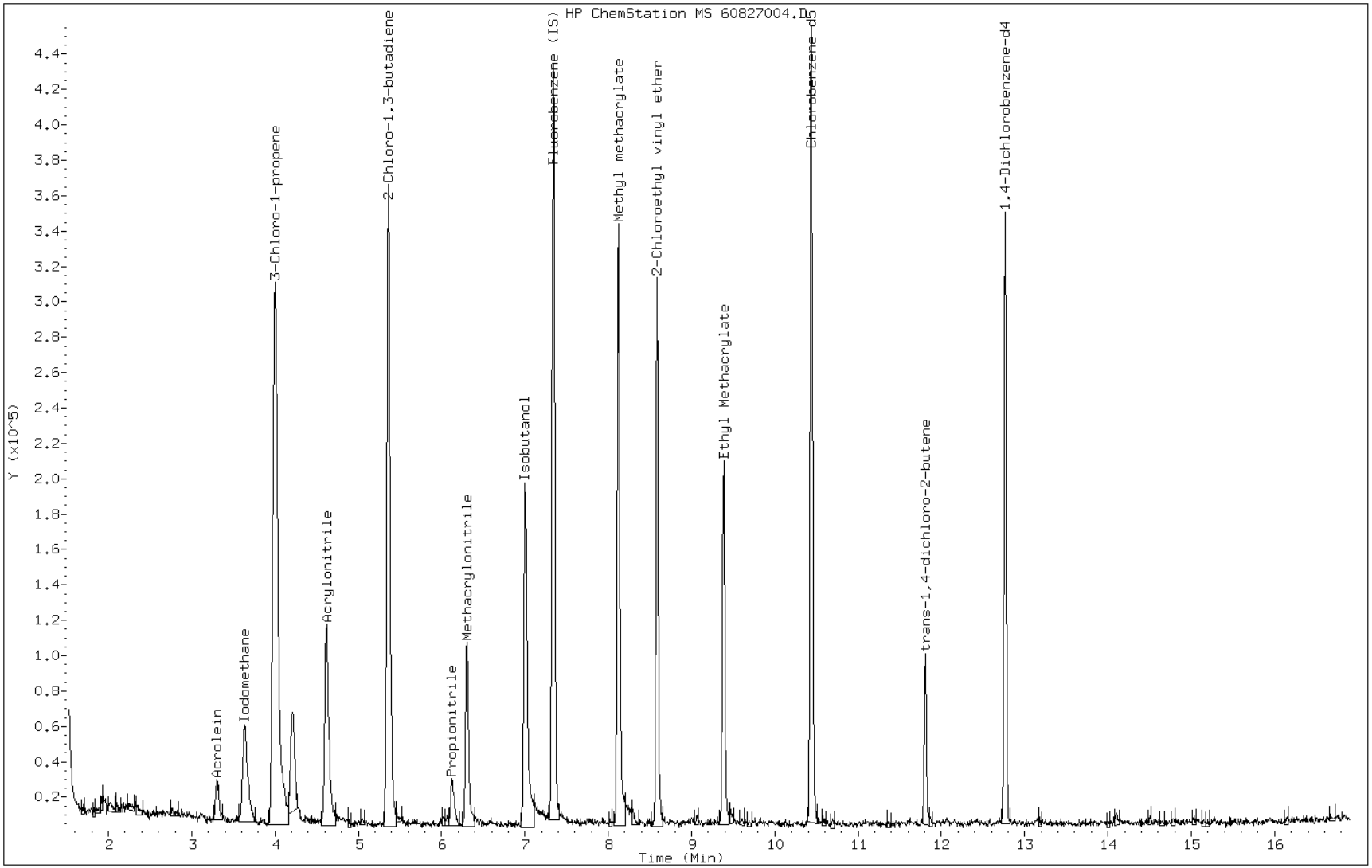
Date: 27-AUG-2012 10:45

Client ID: CCV Appix

Instrument: hp6.i

Sample Info: CCV, Appix

Operator: 001562



Manual Integration Report

Data File: 60827004.D
Inj. Date and Time: 27-AUG-2012 10:45
Instrument ID: hp6.i
Client ID: CCV Appix
Compound: 52 1,4-Dioxane
CAS #: 123-91-1
Report Date: 08/27/2012

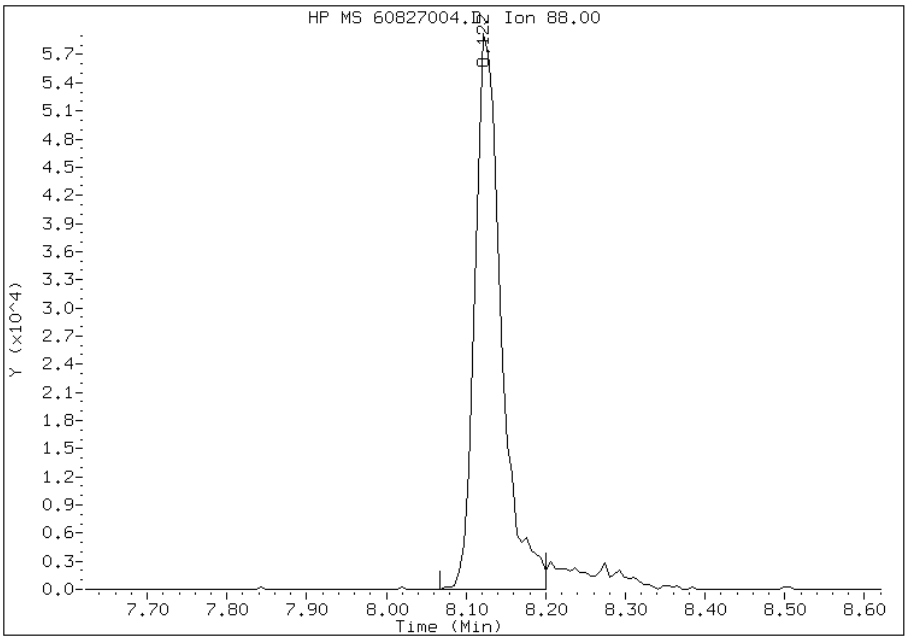
Processing Integration Results

RT: 8.12

Response: 138354

Amount: 7231

Conc: 7231



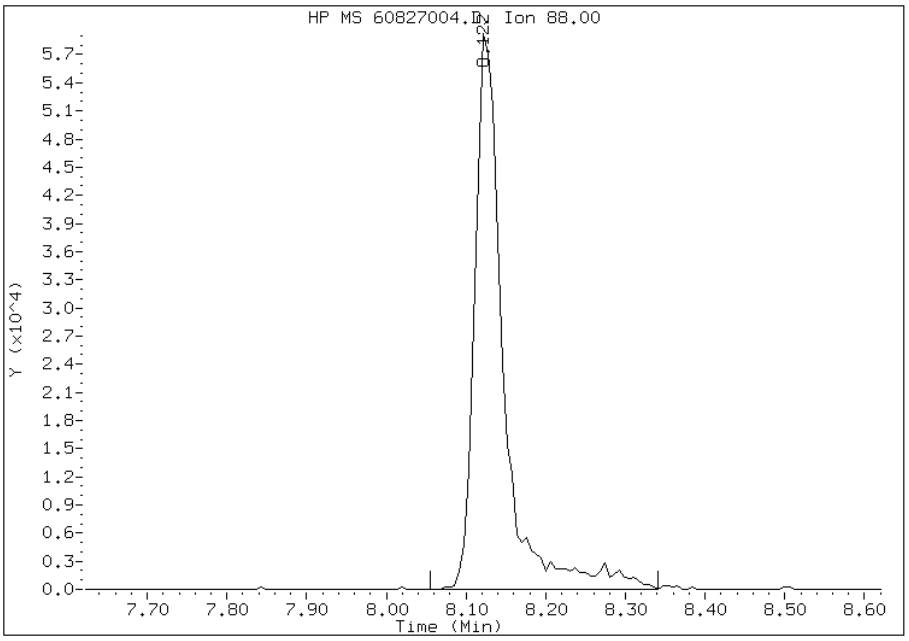
Manual Integration Results

RT: 8.12

Response: 151428

Amount: 7914

Conc: 7914



Manually Integrated By: fergusond
Modification Date: 27-Aug-2012 11:02
Manual Integration Reason: Peak Integrated Incorrectly

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\hp6.i\T6072312LL.b\60723004.D
Lab Smp Id: BFB Client Smp ID: 31019D
Inj Date : 23-JUL-2012 15:46
Operator : 001562 Inst ID: hp6.i
Smp Info : BFB
Misc Info : T6072312f.b,TBFBbllw.m,
Comment :
Method : \\pitsvr06\d\chem\hp6.i\T6072312LL.b\TBFBbllw.m
Meth Date : 02-May-2012 17:11 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 54 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-002

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		
8.404	8.473	-0.069	95	60064			100.00- 100.00	100.00(a)
8.404	8.473	-0.069	50	14214			15.00- 40.00	23.66
8.404	8.473	-0.069	75	29792			30.00- 60.00	49.60
8.404	8.473	-0.069	96	3394			5.00- 9.00	5.65
8.404	8.473	-0.069	173	769			0.00- 2.00	1.93
8.404	8.473	-0.069	174	39904			50.00- 100.00	66.44
8.404	8.473	-0.069	175	3319			5.00- 9.00	8.32
8.404	8.473	-0.069	176	39456			95.00- 101.00	98.88
8.404	8.473	-0.069	177	2503			5.00- 9.00	6.34

QC Flag Legend

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

Data File: 60723004.D

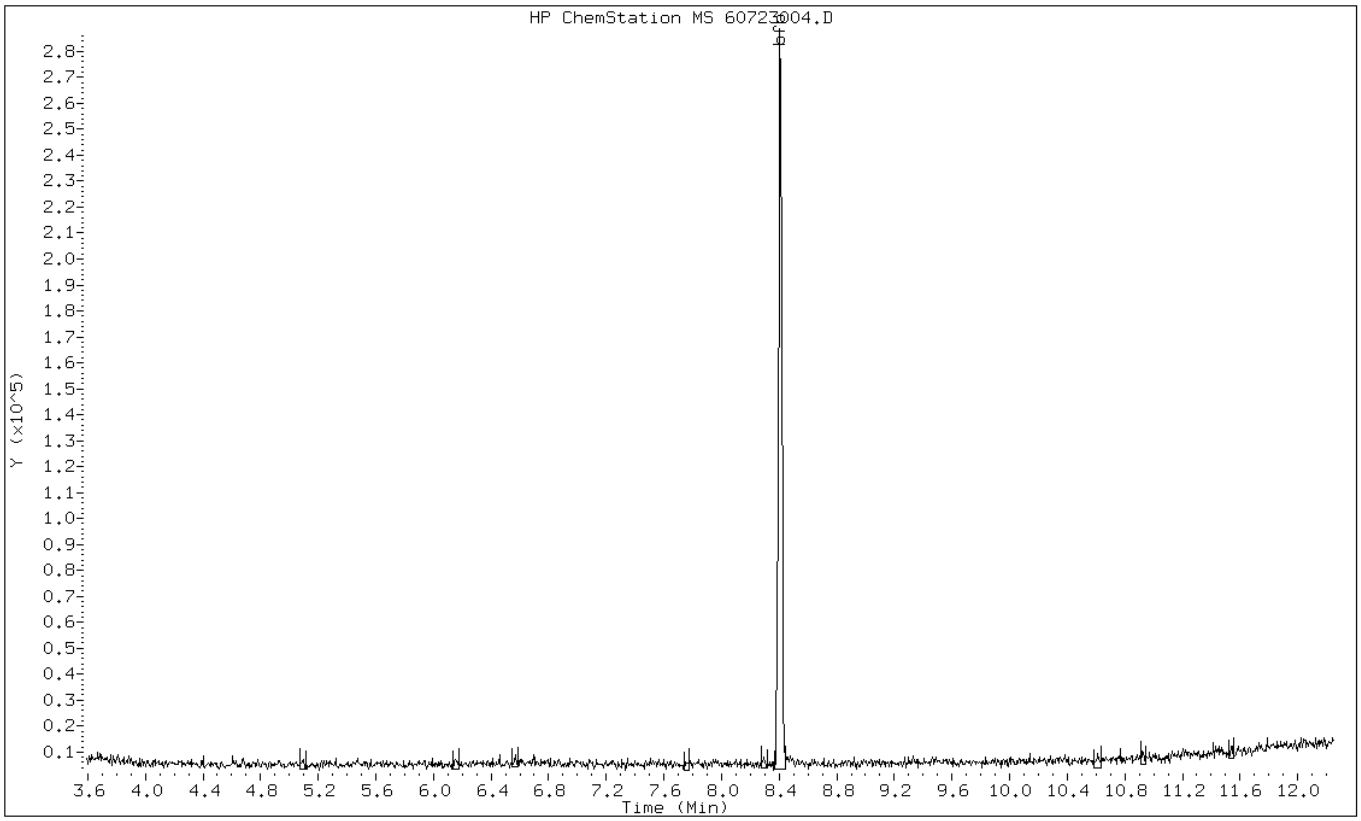
Date: 23-JUL-2012 15:46

Client ID: 31019D

Instrument: hp6.i

Sample Info: BFB

Operator: 001562



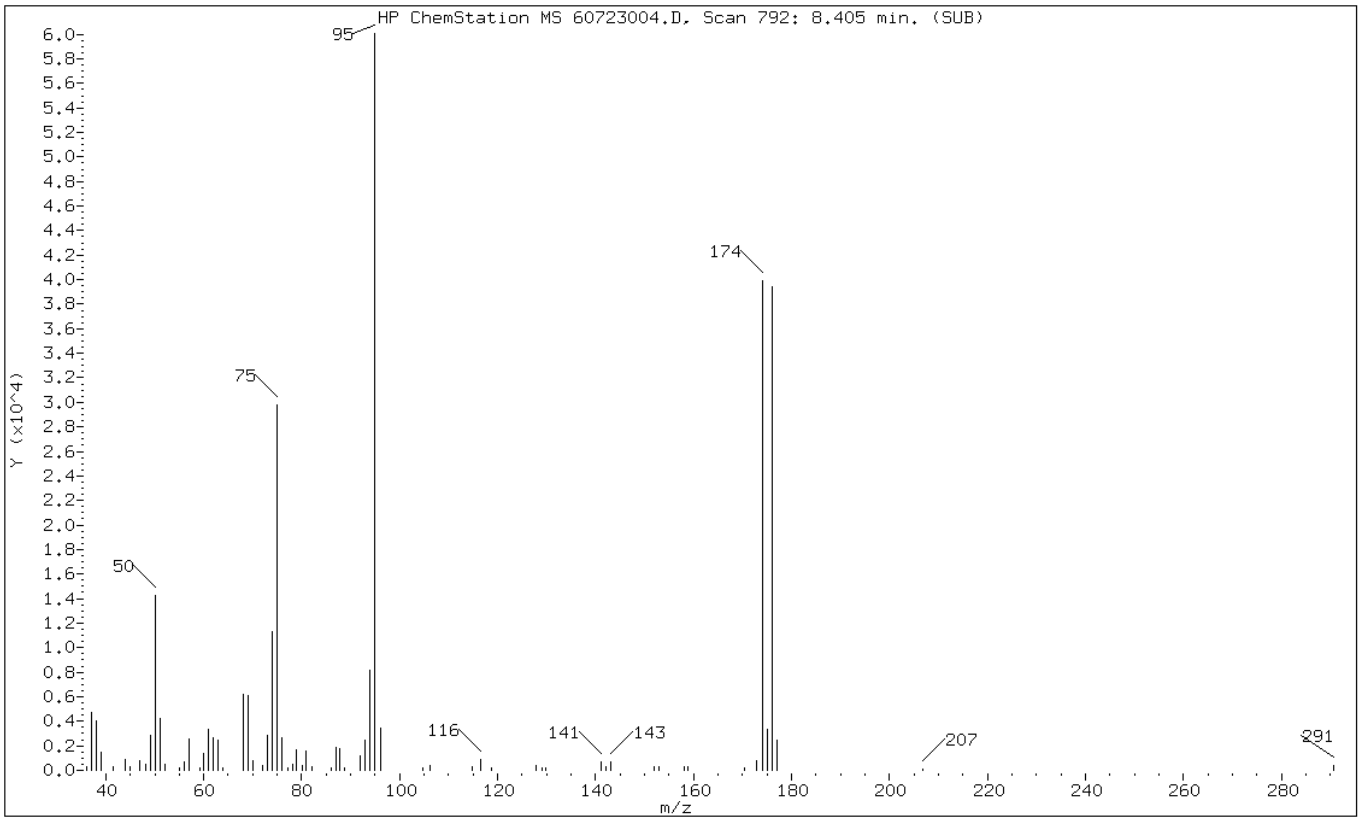
Data File: 60723004.D

Date: 23-JUL-2012 15:46

Client ID: 31019D Instrument: hp6.i

Sample Info: BFB Operator: 001562

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	23.66
75	30.00 - 60.00% of mass 95	49.60
96	5.00 - 9.00% of mass 95	5.65
173	Less than 2.00% of mass 174	1.28 (1.93)
174	50.00 - 100.00% of mass 95	66.44
175	5.00 - 9.00% of mass 174	5.53 (8.32)
176	95.00 - 101.00% of mass 174	65.69 (98.88)
177	5.00 - 9.00% of mass 176	4.17 (6.34)

Data File: 60723004.D

Date: 23-JUL-2012 15:46

Client ID: 31019D Instrument: hp6.i

Sample Info: BFB Operator: 001562

Data File: \\pitsvr06\d\chem\hp6.i\T6072312LL.b\60723004.D
Spectrum: HP ChemStation MS 60723004.D, Scan 792: 8.405 min. (SUB)
Location of Maximum: 95.00
Number of points: 68

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.10	268	61.00	3298	86.00	200	142.10	264
37.00	4708	62.00	2633	87.00	1857	143.00	660
38.10	3984	62.90	2412	87.80	1745	152.00	257
39.10	1455	64.00	224	88.70	212	153.00	330
41.40	265	68.00	6184	91.90	1169	158.10	330
43.90	881	69.00	6110	93.00	2496	158.80	334
44.90	284	70.10	808	94.00	8148	170.30	210
47.00	815	71.90	415	95.00	60064	172.80	769
48.10	530	73.00	2891	96.00	3394	174.00	39904
49.10	2851	74.10	11265	104.70	204	175.00	3319
50.00	14214	75.00	29792	106.10	376	176.00	39456
51.00	4214	76.00	2638	114.70	286	177.00	2503
52.00	460	77.10	215	116.50	891	206.80	78
55.00	210	78.10	488	118.80	242	290.70	405
56.10	697	78.90	1696	127.90	363		
57.00	2552	80.10	442	129.00	244		
59.30	237	80.90	1541	129.90	221		
60.00	1418	82.00	252	141.10	700		

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\hp6.i\T6073012d.b\60730005.D
Lab Smp Id: BFB Client Smp ID: 31019D
Inj Date : 30-JUL-2012 04:07
Operator : 430936 Inst ID: hp6.i
Smp Info : BFB
Misc Info : T6073012d.b,TBFBbllw.m,
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6073012d.b\TBFBbllw.m
Meth Date : 02-May-2012 17:11 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 51 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITSVR06

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
8.411	8.473	-0.062	95	41376			100.00- 100.00	100.00
8.411	8.473	-0.062	50	9793			15.00- 40.00	23.67
8.411	8.473	-0.062	75	22104			30.00- 60.00	53.42
8.411	8.473	-0.062	96	3275			5.00- 9.00	7.92
8.411	8.473	-0.062	173	256			0.00- 2.00	0.85
8.411	8.473	-0.062	174	29976			50.00- 100.00	72.45
8.411	8.473	-0.062	175	2601			5.00- 9.00	8.68
8.411	8.473	-0.062	176	29072			95.00- 101.00	96.98
8.411	8.473	-0.062	177	2114			5.00- 9.00	7.27

Data File: 60730005.D

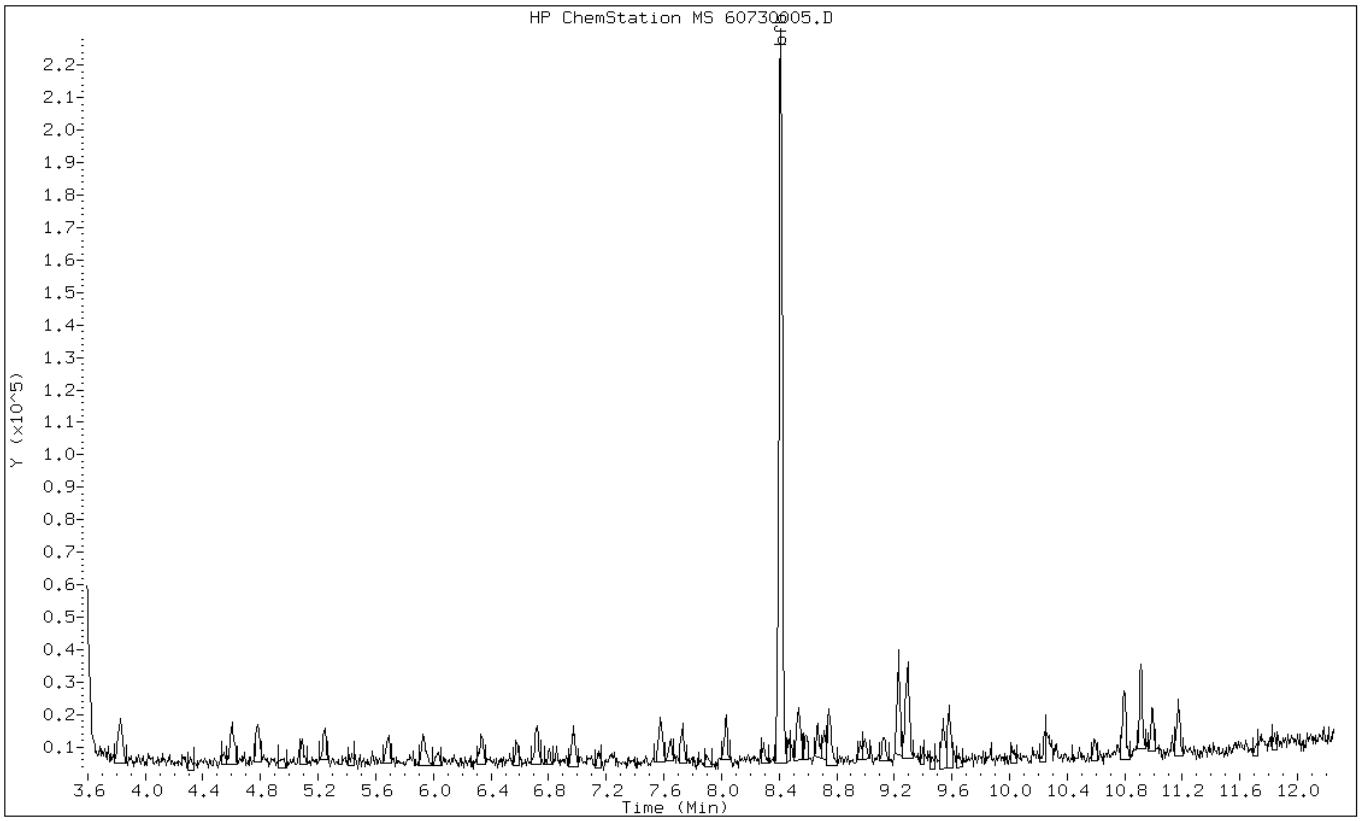
Date: 30-JUL-2012 04:07

Client ID: 31019D

Instrument: hp6.i

Sample Info: BFB

Operator: 430936



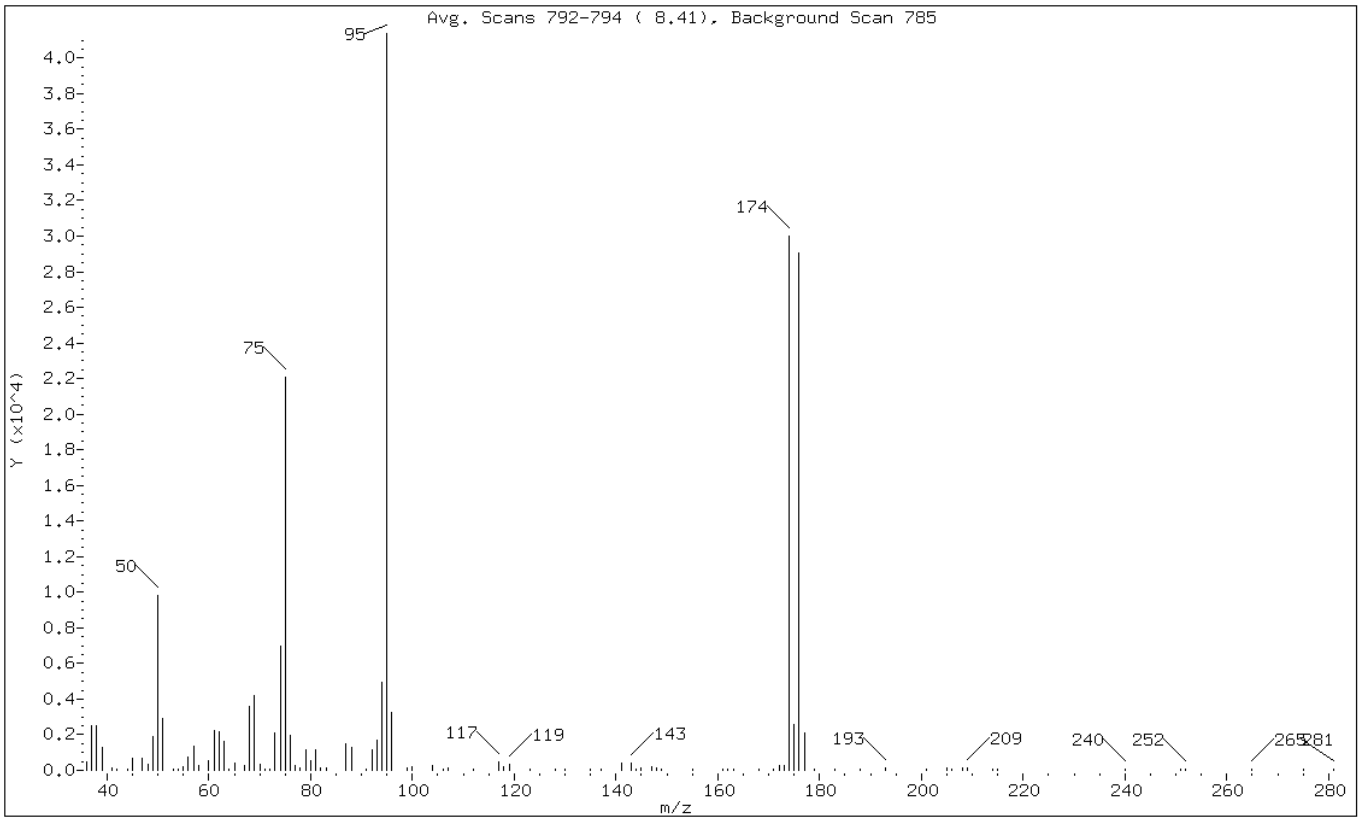
Data File: 60730005.D

Date: 30-JUL-2012 04:07

Client ID: 31019D Instrument: hp6.i

Sample Info: BFB Operator: 430936

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	23.67
75	30.00 - 60.00% of mass 95	53.42
96	5.00 - 9.00% of mass 95	7.92
173	Less than 2.00% of mass 174	0.62 (0.85)
174	50.00 - 100.00% of mass 95	72.45
175	5.00 - 9.00% of mass 174	6.29 (8.68)
176	95.00 - 101.00% of mass 174	70.26 (96.98)
177	5.00 - 9.00% of mass 176	5.11 (7.27)

Data File: 60730005.D

Date: 30-JUL-2012 04:07

Client ID: 31019D Instrument: hp6.i

Sample Info: BFB Operator: 430936

Data File: \\pitsvr06\D\chem\hp6.i\T6073012d.b\60730005.D
Spectrum: Avg. Scans 792-794 (8.41), Background Scan 785
Location of Maximum: 95.00
Number of points: 100

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	466	68.00	3620	104.00	269	173.00	256
37.00	2512	69.00	4177	106.00	69	174.00	29976
38.00	2478	70.00	324	107.00	156	175.00	2601
39.00	1268	71.00	72	112.00	97	176.00	29072
41.00	154	72.00	79	117.00	451	177.00	2114
42.00	95	73.00	2074	118.00	201	179.00	91
44.00	77	74.00	6968	119.00	338	183.00	90
45.00	684	75.00	22104	123.00	70	188.00	69
47.00	644	76.00	1976	128.00	90	193.00	119
48.00	331	77.00	288	130.00	76	201.00	93
49.00	1919	78.00	126	135.00	89	205.00	115
50.00	9793	79.00	1165	137.00	78	206.00	92
51.00	2902	80.00	520	141.00	416	208.00	107
53.00	85	81.00	1174	143.00	429	209.00	149
54.00	75	82.00	142	144.00	84	214.00	81
55.00	170	83.00	151	145.00	154	215.00	80
56.00	752	87.00	1488	147.00	179	240.00	85
57.00	1358	88.00	1276	148.00	149	251.00	71
58.00	247	91.00	77	149.00	79	252.00	85
60.00	543	92.00	1158	155.00	69	265.00	77
61.00	2241	93.00	1675	161.00	97	275.00	67
62.00	2188	94.00	4966	162.00	71	281.00	83
63.00	1629	95.00	41376	163.00	69		
64.00	93	96.00	3275	168.00	79		
65.00	421	99.00	135	171.00	77		
67.00	293	100.00	190	172.00	283		

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\hp6.i\T6082712d.b\60827002.D
Lab Smp Id: BFB Client Smp ID: 31019D
Inj Date : 27-AUG-2012 09:40
Operator : 001562 Inst ID: hp6.i
Smp Info : BFB
Misc Info : T6082712d.b,TBFBbllw.m,
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6082712d.b\TBFBbllw.m
Meth Date : 02-May-2012 17:11 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		
8.411	8.473	-0.062	95	33352			100.00- 100.00	100.00
8.411	8.473	-0.062	50	8239			15.00- 40.00	24.70
8.411	8.473	-0.062	75	16656			30.00- 60.00	49.94
8.411	8.473	-0.062	96	2232			5.00- 9.00	6.69
8.411	8.473	-0.062	173	166			0.00- 2.00	0.63
8.411	8.473	-0.062	174	26320			50.00- 100.00	78.92
8.411	8.473	-0.062	175	1938			5.00- 9.00	7.36
8.411	8.473	-0.062	176	25896			95.00- 101.00	98.39
8.411	8.473	-0.062	177	1429			5.00- 9.00	5.52

Data File: 60827002.D

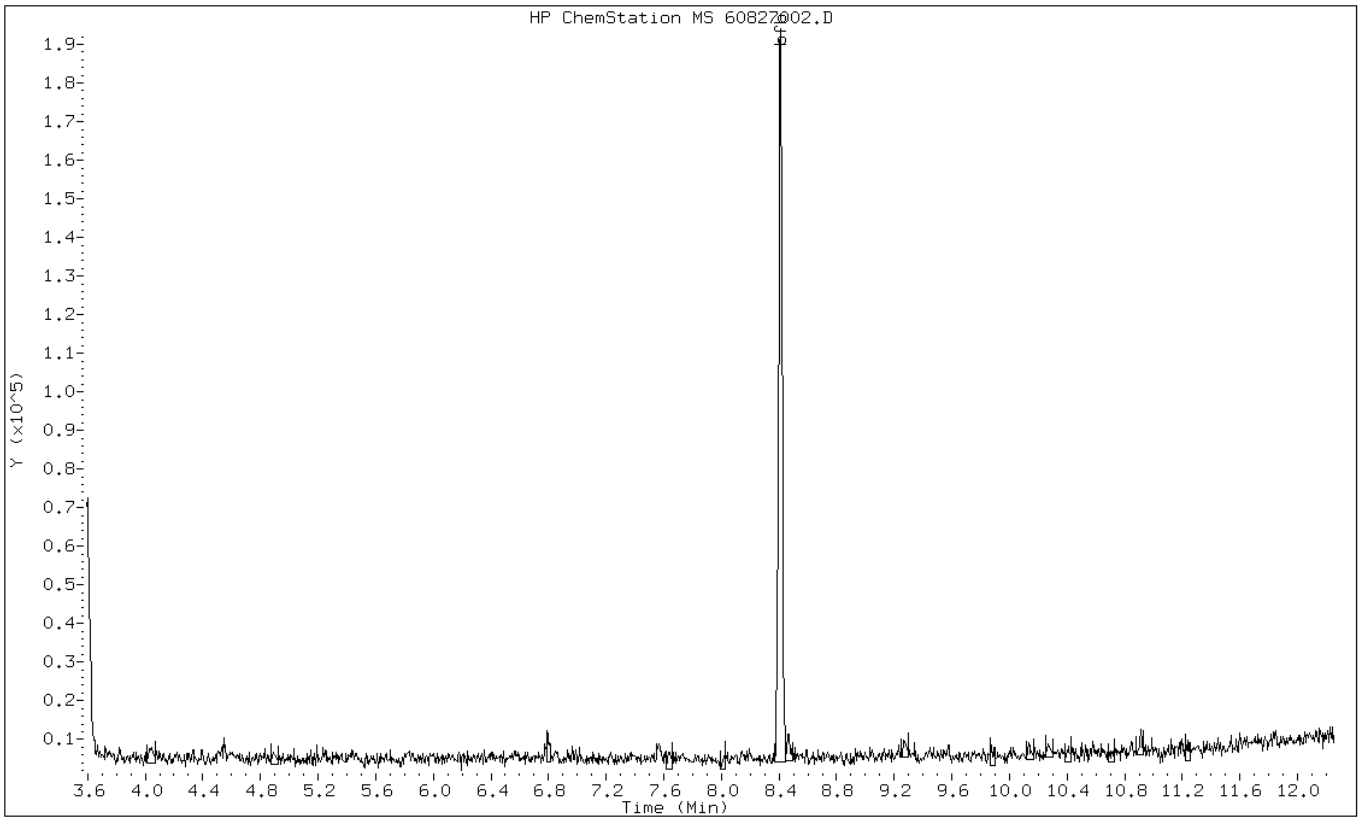
Date: 27-AUG-2012 09:40

Client ID: 31019D

Instrument: hp6.i

Sample Info: BFB

Operator: 001562



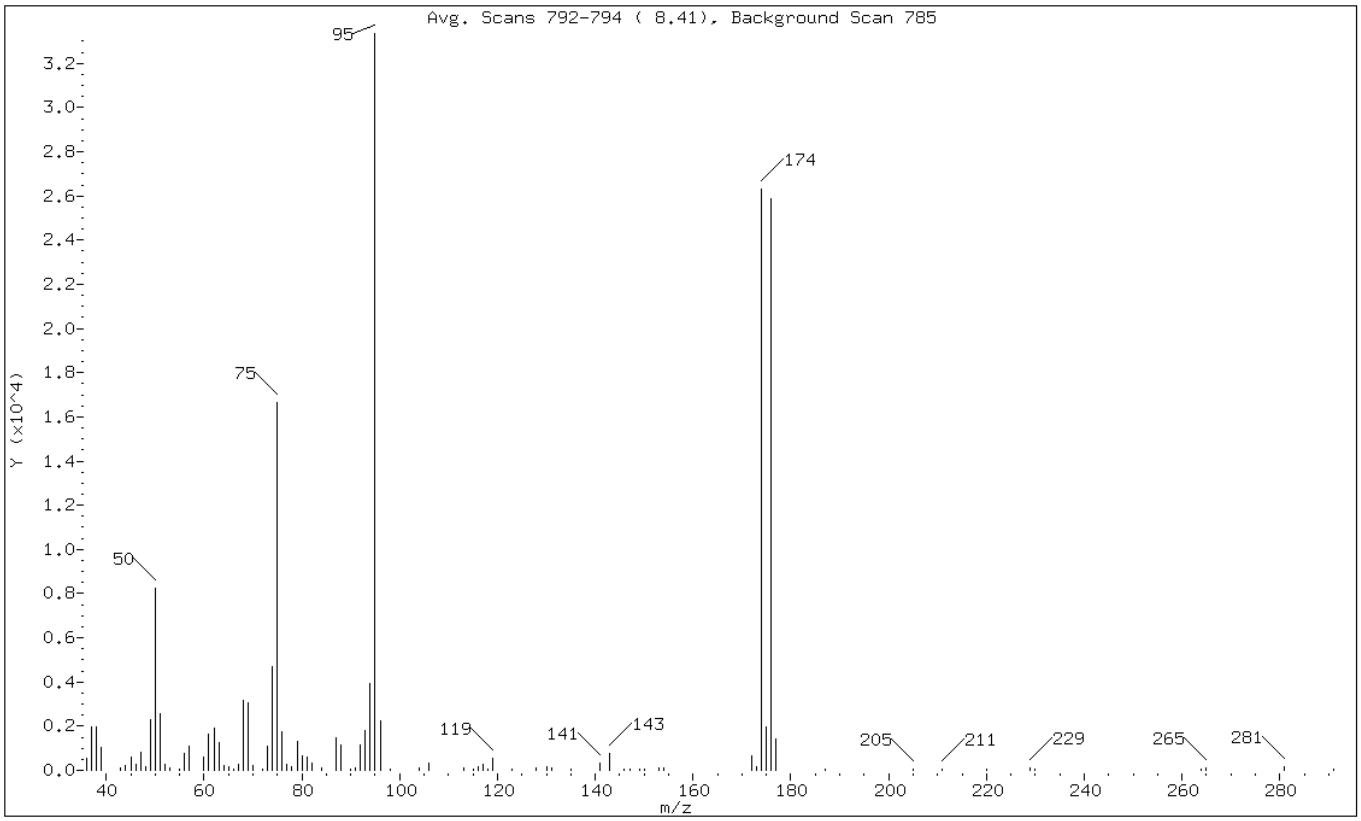
Data File: 60827002.D

Date: 27-AUG-2012 09:40

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	24.70
75	30.00 - 60.00% of mass 95	49.94
96	5.00 - 9.00% of mass 95	6.69
173	Less than 2.00% of mass 174	0.50 (0.63)
174	50.00 - 100.00% of mass 95	78.92
175	5.00 - 9.00% of mass 174	5.81 (7.36)
176	95.00 - 101.00% of mass 174	77.64 (98.39)
177	5.00 - 9.00% of mass 176	4.28 (5.52)

Data File: 60827002.D

Date: 27-AUG-2012 09:40

Client ID: 31019D Instrument: hp6.i

Sample Info: BFB Operator: 001562

Data File: \\pitsvr06\d\chem\hp6.i\T6082712d.b\60827002.D
Spectrum: Avg. Scans 792-794 (8.41), Background Scan 785
Location of Maximum: 95.00
Number of points: 88

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	539	65.00	149	93.00	1812	150.00	76
37.00	1953	66.00	74	94.00	3911	153.00	104
38.00	1972	67.00	248	95.00	33352	154.00	108
39.00	1036	68.00	3182	96.00	2232	172.00	649
43.00	110	69.00	3083	98.00	77	173.00	166
44.00	194	70.00	238	104.00	87	174.00	26320
45.00	618	72.00	69	106.00	338	175.00	1938
46.00	268	73.00	1096	113.00	113	176.00	25896
47.00	825	74.00	4673	115.00	75	177.00	1429
48.00	170	75.00	16656	116.00	140	187.00	74
49.00	2315	76.00	1723	117.00	286	205.00	77
50.00	8239	77.00	274	118.00	68	211.00	79
51.00	2579	78.00	142	119.00	538	220.00	75
52.00	300	79.00	1308	123.00	76	229.00	90
53.00	88	80.00	648	128.00	102	230.00	69
55.00	73	81.00	619	130.00	139	264.00	68
56.00	777	82.00	316	131.00	111	265.00	91
57.00	1094	84.00	108	135.00	73	281.00	155
60.00	604	87.00	1459	141.00	304	291.00	80
61.00	1650	88.00	1163	143.00	761		
62.00	1886	90.00	77	146.00	74		
63.00	1260	91.00	89	147.00	71		
64.00	216	92.00	1124	149.00	70		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-13537-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 180-46427/4

Matrix: Water | Lab File ID: 60827005.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/27/2012 11:21

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.: 46427 | 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	0.271	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.: 180-13537-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 180-46427/4
Matrix: Water
Lab File ID: 60827005.D
Analysis Method: 8260B
Date Collected:
Sample wt/vol: 5(mL)
Date Analyzed: 08/27/2012 11:21
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.: 46427
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)	108		64-135
2037-26-5	Toluene-d8 (Surr)	100		71-118
460-00-4	4-Bromofluorobenzene (Surr)	97		70-118
1868-53-7	Dibromofluoromethane (Surr)	112		70-128

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

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 180-46427/4

Matrix: Water Lab File ID: 60827005.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/27/2012 11:21

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.: 46427 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\T6082712d.b\60827005.D
Lab Smp Id: MB Client Smp ID: MB
Inj Date : 27-AUG-2012 11:21
Operator : 001562 Inst ID: hp6.i
Smp Info : MB
Misc Info : T6082712d.b,T8260bllw.m,1-mix.sub
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6082712d.b\T8260bllw.m
Meth Date : 27-Aug-2012 13:42 fergusond Quant Type: ISTD
Cal Date : 30-JUL-2012 07:43 Cal File: 60730009.D
Als bottle: 55
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-mix.sub
Target Version: 4.14
Processing Host: PITPC-002

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 46 Fluorobenzene (IS)	96	7.345	7.342	(1.000)	376450	50.0000	
* 69 Chlorobenzene-d5	119	10.441	10.439	(1.000)	85213	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.765	12.769	(1.000)	135540	50.0000	
$ 39 Dibromofluoromethane (Surr)	113	6.602	6.594	(0.899)	89708	56.0015	56.00
$ 43 1,2-Dichloroethane-d4	65	6.973	6.965	(0.949)	138193	54.1595	54.16
$ 59 Toluene-d8	98	8.999	8.997	(0.862)	357107	49.7597	49.76
$ 80 Bromofluorobenzene (Surr)	95	11.609	11.607	(1.112)	137719	48.4821	48.48
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	4.212	4.209	(0.573)	3195	1.35303	1.353(Q)
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.					
11 Acrolein	56	Compound Not Detected.					
22 Acrylonitrile	53	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\T6082712d.b\60827005.D
Lab Smp Id: MB Client Smp ID: MB
Inj Date : 27-AUG-2012 11:21
Operator : 001562 Inst ID: hp6.i
Smp Info : MB
Misc Info : T6082712d.b,T8260bllw.m,1-mix.sub
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6082712d.b\T8260bllw.m
Meth Date : 27-Aug-2012 13:42 fergusond Quant Type: ISTD
Cal Date : 30-JUL-2012 07:43 Cal File: 60730009.D
Als bottle: 55
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-mix.sub
Target Version: 4.14
Processing Host: PITPC-002

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: 60827005.D

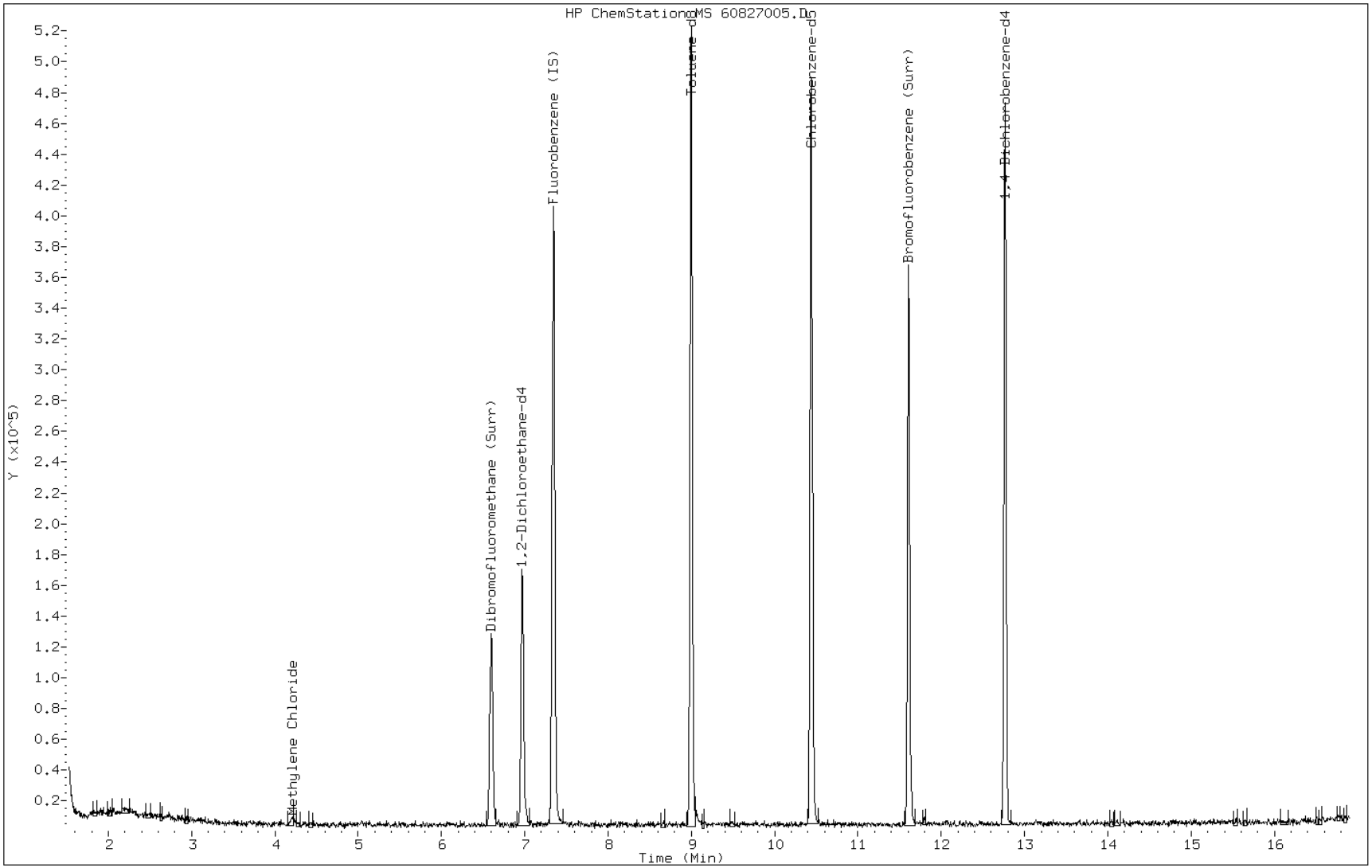
Date: 27-AUG-2012 11:21

Client ID: MB

Instrument: hp6.i

Sample Info: MB

Operator: 001562



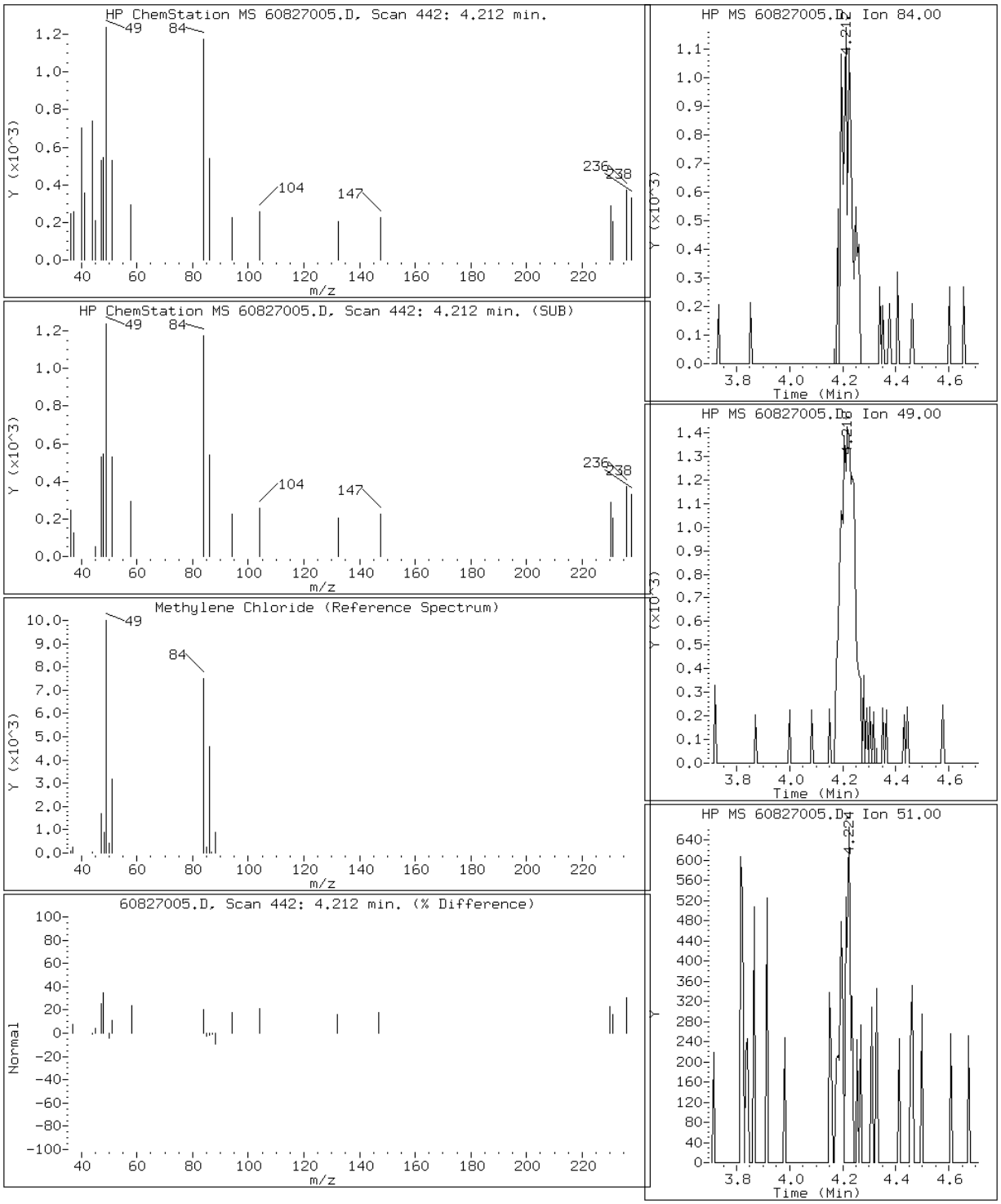
Data File: 60827005.D

Date: 27-AUG-2012 11:21

Client ID: MB | Instrument: hp6.i

Sample Info: MB | Operator: 001562

18 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 180-46427/7
Matrix: Water
Lab File ID: 60827008.D
Analysis Method: 8260B
Date Collected:
Sample wt/vol: 5(mL)
Date Analyzed: 08/27/2012 12:44
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.: 46427
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	9.06		5.0	2.5
71-43-2	Benzene	9.88		1.0	0.11
75-27-4	Bromodichloromethane	10.4		1.0	0.13
75-25-2	Bromoform	12.1		1.0	0.19
74-83-9	Bromomethane	6.37		1.0	0.31
78-93-3	2-Butanone (MEK)	9.39		5.0	0.55
75-15-0	Carbon disulfide	8.63		1.0	0.21
56-23-5	Carbon tetrachloride	10.8		1.0	0.14
108-90-7	Chlorobenzene	9.94		1.0	0.14
75-00-3	Chloroethane	6.95		1.0	0.21
67-66-3	Chloroform	9.48		1.0	0.17
124-48-1	Dibromochloromethane	11.3		1.0	0.14
96-12-8	1,2-Dibromo-3-Chloropropane	10.6		1.0	0.14
106-93-4	1,2-Dibromoethane (EDB)	10.4		1.0	0.18
75-34-3	1,1-Dichloroethane	9.63		1.0	0.12
107-06-2	1,2-Dichloroethane	9.30		1.0	0.21
75-35-4	1,1-Dichloroethene	8.95		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	9.23		1.0	0.17
78-87-5	1,2-Dichloropropane	10.3		1.0	0.095
10061-01-5	cis-1,3-Dichloropropene	10.0		1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	10.3		1.0	0.15
100-41-4	Ethylbenzene	10.5		1.0	0.23
591-78-6	2-Hexanone	8.82		5.0	0.16
75-09-2	Methylene Chloride	8.05		1.0	0.15
108-10-1	4-Methyl-2-pentanone (MIBK)	9.08		5.0	0.53
100-42-5	Styrene	10.3		1.0	0.097
79-34-5	1,1,2,2-Tetrachloroethane	11.0		1.0	0.20
127-18-4	Tetrachloroethene	10.9		1.0	0.15
108-88-3	Toluene	10.0		1.0	0.15
71-55-6	1,1,1-Trichloroethane	9.86		1.0	0.29
79-00-5	1,1,2-Trichloroethane	9.88		1.0	0.20
79-01-6	Trichloroethene	9.21		1.0	0.14
75-69-4	Trichlorofluoromethane	9.79		1.0	0.20
75-01-4	Vinyl chloride	7.84		1.0	0.23
1330-20-7	Xylenes, Total	31.5		3.0	0.49
110-82-7	Cyclohexane	9.50		1.0	0.25

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 180-46427/7
Matrix: Water
Lab File ID: 60827008.D
Analysis Method: 8260B
Date Collected:
Sample wt/vol: 5(mL)
Date Analyzed: 08/27/2012 12:44
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.: 46427
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	8.37		1.0	0.24
75-71-8	Dichlorodifluoromethane	6.80		1.0	0.19
98-82-8	Isopropylbenzene	9.89		1.0	0.16
79-20-9	Methyl acetate	9.07		1.0	0.14
108-87-2	Methylcyclohexane	9.51		1.0	0.26
1634-04-4	Methyl tert-butyl ether	8.14		1.0	0.18
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	9.51		1.0	0.32
95-50-1	1,2-Dichlorobenzene	9.75		1.0	0.15
541-73-1	1,3-Dichlorobenzene	10.1		1.0	0.11
106-46-7	1,4-Dichlorobenzene	9.89		1.0	0.21
120-82-1	1,2,4-Trichlorobenzene	8.44		1.0	0.27
74-87-3	Chloromethane	8.05		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)	93		64-135
2037-26-5	Toluene-d8 (Surr)	99		71-118
460-00-4	4-Bromofluorobenzene (Surr)	88		70-118
1868-53-7	Dibromofluoromethane (Surr)	96		70-128

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6082712d.b\60827008.D
Lab Smp Id: LCS Client Smp ID: LCS
Inj Date : 27-AUG-2012 12:44
Operator : 001562 Inst ID: hp6.i
Smp Info : LCS
Misc Info : T6082712d.b,T8260bllw.m,1-mix.sub
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6082712d.b\T8260bllw.m
Meth Date : 27-Aug-2012 13:42 fergusond Quant Type: ISTD
Cal Date : 30-JUL-2012 07:43 Cal File: 60730009.D
Als bottle: 58
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-mix.sub
Target Version: 4.14
Processing Host: PITPC-002

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 46 Fluorobenzene (IS)	96	7.349	7.342	(1.000)	416094	50.0000	
* 69 Chlorobenzene-d5	119	10.439	10.439	(1.000)	87252	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.763	12.769	(1.000)	122381	50.0000	
$ 39 Dibromofluoromethane (Surr)	113	6.600	6.594	(0.898)	84585	47.7724	47.77
$ 43 1,2-Dichloroethane-d4	65	6.971	6.965	(0.949)	131757	46.7173	46.72
$ 59 Toluene-d8	98	8.997	8.997	(0.862)	364340	49.5812	49.58
$ 80 Bromofluorobenzene (Surr)	95	11.607	11.607	(1.112)	127464	43.8233	43.82
1 Dichlorodifluoromethane	85	1.624	1.624	(0.221)	84087	33.9826	33.98
2 Chloromethane	50	1.782	1.782	(0.243)	147180	40.2262	40.23
3 Vinyl Chloride	62	1.916	1.910	(0.261)	109454	39.2232	39.22
4 Bromomethane	94	2.287	2.287	(0.311)	33618	31.8596	31.86
5 Chloroethane	64	2.427	2.427	(0.330)	55450	34.7615	34.76
6 Trichlorofluoromethane	101	2.749	2.749	(0.374)	135000	48.9459	48.94
10 1,1,2-trichloro-1,2,2-trifluor	101	3.479	3.479	(0.474)	96759	47.5715	47.57
12 1,1-Dichloroethene	96	3.437	3.431	(0.468)	86620	44.7550	44.76
15 Carbon Disulfide	76	3.717	3.723	(0.506)	183988	43.1379	43.14
13 Acetone	43	3.540	3.546	(0.482)	42206	45.3062	45.31
18 Methylene Chloride	84	4.209	4.209	(0.573)	105038	40.2437	40.24
19 trans-1,2-Dichloroethene	96	4.635	4.629	(0.631)	100765	46.1587	46.16
20 Methyl tert-butyl ether	73	4.660	4.660	(0.634)	234953	40.7177	40.72
24 1,1-Dichloroethane	63	5.238	5.244	(0.713)	223970	48.1669	48.17
27 2,2-Dichloropropane	77	5.992	5.992	(0.815)	93966	49.9362	49.94
28 cis-1,2-dichloroethene	96	6.004	6.004	(0.817)	105021	41.8448	41.84
M 29 1,2-Dichloroethene (total)	96				205786	88.0034	88.00
30 Bromochloromethane	128	6.296	6.296	(0.857)	47214	47.1610	47.16
31 2-Butanone	43	6.053	6.053	(0.824)	54644	46.9717	46.97
37 Chloroform	83	6.412	6.412	(0.873)	186359	47.3964	47.40
38 1,1,1-Trichloroethane	97	6.600	6.600	(0.898)	153980	49.2859	49.28

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
	40 1,1-Dichloropropene	75	6.795	6.795	(0.925)	155874	49.5027	49.50
	41 Carbon Tetrachloride	117	6.789	6.789	(0.924)	125131	54.1941	54.19
	42 Benzene	78	7.032	7.026	(0.957)	448663	49.3762	49.38
	45 1,2-Dichloroethane	62	7.056	7.056	(0.960)	175259	46.4931	46.49
	47 Trichloroethene	130	7.738	7.738	(1.053)	100983	46.0421	46.04
	49 1,2-Dichloropropane	63	7.975	7.975	(1.085)	117674	51.5198	51.52
	50 Dibromomethane	93	8.097	8.097	(1.102)	54919	47.2390	47.24
	53 Bromodichloromethane	83	8.273	8.267	(1.126)	116027	51.8980	51.90
	57 cis-1,3-Dichloropropene	75	8.729	8.729	(1.188)	114460	50.1695	50.17
	58 4-Methyl-2-Pentanone	43	8.894	8.894	(0.852)	103277	45.4097	45.41
	60 Toluene	91	9.064	9.064	(0.868)	448694	50.1124	50.11
	61 trans-1,3-Dichloropropene	75	9.295	9.289	(0.890)	103396	51.6444	51.64
	63 1,3-Dichloropropane	76	9.642	9.642	(0.924)	150344	52.4484	52.45
	64 1,1,2-Trichloroethane	97	9.478	9.472	(0.908)	77281	49.3846	49.38
	65 Tetrachloroethene	164	9.612	9.612	(0.921)	89939	54.3759	54.38
	66 2-Hexanone	43	9.727	9.727	(0.932)	69130	44.0992	44.10
	67 Dibromochloromethane	129	9.867	9.867	(0.945)	64486	56.4975	56.50
	68 1,2-Dibromoethane	107	9.977	9.977	(0.956)	74423	51.9948	51.99
	70 Chlorobenzene	112	10.469	10.469	(1.003)	269568	49.7047	49.70
	71 1,1,1,2-Tetrachloroethane	131	10.554	10.548	(1.011)	84518	54.0201	54.02
	72 Ethylbenzene	106	10.579	10.579	(1.013)	156849	52.5202	52.52
	73 m + p-Xylene	106	10.694	10.694	(1.024)	405492	108.548	108.5
	74 Xylene-o	106	11.090	11.090	(1.062)	179574	49.1909	49.19
M	75 Xylenes (total)	106				585066	157.739	157.7
	76 Styrene	104	11.102	11.102	(1.064)	284359	51.3132	51.31
	77 Bromoform	173	11.285	11.291	(1.081)	37052	60.7117	60.71
	78 Isopropylbenzene	105	11.455	11.455	(1.097)	482010	49.4726	49.47
	79 Bromobenzene	156	11.765	11.759	(0.922)	95339	51.6302	51.63
	81 n-Propylbenzene	120	11.862	11.862	(0.929)	123660	53.5149	53.51
	82 2-Chlorotoluene	126	11.954	11.954	(0.937)	103714	52.3194	52.32(Q)
	83 1,1,2,2-Tetrachloroethane	83	11.753	11.753	(0.921)	100367	54.7669	54.77
	84 1,2,3-Trichloropropane	110	11.802	11.802	(0.925)	34288	51.5408	51.54
	85 4-Chlorotoluene	126	12.063	12.063	(0.945)	107394	50.7577	50.76
	86 1,3,5-Trimethylbenzene	105	12.039	12.039	(0.943)	386109	53.6998	53.70
	87 tert-Butylbenzene	119	12.367	12.367	(0.969)	295740	48.8143	48.81
	88 1,2,4-Trimethylbenzene	105	12.416	12.416	(0.973)	378407	53.3281	53.33
	89 sec-Butylbenzene	105	12.586	12.586	(0.986)	416391	50.5148	50.51
	90 4-Isopropyltoluene	119	12.732	12.726	(0.998)	338021	47.8071	47.81
	91 1,3-Dichlorobenzene	146	12.702	12.702	(0.995)	188654	50.5111	50.51
	93 1,4-Dichlorobenzene	146	12.787	12.787	(1.002)	192382	49.4271	49.43
	94 n-Butylbenzene	91	13.140	13.140	(1.030)	269815	45.9578	45.96
	95 1,2-Dichlorobenzene	146	13.164	13.164	(1.031)	171387	48.7569	48.76
	96 1,2-Dibromo-3-chloropropane	157	13.949	13.949	(1.093)	12353	53.1750	53.17
	97 1,2,4-Trichlorobenzene	180	14.776	14.776	(1.158)	75732	42.2005	42.20
	98 Hexachlorobutadiene	225	14.947	14.947	(1.171)	38211	48.1030	48.10
	99 Naphthalene	128	15.032	15.032	(1.178)	159097	36.3862	36.39
	100 1,2,3-Trichlorobenzene	180	15.275	15.275	(1.197)	60378	41.2615	41.26
	156 Methyl Acetate	43	4.082	4.088	(0.555)	96935	45.3483	45.35
	157 Cyclohexane	56	6.661	6.661	(0.906)	245573	47.4801	47.48
	158 Methyl Cyclohexane	83	7.933	7.932	(1.079)	176645	47.5324	47.53
	160 1,3,5-Trichlorobenzene	180	14.156	14.156	(1.109)	100558	48.4065	48.41
	168 3-Chlorobenzotrifluoride	180	10.445	10.445	(1.001)	185400	54.5777	54.58
	169 4-Chlorobenzotrifluoride	180	10.500	10.500	(1.006)	174672	56.7594	56.76
	170 2-Chlorobenzotrifluoride	180	11.351	11.345	(1.087)	168443	51.9259	51.92

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
171 3-Chlorotoluene	126	12.021	12.015	(0.942)	115684	52.4698	52.47
172 3,4-Dichlorobenzotrifluoride	214	12.477	12.477	(0.978)	123476	56.3030	56.30
173 2,4-Dichlorobenzotrifluoride	214	12.836	12.836	(1.006)	99711	50.9389	50.94
174 2,5-Dichlorobenzotrifluoride	214	12.884	12.891	(1.010)	109301	49.4575	49.46
175 Dichlorotoluene(2,4/2,5/2,6)	125	14.095	14.089	(1.104)	359298	134.257	134.2
176 Dichlorotoluene(2,3/3,4)	125	14.515	14.509	(1.137)	233875	87.1919	87.19
177 2,4,5-Trichlorotoluene	159	16.151	16.157	(1.265)	24893	36.3185	36.32
178 2,3,6-Trichlorotoluene	159	16.273	16.273	(1.275)	22412	36.9827	36.98
11 Acrolein	56	Compound Not Detected.					
22 Acrylonitrile	53	Compound Not Detected.					
52 1,4-Dioxane	88	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: 60827008.D

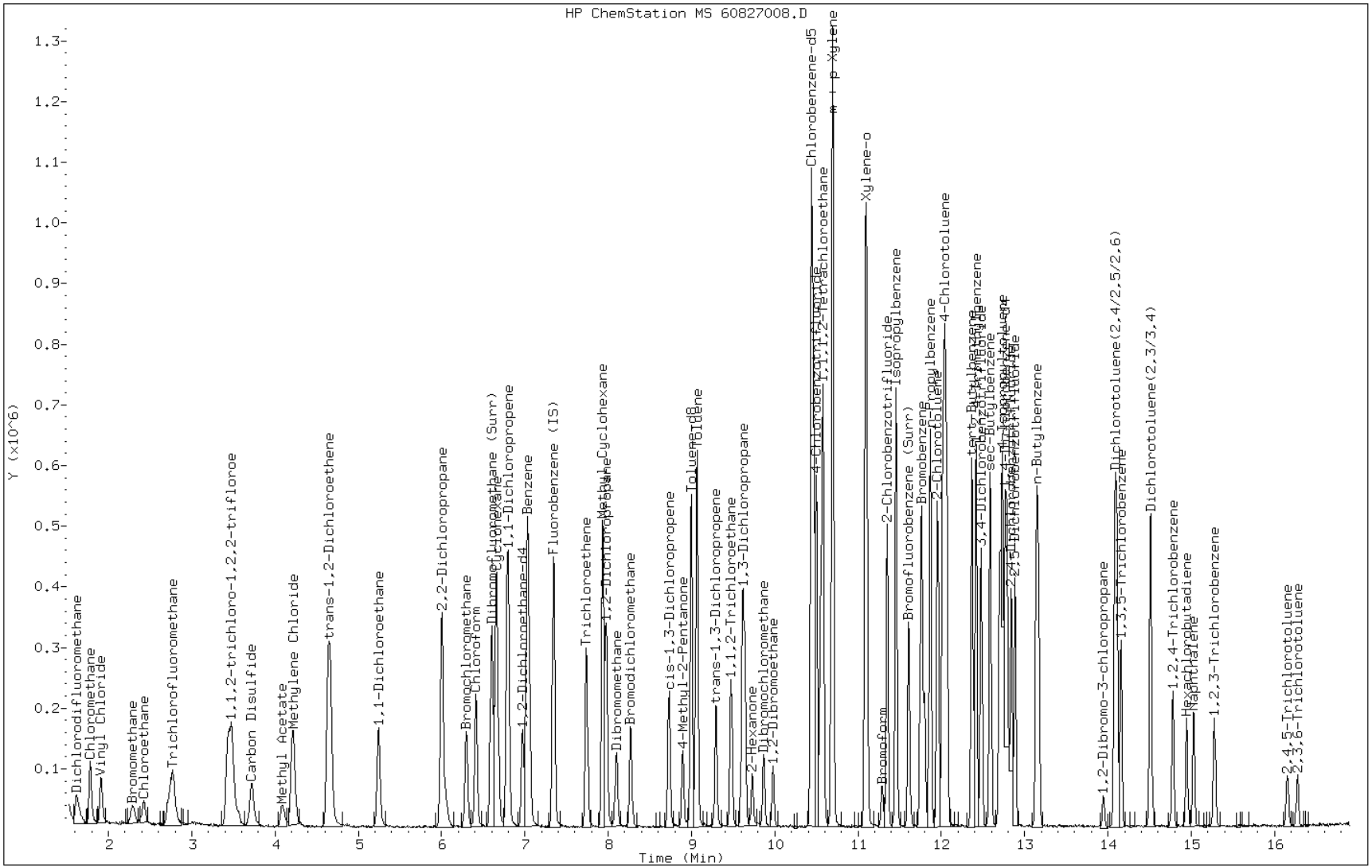
Date: 27-AUG-2012 12:44

Client ID: LCS

Instrument: hp6.i

Sample Info: LCS

Operator: 001562



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID:
Lab Sample ID: 180-13569-A-2 MS
Matrix: Water
Lab File ID: 60827009.D
Analysis Method: 8260B
Date Collected:
Sample wt/vol: 5(mL)
Date Analyzed: 08/27/2012 13:08
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.: 46427
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10.0		5.0	2.5
71-43-2	Benzene	9.97		1.0	0.11
75-27-4	Bromodichloromethane	10.5		1.0	0.13
75-25-2	Bromoform	12.0		1.0	0.19
74-83-9	Bromomethane	5.01		1.0	0.31
78-93-3	2-Butanone (MEK)	10.5		5.0	0.55
75-15-0	Carbon disulfide	9.18		1.0	0.21
56-23-5	Carbon tetrachloride	10.6		1.0	0.14
108-90-7	Chlorobenzene	10.1		1.0	0.14
75-00-3	Chloroethane	7.34		1.0	0.21
67-66-3	Chloroform	9.91		1.0	0.17
124-48-1	Dibromochloromethane	12.1		1.0	0.14
96-12-8	1,2-Dibromo-3-Chloropropane	9.84		1.0	0.14
106-93-4	1,2-Dibromoethane (EDB)	10.6		1.0	0.18
75-34-3	1,1-Dichloroethane	14.4		1.0	0.12
107-06-2	1,2-Dichloroethane	9.81		1.0	0.21
75-35-4	1,1-Dichloroethene	9.34		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	9.13		1.0	0.17
78-87-5	1,2-Dichloropropane	10.6		1.0	0.095
10061-01-5	cis-1,3-Dichloropropene	10.7		1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	11.2		1.0	0.15
100-41-4	Ethylbenzene	11.0		1.0	0.23
591-78-6	2-Hexanone	9.28		5.0	0.16
75-09-2	Methylene Chloride	8.56		1.0	0.15
108-10-1	4-Methyl-2-pentanone (MIBK)	9.64		5.0	0.53
100-42-5	Styrene	10.4		1.0	0.097
79-34-5	1,1,2,2-Tetrachloroethane	11.1		1.0	0.20
127-18-4	Tetrachloroethene	12.1		1.0	0.15
108-88-3	Toluene	10.2		1.0	0.15
71-55-6	1,1,1-Trichloroethane	10.5		1.0	0.29
79-00-5	1,1,2-Trichloroethane	10.3		1.0	0.20
79-01-6	Trichloroethene	10.4		1.0	0.14
75-69-4	Trichlorofluoromethane	10.7		1.0	0.20
75-01-4	Vinyl chloride	8.09		1.0	0.23
1330-20-7	Xylenes, Total	32.1		3.0	0.49
110-82-7	Cyclohexane	10.0		1.0	0.25

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID:
Lab Sample ID: 180-13569-A-2 MS
Matrix: Water
Lab File ID: 60827009.D
Analysis Method: 8260B
Date Collected:
Sample wt/vol: 5(mL)
Date Analyzed: 08/27/2012 13:08
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.: 46427
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	12.6		1.0	0.24
75-71-8	Dichlorodifluoromethane	12.6		1.0	0.19
98-82-8	Isopropylbenzene	10.2		1.0	0.16
79-20-9	Methyl acetate	8.83		1.0	0.14
108-87-2	Methylcyclohexane	9.79		1.0	0.26
1634-04-4	Methyl tert-butyl ether	9.21		1.0	0.18
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	9.67		1.0	0.32
95-50-1	1,2-Dichlorobenzene	9.73		1.0	0.15
541-73-1	1,3-Dichlorobenzene	9.77		1.0	0.11
106-46-7	1,4-Dichlorobenzene	9.86		1.0	0.21
120-82-1	1,2,4-Trichlorobenzene	8.19		1.0	0.27
74-87-3	Chloromethane	8.09		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)	95		64-135
2037-26-5	Toluene-d8 (Surr)	102		71-118
460-00-4	4-Bromofluorobenzene (Surr)	90		70-118
1868-53-7	Dibromofluoromethane (Surr)	98		70-128

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6082712d.b\60827009.D
Lab Smp Id: 180-13569-A-2 MS Client Smp ID: MS
Inj Date : 27-AUG-2012 13:08
Operator : 001562 Inst ID: hp6.i
Smp Info : 180-13569-A-2 MS
Misc Info : T6082712d.b,T8260bllw.m,1-mix.sub
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6082712d.b\T8260bllw.m
Meth Date : 27-Aug-2012 13:42 fergusond Quant Type: ISTD
Cal Date : 30-JUL-2012 07:43 Cal File: 60730009.D
Als bottle: 59
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-mix.sub
Target Version: 4.14
Processing Host: PITPC-002

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 46 Fluorobenzene (IS)	96	7.342	7.342	(1.000)	414311	50.0000	
* 69 Chlorobenzene-d5	119	10.439	10.439	(1.000)	87212	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.763	12.769	(1.000)	124937	50.0000	
$ 39 Dibromofluoromethane (Surr)	113	6.594	6.594	(0.898)	86194	48.8907	48.89
$ 43 1,2-Dichloroethane-d4	65	6.971	6.965	(0.949)	133498	47.5383	47.54
$ 59 Toluene-d8	98	8.997	8.997	(0.862)	374303	50.9604	50.96
$ 80 Bromofluorobenzene (Surr)	95	11.613	11.607	(1.112)	131309	45.1660	45.16
1 Dichlorodifluoromethane	85	1.624	1.624	(0.221)	155511	63.1181	63.12
2 Chloromethane	50	1.782	1.782	(0.243)	147277	40.4260	40.42
3 Vinyl Chloride	62	1.916	1.910	(0.261)	112454	40.4717	40.47
4 Bromomethane	94	2.287	2.287	(0.312)	26307	25.0383	25.04
5 Chloroethane	64	2.427	2.427	(0.331)	58323	36.7199	36.72
6 Trichlorofluoromethane	101	2.755	2.749	(0.375)	147033	53.5380	53.54
10 1,1,2-trichloro-1,2,2-trifluor	101	3.485	3.479	(0.475)	97893	48.3362	48.34
12 1,1-Dichloroethene	96	3.437	3.431	(0.468)	90043	46.7239	46.72
15 Carbon Disulfide	76	3.717	3.723	(0.506)	195023	45.9220	45.92
13 Acetone	43	3.558	3.546	(0.485)	46502	50.1326	50.13
18 Methylene Chloride	84	4.209	4.209	(0.573)	111289	42.8222	42.82
19 trans-1,2-Dichloroethene	96	4.635	4.629	(0.631)	99266	45.6677	45.67
20 Methyl tert-butyl ether	73	4.666	4.660	(0.635)	264625	46.0572	46.06
24 1,1-Dichloroethane	63	5.244	5.244	(0.714)	334345	72.2135	72.21
27 2,2-Dichloropropane	77	5.992	5.992	(0.816)	99324	53.0108	53.01
28 cis-1,2-dichloroethene	96	6.004	6.004	(0.818)	157141	62.8810	62.88
M 29 1,2-Dichloroethene (total)	96				256407	108.549	108.5
30 Bromochloromethane	128	6.296	6.296	(0.857)	47398	47.5486	47.55
31 2-Butanone	43	6.053	6.053	(0.824)	60918	52.5901	52.59
37 Chloroform	83	6.412	6.412	(0.873)	194053	49.5656	49.56
38 1,1,1-Trichloroethane	97	6.600	6.600	(0.899)	163643	52.6043	52.60

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
	40 1,1-Dichloropropene	75	6.795	6.795	(0.925)	154700	49.3413	49.34
	41 Carbon Tetrachloride	117	6.789	6.789	(0.925)	121469	52.8345	52.83
	42 Benzene	78	7.026	7.026	(0.957)	450821	49.8272	49.83
	45 1,2-Dichloroethane	62	7.056	7.056	(0.961)	184111	49.0515	49.05
	47 Trichloroethene	130	7.738	7.738	(1.054)	113495	51.9695	51.97
	49 1,2-Dichloropropane	63	7.975	7.975	(1.086)	120203	52.8535	52.85
	50 Dibromomethane	93	8.097	8.097	(1.103)	55492	47.9372	47.94
	53 Bromodichloromethane	83	8.267	8.267	(1.126)	116754	52.4480	52.45
	57 cis-1,3-Dichloropropene	75	8.729	8.729	(1.189)	121656	53.5531	53.55
	58 4-Methyl-2-Pentanone	43	8.894	8.894	(0.852)	109628	48.2243	48.22
	60 Toluene	91	9.064	9.064	(0.868)	454343	50.7665	50.77
	61 trans-1,3-Dichloropropene	75	9.289	9.289	(0.890)	111777	55.8562	55.86
	63 1,3-Dichloropropane	76	9.636	9.642	(0.923)	151371	52.8309	52.83
	64 1,1,2-Trichloroethane	97	9.472	9.472	(0.907)	80422	51.4153	51.42
	65 Tetrachloroethene	164	9.611	9.612	(0.921)	100254	60.6400	60.64
	66 2-Hexanone	43	9.727	9.727	(0.932)	72694	46.3940	46.39
	67 Dibromochloromethane	129	9.867	9.867	(0.945)	68976	60.4590	60.46
	68 1,2-Dibromoethane	107	9.976	9.977	(0.956)	75634	52.8651	52.86
	70 Chlorobenzene	112	10.469	10.469	(1.003)	274730	50.6797	50.68
	71 1,1,1,2-Tetrachloroethane	131	10.548	10.548	(1.010)	81149	51.8906	51.89
	72 Ethylbenzene	106	10.579	10.579	(1.013)	163866	54.8950	54.89
	73 m + p-Xylene	106	10.694	10.694	(1.024)	408239	109.334	109.3
	74 Xylene-o	106	11.090	11.090	(1.062)	185932	50.9559	50.96
M	75 Xylenes (total)	106				594171	160.290	160.3
	76 Styrene	104	11.102	11.102	(1.064)	288894	52.1555	52.16
	77 Bromoform	173	11.284	11.291	(1.081)	36633	60.0527	60.05
	78 Isopropylbenzene	105	11.455	11.455	(1.097)	497411	51.0768	51.08
	79 Bromobenzene	156	11.759	11.759	(0.921)	102032	54.1243	54.12
	81 n-Propylbenzene	120	11.862	11.862	(0.929)	121507	51.5074	51.51
	82 2-Chlorotoluene	126	11.954	11.954	(0.937)	106597	52.6736	52.67
	83 1,1,2,2-Tetrachloroethane	83	11.753	11.753	(0.921)	103506	55.3243	55.32
	84 1,2,3-Trichloropropane	110	11.795	11.802	(0.924)	35388	52.1061	52.11
	85 4-Chlorotoluene	126	12.063	12.063	(0.945)	113258	52.4340	52.43
	86 1,3,5-Trimethylbenzene	105	12.039	12.039	(0.943)	399009	54.3587	54.36
	87 tert-Butylbenzene	119	12.367	12.367	(0.969)	309040	49.9660	49.96
	88 1,2,4-Trimethylbenzene	105	12.416	12.416	(0.973)	379517	52.3904	52.39
	89 sec-Butylbenzene	105	12.586	12.586	(0.986)	439782	52.2610	52.26
	90 4-Isopropyltoluene	119	12.732	12.726	(0.998)	346329	47.9800	47.98
	91 1,3-Dichlorobenzene	146	12.702	12.702	(0.995)	186287	48.8569	48.86
	93 1,4-Dichlorobenzene	146	12.787	12.787	(1.002)	195827	49.2829	49.28
	94 n-Butylbenzene	91	13.140	13.140	(1.030)	282281	47.0975	47.10
	95 1,2-Dichlorobenzene	146	13.164	13.164	(1.031)	174588	48.6514	48.65
	96 1,2-Dibromo-3-chloropropane	157	13.943	13.949	(1.092)	11667	49.1946	49.19
	97 1,2,4-Trichlorobenzene	180	14.776	14.776	(1.158)	75052	40.9660	40.97
	98 Hexachlorobutadiene	225	14.947	14.947	(1.171)	36511	45.0226	45.02
	99 Naphthalene	128	15.032	15.032	(1.178)	170483	38.1925	38.19
	100 1,2,3-Trichlorobenzene	180	15.281	15.275	(1.197)	60168	40.2768	40.28
	156 Methyl Acetate	43	4.088	4.088	(0.557)	93922	44.1279	44.13
	157 Cyclohexane	56	6.661	6.661	(0.907)	258372	50.1697	50.17
	158 Methyl Cyclohexane	83	7.932	7.932	(1.080)	181050	48.9274	48.93
	160 1,3,5-Trichlorobenzene	180	14.156	14.156	(1.109)	107235	50.5646	50.56
	168 3-Chlorobenzotrifluoride	180	10.445	10.445	(1.001)	187959	55.3564	55.36
	169 4-Chlorobenzotrifluoride	180	10.500	10.500	(1.006)	177158	57.5936	57.59
	170 2-Chlorobenzotrifluoride	180	11.351	11.345	(1.087)	173460	53.4970	53.50

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
171 3-Chlorotoluene	126	12.014	12.015	(0.941)	115010	51.0969	51.10(Q)
172 3,4-Dichlorobenzotrifluoride	214	12.477	12.477	(0.978)	122646	54.7804	54.78
173 2,4-Dichlorobenzotrifluoride	214	12.836	12.836	(1.006)	102923	51.5041	51.50
174 2,5-Dichlorobenzotrifluoride	214	12.884	12.891	(1.010)	115264	51.0887	51.09
175 Dichlorotoluene(2,4/2,5/2,6)	125	14.089	14.089	(1.104)	366828	134.266	134.3
176 Dichlorotoluene(2,3/3,4)	125	14.515	14.509	(1.137)	240570	87.8530	87.85
177 2,4,5-Trichlorotoluene	159	16.151	16.157	(1.265)	25715	36.7503	36.75
178 2,3,6-Trichlorotoluene	159	16.273	16.273	(1.275)	22254	35.9707	35.97
11 Acrolein	56	Compound Not Detected.					
22 Acrylonitrile	53	Compound Not Detected.					
52 1,4-Dioxane	88	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: 60827009.D

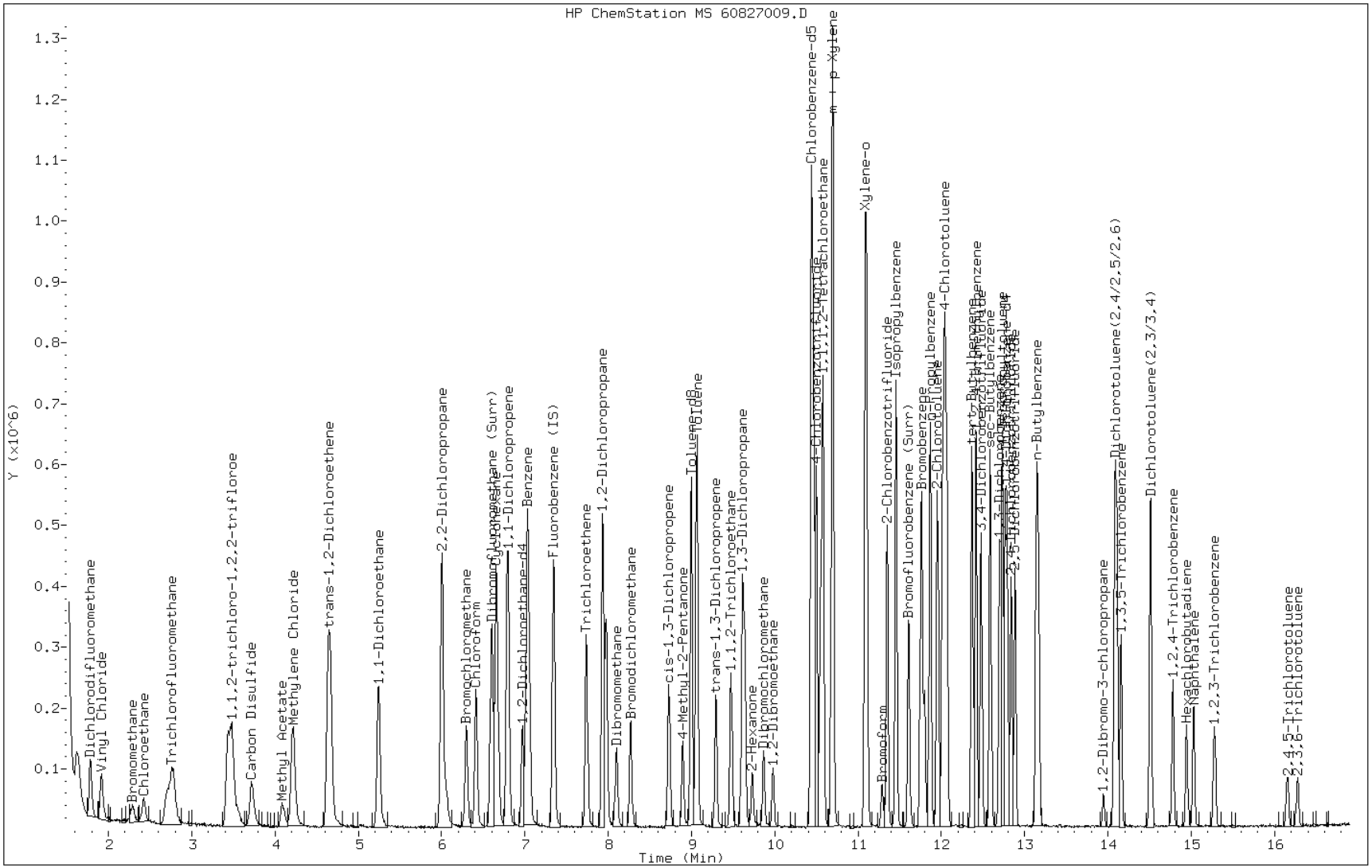
Date: 27-AUG-2012 13:08

Client ID: MS

Instrument: hp6.i

Sample Info: 180-13569-A-2 MS

Operator: 001562



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID:
Lab Sample ID: 180-13569-A-2 MSD
Matrix: Water
Lab File ID: 60827010.D
Analysis Method: 8260B
Date Collected:
Sample wt/vol: 5(mL)
Date Analyzed: 08/27/2012 13:32
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.: 46427
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	9.77		5.0	2.5
71-43-2	Benzene	10.5		1.0	0.11
75-27-4	Bromodichloromethane	10.8		1.0	0.13
75-25-2	Bromoform	12.7		1.0	0.19
74-83-9	Bromomethane	5.24		1.0	0.31
78-93-3	2-Butanone (MEK)	11.6		5.0	0.55
75-15-0	Carbon disulfide	9.15		1.0	0.21
56-23-5	Carbon tetrachloride	10.8		1.0	0.14
108-90-7	Chlorobenzene	10.9		1.0	0.14
75-00-3	Chloroethane	7.58		1.0	0.21
67-66-3	Chloroform	10.2		1.0	0.17
124-48-1	Dibromochloromethane	12.1		1.0	0.14
96-12-8	1,2-Dibromo-3-Chloropropane	10.1		1.0	0.14
106-93-4	1,2-Dibromoethane (EDB)	11.5		1.0	0.18
75-34-3	1,1-Dichloroethane	14.7		1.0	0.12
107-06-2	1,2-Dichloroethane	10.3		1.0	0.21
75-35-4	1,1-Dichloroethene	9.23		1.0	0.30
156-60-5	trans-1,2-Dichloroethene	9.34		1.0	0.17
78-87-5	1,2-Dichloropropane	11.3		1.0	0.095
10061-01-5	cis-1,3-Dichloropropene	11.4		1.0	0.19
10061-02-6	trans-1,3-Dichloropropene	11.5		1.0	0.15
100-41-4	Ethylbenzene	11.4		1.0	0.23
591-78-6	2-Hexanone	10.1		5.0	0.16
75-09-2	Methylene Chloride	8.67		1.0	0.15
108-10-1	4-Methyl-2-pentanone (MIBK)	9.93		5.0	0.53
100-42-5	Styrene	10.9		1.0	0.097
79-34-5	1,1,2,2-Tetrachloroethane	11.5		1.0	0.20
127-18-4	Tetrachloroethene	12.1		1.0	0.15
108-88-3	Toluene	10.6		1.0	0.15
71-55-6	1,1,1-Trichloroethane	11.0		1.0	0.29
79-00-5	1,1,2-Trichloroethane	10.5		1.0	0.20
79-01-6	Trichloroethene	10.7		1.0	0.14
75-69-4	Trichlorofluoromethane	9.48		1.0	0.20
75-01-4	Vinyl chloride	8.24		1.0	0.23
1330-20-7	Xylenes, Total	33.4		3.0	0.49
110-82-7	Cyclohexane	10.5		1.0	0.25

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID:
Lab Sample ID: 180-13569-A-2 MSD
Matrix: Water
Lab File ID: 60827010.D
Analysis Method: 8260B
Date Collected:
Sample wt/vol: 5(mL)
Date Analyzed: 08/27/2012 13:32
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.: 46427
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	12.5		1.0	0.24
75-71-8	Dichlorodifluoromethane	12.5		1.0	0.19
98-82-8	Isopropylbenzene	10.6		1.0	0.16
79-20-9	Methyl acetate	9.47		1.0	0.14
108-87-2	Methylcyclohexane	10.4		1.0	0.26
1634-04-4	Methyl tert-butyl ether	9.54		1.0	0.18
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	9.77		1.0	0.32
95-50-1	1,2-Dichlorobenzene	10.4		1.0	0.15
541-73-1	1,3-Dichlorobenzene	10.3		1.0	0.11
106-46-7	1,4-Dichlorobenzene	10.1		1.0	0.21
120-82-1	1,2,4-Trichlorobenzene	8.67		1.0	0.27
74-87-3	Chloromethane	8.41		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)	96		64-135
2037-26-5	Toluene-d8 (Surr)	101		71-118
460-00-4	4-Bromofluorobenzene (Surr)	91		70-118
1868-53-7	Dibromofluoromethane (Surr)	96		70-128

TestAmerica Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\pitsvr06\d\chem\hp6.i\T6082712d.b\60827010.D
Lab Smp Id: 180-13569-A-2 MSD Client Smp ID: MSD
Inj Date : 27-AUG-2012 13:32
Operator : 001562 Inst ID: hp6.i
Smp Info : 180-13569-A-2 MSD
Misc Info : T6082712d.b,T8260bllw.m,1-mix.sub
Comment :
Method : \\PITSVR06\D\chem\hp6.i\T6082712d.b\T8260bllw.m
Meth Date : 27-Aug-2012 13:42 fergusond Quant Type: ISTD
Cal Date : 30-JUL-2012 07:43 Cal File: 60730009.D
Als bottle: 60
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-mix.sub
Target Version: 4.14
Processing Host: PITPC-002

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 46 Fluorobenzene (IS)	96	7.344	7.342	(1.000)	395901	50.0000	
* 69 Chlorobenzene-d5	119	10.441	10.439	(1.000)	83812	50.0000	
* 92 1,4-Dichlorobenzene-d4	152	12.765	12.769	(1.000)	119679	50.0000	
$ 39 Dibromofluoromethane (Surr)	113	6.596	6.594	(0.898)	80535	47.8050	47.80
$ 43 1,2-Dichloroethane-d4	65	6.973	6.965	(0.949)	128640	47.9386	47.94
$ 59 Toluene-d8	98	8.993	8.997	(0.861)	357834	50.6945	50.69
$ 80 Bromofluorobenzene (Surr)	95	11.609	11.607	(1.112)	127597	45.6696	45.67
1 Dichlorodifluoromethane	85	1.614	1.624	(0.220)	146946	62.4152	62.42
2 Chloromethane	50	1.772	1.782	(0.241)	146352	42.0401	42.04
3 Vinyl Chloride	62	1.912	1.910	(0.260)	109344	41.1823	41.18
4 Bromomethane	94	2.289	2.287	(0.312)	26293	26.1887	26.19
5 Chloroethane	64	2.411	2.427	(0.328)	57541	37.9122	37.91
6 Trichlorofluoromethane	101	2.745	2.749	(0.374)	124335	47.3784	47.38
10 1,1,2-trichloro-1,2,2-trifluor	101	3.475	3.479	(0.473)	94561	48.8622	48.86
12 1,1-Dichloroethene	96	3.433	3.431	(0.467)	84972	46.1429	46.14
15 Carbon Disulfide	76	3.719	3.723	(0.506)	185652	45.7482	45.75
13 Acetone	43	3.554	3.546	(0.484)	43295	48.8456	48.84
18 Methylene Chloride	84	4.211	4.209	(0.573)	107632	43.3409	43.34
19 trans-1,2-Dichloroethene	96	4.637	4.629	(0.631)	96972	46.6869	46.69
20 Methyl tert-butyl ether	73	4.662	4.660	(0.635)	261839	47.6915	47.69
24 1,1-Dichloroethane	63	5.246	5.244	(0.714)	324196	73.2776	73.28
27 2,2-Dichloropropane	77	5.994	5.992	(0.816)	99429	55.5345	55.53
28 cis-1,2-dichloroethene	96	6.006	6.004	(0.818)	149675	62.6786	62.68
M 29 1,2-Dichloroethene (total)	96				246647	109.365	109.4
30 Bromochloromethane	128	6.292	6.296	(0.857)	48999	51.4404	51.44
31 2-Butanone	43	6.061	6.053	(0.825)	64326	58.1145	58.11
37 Chloroform	83	6.414	6.412	(0.873)	191359	51.1504	51.15
38 1,1,1-Trichloroethane	97	6.602	6.600	(0.899)	163175	54.8930	54.89

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
	40 1,1-Dichloropropene	75	6.791	6.795	(0.925)	156860	52.3567	52.36
	41 Carbon Tetrachloride	117	6.785	6.789	(0.924)	118108	53.7615	53.76
	42 Benzene	78	7.022	7.026	(0.956)	452785	52.3714	52.37
	45 1,2-Dichloroethane	62	7.059	7.056	(0.961)	185377	51.6855	51.68
	47 Trichloroethene	130	7.740	7.738	(1.054)	112152	53.7426	53.74
	49 1,2-Dichloropropane	63	7.971	7.975	(1.085)	122531	56.3825	56.38
	50 Dibromomethane	93	8.093	8.097	(1.102)	54626	49.3835	49.38
	53 Bromodichloromethane	83	8.263	8.267	(1.125)	115314	54.2099	54.21
	57 cis-1,3-Dichloropropene	75	8.731	8.729	(1.189)	124062	57.1517	57.15
	58 4-Methyl-2-Pentanone	43	8.896	8.894	(0.852)	108422	49.6286	49.63
	60 Toluene	91	9.066	9.064	(0.868)	453853	52.7690	52.77
	61 trans-1,3-Dichloropropene	75	9.291	9.289	(0.890)	110803	57.6156	57.62
	63 1,3-Dichloropropane	76	9.638	9.642	(0.923)	152922	55.5374	55.54
	64 1,1,2-Trichloroethane	97	9.474	9.472	(0.907)	78850	52.4553	52.46
	65 Tetrachloroethene	164	9.614	9.612	(0.921)	95901	60.3602	60.36
	66 2-Hexanone	43	9.729	9.727	(0.932)	75669	50.2518	50.25
	67 Dibromochloromethane	129	9.869	9.867	(0.945)	66452	60.6095	60.61
	68 1,2-Dibromoethane	107	9.979	9.977	(0.956)	78849	57.3479	57.35
	70 Chlorobenzene	112	10.471	10.469	(1.003)	283468	54.4129	54.41
	71 1,1,1,2-Tetrachloroethane	131	10.550	10.548	(1.010)	83916	55.8368	55.84
	72 Ethylbenzene	106	10.575	10.579	(1.013)	163495	56.9926	56.99
	73 m + p-Xylene	106	10.690	10.694	(1.024)	406108	113.175	113.2
	74 Xylene-o	106	11.086	11.090	(1.062)	188792	53.8386	53.84
M	75 Xylenes (total)	106				594900	167.014	167.0
	76 Styrene	104	11.098	11.102	(1.063)	289319	54.3511	54.35
	77 Bromoform	173	11.293	11.291	(1.082)	37115	63.3110	63.31
	78 Isopropylbenzene	105	11.451	11.455	(1.097)	497873	53.1982	53.20
	79 Bromobenzene	156	11.761	11.759	(0.921)	99434	55.0635	55.06
	81 n-Propylbenzene	120	11.864	11.862	(0.929)	123628	54.7089	54.71
	82 2-Chlorotoluene	126	11.956	11.954	(0.937)	102948	53.1055	53.10
	83 1,1,2,2-Tetrachloroethane	83	11.749	11.753	(0.920)	103151	57.5568	57.56
	84 1,2,3-Trichloropropane	110	11.791	11.802	(0.924)	36169	55.5958	55.60
	85 4-Chlorotoluene	126	12.059	12.063	(0.945)	118304	57.1764	57.18
	86 1,3,5-Trimethylbenzene	105	12.041	12.039	(0.943)	395676	56.2728	56.27
	87 tert-Butylbenzene	119	12.369	12.367	(0.969)	305191	51.5116	51.51
	88 1,2,4-Trimethylbenzene	105	12.412	12.416	(0.972)	367575	52.9711	52.97
	89 sec-Butylbenzene	105	12.588	12.586	(0.986)	429152	53.2384	53.24
	90 4-Isopropyltoluene	119	12.728	12.726	(0.997)	349815	50.5922	50.59
	91 1,3-Dichlorobenzene	146	12.698	12.702	(0.995)	187491	51.3331	51.33
	93 1,4-Dichlorobenzene	146	12.789	12.787	(1.002)	193145	50.7435	50.74
	94 n-Butylbenzene	91	13.142	13.140	(1.030)	276358	48.1351	48.14
	95 1,2-Dichlorobenzene	146	13.166	13.164	(1.031)	178073	51.8027	51.80
	96 1,2-Dibromo-3-chloropropane	157	13.945	13.949	(1.092)	11463	50.4579	50.46
	97 1,2,4-Trichlorobenzene	180	14.778	14.776	(1.158)	76054	43.3368	43.34
	98 Hexachlorobutadiene	225	14.949	14.947	(1.171)	35845	46.1433	46.14
	99 Naphthalene	128	15.028	15.032	(1.177)	172517	40.3462	40.35
	100 1,2,3-Trichlorobenzene	180	15.277	15.275	(1.197)	65302	45.6340	45.63
	156 Methyl Acetate	43	4.084	4.088	(0.556)	96295	47.3466	47.35
	157 Cyclohexane	56	6.657	6.661	(0.906)	257987	52.4244	52.42
	158 Methyl Cyclohexane	83	7.935	7.932	(1.080)	184581	52.2012	52.20
	160 1,3,5-Trichlorobenzene	180	14.158	14.156	(1.109)	103243	50.8211	50.82
	168 3-Chlorobenzotrifluoride	180	10.447	10.445	(1.001)	197923	60.6556	60.66
	169 4-Chlorobenzotrifluoride	180	10.502	10.500	(1.006)	174822	59.1398	59.14
	170 2-Chlorobenzotrifluoride	180	11.347	11.345	(1.087)	174146	55.8874	55.89

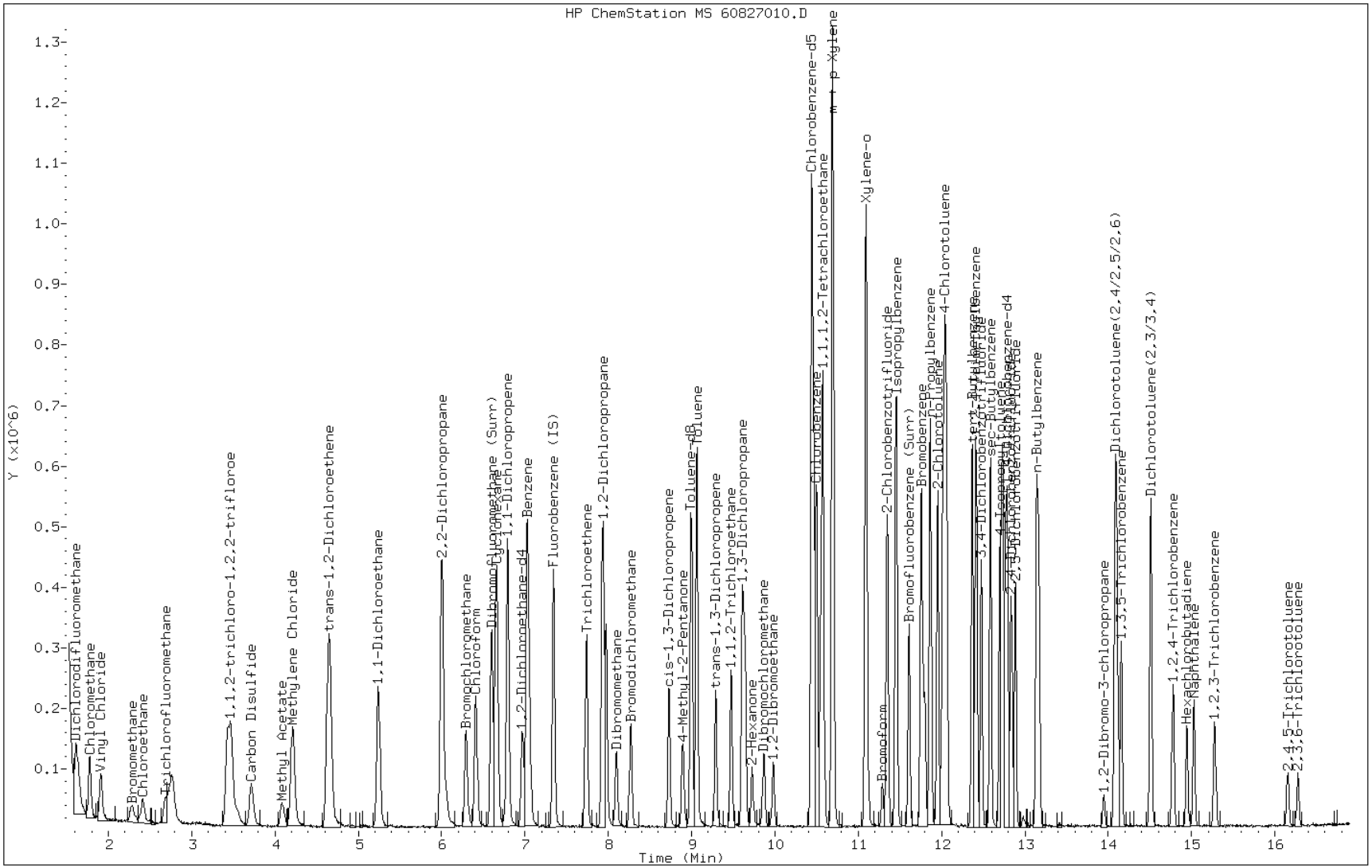
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
171 3-Chlorotoluene	126	12.010	12.015	(0.941)	114924	53.3019	53.30
172 3,4-Dichlorobenzotrifluoride	214	12.479	12.477	(0.978)	123278	57.4818	57.48
173 2,4-Dichlorobenzotrifluoride	214	12.838	12.836	(1.006)	98424	51.4166	51.42
174 2,5-Dichlorobenzotrifluoride	214	12.886	12.891	(1.010)	114581	53.0172	53.02
175 Dichlorotoluene(2,4/2,5/2,6)	125	14.085	14.089	(1.103)	368091	140.648	140.6
176 Dichlorotoluene(2,3/3,4)	125	14.511	14.509	(1.137)	238589	90.9575	90.96
177 2,4,5-Trichlorotoluene	159	16.159	16.157	(1.266)	24892	37.1370	37.14
178 2,3,6-Trichlorotoluene	159	16.275	16.273	(1.275)	21412	36.1302	36.13
11 Acrolein	56	Compound Not Detected.					
22 Acrylonitrile	53	Compound Not Detected.					
52 1,4-Dioxane	88	Compound Not Detected.					

Data File: 60827010.D

Date: 27-AUG-2012 13:32

Client ID: MSD | Instrument: hp6.i

Sample Info: 180-13569-A-2 MSD | Operator: 001562



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: HP6 Start Date: 07/23/2012 15:46

Analysis Batch Number: 42730 End Date: 07/24/2012 02:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 180-42730/1		07/23/2012 15:46	1	60723004.D	DB-624 0.18(mm)
IC 180-42730/2		07/23/2012 18:11	1	60723009.D	DB-624 0.18(mm)
IC 180-42730/3		07/23/2012 18:35	1	60723010.D	DB-624 0.18(mm)
ICIS 180-42730/4		07/23/2012 18:59	1	60723011.D	DB-624 0.18(mm)
IC 180-42730/5		07/23/2012 19:23	1	60723012.D	DB-624 0.18(mm)
IC 180-42730/6		07/23/2012 19:47	1	60723013.D	DB-624 0.18(mm)
IC 180-42730/7		07/23/2012 20:12	1	60723014.D	DB-624 0.18(mm)
IC 180-42730/8		07/23/2012 20:36	1	60723015.D	DB-624 0.18(mm)
ICV 180-42730/9		07/24/2012 02:29	1		DB-624 0.18(mm)

8260B

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: HP6 Start Date: 07/30/2012 04:07

Analysis Batch Number: 43277 End Date: 07/30/2012 11:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 180-43277/1		07/30/2012 04:07	1	60730005.D	DB-624 0.18(mm)
IC 180-43277/2		07/30/2012 06:55	1	60730007.D	DB-624 0.18(mm)
IC 180-43277/3		07/30/2012 07:19	1	60730008.D	DB-624 0.18(mm)
ICIS 180-43277/4		07/30/2012 07:43	1	60730009.D	DB-624 0.18(mm)
IC 180-43277/5		07/30/2012 08:08	1	60730010.D	DB-624 0.18(mm)
IC 180-43277/6		07/30/2012 08:32	1	60730011.D	DB-624 0.18(mm)
IC 180-43277/7		07/30/2012 08:56	1	60730012.D	DB-624 0.18(mm)
IC 180-43277/8		07/30/2012 09:20	1	60730013.D	DB-624 0.18(mm)
ICV 180-43277/9		07/30/2012 11:21	1		DB-624 0.18(mm)

8260B

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: HP6 Start Date: 08/27/2012 09:40

Analysis Batch Number: 46427 End Date: 08/27/2012 21:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 180-46427/1		08/27/2012 09:40	1	60827002.D	DB-624 0.18(mm)
CCVIS 180-46427/2		08/27/2012 10:13	1	60827003.D	DB-624 0.18(mm)
CCV 180-46427/3		08/27/2012 10:45	1	60827004.D	DB-624 0.18(mm)
MB 180-46427/4		08/27/2012 11:21	1	60827005.D	DB-624 0.18(mm)
ZZZZZ		08/27/2012 11:56	1		DB-624 0.18(mm)
ZZZZZ		08/27/2012 12:20	1		DB-624 0.18(mm)
LCS 180-46427/7		08/27/2012 12:44	1	60827008.D	DB-624 0.18(mm)
180-13569-A-2 MS		08/27/2012 13:08	1	60827009.D	DB-624 0.18(mm)
180-13569-A-2 MSD		08/27/2012 13:32	1	60827010.D	DB-624 0.18(mm)
ZZZZZ		08/27/2012 14:19	1		DB-624 0.18(mm)
180-13537-2	MW-101	08/27/2012 14:43	1	60827013.D	DB-624 0.18(mm)
180-13537-3	MW-107	08/27/2012 15:07	1	60827014.D	DB-624 0.18(mm)
180-13537-4	MW-113	08/27/2012 15:31	1	60827015.D	DB-624 0.18(mm)
180-13537-5	MW-110	08/27/2012 16:19	1	60827017.D	DB-624 0.18(mm)
180-13537-6	MW-102	08/27/2012 16:43	1	60827018.D	DB-624 0.18(mm)
180-13537-1	TRIP BLANK	08/27/2012 17:07	1	60827019.D	DB-624 0.18(mm)
ZZZZZ		08/27/2012 17:31	1		DB-624 0.18(mm)
ZZZZZ		08/27/2012 17:55	1		DB-624 0.18(mm)
ZZZZZ		08/27/2012 18:19	1		DB-624 0.18(mm)
ZZZZZ		08/27/2012 18:43	1		DB-624 0.18(mm)
ZZZZZ		08/27/2012 19:07	1		DB-624 0.18(mm)
ZZZZZ		08/27/2012 19:31	1		DB-624 0.18(mm)
ZZZZZ		08/27/2012 19:54	1		DB-624 0.18(mm)
ZZZZZ		08/27/2012 20:18	1		DB-624 0.18(mm)
ZZZZZ		08/27/2012 20:42	1		DB-624 0.18(mm)
ZZZZZ		08/27/2012 21:06	1		DB-624 0.18(mm)
ZZZZZ		08/27/2012 21:29	1		DB-624 0.18(mm)

8260B

Method 8270C

Semivolatile Organic Compounds (GC/MS) by Method 8270C

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Matrix: Water (TCLP) Level: Low

GC Column (1): Rxi-5SilMS ID: 0.32 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
IDW-1	180-13537-7	84	84	72	76	69	78
	MB 180-45791/1-A	82	82	76	73	68	75
	LCS 180-45791/2-A	87	86	77	77	72	75
	LCSD 180-45791/3-A	81	81	71	72	68	71

	QC LIMITS
2FP = 2-Fluorophenol	26-100
PHL = Phenol-d5	30-102
NBZ = Nitrobenzene-d5	37-104
FBP = 2-Fluorobiphenyl	35-108
TBP = 2,4,6-Tribromophenol	33-122
TPH = Terphenyl-d14	25-130

Column to be used to flag recovery values

FORM II 8270C

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Rxi-5SilMS ID: 0.32 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
MW-101	180-13537-2	65	62	64	61	55	64
MW-107	180-13537-3	54	52	55	52	48	63
MW-113	180-13537-4	49	48	49	48	44	63
MW-110	180-13537-5	50	49	49	49	43	56
MW-102	180-13537-6	57	55	54	52	51	57
	MB 180-45557/1-A	68	69	60	60	54	61
	LCS 180-45557/2-A	56	51	56	29	69	65
	LCSD 180-45557/3-A	55	50	55	29	68	68

	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.: 180-13537-1

SDG No.:

Matrix: Water Level: Low Lab File ID: V0824027.D

Lab ID: LCS 180-45791/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,4-Dichlorobenzene	250	187	75	32-94	
2,4,5-Trichlorophenol	250	184	74	31-111	
2,4,6-Trichlorophenol	250	185	74	34-110	
2,4-Dinitrotoluene	250	181	73	41-117	
2-Methylphenol	250	203	81	34-101	
Hexachlorobenzene	250	173	69	35-106	
Hexachlorobutadiene	250	187	75	30-103	
Hexachloroethane	250	187	75	27-94	
Nitrobenzene	250	192	77	37-103	
Pentachlorophenol	250	159	64	10-118	
Pyridine	250	213	85	30-101	
Methylphenol, 3 & 4	500	452	90	34-104	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Matrix: Water Level: Low Lab File ID: V0824028.D

Lab ID: LCSD 180-45791/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,4-Dichlorobenzene	250	174	70	7	33	32-94	
2,4,5-Trichlorophenol	250	176	71	4	32	31-111	
2,4,6-Trichlorophenol	250	171	69	8	35	34-110	
2,4-Dinitrotoluene	250	167	67	8	32	41-117	
2-Methylphenol	250	186	75	8	34	34-101	
Hexachlorobenzene	250	172	69	0	36	35-106	
Hexachlorobutadiene	250	175	70	7	41	30-103	
Hexachloroethane	250	176	70	6	43	27-94	
Nitrobenzene	250	180	72	6	34	37-103	
Pentachlorophenol	250	135	54	16	49	10-118	
Pyridine	250	198	79	7	40	30-101	
Methylphenol, 3 & 4	500	415	83	9	34	34-104	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Matrix: Water Level: Low Lab File ID: V0821016.D

Lab ID: LCS 180-45557/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acenaphthene	20.0	12.7	63	35-99	
Acenaphthylene	20.0	12.7	64	37-107	
Acetophenone	20.0	13.2	66	30-150	
Anthracene	20.0	13.2	66	35-105	
Atrazine	20.0	22.6	113	30-150	
Benzaldehyde	20.0	16.5	83	30-150	
Benzo[a]anthracene	20.0	13.0	65	38-101	
Benzo[b]fluoranthene	20.0	12.2	61	29-98	
Benzo[k]fluoranthene	20.0	13.1	65	28-107	
Benzo[g,h,i]perylene	20.0	13.7	69	20-115	
Benzo[a]pyrene	20.0	14.6	73	26-108	
Bis(2-chloroethoxy)methane	20.0	12.6	63	33-98	
Bis(2-chloroethyl)ether	20.0	12.5	63	33-95	
Bis(2-ethylhexyl) phthalate	20.0	13.1	65	20-116	
Butyl benzyl phthalate	20.0	13.7	68	36-108	
1,1'-Biphenyl	20.0	7.91	40	30-150	
Caprolactam	20.0	6.65	33	30-150	
Carbazole	20.0	14.1	71	29-112	
Chrysene	20.0	13.1	66	37-99	
2-Chloronaphthalene	20.0	13.5	67	34-96	
2-Chlorophenol	20.0	12.5	63	31-99	
2,4-Dichlorophenol	20.0	13.1	66	34-104	
2,4-Dimethylphenol	20.0	12.1	61	33-97	
2,4-Dinitrophenol	20.0	10.4	52	10-130	
2,4-Dinitrotoluene	20.0	14.5	73	37-115	
2,6-Dinitrotoluene	20.0	14.6	73	39-113	
2-Methylnaphthalene	20.0	12.7	64	34-98	
2-Methylphenol	20.0	12.2	61	33-98	
2-Nitroaniline	20.0	12.7	64	29-112	
2-Nitrophenol	20.0	13.2	66	34-107	
2,2'-oxybis[1-chloropropane]	20.0	9.29	46	30-99	
2,4,5-Trichlorophenol	20.0	13.7	68	34-104	
2,4,6-Trichlorophenol	20.0	13.4	67	36-103	
4-Nitroaniline	20.0	14.2	71	20-124	
4-Nitrophenol	20.0	9.51	48	29-115	
4-Chlorophenyl phenyl ether	20.0	13.9	70	34-103	
Methylphenol, 3 & 4	20.0	12.2	61	32-100	
4,6-Dinitro-2-methylphenol	20.0	13.1	65	24-124	
4-Chloroaniline	20.0	10.9	55	10-99	
4-Chloro-3-methylphenol	20.0	12.3	62	35-104	
4-Bromophenyl phenyl ether	20.0	13.4	67	37-104	
Dibenz(a,h)anthracene	20.0	13.6	68	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.: 180-13537-1

SDG No.:

Matrix: Water Level: Low Lab File ID: V0821016.D

Lab ID: LCS 180-45557/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dibenzofuran	20.0	13.6	68	34-101	
Di-n-butyl phthalate	20.0	14.4	72	37-111	
Diethyl phthalate	20.0	14.4	72	36-109	
Dimethyl phthalate	20.0	13.8	69	37-106	
Di-n-octyl phthalate	20.0	13.5	68	11-127	
3,3'-Dichlorobenzidine	20.0	13.2	66	10-89	
3-Nitroaniline	20.0	13.2	66	11-104	
Fluoranthene	20.0	13.9	69	32-112	
Fluorene	20.0	13.2	66	34-104	
Hexachlorobenzene	20.0	13.4	67	35-102	
Hexachlorobutadiene	20.0	9.92	50	35-100	
Hexachlorocyclopentadiene	20.0	3.03	15	36-115	*
Hexachloroethane	20.0	8.85	44	32-94	
Indeno[1,2,3-cd]pyrene	20.0	13.5	68	22-115	
Isophorone	20.0	12.6	63	38-102	
Naphthalene	20.0	11.9	59	35-97	
Nitrobenzene	20.0	12.3	62	37-100	
N-Nitrosodiphenylamine	20.0	13.7	69	32-102	
N-Nitrosodi-n-propylamine	20.0	12.3	62	34-101	
Pyrene	20.0	12.2	61	35-106	
Phenol	20.0	9.03	45	32-95	
Phenanthrene	20.0	12.3	61	32-104	
Pentachlorophenol	20.0	7.81	39	15-111	
1,4-Dioxane	20.0	8.83	44	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.: 180-13537-1

SDG No.:

Matrix: Water Level: Low Lab File ID: V0821017.D

Lab ID: LCSD 180-45557/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	20.0	12.5	62	1	41	35-99	
Acenaphthylene	20.0	12.5	62	2	40	37-107	
Acetophenone	20.0	12.8	64	3	35	30-150	
Anthracene	20.0	12.7	64	3	37	35-105	
Atrazine	20.0	21.5	108	5	35	30-150	
Benzaldehyde	20.0	15.5	78	6	35	30-150	
Benzo[a]anthracene	20.0	13.0	65	0	36	38-101	
Benzo[b]fluoranthene	20.0	11.4	57	7	46	29-98	
Benzo[k]fluoranthene	20.0	13.7	68	4	31	28-107	
Benzo[g,h,i]perylene	20.0	13.5	68	1	44	20-115	
Benzo[a]pyrene	20.0	14.5	73	0	40	26-108	
Bis(2-chloroethoxy)methane	20.0	12.4	62	1	46	33-98	
Bis(2-chloroethyl)ether	20.0	12.1	61	3	38	33-95	
Bis(2-ethylhexyl) phthalate	20.0	13.3	66	1	40	20-116	
Butyl benzyl phthalate	20.0	13.6	68	0	40	36-108	
1,1'-Biphenyl	20.0	7.87	39	1	35	30-150	
Caprolactam	20.0	6.87	34	3	35	30-150	
Carbazole	20.0	14.2	71	0	35	29-112	
Chrysene	20.0	13.8	69	5	42	37-99	
2-Chloronaphthalene	20.0	13.3	67	1	39	34-96	
2-Chlorophenol	20.0	12.2	61	3	39	31-99	
2,4-Dichlorophenol	20.0	12.8	64	2	41	34-104	
2,4-Dimethylphenol	20.0	11.9	59	2	40	33-97	
2,4-Dinitrophenol	20.0	9.51	48	9	53	10-130	
2,4-Dinitrotoluene	20.0	14.7	74	1	39	37-115	
2,6-Dinitrotoluene	20.0	14.3	72	2	40	39-113	
2-Methylnaphthalene	20.0	12.3	62	4	42	34-98	
2-Methylphenol	20.0	11.7	59	4	38	33-98	
2-Nitroaniline	20.0	12.6	63	1	65	29-112	
2-Nitrophenol	20.0	13.0	65	1	41	34-107	
2,2'-oxybis[1-chloropropane]	20.0	10.0	50	8	42	30-99	
2,4,5-Trichlorophenol	20.0	13.6	68	1	39	34-104	
2,4,6-Trichlorophenol	20.0	13.2	66	1	39	36-103	
4-Nitroaniline	20.0	14.2	71	1	45	20-124	
4-Nitrophenol	20.0	9.59	48	1	42	29-115	
4-Chlorophenyl phenyl ether	20.0	13.9	70	0	38	34-103	
Methylphenol, 3 & 4	20.0	11.9	59	2	41	32-100	
4,6-Dinitro-2-methylphenol	20.0	12.8	64	2	41	24-124	
4-Chloroaniline	20.0	10.4	52	5	39	10-99	
4-Chloro-3-methylphenol	20.0	11.9	60	3	42	35-104	
4-Bromophenyl phenyl ether	20.0	13.0	65	3	40	37-104	
Dibenz(a,h)anthracene	20.0	13.6	68	0	44	19-118	

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Matrix: Water Level: Low Lab File ID: V0821017.D

Lab ID: LCSD 180-45557/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Dibenzofuran	20.0	13.4	67	2	39	34-101	
Di-n-butyl phthalate	20.0	14.3	71	1	38	37-111	
Diethyl phthalate	20.0	14.0	70	3	39	36-109	
Dimethyl phthalate	20.0	14.0	70	1	42	37-106	
Di-n-octyl phthalate	20.0	13.7	69	1	44	11-127	
3,3'-Dichlorobenzidine	20.0	13.1	66	0	56	10-89	
3-Nitroaniline	20.0	13.4	67	1	48	11-104	
Fluoranthene	20.0	13.6	68	2	39	32-112	
Fluorene	20.0	13.1	65	0	40	34-104	
Hexachlorobenzene	20.0	13.3	67	1	35	35-102	
Hexachlorobutadiene	20.0	9.82	49	1	41	35-100	
Hexachlorocyclopentadiene	20.0	2.99	15	1	47	36-115	*
Hexachloroethane	20.0	8.73	44	1	39	32-94	
Indeno[1,2,3-cd]pyrene	20.0	13.5	67	0	54	22-115	
Isophorone	20.0	13.0	65	3	43	38-102	
Naphthalene	20.0	11.6	58	3	43	35-97	
Nitrobenzene	20.0	12.1	60	2	42	37-100	
N-Nitrosodiphenylamine	20.0	13.6	68	1	36	32-102	
N-Nitrosodi-n-propylamine	20.0	11.7	59	5	43	34-101	
Pyrene	20.0	12.1	61	1	42	35-106	
Phenol	20.0	8.86	44	2	39	32-95	
Phenanthrene	20.0	12.1	61	1	36	32-104	
Pentachlorophenol	20.0	7.74	39	1	42	15-111	
1,4-Dioxane	20.0	8.60	43	3	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.: 180-13537-1

SDG No.:

Lab File ID: V0824026.D Lab Sample ID: MB 180-45791/1-A

Matrix: Water Date Extracted: 08/21/2012 14:30

Instrument ID: 731 Date Analyzed: 08/24/2012 18:34

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 180-45791/2-A	V0824027.D	08/24/2012 18:58
	LCSD 180-45791/3-A	V0824028.D	08/24/2012 19:23
IDW-1	180-13537-7	V0825010.D	08/25/2012 18:28

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab File ID: V0821015.D Lab Sample ID: MB 180-45557/1-A

Matrix: Water Date Extracted: 08/20/2012 10:22

Instrument ID: 731 Date Analyzed: 08/21/2012 16:15

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 180-45557/2-A	V0821016.D	08/21/2012 18:16
	LCSD 180-45557/3-A	V0821017.D	08/21/2012 18:41
MW-101	180-13537-2	V0821018.D	08/21/2012 23:30
MW-107	180-13537-3	V0821019.D	08/21/2012 23:55
MW-113	180-13537-4	V0821020.D	08/22/2012 00:19
MW-110	180-13537-5	V0821021.D	08/22/2012 00:43
MW-102	180-13537-6	V0821022.D	08/22/2012 01:07

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

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab File ID: V0813DF1.D DFTPP Injection Date: 08/13/2012

Instrument ID: 731 DFTPP Injection Time: 09:36

Analysis Batch No.: 44802

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	37.9	
68	Less than 2.0 % of mass 69	0.2	(0.5)1
69	Mass 69 relative abundance	40.4	
70	Less than 2.0 % of mass 69	0.2	(0.5)1
127	40.0 - 60.0 % of mass 198	47.5	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.8	
275	10.0 - 30.0 % of mass 198	21.7	
365	Greater than 1.0 % of mass 198	2.1	
441	Present but less than mass 443	9.5	(70.4)1
442	Greater than 40.0 % of mass 198	67.8	
443	17.0 - 23.0 % of mass 442	13.5	(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
	IC 180-44802/2	V0813IC1.D	08/13/2012	09:53
	IC 180-44802/3	V0813IC2.D	08/13/2012	10:16
	ICIS 180-44802/4	V0813IC3.D	08/13/2012	10:39
	IC 180-44802/5	V0813IC4.D	08/13/2012	11:02
	IC 180-44802/6	V0813IC5.D	08/13/2012	11:25
	IC 180-44802/7	V0813IC6.D	08/13/2012	11:48
	IC 180-44802/8	V0813IC7.D	08/13/2012	12:12
	IC 180-44802/9	V0813IC8.D	08/13/2012	12:35

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

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab File ID: V0821DF1.D DFTPP Injection Date: 08/21/2012

Instrument ID: 731 DFTPP Injection Time: 14:46

Analysis Batch No.: 45848

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	36.3	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	37.9	
70	Less than 2.0 % of mass 69	0.0	(0.0)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	6.6	
275	10.0 - 30.0 % of mass 198	20.4	
365	Greater than 1.0 % of mass 198	1.9	
441	Present but less than mass 443	8.9	(73.1)1
442	Greater than 40.0 % of mass 198	62.0	
443	17.0 - 23.0 % of mass 442	12.2	(19.6)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 180-45848/30	V08210CC.D	08/21/2012	15:03
	MB 180-45557/1-A	V0821015.D	08/21/2012	16:15
	LCS 180-45557/2-A	V0821016.D	08/21/2012	18:16
	LCSD 180-45557/3-A	V0821017.D	08/21/2012	18:41
MW-101	180-13537-2	V0821018.D	08/21/2012	23:30
MW-107	180-13537-3	V0821019.D	08/21/2012	23:55
MW-113	180-13537-4	V0821020.D	08/22/2012	00:19
MW-110	180-13537-5	V0821021.D	08/22/2012	00:43
MW-102	180-13537-6	V0821022.D	08/22/2012	01:07

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

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab File ID: V0824DF1.D DFTPP Injection Date: 08/24/2012

Instrument ID: 731 DFTPP Injection Time: 15:45

Analysis Batch No.: 46317

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	34.4	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	37.2	
70	Less than 2.0 % of mass 69	0.2	(0.5)1
127	40.0 - 60.0 % of mass 198	46.1	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.3	
275	10.0 - 30.0 % of mass 198	21.7	
365	Greater than 1.0 % of mass 198	2.0	
441	Present but less than mass 443	8.4	(70.5)1
442	Greater than 40.0 % of mass 198	59.2	
443	17.0 - 23.0 % of mass 442	11.9	(20.1)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 180-46317/24	V08240CC.D	08/24/2012	16:06
	MB 180-45791/1-A	V0824026.D	08/24/2012	18:34
	LCS 180-45791/2-A	V0824027.D	08/24/2012	18:58
	LCSD 180-45791/3-A	V0824028.D	08/24/2012	19:23

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

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab File ID: V0825DF1.D DFTPP Injection Date: 08/25/2012

Instrument ID: 731 DFTPP Injection Time: 14:09

Analysis Batch No.: 46366

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	35.0	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	38.3	
70	Less than 2.0 % of mass 69	0.0	(0.0)1
127	40.0 - 60.0 % of mass 198	46.1	
197	Less than 1.0 % of mass 198	0.2	
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	21.1	
365	Greater than 1.0 % of mass 198	1.8	
441	Present but less than mass 443	8.1	(67.4)1
442	Greater than 40.0 % of mass 198	59.5	
443	17.0 - 23.0 % of mass 442	12.0	(20.2)2

1-Value is % mass 69 2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 180-46366/12	V08250CC.D	08/25/2012	14:27
IDW-1	180-13537-7	V0825010.D	08/25/2012	18:28

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

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Sample No.: CCVIS 180-46317/24 Date Analyzed: 08/24/2012 16:06

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

Lab File ID (Standard): V08240CC.D Heated Purge: (Y/N) N

Calibration ID: 6233

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		102855	4.60	468680	5.57	299875	6.92
UPPER LIMIT		205710	5.10	937360	6.07	599750	7.42
LOWER LIMIT		51428	4.10	234340	5.07	149938	6.42
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 180-45791/1-A		87927	4.59	392470	5.56	259896	6.91
LCS 180-45791/2-A		85907	4.59	390505	5.56	257512	6.91
LCSD 180-45791/3-A		94265	4.59	428597	5.56	278167	6.91

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

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

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Sample No.: CCVIS 180-46317/24 Date Analyzed: 08/24/2012 16:06

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

Lab File ID (Standard): V08240CC.D Heated Purge: (Y/N) N

Calibration ID: 6233

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		588311	8.07	682697	10.15	729753	11.60
UPPER LIMIT		1176622	8.57	1365394	10.65	1459506	12.10
LOWER LIMIT		294156	7.57	341349	9.65	364877	11.10
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 180-45791/1-A		495457	8.05	549398	10.14	579893	11.59
LCS 180-45791/2-A		486348	8.05	555374	10.13	584151	11.57
LCSD 180-45791/3-A		535173	8.06	611805	10.14	638508	11.59

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

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

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Sample No.: CCVIS 180-46366/12 Date Analyzed: 08/25/2012 14:27

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

Lab File ID (Standard): V08250CC.D Heated Purge: (Y/N) N

Calibration ID: 6233

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		141472	4.57	618531	5.54	377197	6.90
UPPER LIMIT		282944	5.07	1237062	6.04	754394	7.40
LOWER LIMIT		70736	4.07	309266	5.04	188599	6.40
LAB SAMPLE ID	CLIENT SAMPLE ID						
180-13537-7	IDW-1	145520	4.56	673637	5.53	408650	6.88

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

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

Column used to flag values outside QC limits

FORM VIII 8270C

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

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Sample No.: CCVIS 180-46366/12 Date Analyzed: 08/25/2012 14:27

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

Lab File ID (Standard): V08250CC.D Heated Purge: (Y/N) N

Calibration ID: 6233

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		652697	8.04	604513	10.10	599310	11.53
UPPER LIMIT		1305394	8.54	1209026	10.60	1198620	12.03
LOWER LIMIT		326349	7.54	302257	9.60	299655	11.03
LAB SAMPLE ID	CLIENT SAMPLE ID						
180-13537-7	IDW-1	687346	8.02	626496	10.08	597432	11.49

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

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

Column used to flag values outside QC limits

FORM VIII 8270C

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

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Sample No.: CCVIS 180-45848/30 Date Analyzed: 08/21/2012 15:03

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

Lab File ID (Standard): V08210CC.D Heated Purge: (Y/N) N

Calibration ID: 6233

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		169610	4.57	770059	5.54	468778	6.89
UPPER LIMIT		339220	5.07	1540118	6.04	937556	7.39
LOWER LIMIT		84805	4.07	385030	5.04	234389	6.39
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 180-45557/1-A		147442	4.57	706104	5.54	439936	6.89
LCS 180-45557/2-A		137665	4.57	629541	5.54	393129	6.89
LCSD 180-45557/3-A		137551	4.58	623403	5.55	382778	6.90
180-13537-2	MW-101	124552	4.58	565819	5.55	362936	6.90
180-13537-3	MW-107	132963	4.58	577520	5.55	374640	6.90
180-13537-4	MW-113	130979	4.58	590116	5.56	376618	6.90
180-13537-5	MW-110	130454	4.58	600579	5.55	372953	6.89
180-13537-6	MW-102	127782	4.58	583688	5.55	375462	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.: 180-13537-1

SDG No.:

Sample No.: CCVIS 180-45848/30 Date Analyzed: 08/21/2012 15:03

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

Lab File ID (Standard): V08210CC.D Heated Purge: (Y/N) N

Calibration ID: 6233

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		818843	8.04	825611	10.14	892148	11.58
UPPER LIMIT		1637686	8.54	1651222	10.64	1784296	12.08
LOWER LIMIT		409422	7.54	412806	9.64	446074	11.08
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 180-45557/1-A		792525	8.03	746307	10.15	768275	11.60
LCS 180-45557/2-A		715168	8.04	749944	10.13	812516	11.56
LCSD 180-45557/3-A		704607	8.04	747997	10.14	807463	11.59
180-13537-2	MW-101	644743	8.04	704438	10.13	750271	11.57
180-13537-3	MW-107	668904	8.04	721901	10.12	778750	11.56
180-13537-4	MW-113	671877	8.05	700462	10.13	738656	11.57
180-13537-5	MW-110	677129	8.04	729350	10.12	786007	11.55
180-13537-6	MW-102	677588	8.05	723381	10.13	789292	11.57

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.: 180-13537-1

SDG No.:

Client Sample ID: MW-101 | Lab Sample ID: 180-13537-2

Matrix: Water | Lab File ID: V0821018.D

Analysis Method: 8270C LL | Date Collected: 08/16/2012 08:15

Extract. Method: 3520C | Date Extracted: 08/20/2012 10:22

Sample wt/vol: 1040(mL) | Date Analyzed: 08/21/2012 23:30

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.: 45848 | 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.: 180-13537-1

SDG No.:

Client Sample ID: MW-101 | Lab Sample ID: 180-13537-2

Matrix: Water | Lab File ID: V0821018.D

Analysis Method: 8270C LL | Date Collected: 08/16/2012 08:15

Extract. Method: 3520C | Date Extracted: 08/20/2012 10:22

Sample wt/vol: 1040(mL) | Date Analyzed: 08/21/2012 23:30

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.: 45848 | 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.: 180-13537-1

SDG No.:

Client Sample ID: MW-101 | Lab Sample ID: 180-13537-2

Matrix: Water | Lab File ID: V0821018.D

Analysis Method: 8270C LL | Date Collected: 08/16/2012 08:15

Extract. Method: 3520C | Date Extracted: 08/20/2012 10:22

Sample wt/vol: 1040(mL) | Date Analyzed: 08/21/2012 23:30

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.: 45848 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	55		16-122
321-60-8	2-Fluorobiphenyl	61		19-107
367-12-4	2-Fluorophenol	65		10-111
4165-60-0	Nitrobenzene-d5	64		23-112
4165-62-2	Phenol-d5	62		15-112
1718-51-0	Terphenyl-d14	64		10-132

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV082112.b\V0821018.D
Lab Smp Id: 180-13537-F-2-A Client Smp ID: MW-101
Inj Date : 21-AUG-2012 23:30
Operator : 003200 Inst ID: 731.i
Smp Info : 180-13537-F-2-A
Misc Info : 180-13537-F-2-A
Comment :
Method : \\PITSVR06\D\chem\731.i\TV082112.b\T8270ll.m
Meth Date : 22-Aug-2012 01:41 piccolinov Quant Type: ISTD
Cal Date : 13-AUG-2012 12:35 Cal File: V0813IC8.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: padepi.sub
Target Version: 4.14
Processing Host: PITPC-502

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 1 1,4-Dichlorobenzene-d4	152	4.580	4.573	(1.000)	124552	8.00000	
* 2 Naphthalene-d8	136	5.547	5.540	(1.000)	565819	8.00000	
* 3 Acenaphthene-d10	164	6.898	6.892	(1.000)	362936	8.00000	
* 4 Phenanthrene-d10	188	8.042	8.035	(1.000)	644743	8.00000	
* 5 Chrysene-d12	240	10.130	10.140	(1.000)	704438	8.00000	
* 6 Perylene-d12	264	11.573	11.582	(1.000)	750271	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	9.639	9.643	(0.951)	7326	0.15685	0.15685
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					

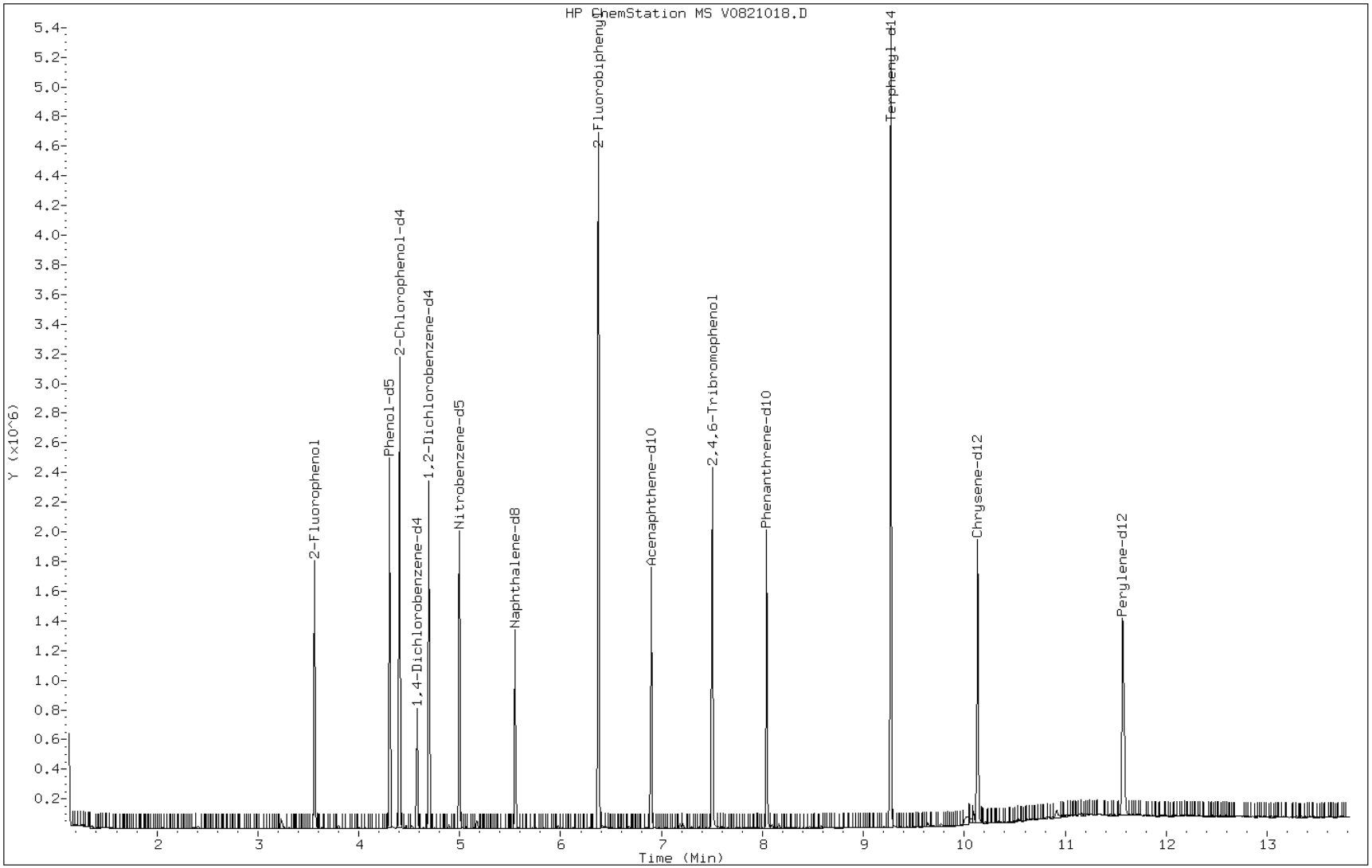
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
136 Benzo(a)Anthracene	228	Compound Not Detected.					
137 Chrysene	228	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	10.093	10.102	(0.996)	21462	0.31905	0.31905
140 Di-n-octylphthalate	149	Compound 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	4.997	4.990	(0.901)	512947	25.5895	25.589
$ 155 2-Fluorobiphenyl	172	6.375	6.368	(0.924)	1335625	24.3467	24.347
$ 156 Terphenyl-d14	244	9.270	9.264	(0.915)	1725573	25.4069	25.407
$ 157 Phenol-d5	99	4.308	4.301	(0.941)	746296	37.4484	37.448
$ 158 2-Fluorophenol	112	3.560	3.558	(0.777)	557772	38.9411	38.941
$ 159 2,4,6-Tribromophenol	330	7.502	7.495	(0.933)	230733	33.1226	33.123
$ 186 2-Chlorophenol-d4	132	4.404	4.397	(0.962)	807452	39.8867	39.887
$ 187 1,2-Dichlorobenzene-d4	152	4.697	4.691	(1.026)	356112	24.0919	24.092

Data File: V0821018.D

Date: 21-AUG-2012 23:30

Client ID: MW-101 Instrument: 731.i

Sample Info: 180-13537-F-2-A Operator: 003200



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-13537-1

SDG No.:

Client Sample ID: MW-107 | Lab Sample ID: 180-13537-3

Matrix: Water | Lab File ID: V0821019.D

Analysis Method: 8270C LL | Date Collected: 08/16/2012 09:00

Extract. Method: 3520C | Date Extracted: 08/20/2012 10:22

Sample wt/vol: 1020(mL) | Date Analyzed: 08/21/2012 23:55

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 45848 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		0.20	0.014
208-96-8	Acenaphthylene	ND		0.20	0.015
98-86-2	Acetophenone	ND		0.98	0.078
120-12-7	Anthracene	ND		0.20	0.15
1912-24-9	Atrazine	ND		0.98	0.087
100-52-7	Benzaldehyde	ND		0.98	0.15
56-55-3	Benzo[a]anthracene	1.1		0.20	0.014
205-99-2	Benzo[b]fluoranthene	1.1		0.20	0.015
207-08-9	Benzo[k]fluoranthene	1.2		0.20	0.054
191-24-2	Benzo[g,h,i]perylene	1.3		0.20	0.015
50-32-8	Benzo[a]pyrene	0.80		0.20	0.013
111-91-1	Bis(2-chloroethoxy)methane	ND		0.98	0.057
111-44-4	Bis(2-chloroethyl)ether	ND		0.20	0.025
117-81-7	Bis(2-ethylhexyl) phthalate	1.2	J	2.0	1.2
85-68-7	Butyl benzyl phthalate	0.37	J	0.98	0.14
92-52-4	1,1'-Biphenyl	ND		0.98	0.041
105-60-2	Caprolactam	ND		4.9	1.2
86-74-8	Carbazole	ND		0.20	0.015
218-01-9	Chrysene	1.2		0.20	0.014
91-58-7	2-Chloronaphthalene	ND		0.20	0.015
95-57-8	2-Chlorophenol	ND		0.98	0.16
120-83-2	2,4-Dichlorophenol	ND		0.20	0.033
105-67-9	2,4-Dimethylphenol	ND		0.98	0.084
51-28-5	2,4-Dinitrophenol	ND		4.9	0.60
121-14-2	2,4-Dinitrotoluene	ND		0.98	0.053
606-20-2	2,6-Dinitrotoluene	ND		0.98	0.078
91-57-6	2-Methylnaphthalene	ND		0.20	0.012
95-48-7	2-Methylphenol	ND		0.98	0.085
88-74-4	2-Nitroaniline	ND		4.9	0.34
88-75-5	2-Nitrophenol	ND		0.98	0.17
108-60-1	2,2'-oxybis[1-chloropropane]	ND		0.20	0.019
95-95-4	2,4,5-Trichlorophenol	ND		0.98	0.15
88-06-2	2,4,6-Trichlorophenol	ND		0.98	0.17
100-01-6	4-Nitroaniline	ND		4.9	0.17

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-13537-1

SDG No.:

Client Sample ID: MW-107 | Lab Sample ID: 180-13537-3

Matrix: Water | Lab File ID: V0821019.D

Analysis Method: 8270C LL | Date Collected: 08/16/2012 09:00

Extract. Method: 3520C | Date Extracted: 08/20/2012 10:22

Sample wt/vol: 1020(mL) | Date Analyzed: 08/21/2012 23:55

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 45848 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	ND		4.9	0.63
7005-72-3	4-Chlorophenyl phenyl ether	ND		0.98	0.049
106-44-5	Methylphenol, 3 & 4	ND		0.98	0.088
534-52-1	4,6-Dinitro-2-methylphenol	ND		4.9	0.22
106-47-8	4-Chloroaniline	ND		0.98	0.087
59-50-7	4-Chloro-3-methylphenol	ND		0.98	0.074
101-55-3	4-Bromophenyl phenyl ether	ND		0.98	0.062
53-70-3	Dibenz(a,h)anthracene	1.2		0.20	0.015
132-64-9	Dibenzofuran	ND		0.98	0.060
84-74-2	Di-n-butyl phthalate	ND		0.98	0.12
84-66-2	Diethyl phthalate	ND		0.98	0.14
131-11-3	Dimethyl phthalate	ND		0.98	0.075
117-84-0	Di-n-octyl phthalate	1.1		0.98	0.20
91-94-1	3,3'-Dichlorobenzidine	ND		0.98	0.11
99-09-2	3-Nitroaniline	ND		4.9	0.32
206-44-0	Fluoranthene	0.54		0.20	0.016
86-73-7	Fluorene	ND		0.20	0.021
118-74-1	Hexachlorobenzene	0.10	J	0.20	0.018
87-68-3	Hexachlorobutadiene	0.092	J	0.20	0.016
77-47-4	Hexachlorocyclopentadiene	ND	*	0.98	0.051
67-72-1	Hexachloroethane	ND		0.98	0.062
193-39-5	Indeno[1,2,3-cd]pyrene	1.2		0.20	0.020
78-59-1	Isophorone	ND		0.98	0.063
91-20-3	Naphthalene	ND		0.20	0.014
98-95-3	Nitrobenzene	ND		2.0	0.083
86-30-6	N-Nitrosodiphenylamine	ND		0.98	0.084
621-64-7	N-Nitrosodi-n-propylamine	ND		0.20	0.030
129-00-0	Pyrene	0.45		0.20	0.015
108-95-2	Phenol	ND		0.20	0.057
85-01-8	Phenanthrene	ND		0.20	0.042
87-86-5	Pentachlorophenol	ND		0.98	0.065
123-91-1	1,4-Dioxane	ND		2.0	0.14

FORM I

GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-13537-1

SDG No.:

Client Sample ID: MW-107 | Lab Sample ID: 180-13537-3

Matrix: Water | Lab File ID: V0821019.D

Analysis Method: 8270C LL | Date Collected: 08/16/2012 09:00

Extract. Method: 3520C | Date Extracted: 08/20/2012 10:22

Sample wt/vol: 1020(mL) | Date Analyzed: 08/21/2012 23:55

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 45848 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	48		16-122
321-60-8	2-Fluorobiphenyl	52		19-107
367-12-4	2-Fluorophenol	54		10-111
4165-60-0	Nitrobenzene-d5	55		23-112
4165-62-2	Phenol-d5	52		15-112
1718-51-0	Terphenyl-d14	63		10-132

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV082112.b\V0821019.D
Lab Smp Id: 180-13537-C-3-A Client Smp ID: MW-107
Inj Date : 21-AUG-2012 23:55
Operator : 003200 Inst ID: 731.i
Smp Info : 180-13537-C-3-A
Misc Info : 180-13537-C-3-A
Comment :
Method : \\PITSVR06\D\chem\731.i\TV082112.b\T8270ll.m
Meth Date : 22-Aug-2012 01:41 piccolinov Quant Type: ISTD
Cal Date : 13-AUG-2012 12:35 Cal File: V0813IC8.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: padepi.sub
Target Version: 4.14
Processing Host: PITPC-502

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 1 1,4-Dichlorobenzene-d4	152	4.577	4.573	(1.000)	132963	8.00000	
* 2 Naphthalene-d8	136	5.549	5.540	(1.000)	577520	8.00000	
* 3 Acenaphthene-d10	164	6.895	6.892	(1.000)	374640	8.00000	
* 4 Phenanthrene-d10	188	8.039	8.035	(1.000)	668904	8.00000	
* 5 Chrysene-d12	240	10.122	10.140	(1.000)	721901	8.00000	
* 6 Perylene-d12	264	11.564	11.582	(1.000)	778750	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	225	5.667	5.663	(1.021)	2528	0.18869	0.18869
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	7.211	7.207	(1.046)	6274	0.11226	0.11226
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	284	7.750	7.741	(0.964)	3628	0.20479	0.20479
210 Atrazine	200	Compound Not Detected.					
111 Pentachlorophenol	265	Compound Not Detected.					
115 Phenanthrene	178	8.060	8.051	(1.003)	7851	0.08061	0.080610
116 Anthracene	178	8.097	8.088	(1.007)	14993	0.15415	0.15415
119 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	8.466	8.457	(1.053)	22961	0.22852	0.22852
123 Fluoranthene	202	8.979	8.975	(1.117)	105954	1.09467	1.0947
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	9.160	9.162	(0.905)	108382	0.91629	0.91629
131 Butylbenzylphthalate	149	9.636	9.643	(0.952)	36334	0.75910	0.75910
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					

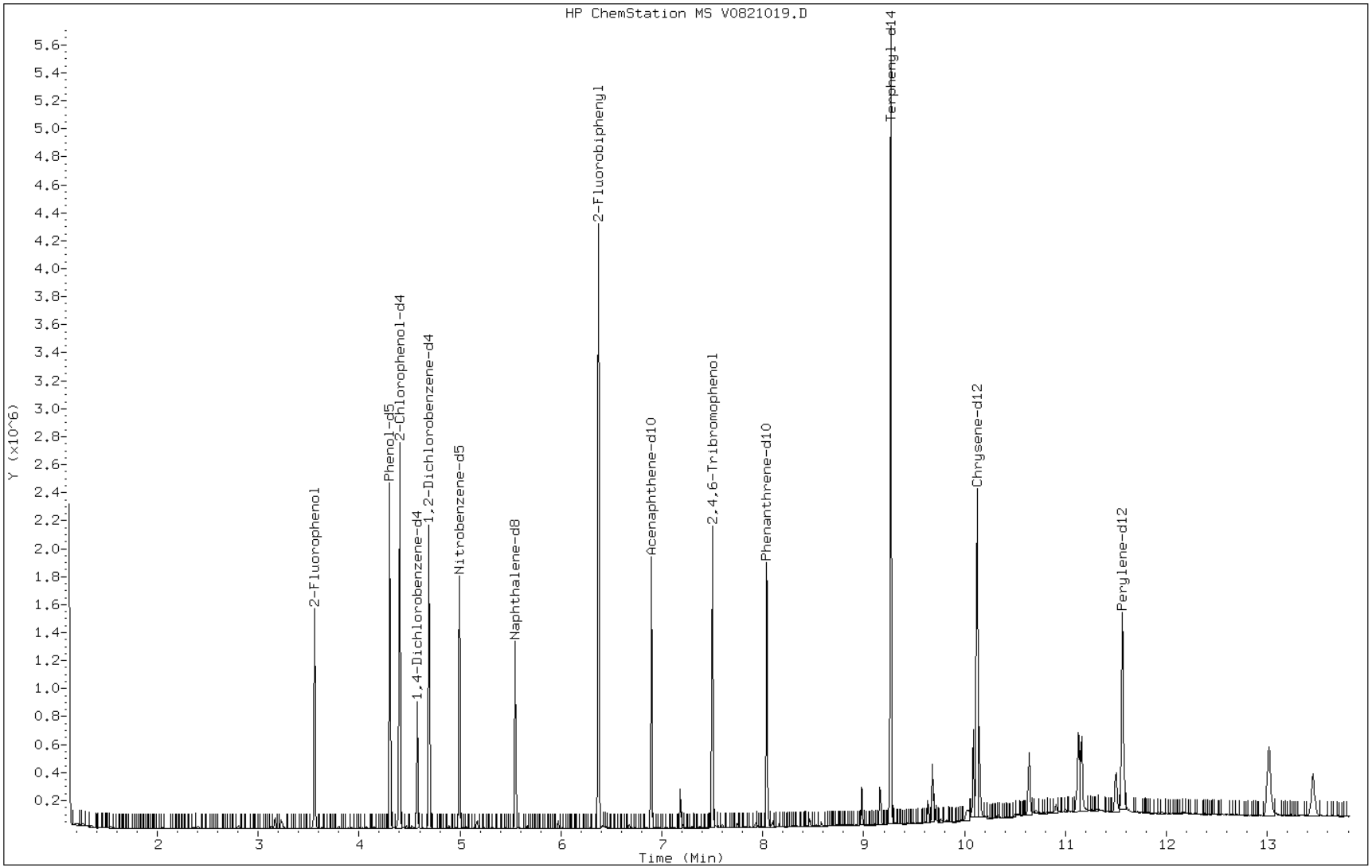
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
136 Benzo(a)Anthracene	228	10.117	10.134	(0.999)	232882	2.24567	2.2457
137 Chrysene	228	10.143	10.166	(1.002)	235248	2.36475	2.3647
139 bis(2-ethylhexyl)Phthalate	149	10.085	10.102	(0.996)	169068	2.45254	2.4525
140 Di-n-octylphthalate	149	10.640	10.663	(0.920)	281633	2.17743	2.1774
141 Benzo(b)fluoranthene	252	11.132	11.155	(0.963)	292584	2.22878	2.2288
142 Benzo(k)fluoranthene	252	11.158	11.181	(0.965)	311301	2.48645	2.4864
143 7,12-dimethylbenz[a]anthracen	256	11.116	11.139	(0.961)	30607	0.59216	0.59216
146 Benzo(a)pyrene	252	11.500	11.523	(0.994)	155671	1.63024	1.6302
149 Indeno(1,2,3-cd)pyrene	276	13.007	13.024	(1.125)	278607	2.51873	2.5187
150 Dibenz(a,h)anthracene	278	13.023	13.035	(1.126)	226097	2.45244	2.4524
151 Benzo(g,h,i)perylene	276	13.450	13.457	(1.163)	254562	2.72640	2.7264
$ 154 Nitrobenzene-d5	82	4.994	4.990	(0.900)	450987	22.0426	22.043
$ 155 2-Fluorobiphenyl	172	6.372	6.368	(0.924)	1176499	20.7761	20.776
$ 156 Terphenyl-d14	244	9.267	9.264	(0.916)	1745013	25.0716	25.072
$ 157 Phenol-d5	99	4.304	4.301	(0.940)	667953	31.3970	31.397
$ 158 2-Fluorophenol	112	3.562	3.558	(0.778)	499984	32.6985	32.698
$ 159 2,4,6-Tribromophenol	330	7.504	7.495	(0.934)	206827	28.6184	28.618
$ 186 2-Chlorophenol-d4	132	4.401	4.397	(0.961)	724843	33.5409	33.541
$ 187 1,2-Dichlorobenzene-d4	152	4.694	4.691	(1.026)	327426	20.7500	20.750

Data File: V0821019.D

Date: 21-AUG-2012 23:55

Client ID: MW-107 Instrument: 731.i

Sample Info: 180-13537-C-3-A Operator: 003200



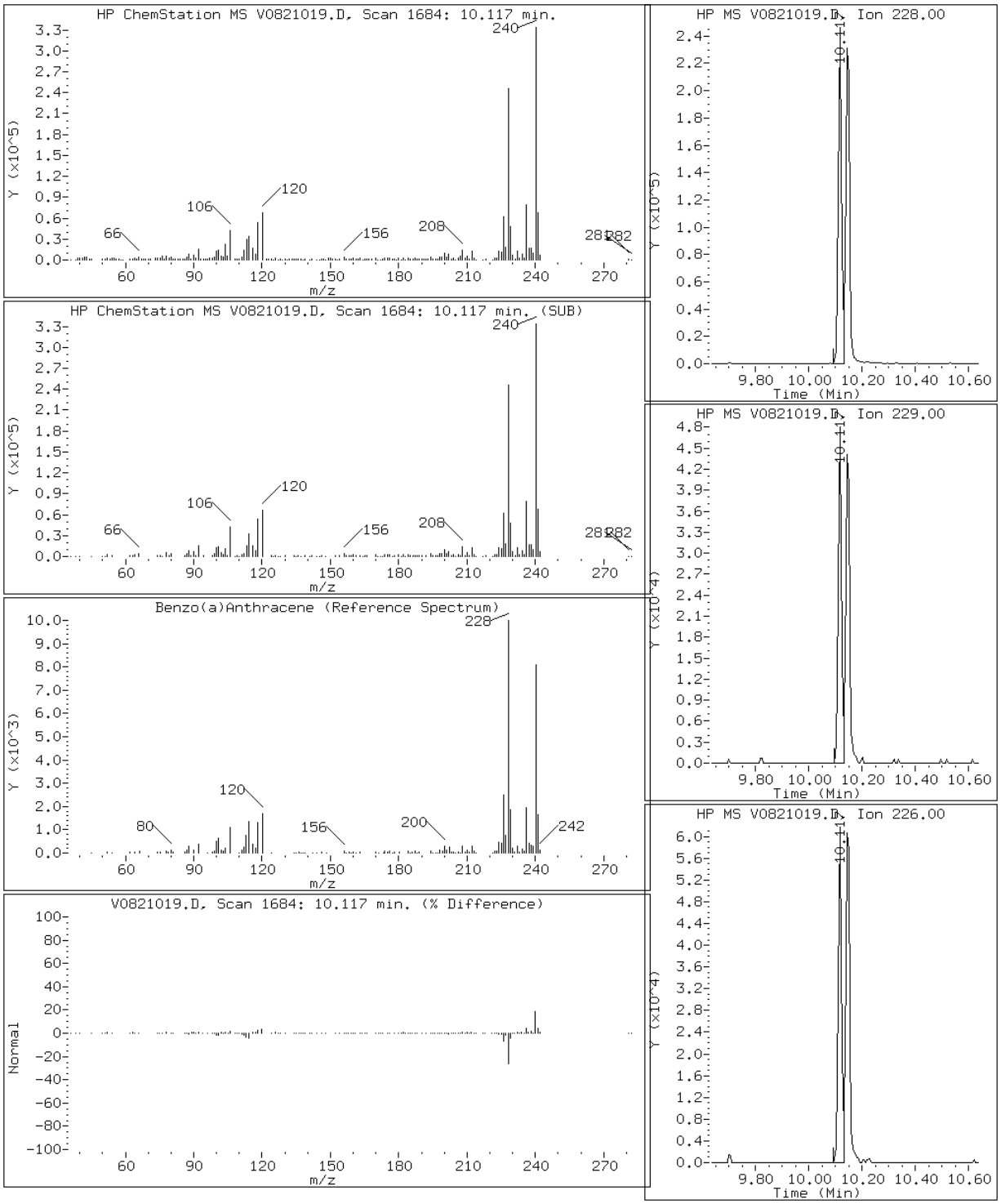
Data File: V0821019.D

Date: 21-AUG-2012 23:55

Client ID: MW-107 Instrument: 731.i

Sample Info: 180-13537-C-3-A Operator: 003200

136 Benzo(a)Anthracene



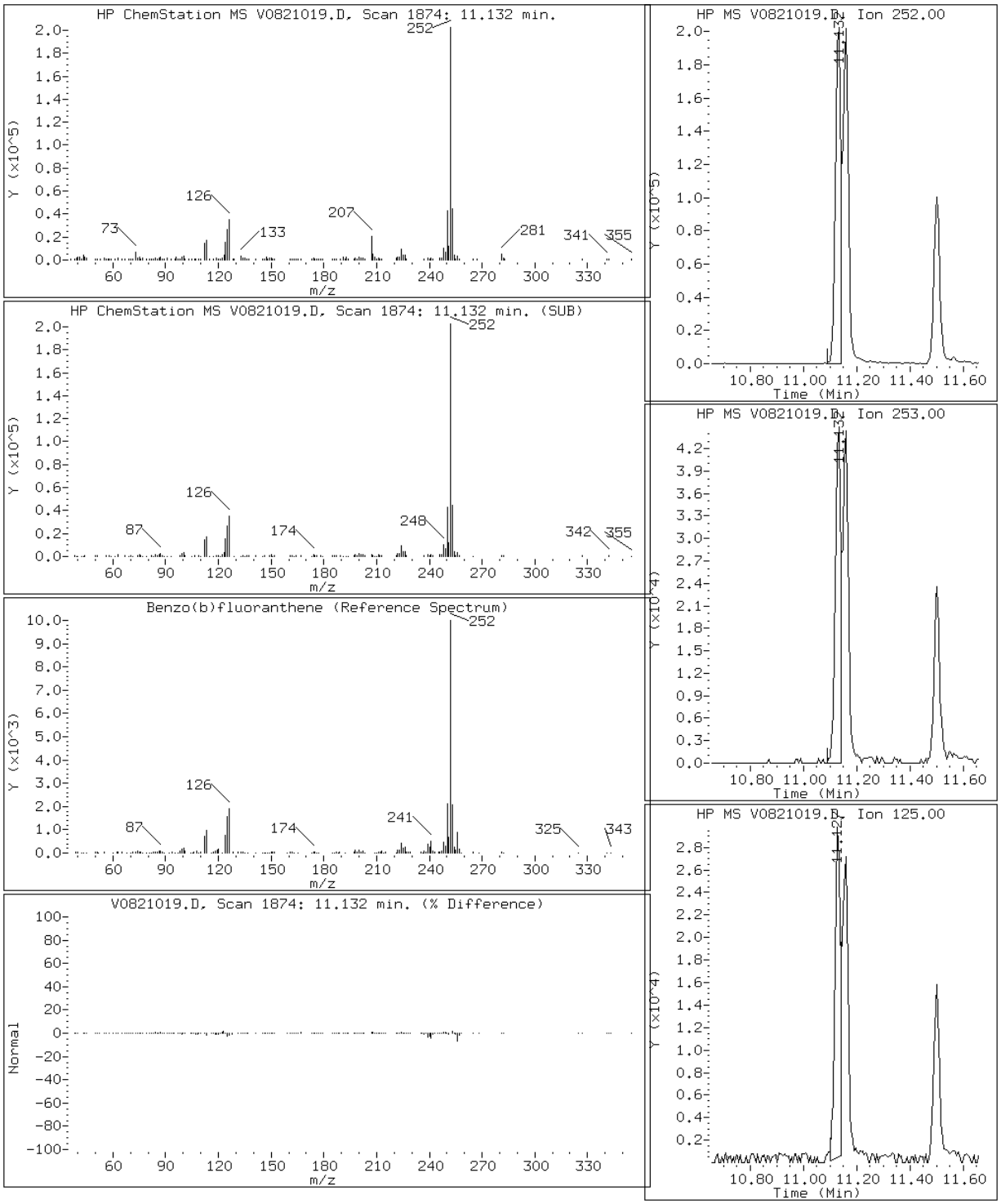
Data File: V0821019.D

Date: 21-AUG-2012 23:55

Client ID: MW-107 Instrument: 731.i

Sample Info: 180-13537-C-3-A Operator: 003200

141 Benzo(b)fluoranthene



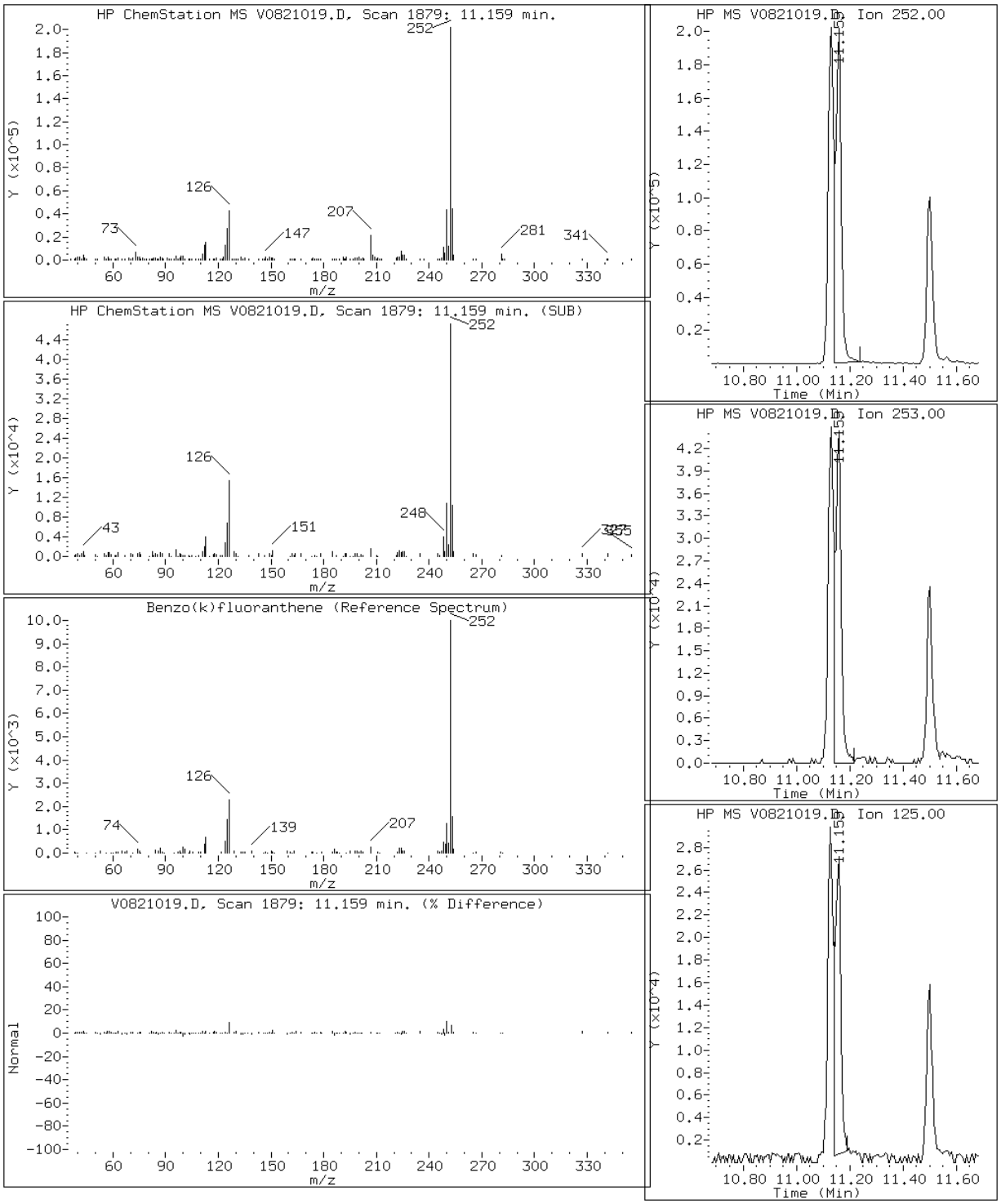
Data File: V0821019.D

Date: 21-AUG-2012 23:55

Client ID: MW-107 Instrument: 731.i

Sample Info: 180-13537-C-3-A Operator: 003200

142 Benzo(k)fluoranthene



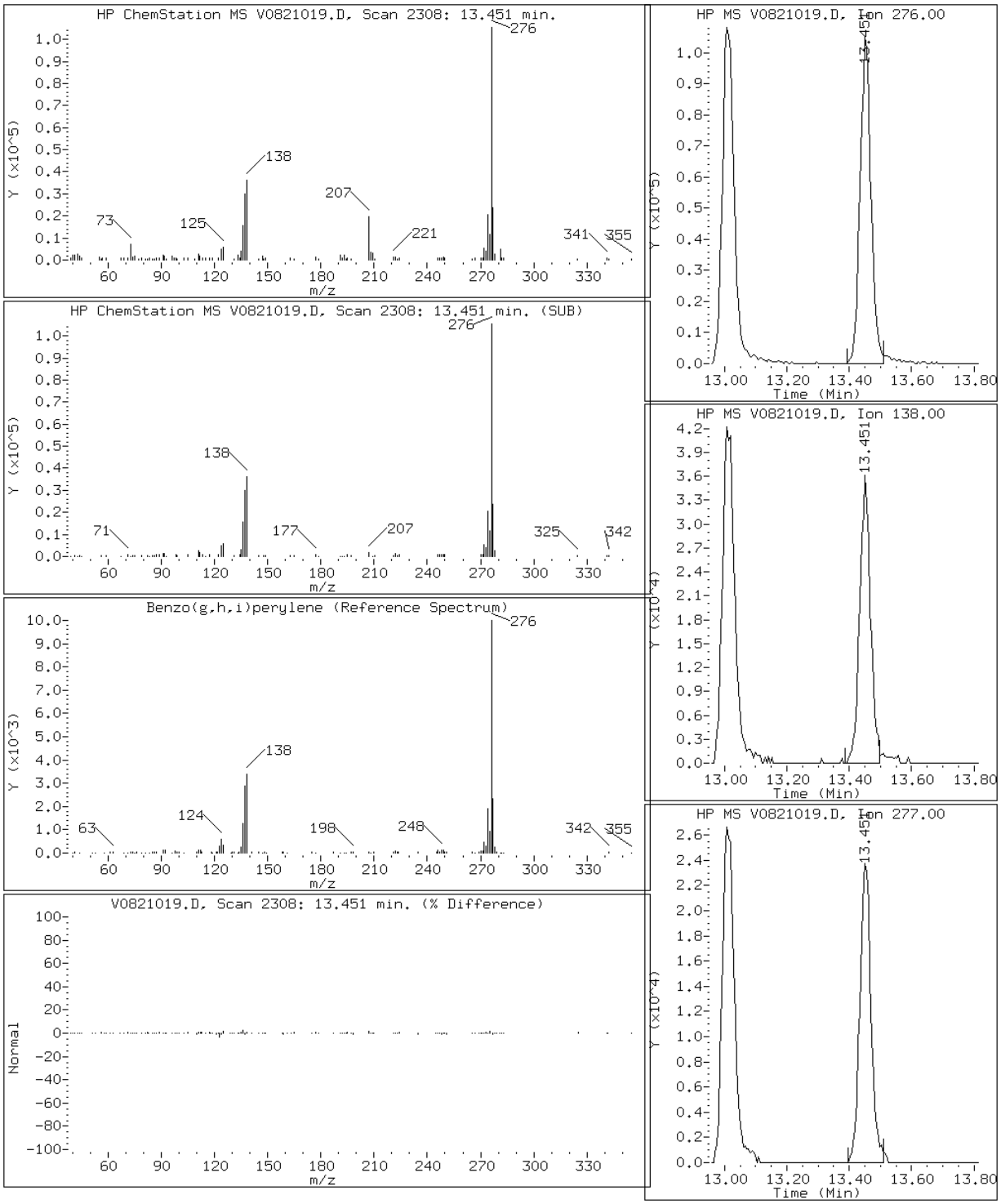
Data File: V0821019.D

Date: 21-AUG-2012 23:55

Client ID: MW-107 Instrument: 731.i

Sample Info: 180-13537-C-3-A Operator: 003200

151 Benzo(g,h,i)perylene



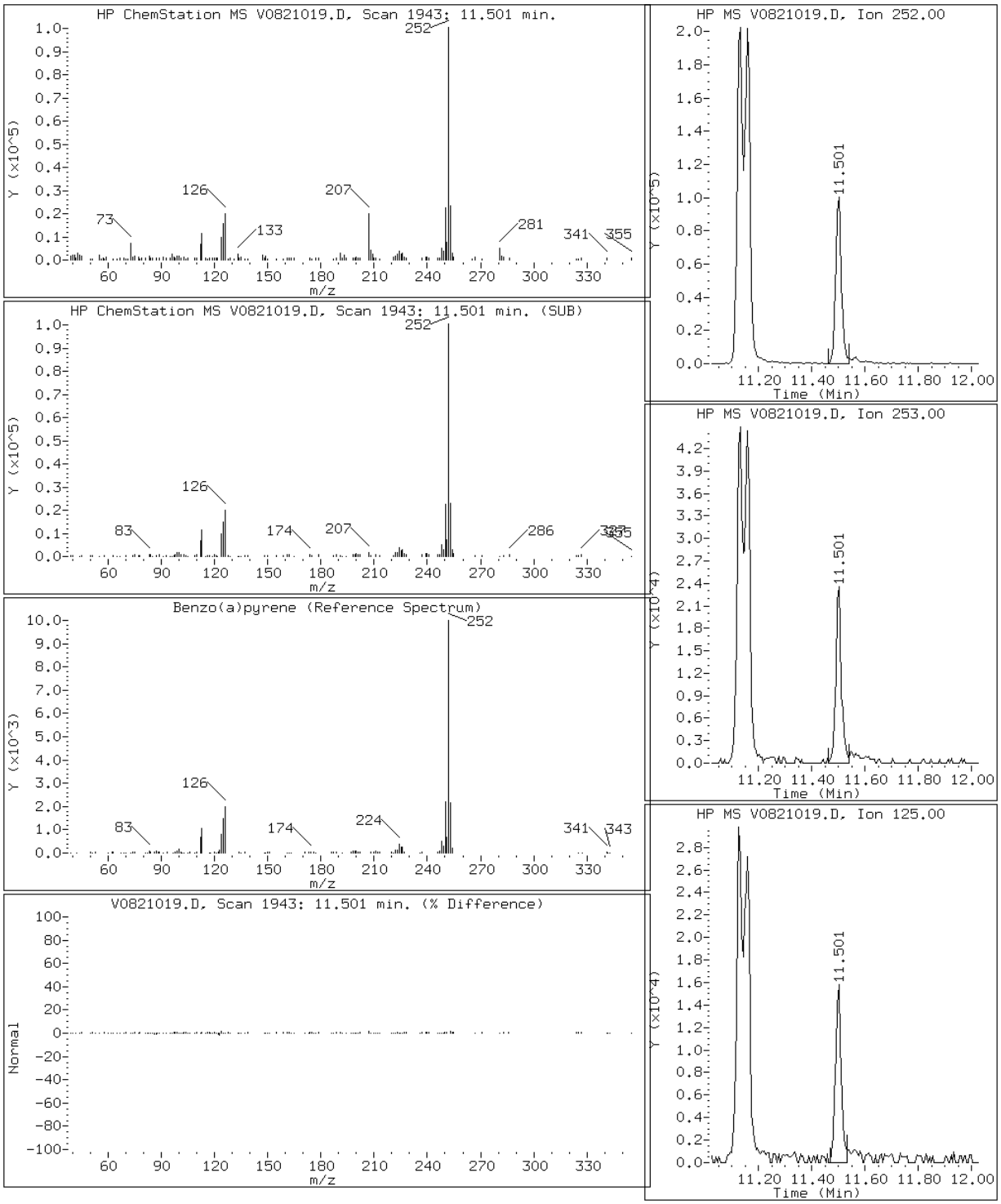
Data File: V0821019.D

Date: 21-AUG-2012 23:55

Client ID: MW-107 Instrument: 731.i

Sample Info: 180-13537-C-3-A Operator: 003200

146 Benzo(a)pyrene



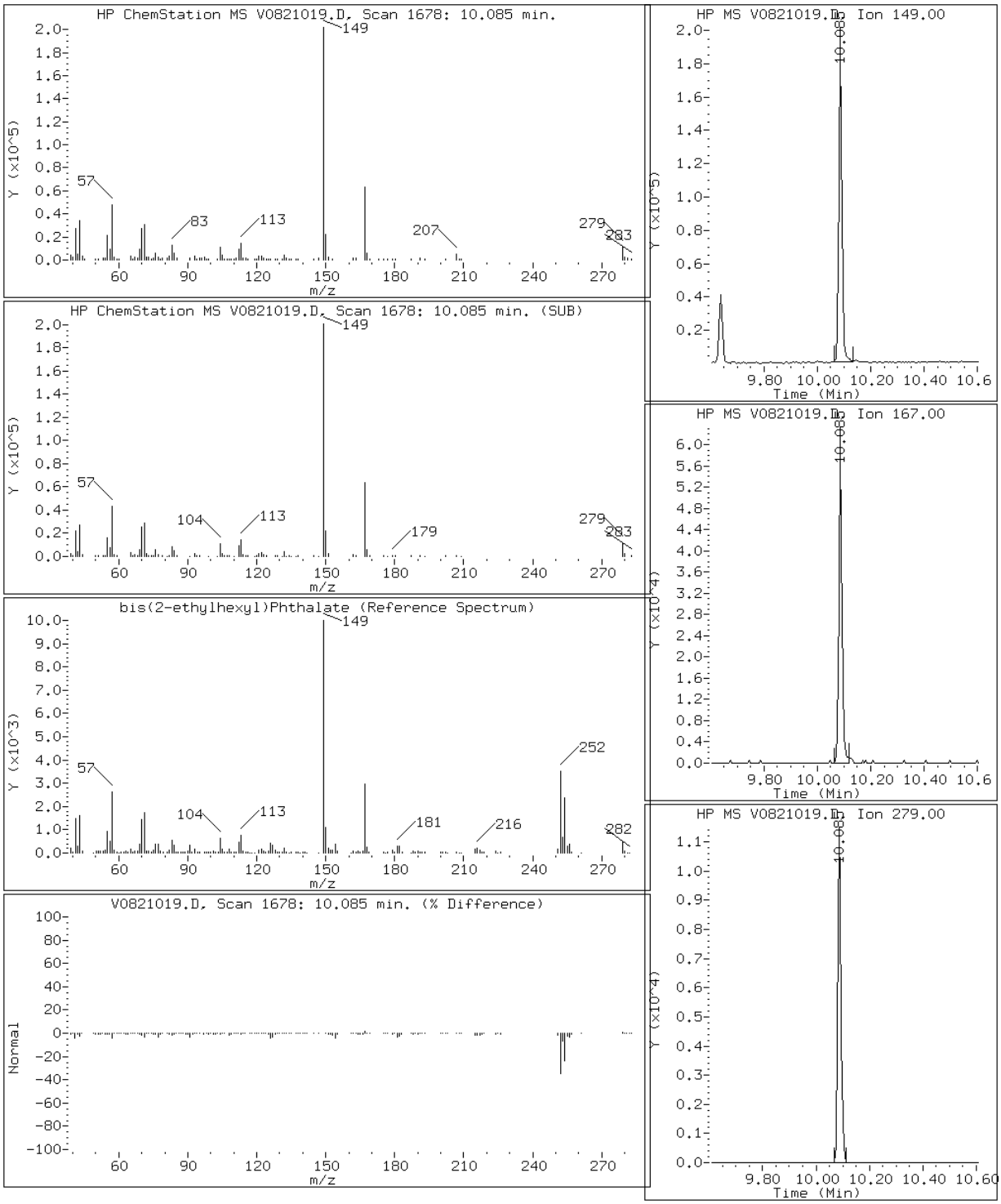
Data File: V0821019.D

Date: 21-AUG-2012 23:55

Client ID: MW-107 Instrument: 731.i

Sample Info: 180-13537-C-3-A Operator: 003200

139 bis(2-ethylhexyl)Phthalate



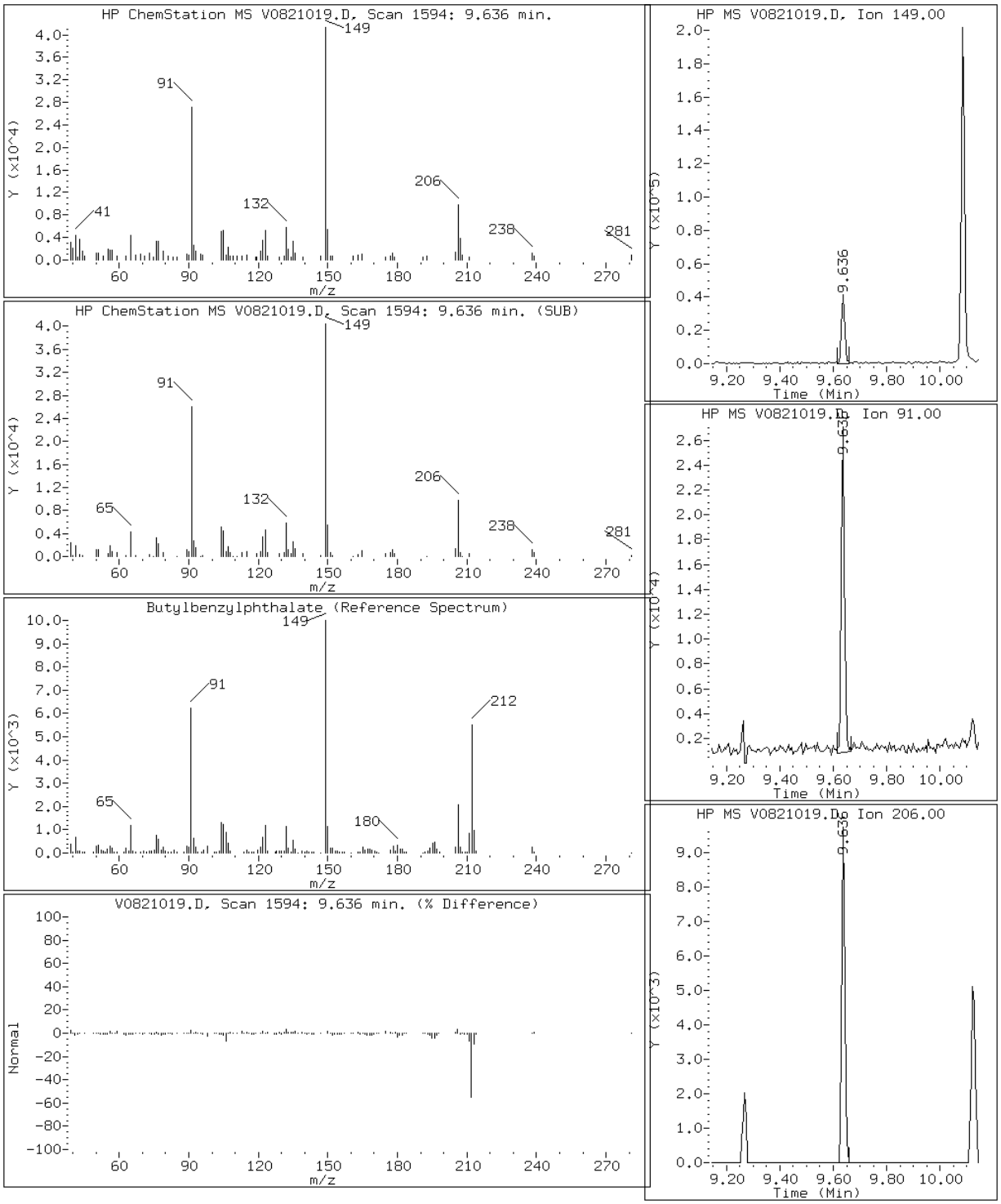
Data File: V0821019.D

Date: 21-AUG-2012 23:55

Client ID: MW-107 Instrument: 731.i

Sample Info: 180-13537-C-3-A Operator: 003200

131 Butylbenzylphthalate



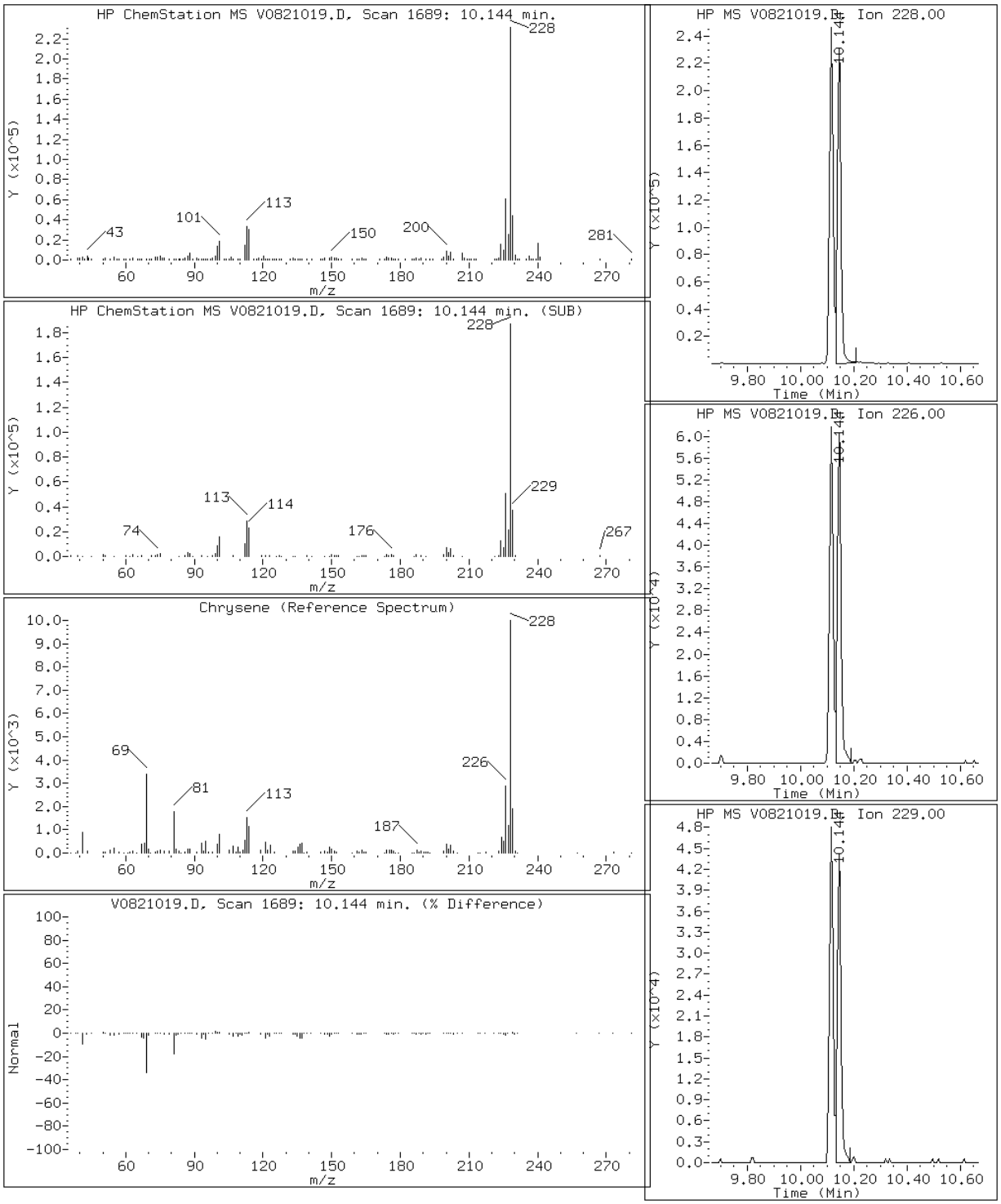
Data File: V0821019.D

Date: 21-AUG-2012 23:55

Client ID: MW-107 Instrument: 731.i

Sample Info: 180-13537-C-3-A Operator: 003200

137 Chrysene



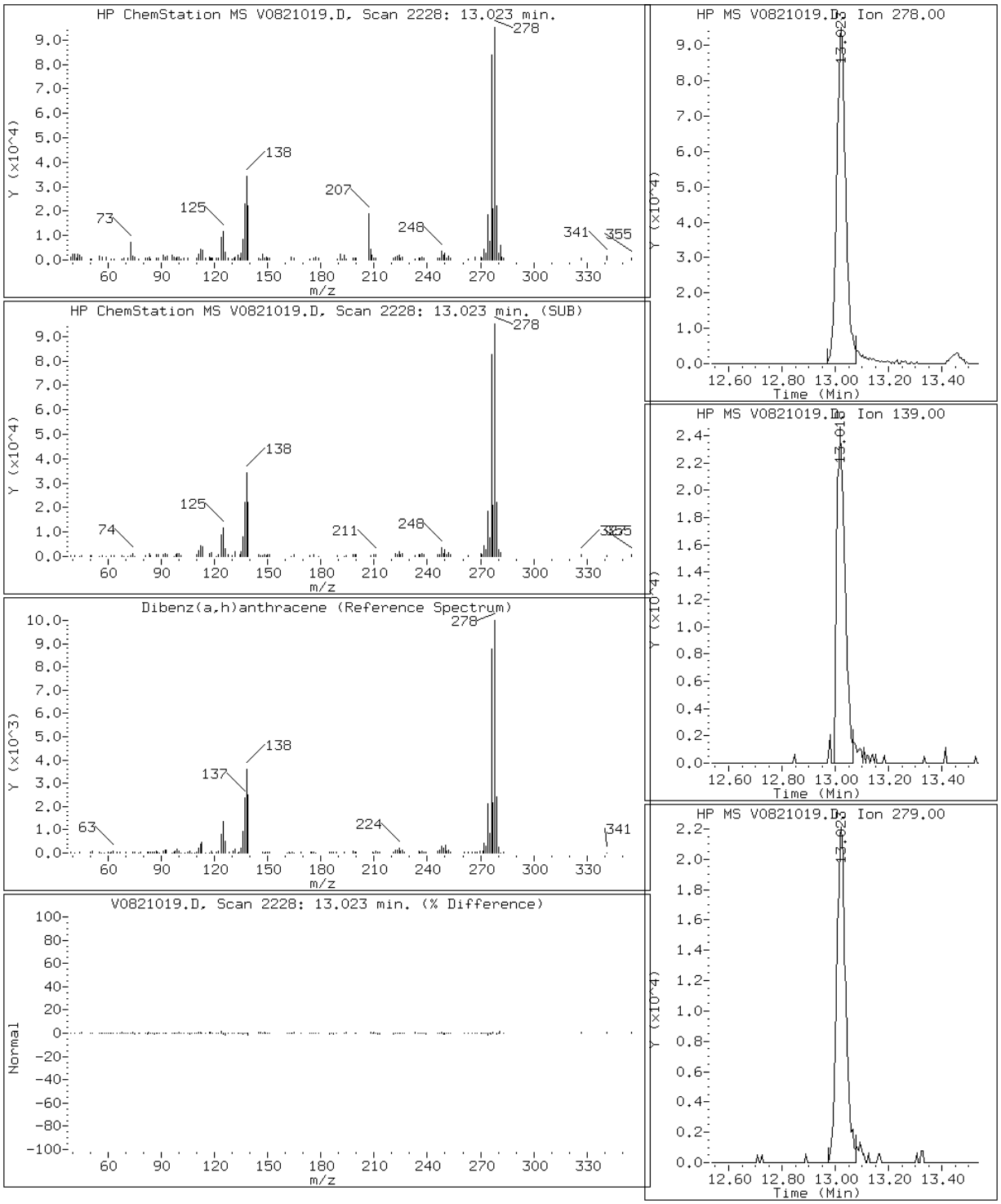
Data File: V0821019.D

Date: 21-AUG-2012 23:55

Client ID: MW-107 Instrument: 731.i

Sample Info: 180-13537-C-3-A Operator: 003200

150 Dibenz(a,h)anthracene



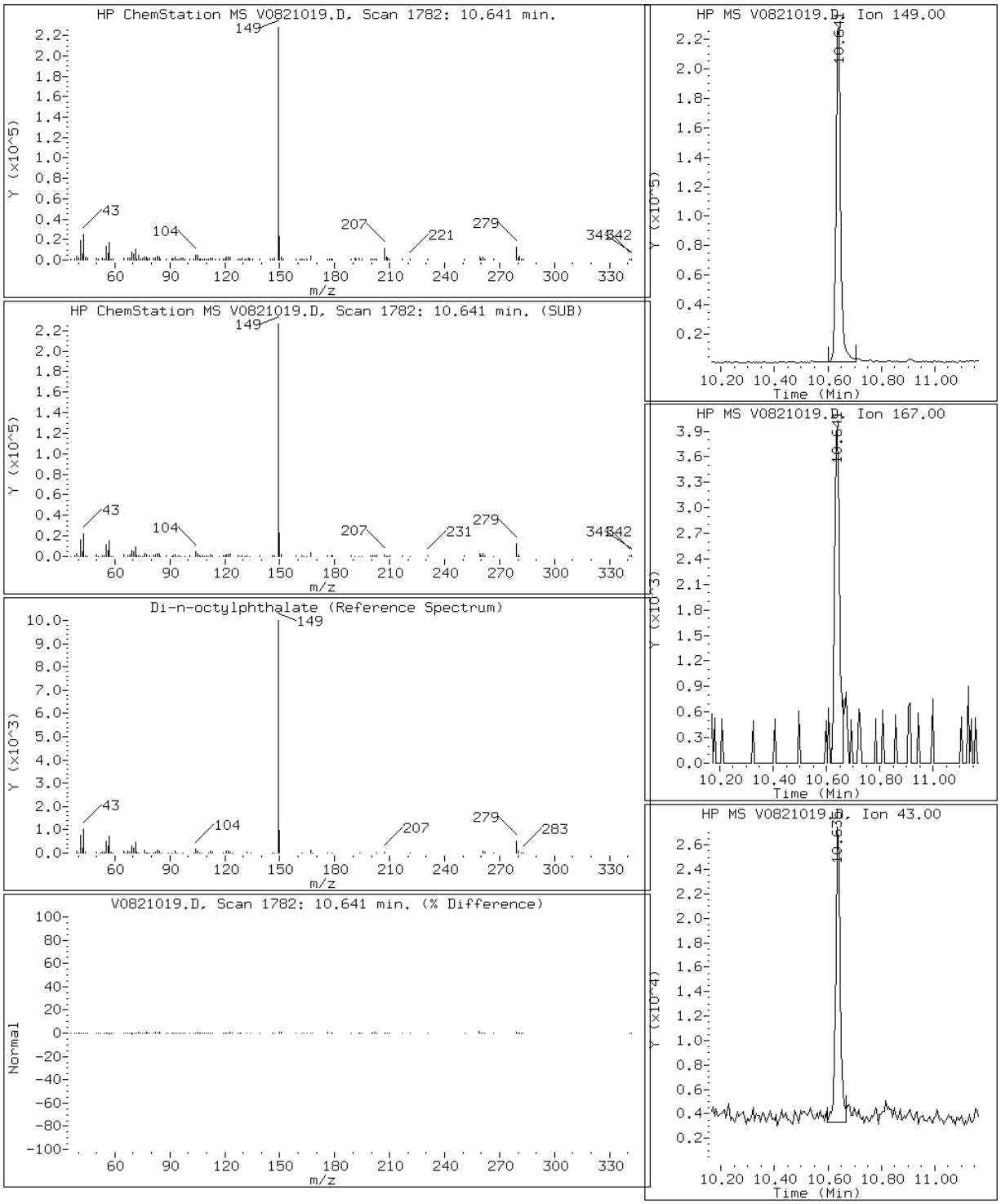
Data File: V0821019.D

Date: 21-AUG-2012 23:55

Client ID: MW-107 Instrument: 731.i

Sample Info: 180-13537-C-3-A Operator: 003200

140 Di-n-octylphthalate



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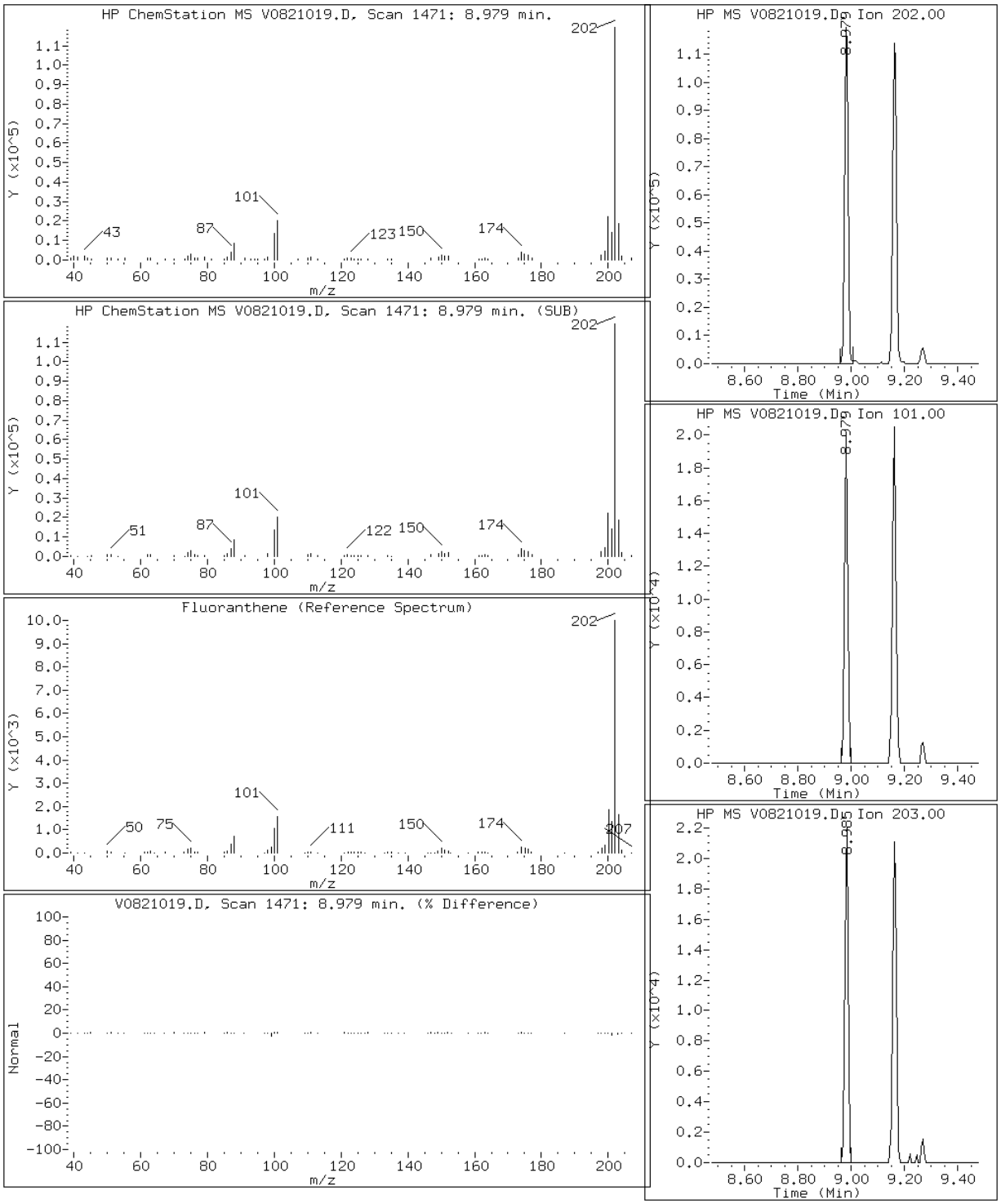
Date: 21-AUG-2012 23:55

Client ID: MW-107 Instrument: 731.i

Sample Info: 180-13537-C-3-A Operator: 003200

123 Fluoranthene



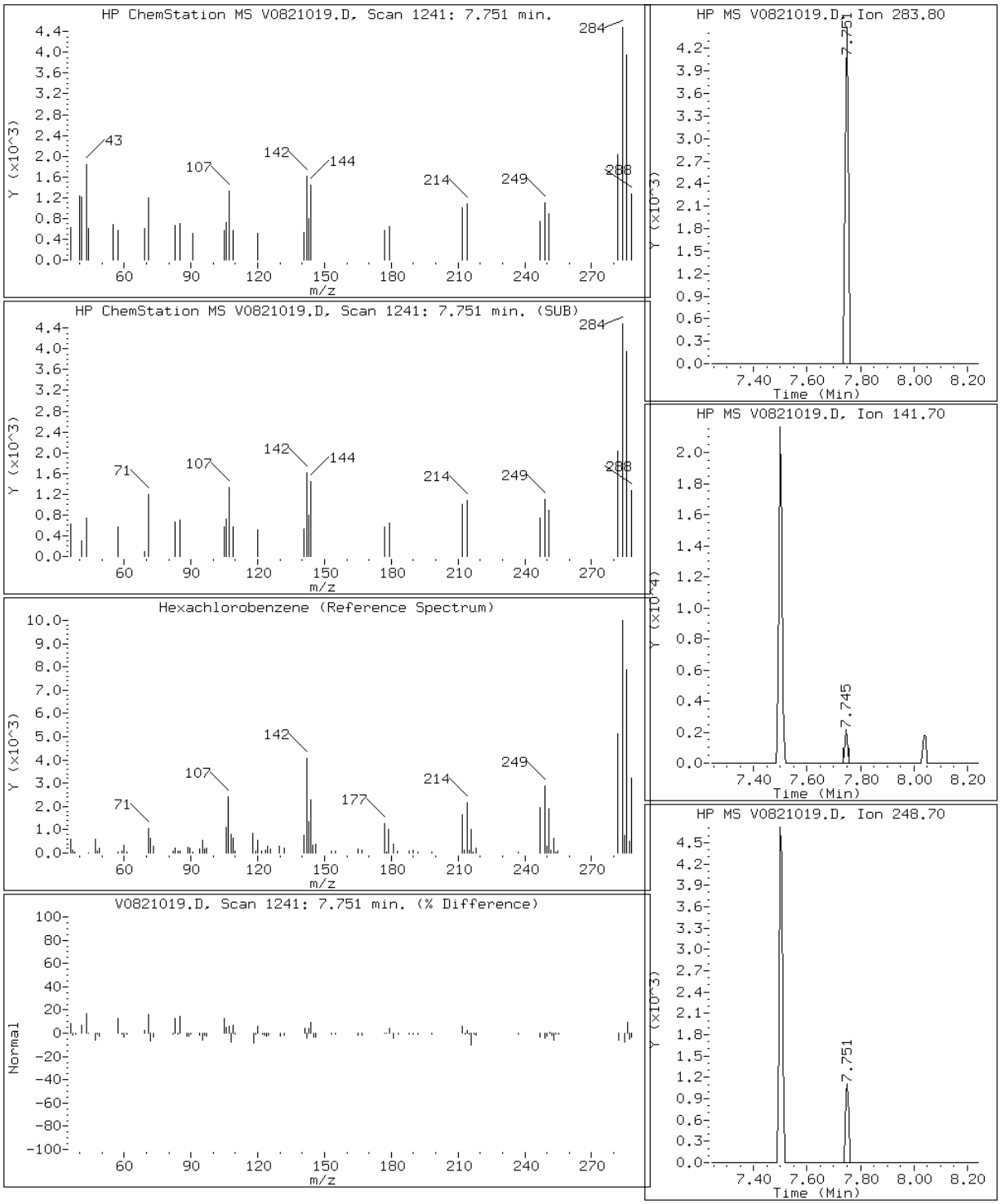
Data File: V0821019.D

Date: 21-AUG-2012 23:55

Client ID: MW-107 Instrument: 731.i

Sample Info: 180-13537-C-3-A Operator: 003200

107 Hexachlorobenzene



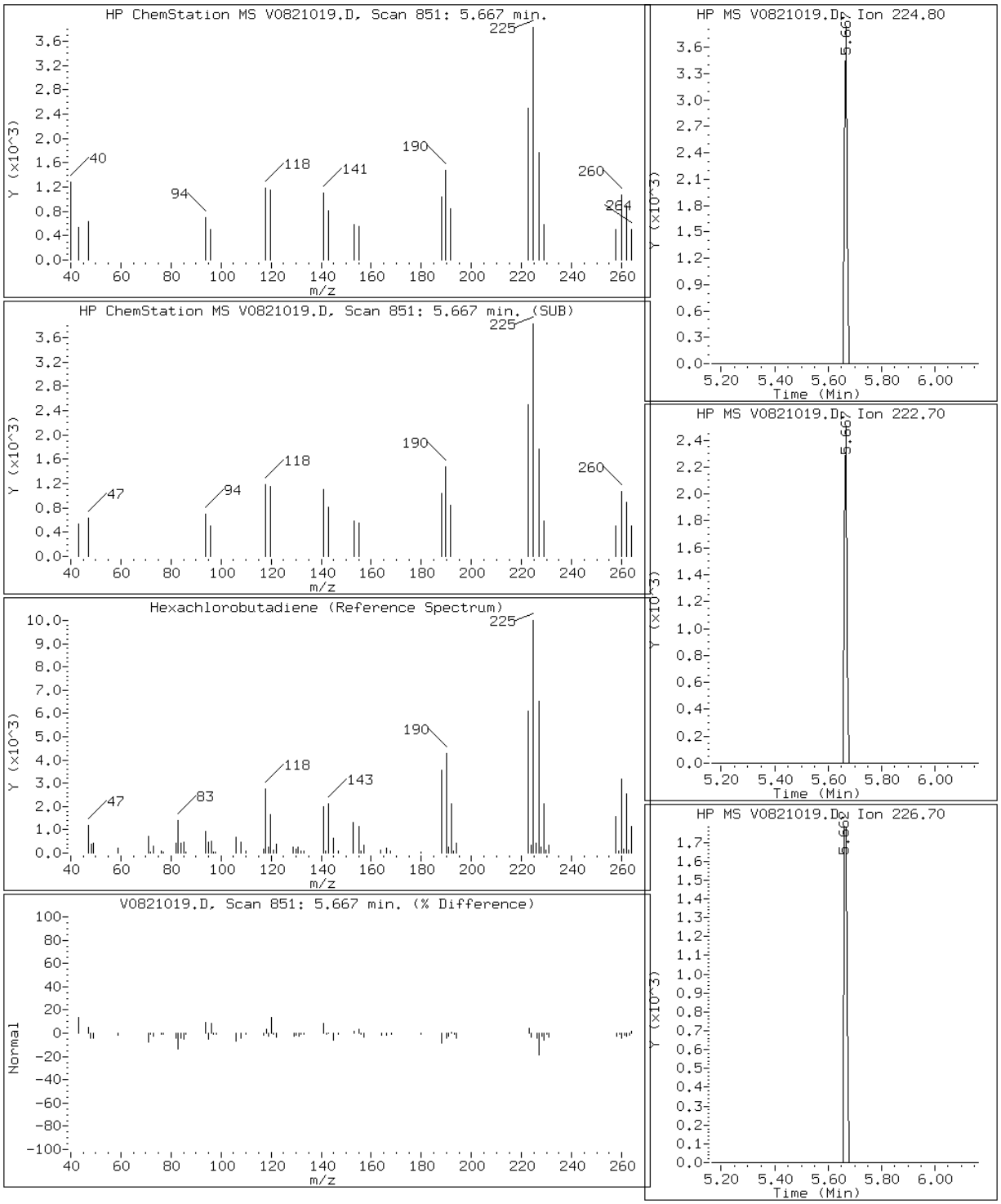
Data File: V0821019.D

Date: 21-AUG-2012 23:55

Client ID: MW-107 Instrument: 731.i

Sample Info: 180-13537-C-3-A Operator: 003200

56 Hexachlorobutadiene



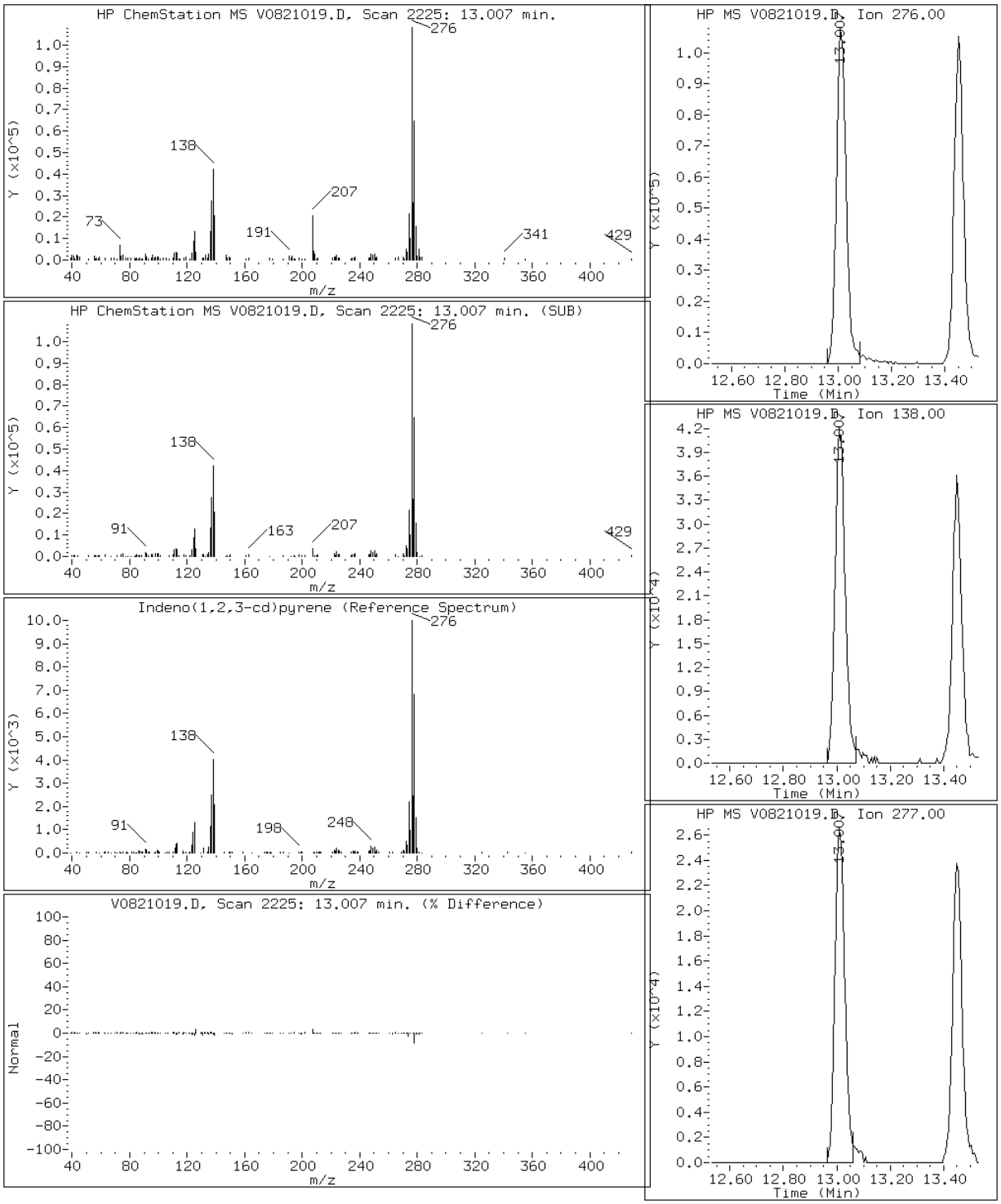
Data File: V0821019.D

Date: 21-AUG-2012 23:55

Client ID: MW-107 Instrument: 731.i

Sample Info: 180-13537-C-3-A Operator: 003200

149 Indeno(1,2,3-cd)pyrene



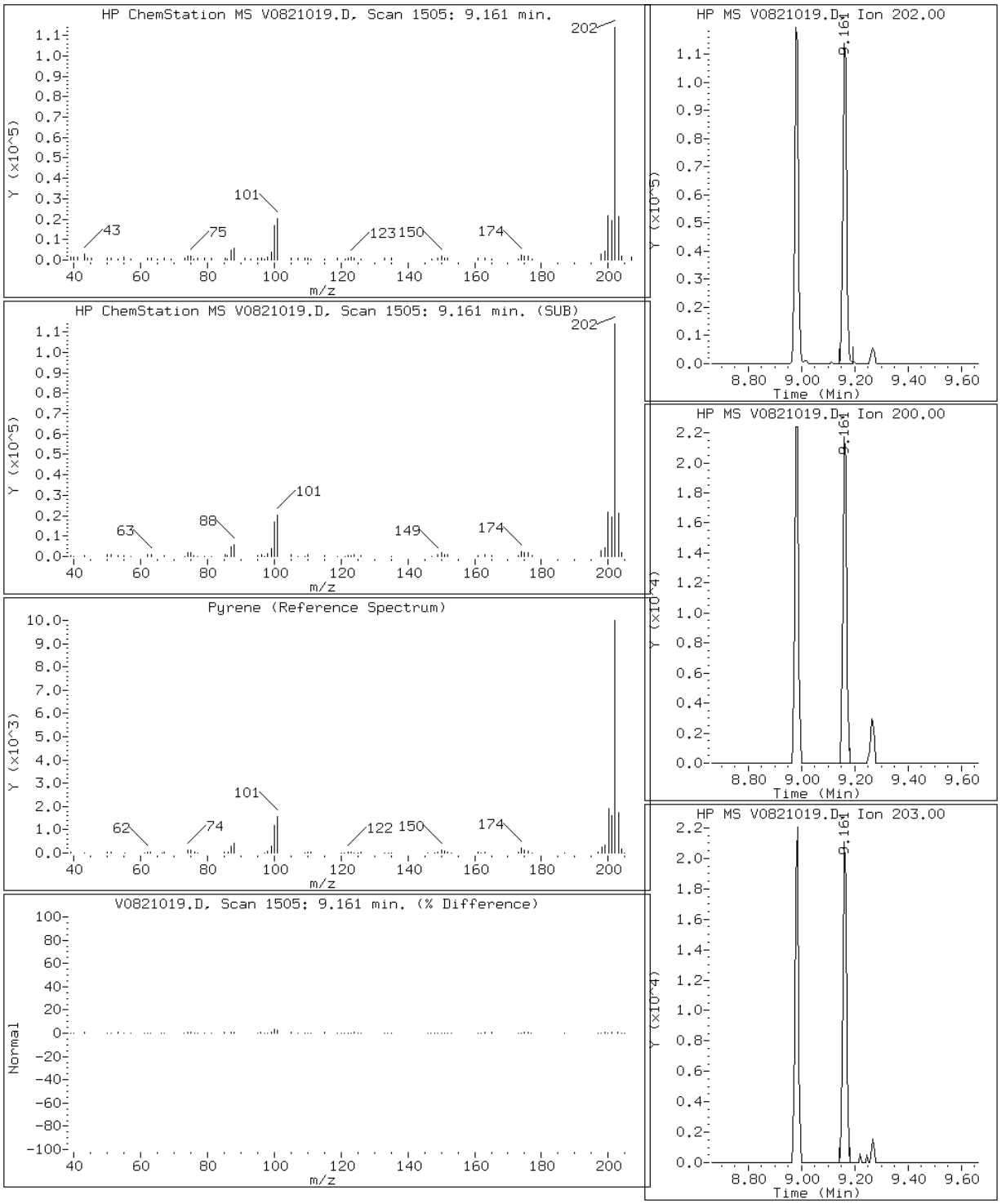
Data File: V0821019.D

Date: 21-AUG-2012 23:55

Client ID: MW-107 Instrument: 731.i

Sample Info: 180-13537-C-3-A Operator: 003200

125 Pyrene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-13537-1

SDG No.:

Client Sample ID: MW-113 | Lab Sample ID: 180-13537-4

Matrix: Water | Lab File ID: V0821020.D

Analysis Method: 8270C LL | Date Collected: 08/16/2012 09:30

Extract. Method: 3520C | Date Extracted: 08/20/2012 10:22

Sample wt/vol: 1020(mL) | Date Analyzed: 08/22/2012 00:19

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 45848 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		0.20	0.014
208-96-8	Acenaphthylene	ND		0.20	0.015
98-86-2	Acetophenone	ND		0.98	0.078
120-12-7	Anthracene	ND		0.20	0.15
1912-24-9	Atrazine	ND		0.98	0.087
100-52-7	Benzaldehyde	ND		0.98	0.15
56-55-3	Benzo[a]anthracene	0.026	J	0.20	0.014
205-99-2	Benzo[b]fluoranthene	0.029	J	0.20	0.015
207-08-9	Benzo[k]fluoranthene	ND		0.20	0.054
191-24-2	Benzo[g,h,i]perylene	0.043	J	0.20	0.015
50-32-8	Benzo[a]pyrene	ND		0.20	0.013
111-91-1	Bis(2-chloroethoxy)methane	ND		0.98	0.057
111-44-4	Bis(2-chloroethyl)ether	ND		0.20	0.025
117-81-7	Bis(2-ethylhexyl) phthalate	ND		2.0	1.2
85-68-7	Butyl benzyl phthalate	ND		0.98	0.14
92-52-4	1,1'-Biphenyl	ND		0.98	0.041
105-60-2	Caprolactam	ND		4.9	1.2
86-74-8	Carbazole	ND		0.20	0.015
218-01-9	Chrysene	0.037	J	0.20	0.014
91-58-7	2-Chloronaphthalene	ND		0.20	0.015
95-57-8	2-Chlorophenol	ND		0.98	0.16
120-83-2	2,4-Dichlorophenol	ND		0.20	0.033
105-67-9	2,4-Dimethylphenol	ND		0.98	0.084
51-28-5	2,4-Dinitrophenol	ND		4.9	0.60
121-14-2	2,4-Dinitrotoluene	ND		0.98	0.053
606-20-2	2,6-Dinitrotoluene	ND		0.98	0.078
91-57-6	2-Methylnaphthalene	ND		0.20	0.012
95-48-7	2-Methylphenol	ND		0.98	0.085
88-74-4	2-Nitroaniline	ND		4.9	0.34
88-75-5	2-Nitrophenol	ND		0.98	0.17
108-60-1	2,2'-oxybis[1-chloropropane]	ND		0.20	0.019
95-95-4	2,4,5-Trichlorophenol	ND		0.98	0.15
88-06-2	2,4,6-Trichlorophenol	ND		0.98	0.17
100-01-6	4-Nitroaniline	ND		4.9	0.17

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-13537-1

SDG No.:

Client Sample ID: MW-113 | Lab Sample ID: 180-13537-4

Matrix: Water | Lab File ID: V0821020.D

Analysis Method: 8270C LL | Date Collected: 08/16/2012 09:30

Extract. Method: 3520C | Date Extracted: 08/20/2012 10:22

Sample wt/vol: 1020(mL) | Date Analyzed: 08/22/2012 00:19

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 45848 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	ND		4.9	0.63
7005-72-3	4-Chlorophenyl phenyl ether	ND		0.98	0.049
106-44-5	Methylphenol, 3 & 4	ND		0.98	0.088
534-52-1	4,6-Dinitro-2-methylphenol	ND		4.9	0.22
106-47-8	4-Chloroaniline	ND		0.98	0.087
59-50-7	4-Chloro-3-methylphenol	ND		0.98	0.074
101-55-3	4-Bromophenyl phenyl ether	ND		0.98	0.062
53-70-3	Dibenz(a,h)anthracene	0.037	J	0.20	0.015
132-64-9	Dibenzofuran	ND		0.98	0.060
84-74-2	Di-n-butyl phthalate	ND		0.98	0.12
84-66-2	Diethyl phthalate	ND		0.98	0.14
131-11-3	Dimethyl phthalate	ND		0.98	0.075
117-84-0	Di-n-octyl phthalate	ND		0.98	0.20
91-94-1	3,3'-Dichlorobenzidine	ND		0.98	0.11
99-09-2	3-Nitroaniline	ND		4.9	0.32
206-44-0	Fluoranthene	ND		0.20	0.016
86-73-7	Fluorene	ND		0.20	0.021
118-74-1	Hexachlorobenzene	ND		0.20	0.018
87-68-3	Hexachlorobutadiene	0.086	J	0.20	0.016
77-47-4	Hexachlorocyclopentadiene	ND	*	0.98	0.051
67-72-1	Hexachloroethane	ND		0.98	0.062
193-39-5	Indeno[1,2,3-cd]pyrene	0.036	J	0.20	0.020
78-59-1	Isophorone	ND		0.98	0.063
91-20-3	Naphthalene	ND		0.20	0.014
98-95-3	Nitrobenzene	ND		2.0	0.083
86-30-6	N-Nitrosodiphenylamine	ND		0.98	0.084
621-64-7	N-Nitrosodi-n-propylamine	ND		0.20	0.030
129-00-0	Pyrene	ND		0.20	0.015
108-95-2	Phenol	ND		0.20	0.057
85-01-8	Phenanthrene	ND		0.20	0.042
87-86-5	Pentachlorophenol	ND		0.98	0.065
123-91-1	1,4-Dioxane	ND		2.0	0.14

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-13537-1

SDG No.:

Client Sample ID: MW-113 | Lab Sample ID: 180-13537-4

Matrix: Water | Lab File ID: V0821020.D

Analysis Method: 8270C LL | Date Collected: 08/16/2012 09:30

Extract. Method: 3520C | Date Extracted: 08/20/2012 10:22

Sample wt/vol: 1020(mL) | Date Analyzed: 08/22/2012 00:19

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 45848 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	44		16-122
321-60-8	2-Fluorobiphenyl	48		19-107
367-12-4	2-Fluorophenol	49		10-111
4165-60-0	Nitrobenzene-d5	49		23-112
4165-62-2	Phenol-d5	48		15-112
1718-51-0	Terphenyl-d14	63		10-132

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV082112.b\V0821020.D
Lab Smp Id: 180-13537-D-4-A Client Smp ID: MW-113
Inj Date : 22-AUG-2012 00:19
Operator : 003200 Inst ID: 731.i
Smp Info : 180-13537-D-4-A
Misc Info : 180-13537-D-4-A
Comment :
Method : \\PITSVR06\D\chem\731.i\TV082112.b\T8270ll.m
Meth Date : 22-Aug-2012 01:41 piccolinov Quant Type: ISTD
Cal Date : 13-AUG-2012 12:35 Cal File: V0813IC8.D
Als bottle: 22
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	4.573	(1.000)	130979	8.00000	
* 2 Naphthalene-d8	136	5.555	5.540	(1.000)	590116	8.00000	
* 3 Acenaphthene-d10	164	6.901	6.892	(1.000)	376618	8.00000	
* 4 Phenanthrene-d10	188	8.050	8.035	(1.000)	671877	8.00000	
* 5 Chrysene-d12	240	10.128	10.140	(1.000)	700462	8.00000	
* 6 Perylene-d12	264	11.570	11.582	(1.000)	738656	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	225	5.673	5.663	(1.021)	2397	0.17509	0.17509
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	7.222	7.207	(1.046)	5396	0.09604	0.096040
94 Fluorene	166	Compound Not Detected.					
95 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96 4-Nitroaniline	138	Compound Not Detected.					
98 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99 N-Nitrosodiphenylamine (1)	169	Compound Not Detected.					
100 1,2-Diphenylhydrazine	77	Compound Not Detected.					
106 4-Bromophenyl-phenylether	248	Compound Not Detected.					
107 Hexachlorobenzene	283	Compound Not Detected.					
210 Atrazine	200	Compound Not Detected.					
111 Pentachlorophenol	265	Compound Not Detected.					
115 Phenanthrene	178	Compound Not Detected.					
116 Anthracene	178	Compound Not Detected.					
119 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	Compound Not Detected.					
123 Fluoranthene	202	Compound Not Detected.					
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	Compound Not Detected.					
131 Butylbenzylphthalate	149	9.642	9.643	(0.952)	5975	0.12865	0.12865
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	10.117	10.134	(0.999)	5434	0.05400	0.054004
137 Chrysene	228	10.149	10.166	(1.002)	7312	0.07575	0.075751
139 bis(2-ethylhexyl)Phthalate	149	10.085	10.102	(0.996)	24123	0.36064	0.36064
140 Di-n-octylphthalate	149	10.635	10.663	(0.919)	6162	0.05023	0.050227
141 Benzo(b)fluoranthene	252	11.132	11.155	(0.962)	7436	0.05972	0.059719(H)
142 Benzo(k)fluoranthene	252	11.154	11.181	(0.964)	9585	0.08071	0.080714
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	13.023	13.024	(1.126)	7603	0.07247	0.072465
150 Dibenz(a,h)anthracene	278	13.029	13.035	(1.126)	6553	0.07494	0.074937
151 Benzo(g,h,i)perylene	276	13.456	13.457	(1.163)	7733	0.08732	0.087317
$ 154 Nitrobenzene-d5	82	4.999	4.990	(0.900)	407944	19.5133	19.513
$ 155 2-Fluorobiphenyl	172	6.378	6.368	(0.924)	1090349	19.1536	19.154
$ 156 Terphenyl-d14	244	9.273	9.264	(0.916)	1692946	25.0680	25.068
$ 157 Phenol-d5	99	4.310	4.301	(0.941)	604141	28.8277	28.828
$ 158 2-Fluorophenol	112	3.568	3.558	(0.779)	446358	29.6336	29.634
$ 159 2,4,6-Tribromophenol	330	7.510	7.495	(0.933)	193795	26.6965	26.696
$ 186 2-Chlorophenol-d4	132	4.412	4.397	(0.963)	646388	30.3636	30.364
$ 187 1,2-Dichlorobenzene-d4	152	4.700	4.691	(1.026)	270094	17.3759	17.376

QC Flag Legend

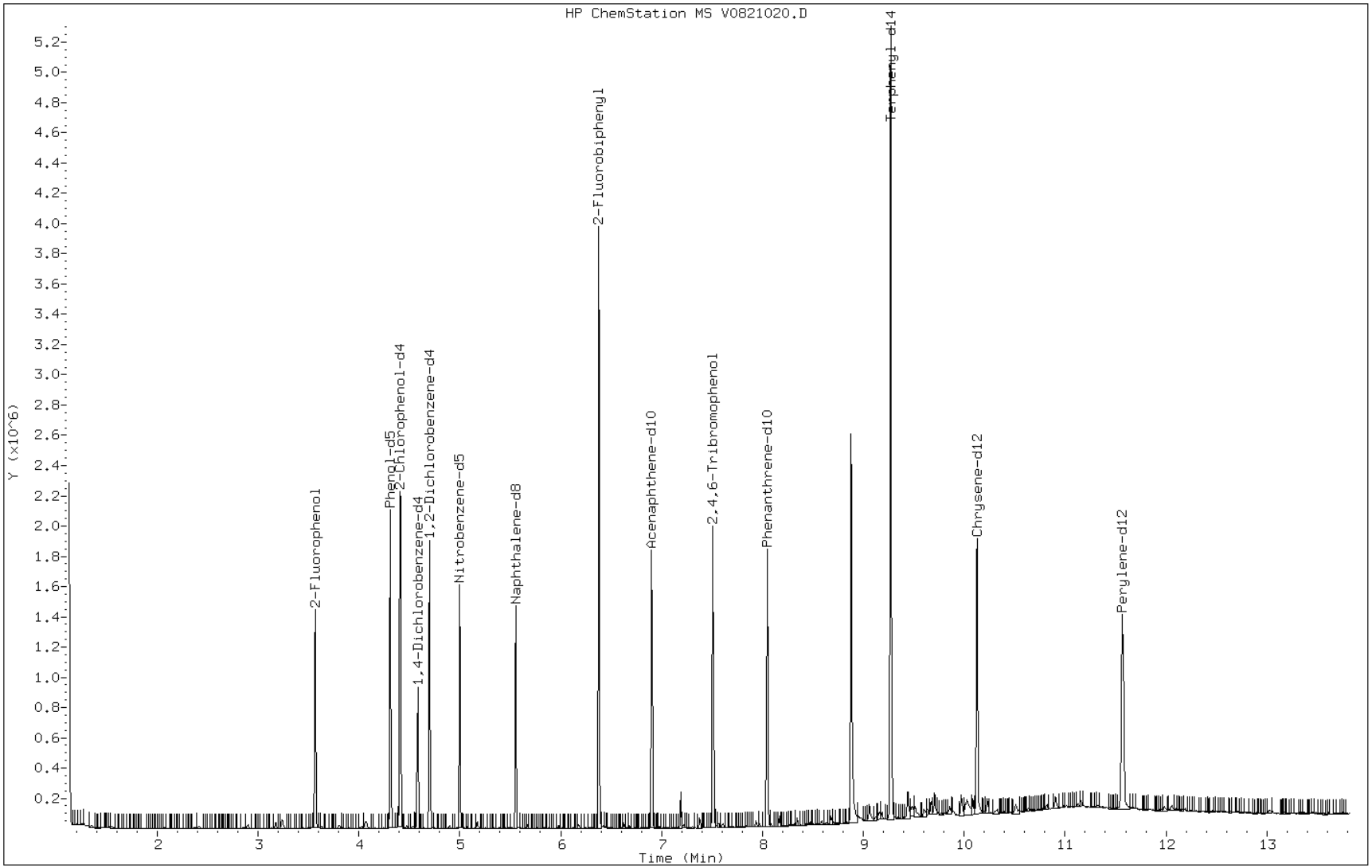
H - Operator selected an alternate compound hit.

Data File: V0821020.D

Date: 22-AUG-2012 00:19

Client ID: MW-113 Instrument: 731.i

Sample Info: 180-13537-D-4-A Operator: 003200



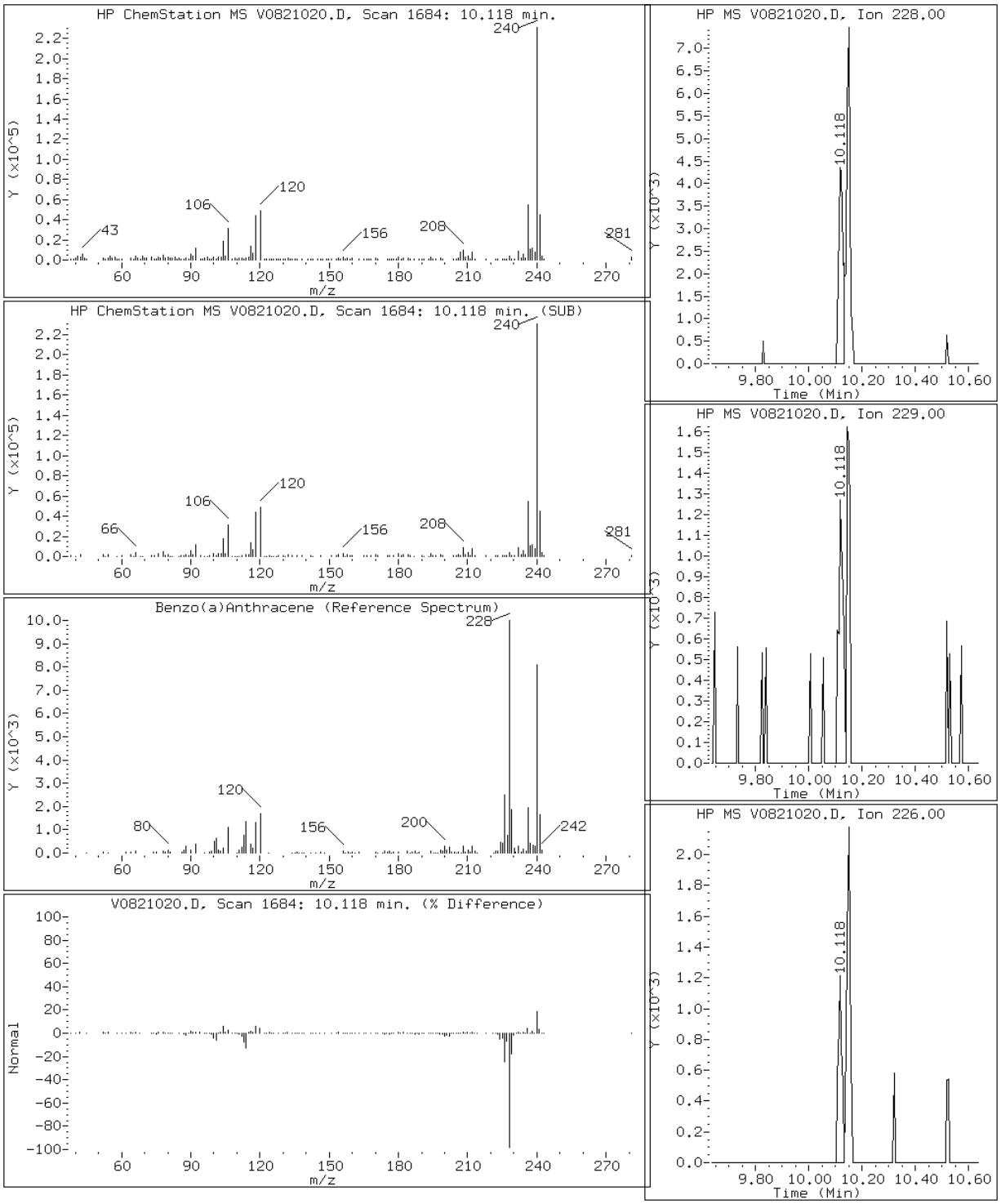
Data File: V0821020.D

Date: 22-AUG-2012 00:19

Client ID: MW-113 Instrument: 731.i

Sample Info: 180-13537-D-4-A Operator: 003200

136 Benzo(a)Anthracene



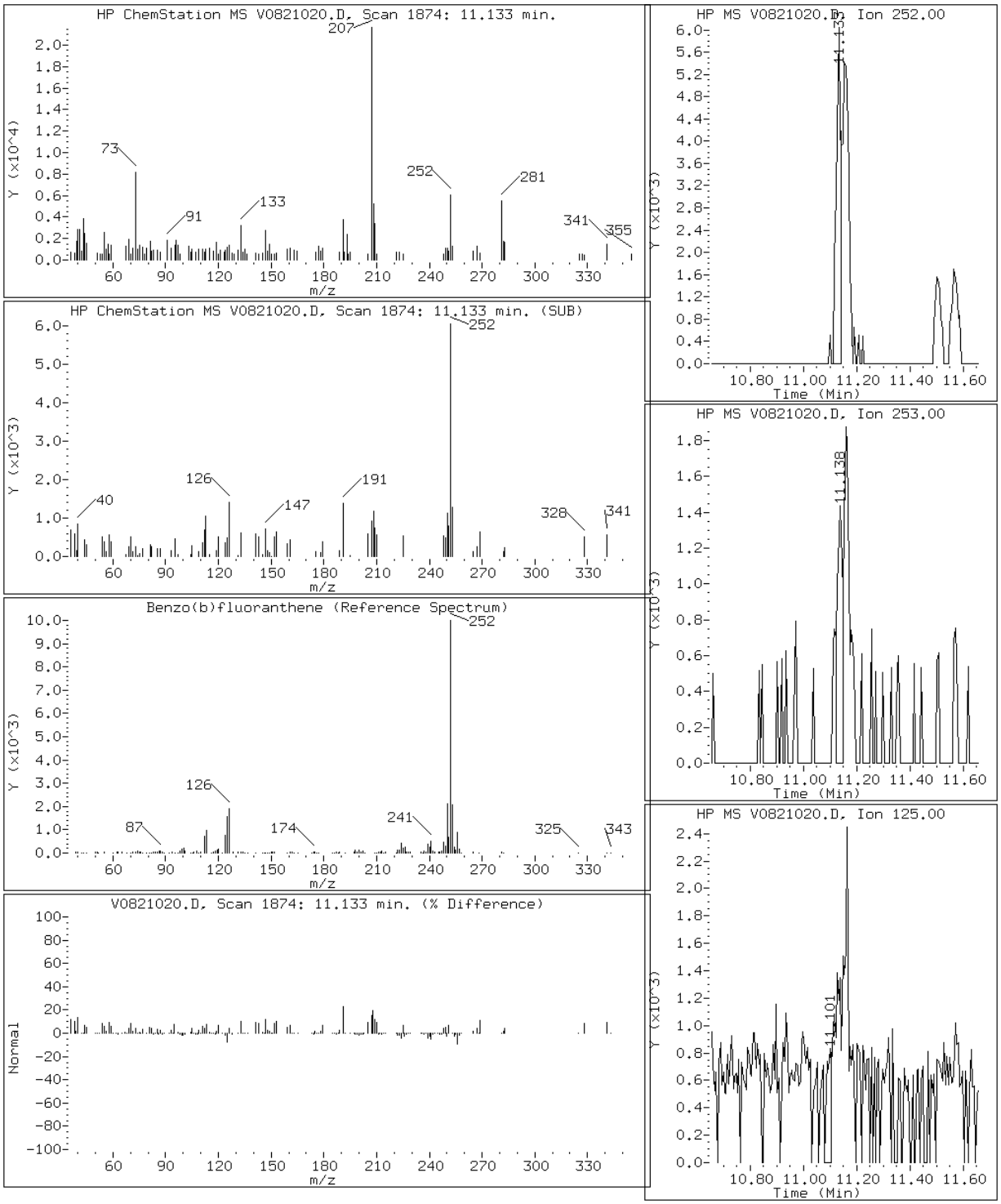
Data File: V0821020.D

Date: 22-AUG-2012 00:19

Client ID: MW-113 Instrument: 731.i

Sample Info: 180-13537-D-4-A Operator: 003200

141 Benzo(b)fluoranthene



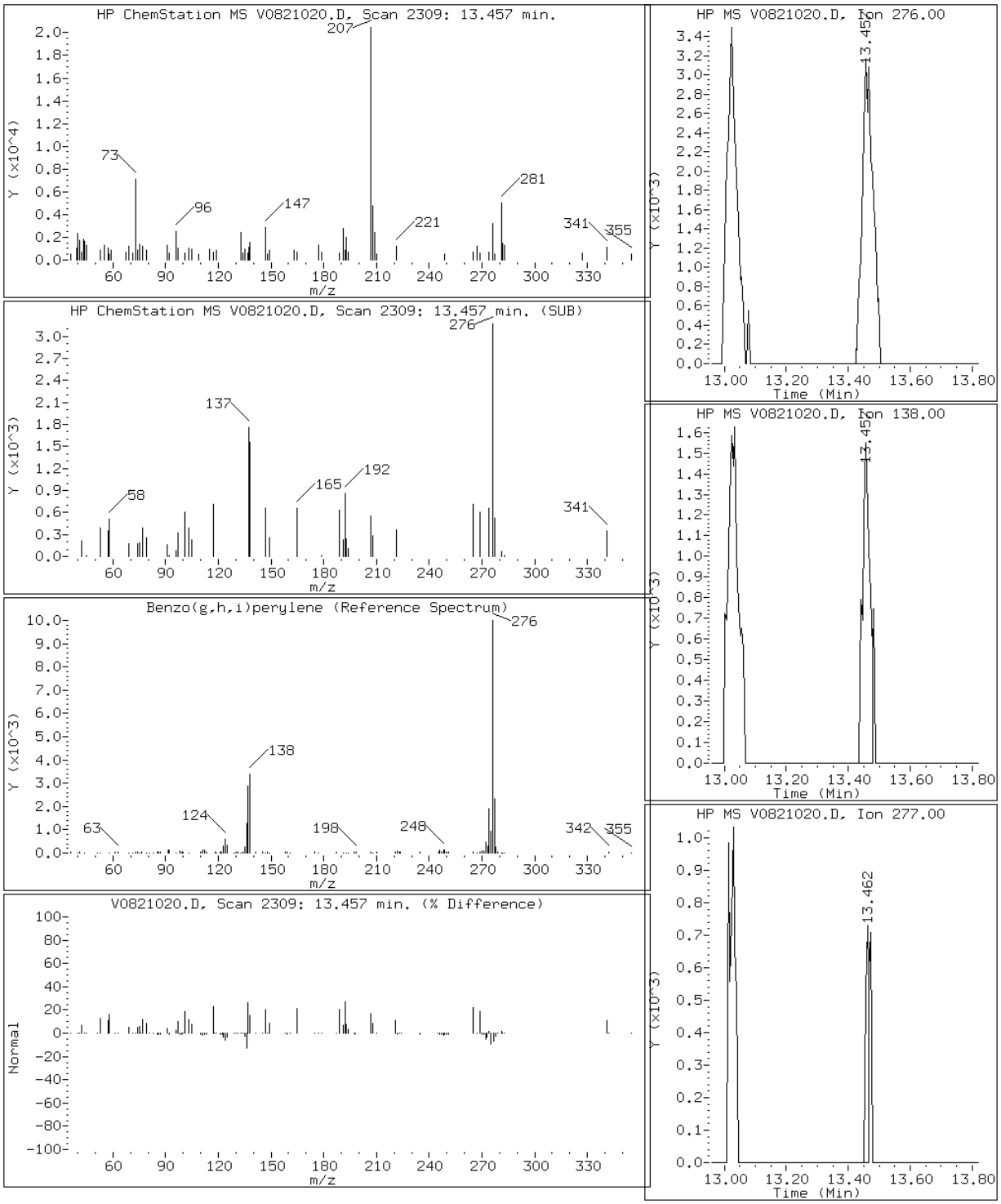
Data File: V0821020.D

Date: 22-AUG-2012 00:19

Client ID: MW-113 Instrument: 731.i

Sample Info: 180-13537-D-4-A Operator: 003200

151 Benzo(g,h,i)perylene



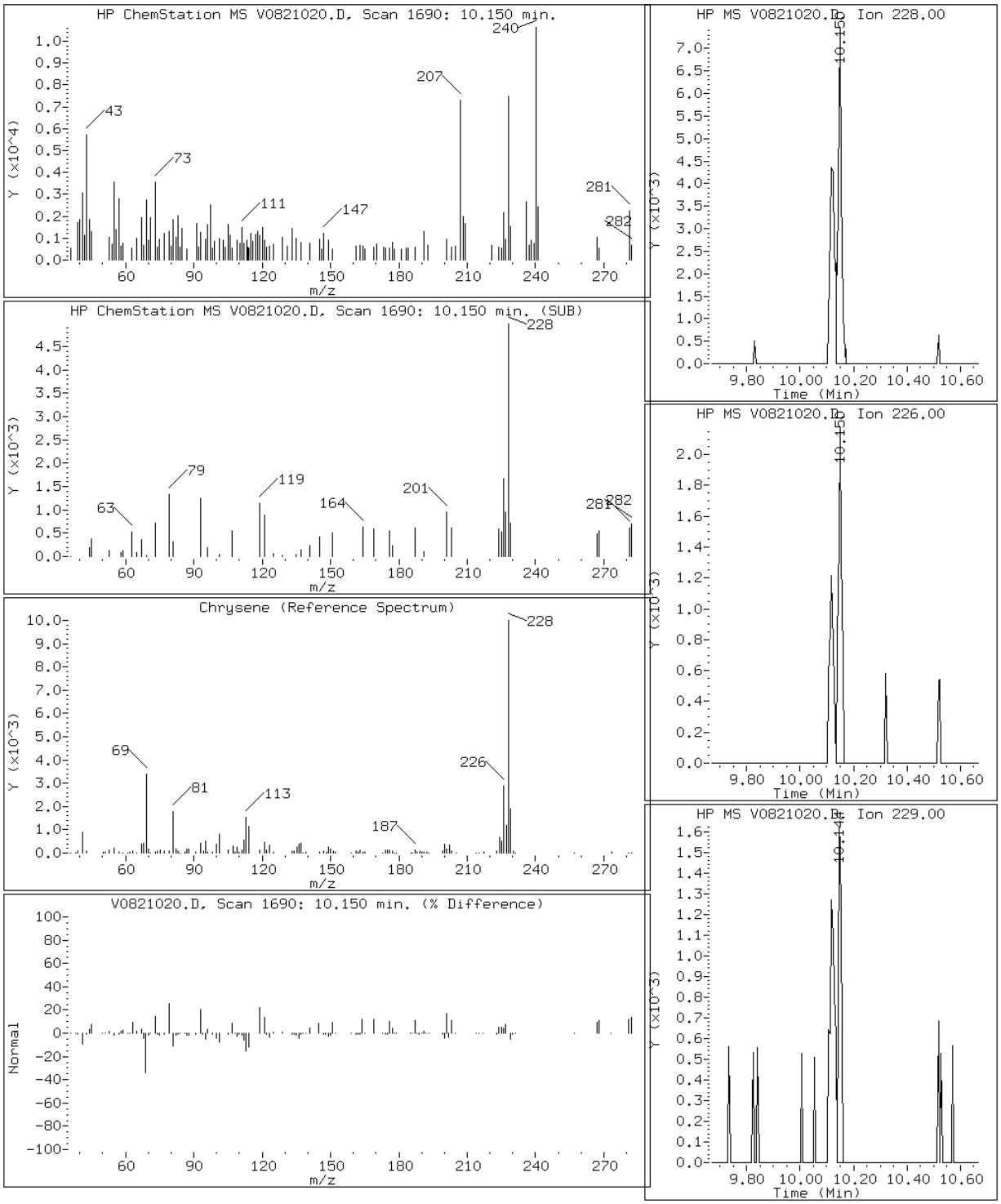
Data File: V0821020.D

Date: 22-AUG-2012 00:19

Client ID: MW-113 Instrument: 731.i

Sample Info: 180-13537-D-4-A Operator: 003200

137 Chrysene



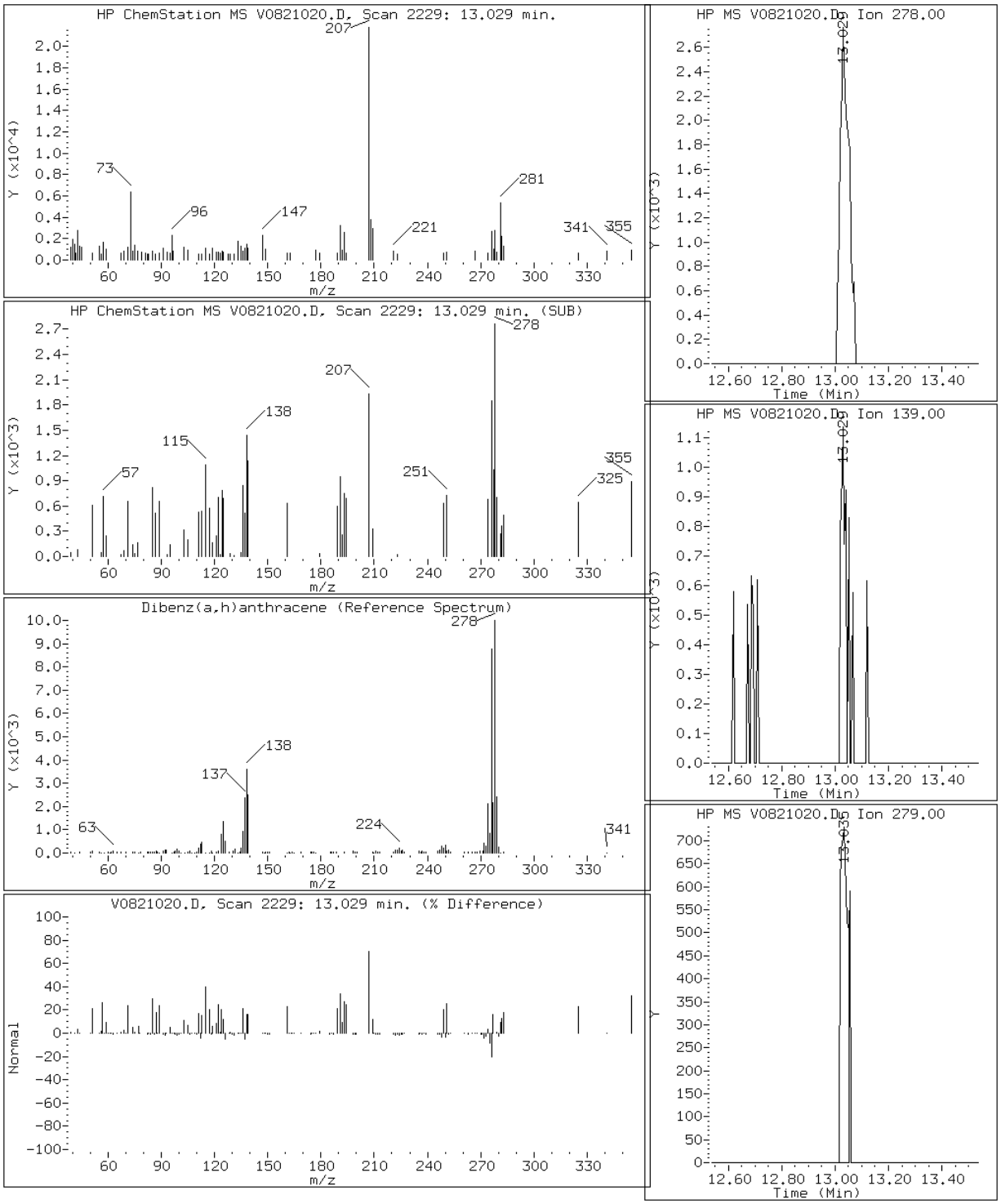
Data File: V0821020.D

Date: 22-AUG-2012 00:19

Client ID: MW-113 Instrument: 731.i

Sample Info: 180-13537-D-4-A Operator: 003200

150 Dibenz(a,h)anthracene



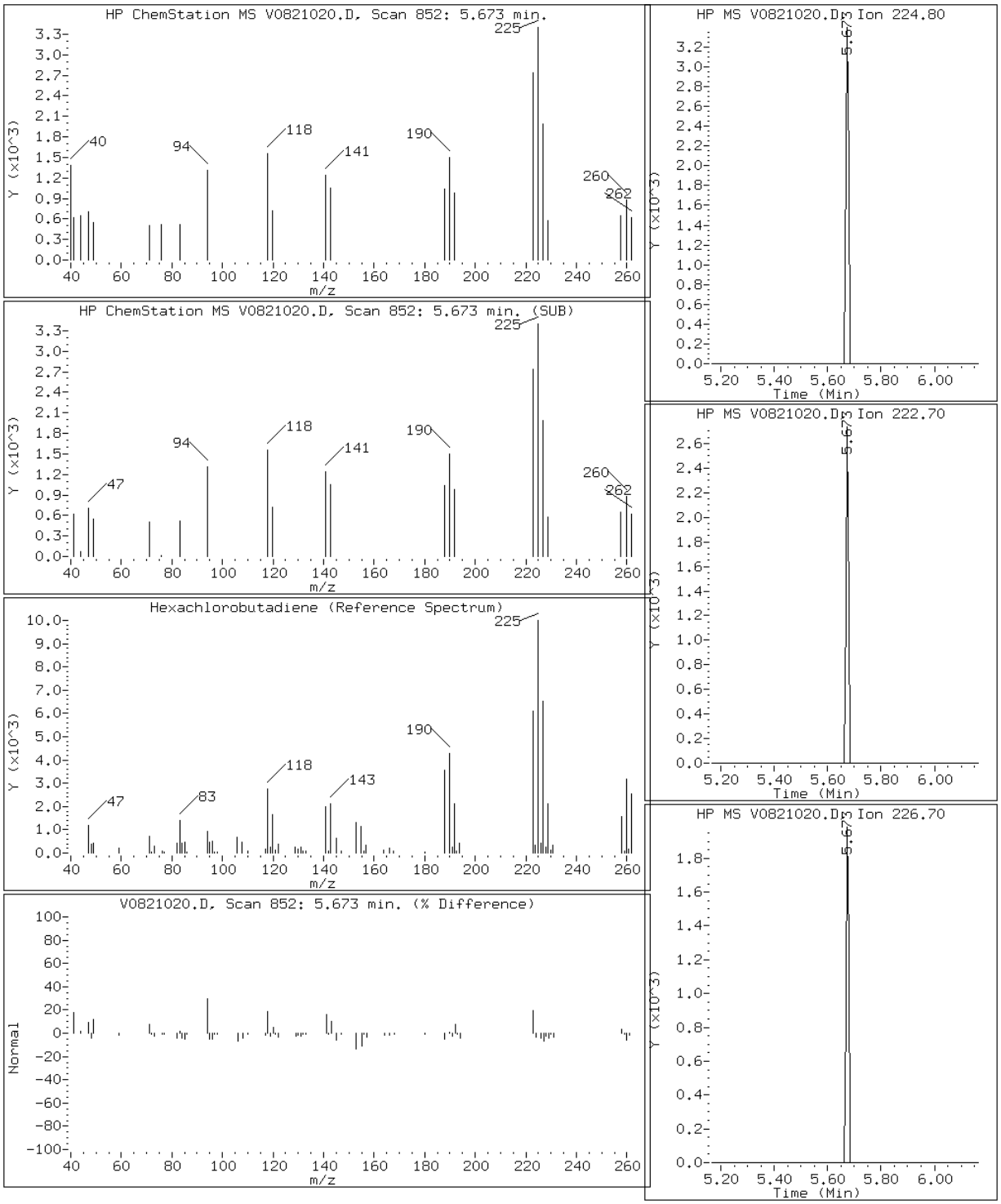
Data File: V0821020.D

Date: 22-AUG-2012 00:19

Client ID: MW-113 Instrument: 731.i

Sample Info: 180-13537-D-4-A Operator: 003200

56 Hexachlorobutadiene



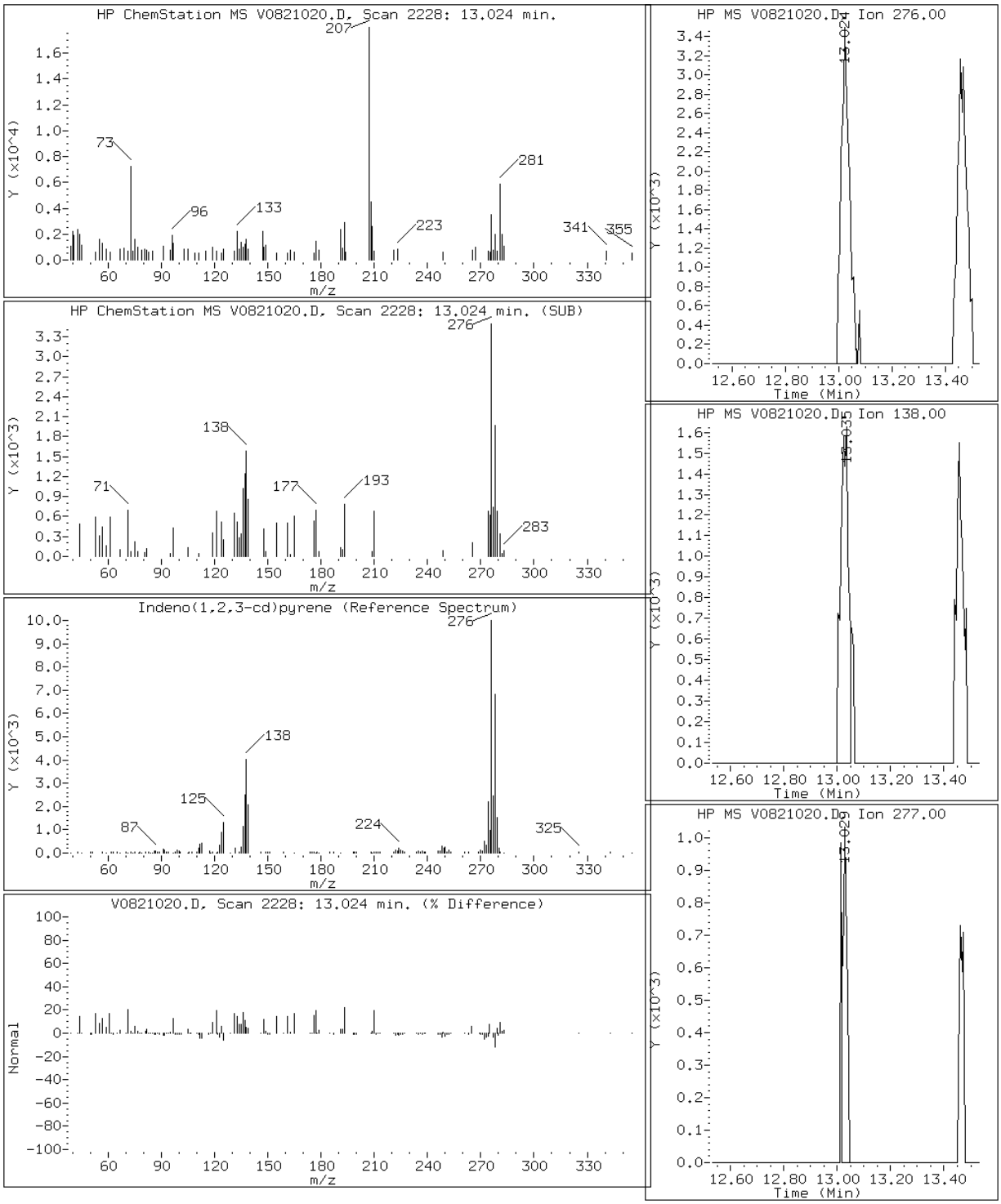
Data File: V0821020.D

Date: 22-AUG-2012 00:19

Client ID: MW-113 Instrument: 731.i

Sample Info: 180-13537-D-4-A Operator: 003200

149 Indeno(1,2,3-cd)pyrene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-13537-1
SDG No.:
Client Sample ID: MW-110 | Lab Sample ID: 180-13537-5
Matrix: Water | Lab File ID: V0821021.D
Analysis Method: 8270C LL | Date Collected: 08/16/2012 11:40
Extract. Method: 3520C | Date Extracted: 08/20/2012 10:22
Sample wt/vol: 1040(mL) | Date Analyzed: 08/22/2012 00:43
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.: 45848 | 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.: 180-13537-1

SDG No.:

Client Sample ID: MW-110 | Lab Sample ID: 180-13537-5

Matrix: Water | Lab File ID: V0821021.D

Analysis Method: 8270C LL | Date Collected: 08/16/2012 11:40

Extract. Method: 3520C | Date Extracted: 08/20/2012 10:22

Sample wt/vol: 1040(mL) | Date Analyzed: 08/22/2012 00:43

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.: 45848 | 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.: 180-13537-1

SDG No.:

Client Sample ID: MW-110 | Lab Sample ID: 180-13537-5

Matrix: Water | Lab File ID: V0821021.D

Analysis Method: 8270C LL | Date Collected: 08/16/2012 11:40

Extract. Method: 3520C | Date Extracted: 08/20/2012 10:22

Sample wt/vol: 1040(mL) | Date Analyzed: 08/22/2012 00:43

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.: 45848 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	43		16-122
321-60-8	2-Fluorobiphenyl	49		19-107
367-12-4	2-Fluorophenol	50		10-111
4165-60-0	Nitrobenzene-d5	49		23-112
4165-62-2	Phenol-d5	49		15-112
1718-51-0	Terphenyl-d14	56		10-132

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV082112.b\V0821021.D
Lab Smp Id: 180-13537-G-5-A Client Smp ID: MW-110
Inj Date : 22-AUG-2012 00:43
Operator : 003200 Inst ID: 731.i
Smp Info : 180-13537-G-5-A
Misc Info : 180-13537-G-5-A
Comment :
Method : \\PITSVR06\D\chem\731.i\TV082112.b\T8270ll.m
Meth Date : 22-Aug-2012 01:41 piccolinov Quant Type: ISTD
Cal Date : 13-AUG-2012 12:35 Cal File: V0813IC8.D
Als bottle: 23
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: padepi.sub
Target Version: 4.14
Processing Host: PITPC-502

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 1 1,4-Dichlorobenzene-d4	152	4.575	4.573	(1.000)	130454	8.00000	
* 2 Naphthalene-d8	136	5.547	5.540	(1.000)	600579	8.00000	
* 3 Acenaphthene-d10	164	6.894	6.892	(1.000)	372953	8.00000	
* 4 Phenanthrene-d10	188	8.042	8.035	(1.000)	677129	8.00000	
* 5 Chrysene-d12	240	10.115	10.140	(1.000)	729350	8.00000	
* 6 Perylene-d12	264	11.552	11.582	(1.000)	786007	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	7.214	7.207	(1.046)	6009	0.10800	0.10800
94 Fluorene	166	Compound Not Detected.					
95 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96 4-Nitroaniline	138	Compound Not Detected.					
98 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99 N-Nitrosodiphenylamine (1)	169	Compound Not Detected.					
100 1,2-Diphenylhydrazine	77	Compound Not Detected.					
106 4-Bromophenyl-phenylether	248	Compound Not Detected.					
107 Hexachlorobenzene	283	Compound Not Detected.					
210 Atrazine	200	Compound Not Detected.					
111 Pentachlorophenol	265	Compound Not Detected.					
115 Phenanthrene	178	Compound Not Detected.					
116 Anthracene	178	Compound Not Detected.					
119 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	Compound Not Detected.					
123 Fluoranthene	202	Compound Not Detected.					
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	Compound Not Detected.					
131 Butylbenzylphthalate	149	9.629	9.643	(0.952)	11174	0.23107	0.23107
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					

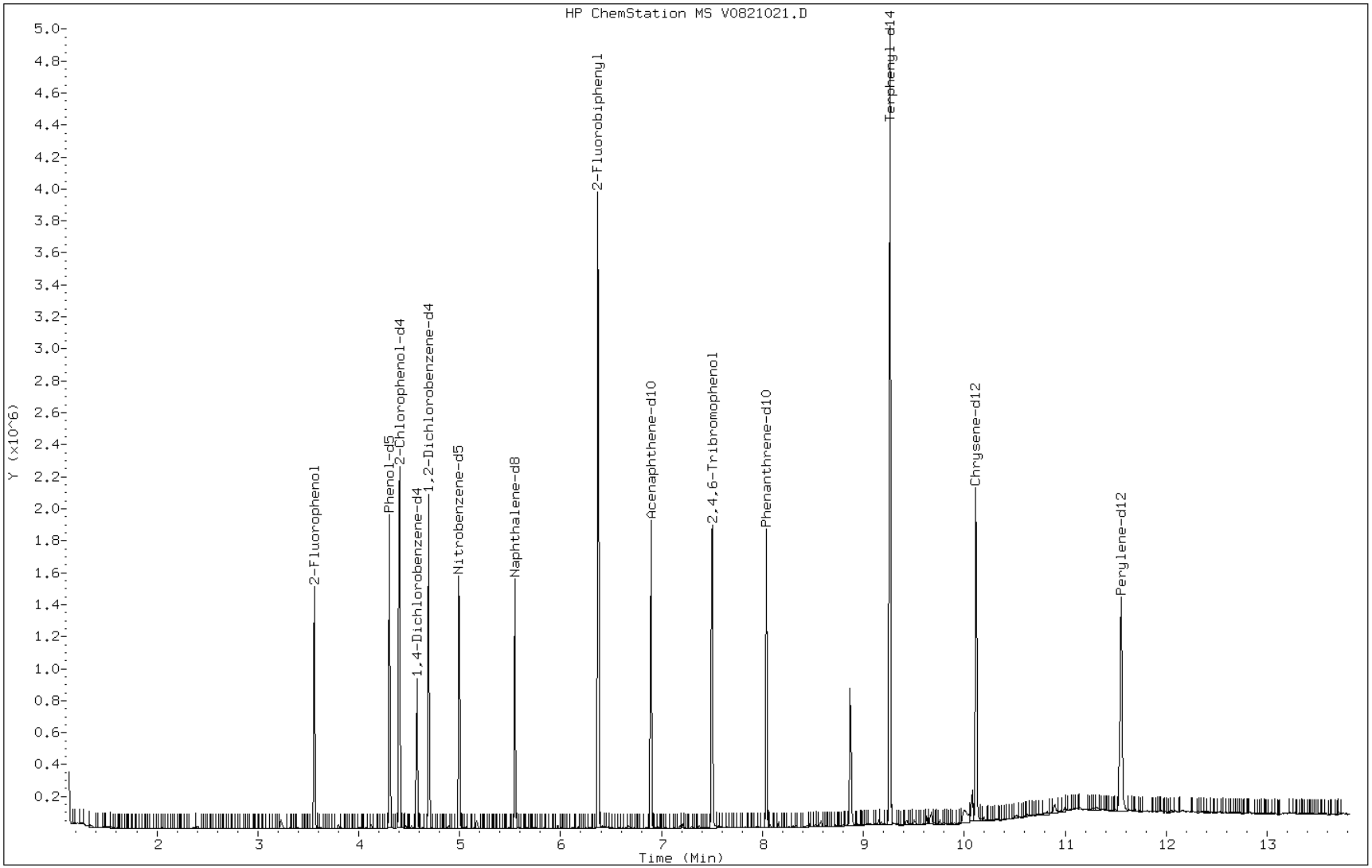
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
136 Benzo(a)Anthracene	228	Compound Not Detected.					
137 Chrysene	228	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	10.078	10.102	(0.996)	58777	0.84393	0.84392
140 Di-n-octylphthalate	149	Compound 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	4.992	4.990	(0.900)	419669	19.7244	19.724
$ 155 2-Fluorobiphenyl	172	6.370	6.368	(0.924)	1113333	19.7496	19.750
$ 156 Terphenyl-d14	244	9.260	9.264	(0.916)	1566872	22.2823	22.282
$ 157 Phenol-d5	99	4.303	4.301	(0.940)	610107	29.2295	29.230
$ 158 2-Fluorophenol	112	3.560	3.558	(0.778)	450546	30.0320	30.032
$ 159 2,4,6-Tribromophenol	330	7.503	7.495	(0.933)	190376	26.0221	26.022
$ 186 2-Chlorophenol-d4	132	4.404	4.397	(0.963)	655673	30.9237	30.924
$ 187 1,2-Dichlorobenzene-d4	152	4.693	4.691	(1.026)	293620	18.9655	18.965

Data File: V0821021.D

Date: 22-AUG-2012 00:43

Client ID: MW-110 Instrument: 731.i

Sample Info: 180-13537-G-5-A Operator: 003200



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-13537-1

SDG No.:

Client Sample ID: MW-102 | Lab Sample ID: 180-13537-6

Matrix: Water | Lab File ID: V0821022.D

Analysis Method: 8270C LL | Date Collected: 08/16/2012 12:00

Extract. Method: 3520C | Date Extracted: 08/20/2012 10:22

Sample wt/vol: 1010(mL) | Date Analyzed: 08/22/2012 01:07

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.: 45848 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		0.20	0.014
208-96-8	Acenaphthylene	ND		0.20	0.015
98-86-2	Acetophenone	ND		0.99	0.079
120-12-7	Anthracene	ND		0.20	0.15
1912-24-9	Atrazine	ND		0.99	0.088
100-52-7	Benzaldehyde	ND		0.99	0.15
56-55-3	Benzo[a]anthracene	0.020	J	0.20	0.015
205-99-2	Benzo[b]fluoranthene	ND		0.20	0.016
207-08-9	Benzo[k]fluoranthene	ND		0.20	0.054
191-24-2	Benzo[g,h,i]perylene	ND		0.20	0.015
50-32-8	Benzo[a]pyrene	ND		0.20	0.013
111-91-1	Bis(2-chloroethoxy)methane	ND		0.99	0.058
111-44-4	Bis(2-chloroethyl)ether	ND		0.20	0.025
117-81-7	Bis(2-ethylhexyl) phthalate	ND		2.0	1.2
85-68-7	Butyl benzyl phthalate	ND		0.99	0.14
92-52-4	1,1'-Biphenyl	ND		0.99	0.041
105-60-2	Caprolactam	ND		5.0	1.2
86-74-8	Carbazole	ND		0.20	0.016
218-01-9	Chrysene	0.016	J	0.20	0.014
91-58-7	2-Chloronaphthalene	ND		0.20	0.015
95-57-8	2-Chlorophenol	ND		0.99	0.16
120-83-2	2,4-Dichlorophenol	ND		0.20	0.033
105-67-9	2,4-Dimethylphenol	ND		0.99	0.084
51-28-5	2,4-Dinitrophenol	ND		5.0	0.61
121-14-2	2,4-Dinitrotoluene	ND		0.99	0.053
606-20-2	2,6-Dinitrotoluene	ND		0.99	0.079
91-57-6	2-Methylnaphthalene	ND		0.20	0.012
95-48-7	2-Methylphenol	ND		0.99	0.085
88-74-4	2-Nitroaniline	ND		5.0	0.35
88-75-5	2-Nitrophenol	ND		0.99	0.17
108-60-1	2,2'-oxybis[1-chloropropane]	ND		0.20	0.020
95-95-4	2,4,5-Trichlorophenol	ND		0.99	0.15
88-06-2	2,4,6-Trichlorophenol	ND		0.99	0.17
100-01-6	4-Nitroaniline	ND		5.0	0.17

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-13537-1

SDG No.:

Client Sample ID: MW-102 | Lab Sample ID: 180-13537-6

Matrix: Water | Lab File ID: V0821022.D

Analysis Method: 8270C LL | Date Collected: 08/16/2012 12:00

Extract. Method: 3520C | Date Extracted: 08/20/2012 10:22

Sample wt/vol: 1010(mL) | Date Analyzed: 08/22/2012 01:07

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.: 45848 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	ND		5.0	0.64
7005-72-3	4-Chlorophenyl phenyl ether	ND		0.99	0.050
106-44-5	Methylphenol, 3 & 4	ND		0.99	0.089
534-52-1	4,6-Dinitro-2-methylphenol	ND		5.0	0.22
106-47-8	4-Chloroaniline	ND		0.99	0.088
59-50-7	4-Chloro-3-methylphenol	ND		0.99	0.075
101-55-3	4-Bromophenyl phenyl ether	ND		0.99	0.063
53-70-3	Dibenz(a,h)anthracene	ND		0.20	0.015
132-64-9	Dibenzofuran	ND		0.99	0.061
84-74-2	Di-n-butyl phthalate	ND		0.99	0.12
84-66-2	Diethyl phthalate	ND		0.99	0.14
131-11-3	Dimethyl phthalate	ND		0.99	0.076
117-84-0	Di-n-octyl phthalate	ND		0.99	0.20
91-94-1	3,3'-Dichlorobenzidine	ND		0.99	0.11
99-09-2	3-Nitroaniline	ND		5.0	0.32
206-44-0	Fluoranthene	ND		0.20	0.016
86-73-7	Fluorene	ND		0.20	0.021
118-74-1	Hexachlorobenzene	ND		0.20	0.018
87-68-3	Hexachlorobutadiene	1.2		0.20	0.016
77-47-4	Hexachlorocyclopentadiene	ND	*	0.99	0.051
67-72-1	Hexachloroethane	0.14	J	0.99	0.062
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.20	0.020
78-59-1	Isophorone	ND		0.99	0.064
91-20-3	Naphthalene	ND		0.20	0.014
98-95-3	Nitrobenzene	ND		2.0	0.083
86-30-6	N-Nitrosodiphenylamine	ND		0.99	0.084
621-64-7	N-Nitrosodi-n-propylamine	ND		0.20	0.030
129-00-0	Pyrene	ND		0.20	0.016
108-95-2	Phenol	ND		0.20	0.058
85-01-8	Phenanthrene	0.042	J	0.20	0.042
87-86-5	Pentachlorophenol	ND		0.99	0.066
123-91-1	1,4-Dioxane	ND		2.0	0.14

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-13537-1

SDG No.:

Client Sample ID: MW-102 | Lab Sample ID: 180-13537-6

Matrix: Water | Lab File ID: V0821022.D

Analysis Method: 8270C LL | Date Collected: 08/16/2012 12:00

Extract. Method: 3520C | Date Extracted: 08/20/2012 10:22

Sample wt/vol: 1010(mL) | Date Analyzed: 08/22/2012 01:07

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.: 45848 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	51		16-122
321-60-8	2-Fluorobiphenyl	52		19-107
367-12-4	2-Fluorophenol	57		10-111
4165-60-0	Nitrobenzene-d5	54		23-112
4165-62-2	Phenol-d5	55		15-112
1718-51-0	Terphenyl-d14	57		10-132

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV082112.b\V0821022.D
Lab Smp Id: 180-13537-H-6-A Client Smp ID: MW-102
Inj Date : 22-AUG-2012 01:07
Operator : 003200 Inst ID: 731.i
Smp Info : 180-13537-H-6-A
Misc Info : 180-13537-H-6-A
Comment :
Method : \\PITSVR06\D\chem\731.i\TV082112.b\T8270ll.m
Meth Date : 22-Aug-2012 01:41 piccolinov Quant Type: ISTD
Cal Date : 13-AUG-2012 12:35 Cal File: V0813IC8.D
Als bottle: 24
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: padepi.sub
Target Version: 4.14
Processing Host: PITPC-502

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 1 1,4-Dichlorobenzene-d4	152	4.580	4.573	(1.000)	127782	8.00000	
* 2 Naphthalene-d8	136	5.553	5.540	(1.000)	583688	8.00000	
* 3 Acenaphthene-d10	164	6.904	6.892	(1.000)	375462	8.00000	
* 4 Phenanthrene-d10	188	8.047	8.035	(1.000)	677588	8.00000	
* 5 Chrysene-d12	240	10.126	10.140	(1.000)	723381	8.00000	
* 6 Perylene-d12	264	11.568	11.582	(1.000)	789292	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	4.976	4.963	(1.086)	3049	0.29053	0.29053
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	5.323	5.332	(0.959)	864	0.06396	0.063961
50 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51 Naphthalene	128	Compound Not Detected.					
52 4-Chloroaniline	127	Compound Not Detected.					
54 2,6-Dichlorophenol	162	Compound Not Detected.					
56 Hexachlorobutadiene	225	5.676	5.663	(1.022)	32290	2.38464	2.3846
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	8.063	8.051	(1.002)	8362	0.08476	0.084757
116 Anthracene	178	Compound Not Detected.					
119 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	Compound Not Detected.					
123 Fluoranthene	202	Compound Not Detected.					
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	Compound Not Detected.					
131 Butylbenzylphthalate	149	9.639	9.643	(0.952)	6444	0.13435	0.13435
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					

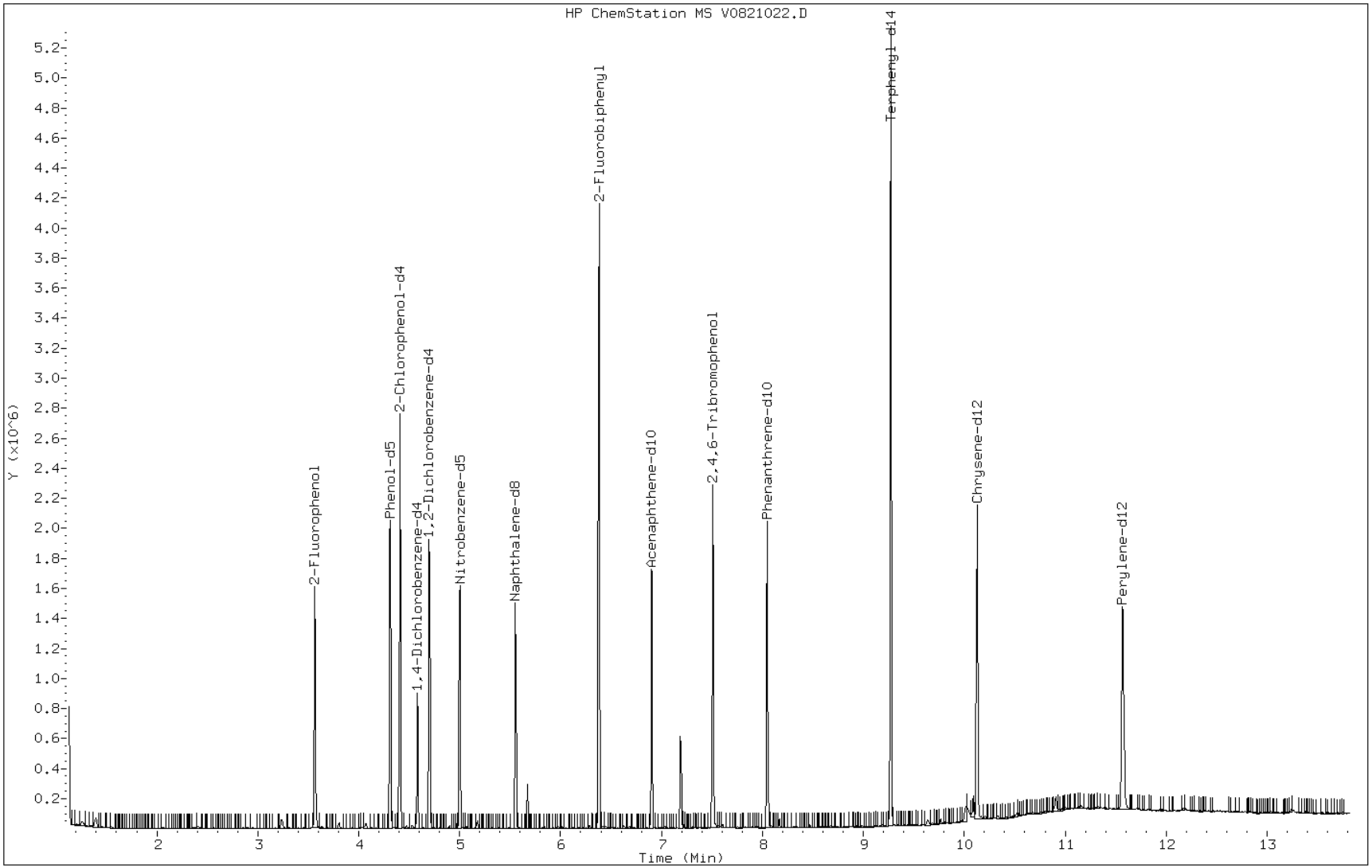
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
136 Benzo(a)Anthracene	228	10.120	10.134	(0.999)	4180	0.04023	0.040225
137 Chrysene	228	10.147	10.166	(1.002)	3216	0.03226	0.032262
139 bis(2-ethylhexyl)Phthalate	149	10.088	10.102	(0.996)	36404	0.52700	0.52700
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	11.135	11.155	(0.963)	4019	0.03021	0.030206
142 Benzo(k)fluoranthene	252	11.162	11.181	(0.965)	4526	0.03567	0.035668
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
146 Benzo(a)pyrene	252	Compound Not Detected.					
149 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
150 Dibenz(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 154 Nitrobenzene-d5	82	5.002	4.990	(0.901)	450559	21.7890	21.789
$ 155 2-Fluorobiphenyl	172	6.381	6.368	(0.924)	1169638	20.6097	20.610
$ 156 Terphenyl-d14	244	9.271	9.264	(0.916)	1596964	22.8976	22.898
$ 157 Phenol-d5	99	4.313	4.301	(0.942)	673180	32.9257	32.926
$ 158 2-Fluorophenol	112	3.565	3.558	(0.778)	506676	34.4797	34.480
$ 159 2,4,6-Tribromophenol	330	7.508	7.495	(0.933)	224208	30.6258	30.626
$ 186 2-Chlorophenol-d4	132	4.409	4.397	(0.963)	714331	34.3947	34.395
$ 187 1,2-Dichlorobenzene-d4	152	4.698	4.691	(1.026)	300127	19.7911	19.791

Data File: V0821022.D

Date: 22-AUG-2012 01:07

Client ID: MW-102 Instrument: 731.i

Sample Info: 180-13537-H-6-A Operator: 003200



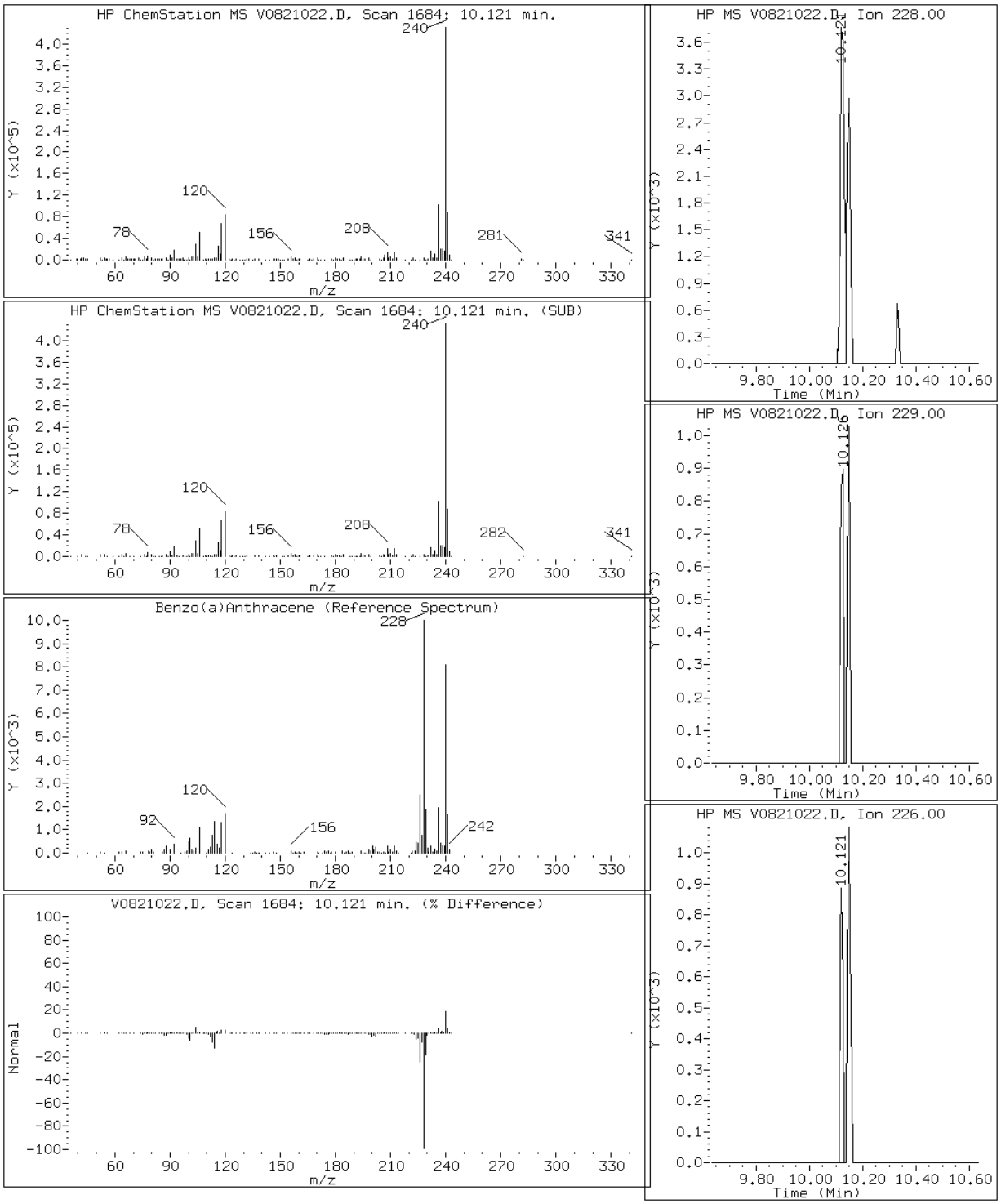
Data File: V0821022.D

Date: 22-AUG-2012 01:07

Client ID: MW-102 Instrument: 731.i

Sample Info: 180-13537-H-6-A Operator: 003200

136 Benzo(a)Anthracene



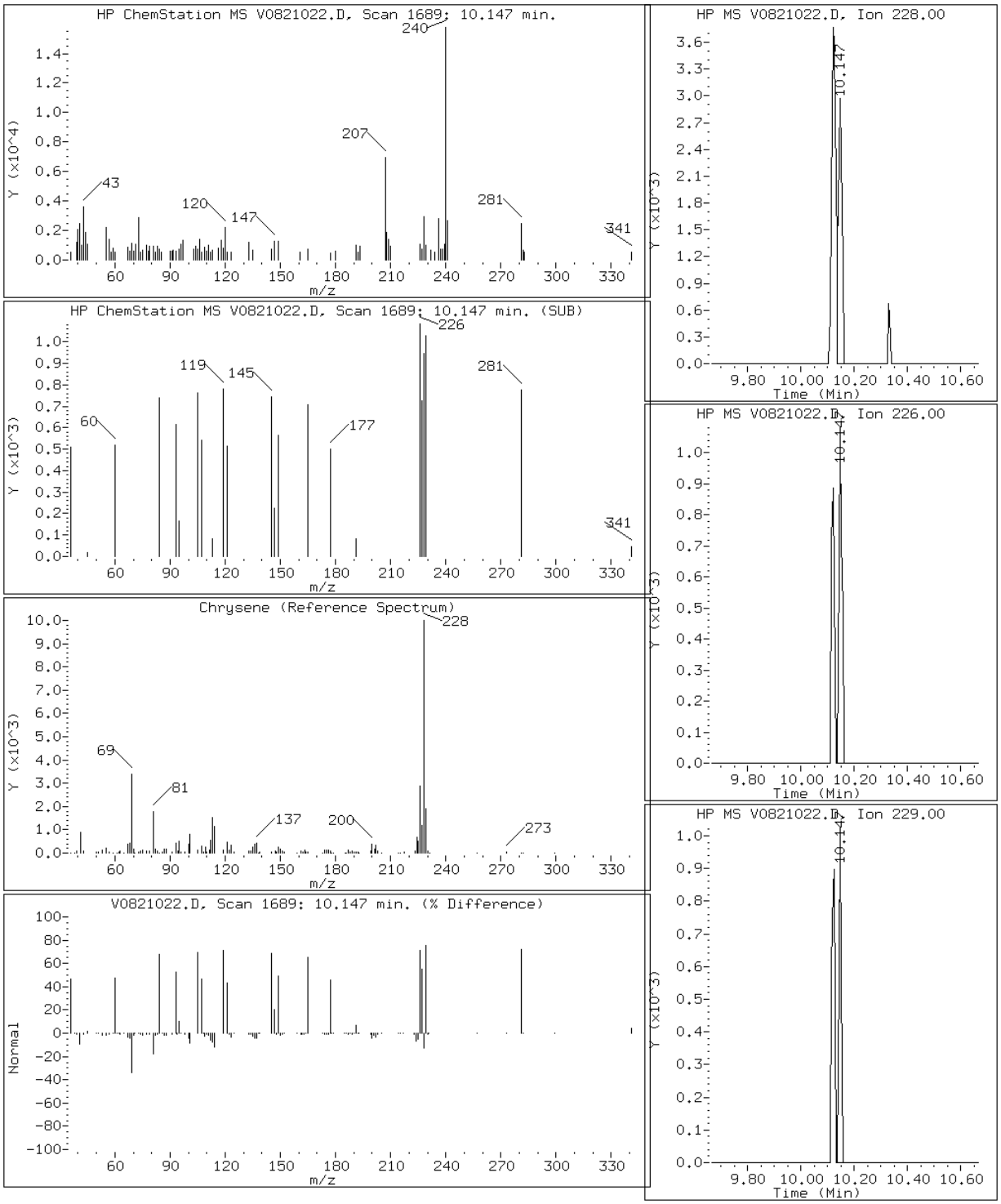
Data File: V0821022.D

Date: 22-AUG-2012 01:07

Client ID: MW-102 Instrument: 731.i

Sample Info: 180-13537-H-6-A Operator: 003200

137 Chrysene



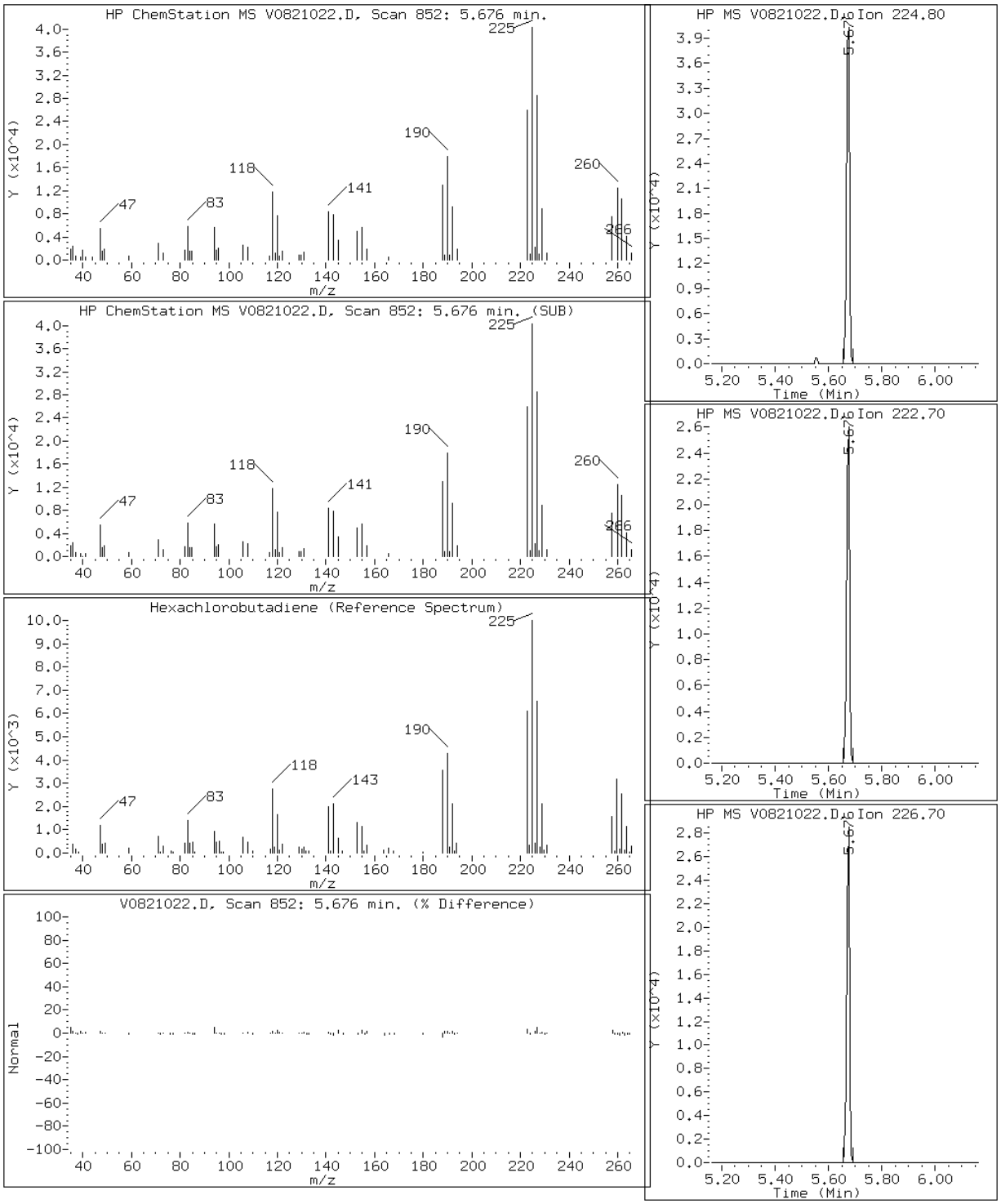
Data File: V0821022.D

Date: 22-AUG-2012 01:07

Client ID: MW-102 Instrument: 731.i

Sample Info: 180-13537-H-6-A Operator: 003200

56 Hexachlorobutadiene



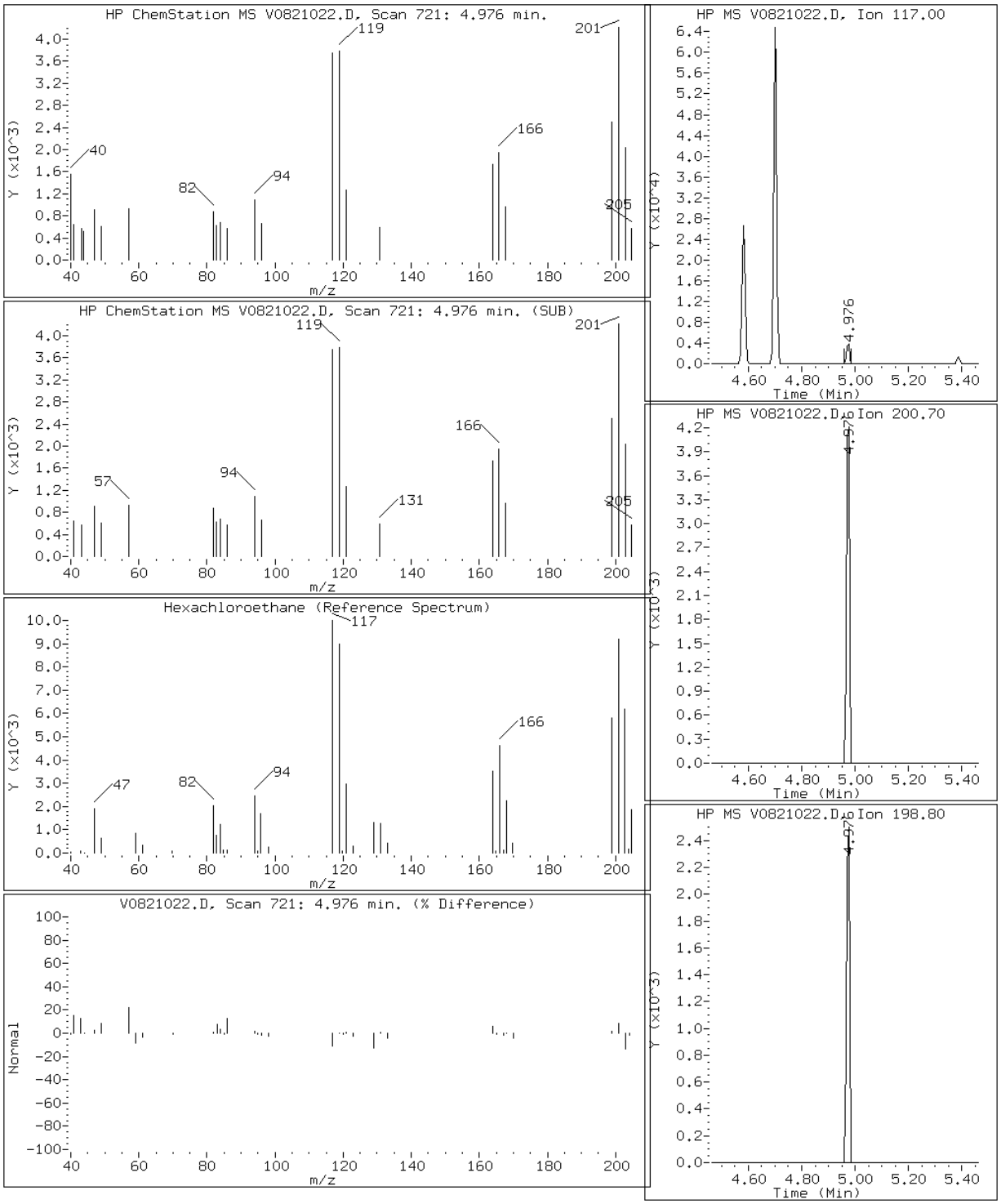
Data File: V0821022.D

Date: 22-AUG-2012 01:07

Client ID: MW-102 Instrument: 731.i

Sample Info: 180-13537-H-6-A Operator: 003200

34 Hexachloroethane



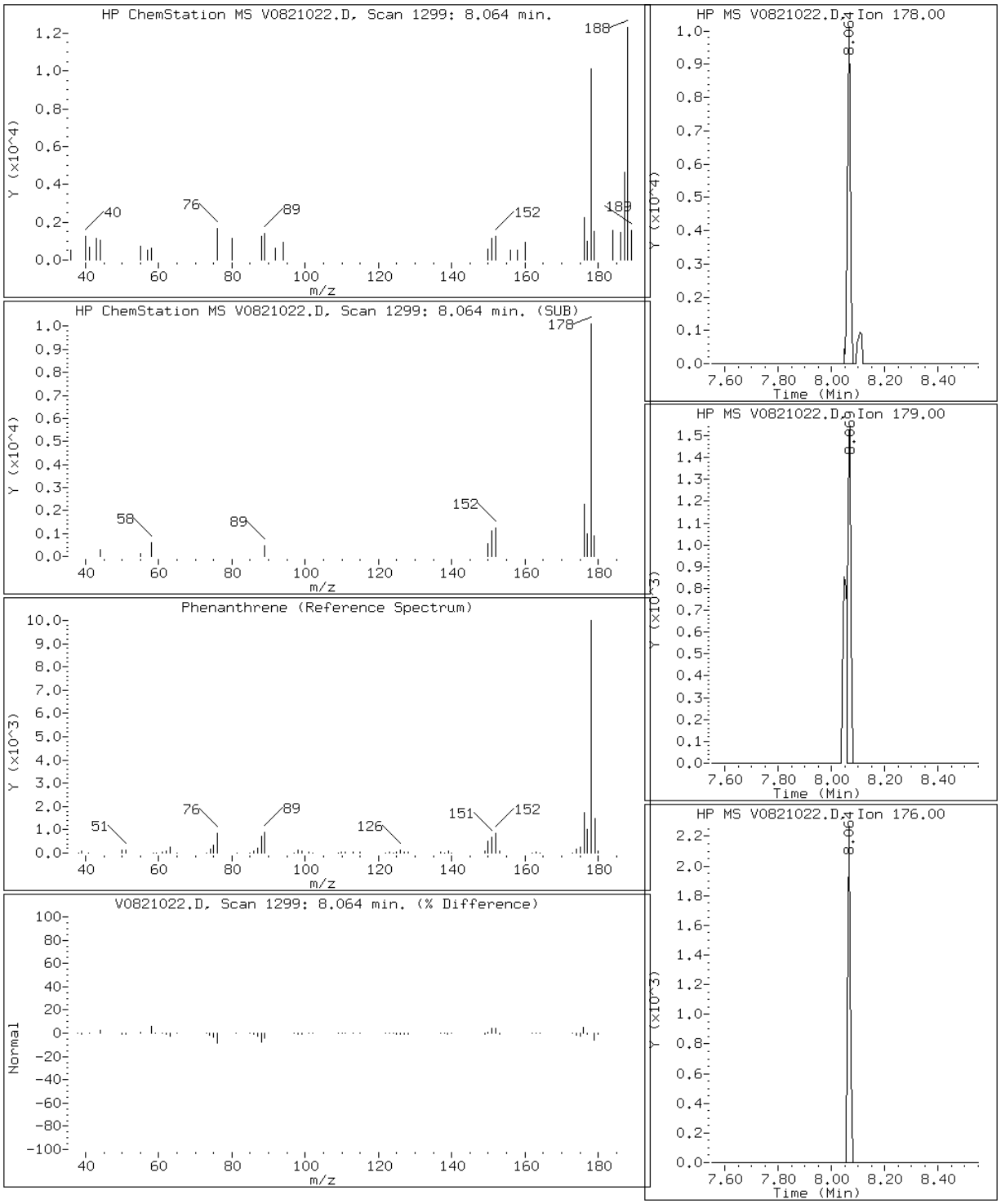
Data File: V0821022.D

Date: 22-AUG-2012 01:07

Client ID: MW-102 Instrument: 731.i

Sample Info: 180-13537-H-6-A Operator: 003200

115 Phenanthrene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-13537-1

SDG No.:

Client Sample ID: IDW-1 | Lab Sample ID: 180-13537-7

Matrix: Water (TCLP) | Lab File ID: V0825010.D

Analysis Method: 8270C | Date Collected: 08/16/2012 13:30

Extract. Method: 3520C | Date Extracted: 08/21/2012 14:30

Sample wt/vol: 200(mL) | Date Analyzed: 08/25/2012 18:28

Con. Extract Vol.: 10.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 46366 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-46-7	1,4-Dichlorobenzene	ND		50	3.7
95-95-4	2,4,5-Trichlorophenol	ND		50	7.6
88-06-2	2,4,6-Trichlorophenol	ND		50	8.7
121-14-2	2,4-Dinitrotoluene	ND		50	2.7
95-48-7	2-Methylphenol	ND		50	4.3
118-74-1	Hexachlorobenzene	ND		10	0.92
87-68-3	Hexachlorobutadiene	ND		10	0.83
67-72-1	Hexachloroethane	ND		50	3.1
98-95-3	Nitrobenzene	ND		100	4.2
87-86-5	Pentachlorophenol	ND		50	3.3
110-86-1	Pyridine	ND		50	3.6
106-44-5	Methylphenol, 3 & 4	ND		50	4.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	76		35-108
367-12-4	2-Fluorophenol	84		26-100
4165-60-0	Nitrobenzene-d5	72		37-104
4165-62-2	Phenol-d5	84		30-102
1718-51-0	Terphenyl-d14	78		25-130
118-79-6	2,4,6-Tribromophenol	69		33-122

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV082512.b\V0825010.D
Lab Smp Id: 180-13537-A-7-B Client Smp ID: IDW-1
Inj Date : 25-AUG-2012 18:28
Operator : 003200 Inst ID: 731.i
Smp Info : 180-13537-A-7-B
Misc Info : 180-13537-A-7-B
Comment :
Method : \\PITSVR06\D\chem\731.i\TV082512.b\T8270ll.m
Meth Date : 27-Aug-2012 04:47 piccolinov Quant Type: ISTD
Cal Date : 13-AUG-2012 12:35 Cal File: V0813IC8.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: tclp.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	4.557	4.571	(1.000)	145520	8.00000	
* 2 Naphthalene-d8	136	5.529	5.544	(1.000)	673637	8.00000	
* 3 Acenaphthene-d10	164	6.875	6.895	(1.000)	408650	8.00000	(M)
* 4 Phenanthrene-d10	188	8.024	8.044	(1.000)	687346	8.00000	
* 5 Chrysene-d12	240	10.081	10.100	(1.000)	626496	8.00000	
* 6 Perylene-d12	264	11.491	11.527	(1.000)	597432	8.00000	
9 Pyridine	79	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					
M 195 Cresols, total	100	Compound Not Detected.					
30 2-Methylphenol	108	Compound Not Detected.					
192 4-Methylphenol	108	Compound Not Detected.					
34 Hexachloroethane	117	Compound Not Detected.					
35 Nitrobenzene	77	Compound Not Detected.					
56 Hexachlorobutadiene	224	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	Compound Not Detected.					
67 2,4,5-Trichlorophenol	196	Compound Not Detected.					
87 2,4-Dinitrotoluene	165	Compound Not Detected.					
107 Hexachlorobenzene	283	Compound Not Detected.					
111 Pentachlorophenol	265	Compound Not Detected.					
$ 154 Nitrobenzene-d5	82	4.973	4.988	(0.900)	684062	28.6640	28.664
$ 155 2-Fluorobiphenyl	172	6.352	6.372	(0.924)	1868747	30.2542	30.254(M)
$ 156 Terphenyl-d14	244	9.242	9.267	(0.917)	1880978	31.1406	31.141
$ 157 Phenol-d5	99	4.290	4.299	(0.941)	1176724	50.5388	50.539
$ 158 2-Fluorophenol	112	3.542	3.546	(0.777)	843845	50.4246	50.425
$ 159 2,4,6-Tribromophenol	330	7.484	7.504	(0.933)	308501	41.5415	41.542

QC Flag Legend

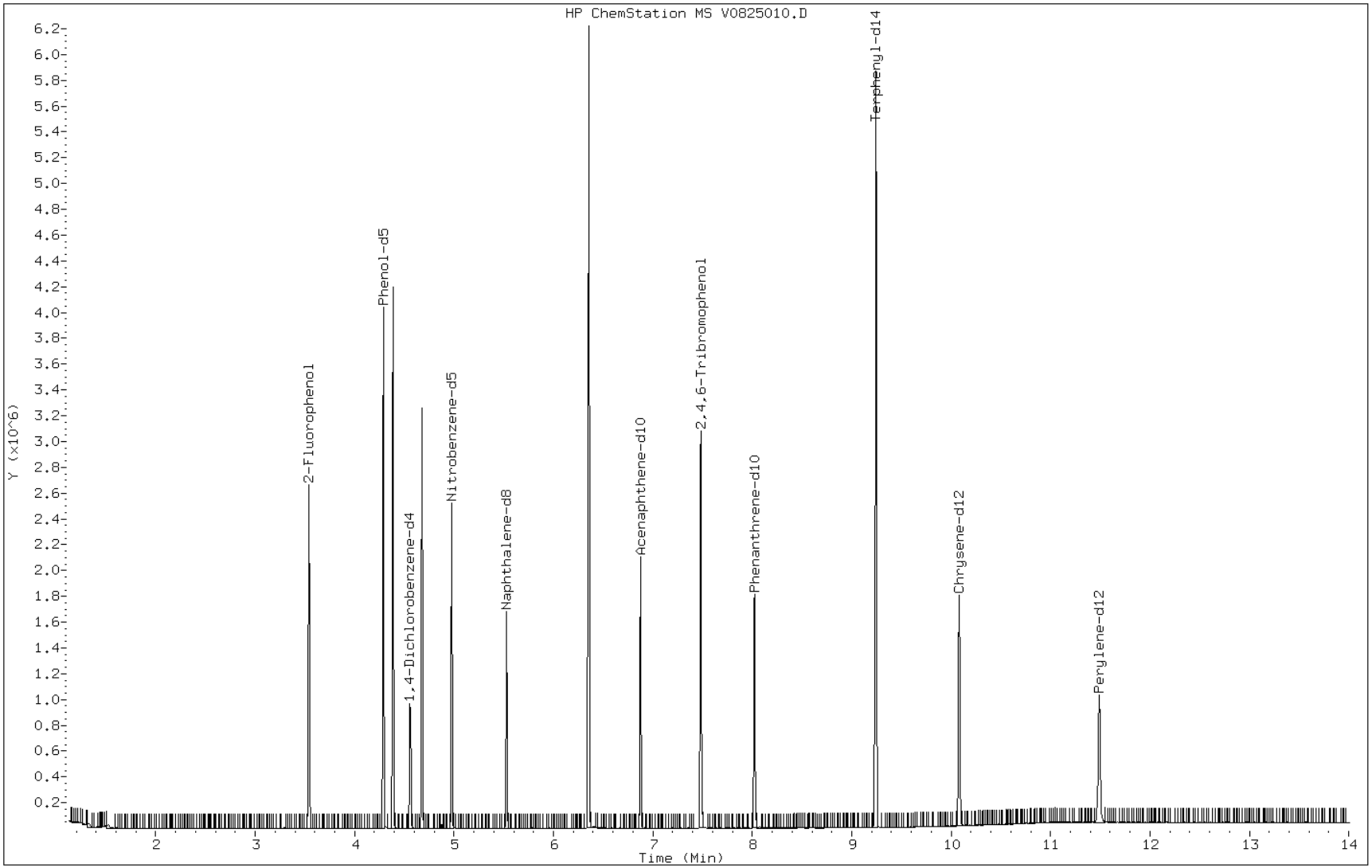
M - Compound response manually integrated.

Data File: V0825010.D

Date: 25-AUG-2012 18:28

Client ID: IDW-1 Instrument: 731.i

Sample Info: 180-13537-A-7-B Operator: 003200



Manual Integration Report

Data File: V0825010.D
Inj. Date and Time: 25-AUG-2012 18:28
Instrument ID: 731.i
Client ID: IDW-1
Compound: 3 Acenaphthene-d10
CAS #: 15067-26-2
Report Date: 08/27/2012

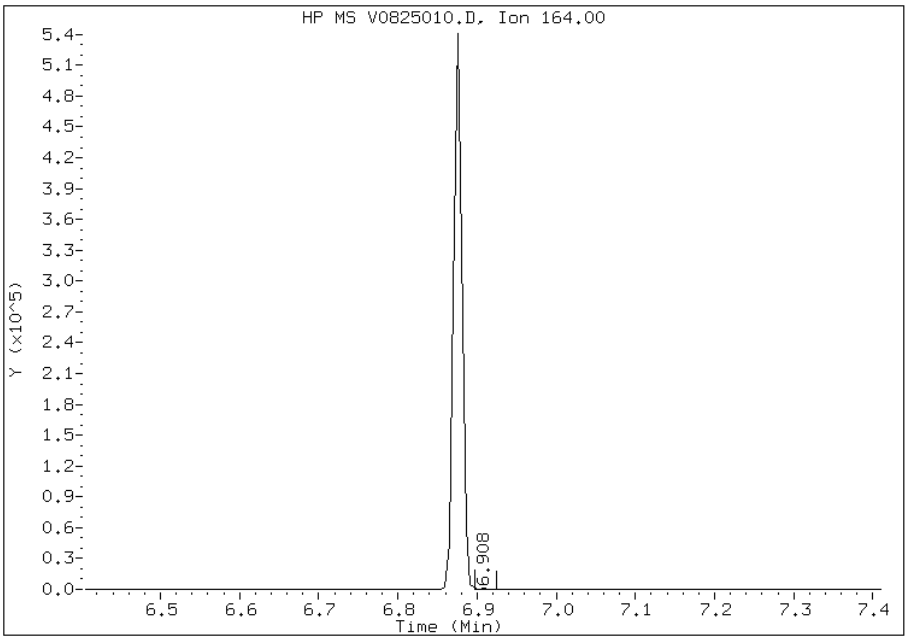
Processing Integration Results

RT: 6.91

Response: 968

Amount: 8

Conc: 8



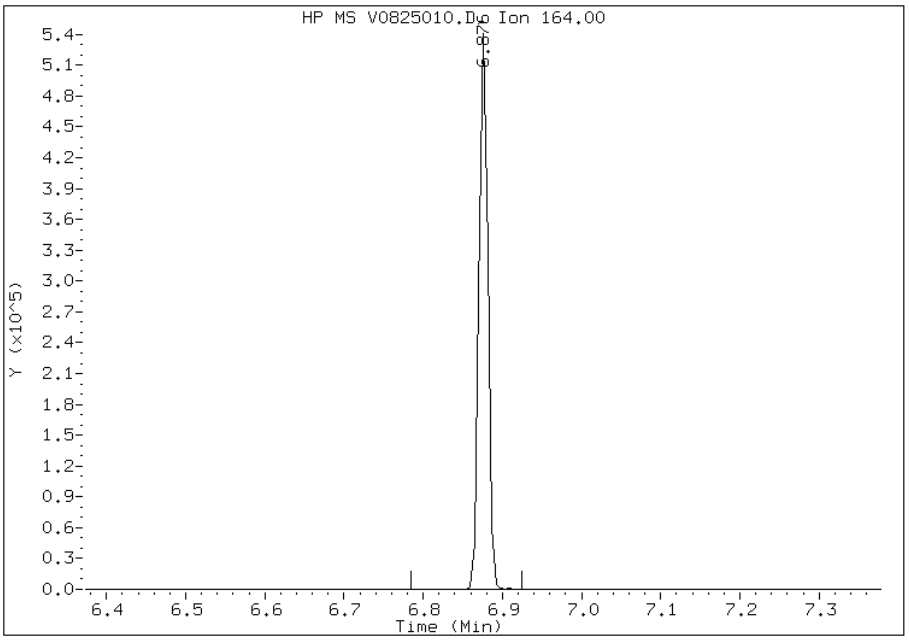
Manual Integration Results

RT: 6.88

Response: 408650

Amount: 8

Conc: 8



Manually Integrated By: piccolinov
Modification Date: 27-Aug-2012 04:53
Manual Integration Reason: Peak Not Found

Manual Integration Report

Data File: V0825010.D
Inj. Date and Time: 25-AUG-2012 18:28
Instrument ID: 731.i
Client ID: IDW-1
Compound: 155 2-Fluorobiphenyl
CAS #: 321-60-8
Report Date: 08/27/2012

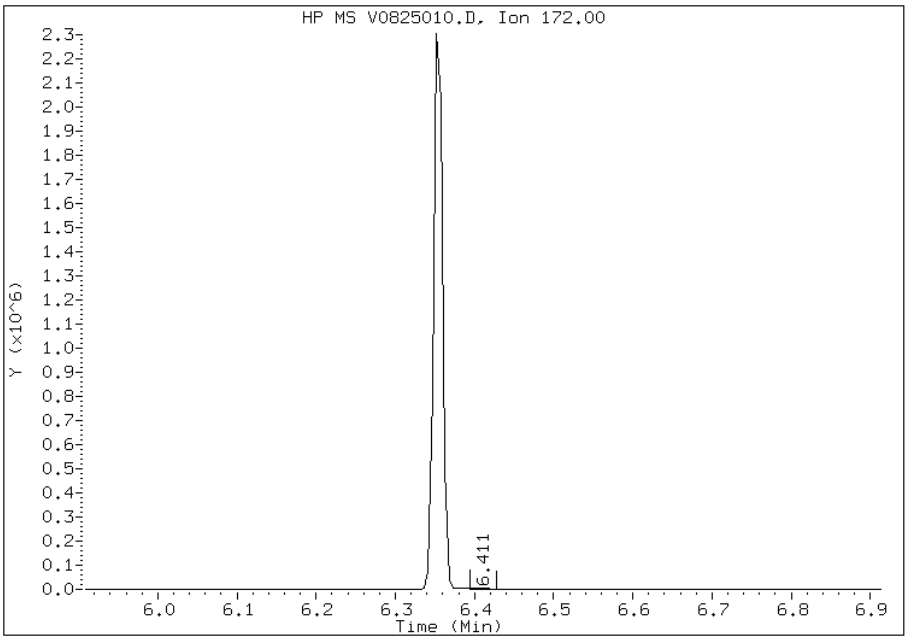
Processing Integration Results

RT: 6.41

Response: 4009

Amount: 27

Conc: 27



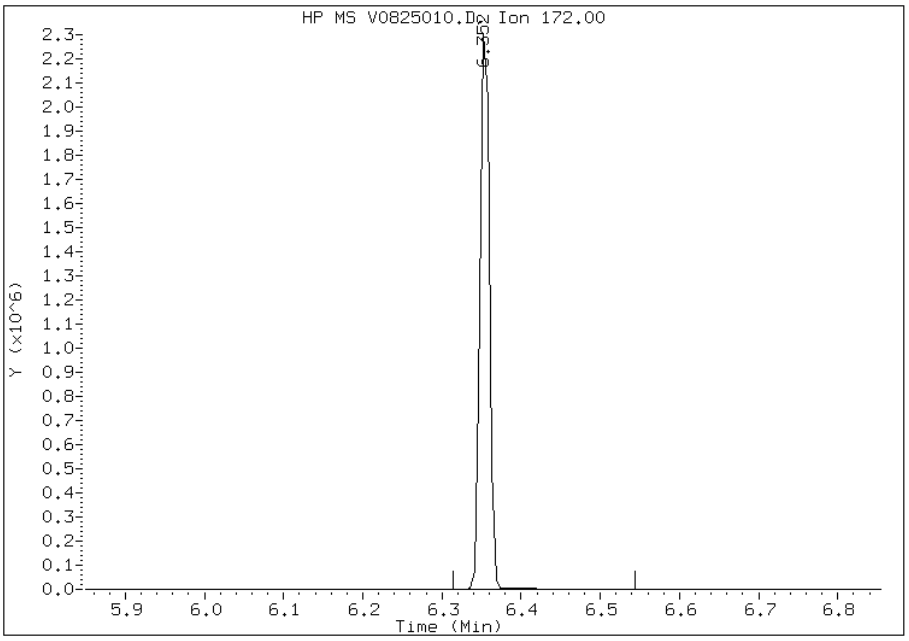
Manual Integration Results

RT: 6.35

Response: 1868747

Amount: 30

Conc: 30



Manually Integrated By: piccolinov
Modification Date: 27-Aug-2012 04:53
Manual Integration Reason: Poor Chromatography

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

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 44802

SDG No.:

Instrument ID: 731 GC Column: Rxi-5SilMS ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/13/2012 09:53 Calibration End Date: 08/13/2012 12:35 Calibration ID: 6233

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-44802/2	V0813IC1.D
Level 2	IC 180-44802/3	V0813IC2.D
Level 3	ICIS 180-44802/4	V0813IC3.D
Level 4	IC 180-44802/5	V0813IC4.D
Level 5	IC 180-44802/6	V0813IC5.D
Level 6	IC 180-44802/7	V0813IC6.D
Level 7	IC 180-44802/8	V0813IC7.D
Level 8	IC 180-44802/9	V0813IC8.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	+++++ 0.2292	0.3005 0.2404	0.2499 0.2379	0.2499	0.2346	Ave		0.2489				9.6		15.0			
N-Nitrosodimethylamine	0.2891 0.3273	0.3567 0.3428	0.3480 0.3271	0.3492	0.3492	Ave		0.3362				6.5		15.0			
Pyridine	0.3860 0.6059	0.6621 0.5986	0.6123 0.5795	0.6337	0.6219	Ave		0.5875				14.5		15.0			
Methyl methanesulfonate	0.4535 0.4122	0.4811 0.3998	0.4320 0.3801	0.4533	0.4327	Ave		0.4306				7.6		15.0			
Benzaldehyde	0.4695 0.6239	0.4826 +++++	0.4415 +++++	0.7580	0.7142	Qua	0.1270	1.0446	0.1652					15.0	0.9984		0.9900
Phenol	1.7538 1.3974	1.6786 1.2859	1.5879 1.1907	1.6193	1.4984	Ave		1.5015				13.1		30.0			
Aniline	1.7183 1.4314	1.6785 1.2695	1.4852 1.1719	1.6493	1.5572	Ave		1.4951				13.2		15.0			
Bis(2-chloroethyl)ether	1.1384 1.0166	1.1727 0.9853	1.0595 0.9410	1.0981	1.0698	Ave		1.0602				7.3		15.0			
2-Chlorophenol	1.4899 1.2662	1.3889 1.2445	1.3545 1.1643	1.3988	1.3177	Ave		1.3281				7.7		15.0			
1,3-Dichlorobenzene	1.7028 1.5046	1.7259 1.4757	1.5930 1.4168	1.6234	1.5533	Ave		1.5744				6.9		15.0			
1,4-Dichlorobenzene	1.8846 1.5402	1.7890 1.5159	1.6503 1.4363	1.6749	1.6004	Ave		1.6364				9.0		30.0			
Benzyl alcohol	0.8124 0.7899	0.9233 0.7594	0.8619 0.7017	0.8724	0.8167	Ave		0.8172				8.5		15.0			
1,2-Dichlorobenzene	1.7640 1.4857	1.6926 1.4352	1.6065 1.3618	1.6360	1.5705	Ave		1.5690				8.6		15.0			
2-Methylphenol	1.3278 1.0694	1.2813 1.0250	1.2297 0.9499	1.2411	1.1463	Ave		1.1588				11.5		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.: 180-13537-1 Analy Batch No.: 44802

SDG No.:

Instrument ID: 731 GC Column: Rxi-5SilMS ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/13/2012 09:53 Calibration End Date: 08/13/2012 12:35 Calibration ID: 6233

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	2.3716 1.9888	2.4664 1.9320	2.2816 1.8245	2.2656	2.1130	Ave		2.1554				10.5		15.0			
2,2'-oxybis[1-chloropropane]	1.9913 1.6106	1.8850 1.5081	1.7699 1.3841	1.8041	1.6873	Ave		1.7051				11.7		15.0			
N-Nitrosopyrrolidine	0.5820 0.5501	0.5433 0.5296	0.5521 0.4877	0.5682	0.5551	Ave		0.5460				5.2		15.0			
Acetophenone	2.6933 1.4691	2.0290 1.3613	1.7183 1.2658	1.7196	1.5870	Qua	-0.003	0.5398	0.0196					15.0	0.9999		0.9900
Methylphenol, 3 & 4	1.3157 1.0224	1.2937 0.9596	1.2494 0.8647	1.2461	1.1152	Ave		1.1334				14.9		15.0			
N-Nitrosodi-n-propylamine	0.8891 0.7366	0.9186 0.6858	0.8867 0.6345	0.8480	0.7770	Ave		0.7970			0.0500	13.1		15.0			
Hexachloroethane	0.6651 0.6527	0.6936 0.6203	0.6744 0.5970	0.6886	0.6645	Ave		0.6570				5.1		15.0			
Nitrobenzene	0.3079 0.2747	0.3018 0.2796	0.2877 0.2733	0.2842	0.2824	Ave		0.2864				4.3		15.0			
Isophorone	0.5207 0.4938	0.5116 0.4819	0.4922 0.4702	0.4929	0.4973	Ave		0.4951				3.2		15.0			
2-Nitrophenol	0.1700 0.1827	0.1835 0.1888	0.1808 0.1839	0.1837	0.1797	Ave		0.1816				3.0		30.0			
2,4-Dimethylphenol	0.3089 0.2875	0.3032 0.2863	0.2984 0.2744	0.2997	0.2897	Ave		0.2935				3.8		15.0			
Benzoic acid	0.1536 0.1982	0.1718 0.2016	0.1885 0.1993	0.1802	0.1881	Ave		0.1851				8.8		15.0			
Bis(2-chloroethoxy)methane	0.3526 0.3256	0.3434 0.3264	0.3449 0.3169	0.3359	0.3214	Ave		0.3334				3.8		15.0			
2,4-Dichlorophenol	0.3034 0.2797	0.2831 0.2749	0.2808 0.2712	0.2846	0.2783	Ave		0.2820				3.4		30.0			
1,2,4-Trichlorobenzene	0.3679 0.3264	0.3613 0.3289	0.3404 0.3221	0.3370	0.3245	Ave		0.3386				5.1		15.0			
Naphthalene	1.1150 0.9695	1.0659 0.9672	1.0134 0.9370	0.9845	0.9636	Ave		1.0020				6.0		15.0			
4-Chloroaniline	0.3966 0.3828	0.4167 0.3723	0.3815 0.3468	0.4007	0.3888	Ave		0.3858				5.4		15.0			
2,6-Dichlorophenol	0.2759 0.2690	0.2763 0.2654	0.2658 0.2553	0.2701	0.2652	Ave		0.2679				2.5		15.0			
Hexachlorobutadiene	0.1795 0.1847	0.1933 0.1863	0.1880 0.1817	0.1862	0.1851	Ave		0.1856				2.2		30.0			
Caprolactam	0.0803 0.0835	0.0785 0.0787	0.0809 0.0760	0.0799	0.0807	Ave		0.0798				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 CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 44802

SDG No.:

Instrument ID: 731 GC Column: Rxi-5SilMS ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/13/2012 09:53 Calibration End Date: 08/13/2012 12:35 Calibration ID: 6233

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	0.2722 0.2627	0.2861 0.2620	0.2763 0.2498	0.2719	0.2628	Ave		0.2680				4.1		30.0			
2-Methylnaphthalene	0.7652 0.6988	0.7589 0.6849	0.7226 0.6689	0.7026	0.6990	Ave		0.7126				4.8		15.0			
1-Methylnaphthalene	0.7239 0.6711	0.7186 0.6615	0.6986 0.6410	0.6932	0.6709	Ave		0.6849				4.2		15.0			
Hexachlorocyclopentadiene	0.3110 0.3228	0.3254 0.3293	0.3242 0.3260	0.3420	0.3370	Ave		0.3272			0.0500	2.9		15.0			
1,2,4,5-Tetrachlorobenzene	0.5622 0.4687	0.5436 0.4761	0.5298 0.4678	0.5192	0.4937	Ave		0.5076				7.1		15.0			
2,4,6-Trichlorophenol	0.3720 0.3665	0.3565 0.3799	0.3522 0.3901	0.3628	0.3570	Ave		0.3671				3.5		30.0			
2,4,5-Trichlorophenol	0.3675 0.3642	0.4061 0.3872	0.3903 0.3772	0.4041	0.3880	Ave		0.3856				4.0		15.0			
1,1'-Biphenyl	1.4744 1.3112	1.4032 1.3241	1.3650 1.2958	1.4055	1.3511	Ave		1.3663				4.3		15.0			
2-Chloronaphthalene	1.2000 1.0862	1.1563 1.1138	1.1470 1.1087	1.1386	1.1017	Ave		1.1316				3.2		15.0			
2-Nitroaniline	0.2650 0.2613	0.2724 0.2583	0.2693 0.2532	0.2754	0.2647	Ave		0.2650				2.8		15.0			
Dimethyl phthalate	1.2094 1.1181	1.2115 1.1165	1.1636 1.1155	1.1569	1.1129	Ave		1.1505				3.6		15.0			
2,6-Dinitrotoluene	0.2166 0.2677	0.2595 0.2656	0.2657 0.2655	0.2742	0.2600	Ave		0.2594				6.9		15.0			
Acenaphthylene	1.7769 1.6696	1.7586 1.6704	1.7105 1.6180	1.7599	1.6879	Ave		1.7065				3.2					
3-Nitroaniline	0.2707 0.3062	0.3117 0.3093	0.2960 0.3018	0.3137	0.2981	Ave		0.3009				4.6		15.0			
Acenaphthene	1.2189 1.0789	1.1707 1.0845	1.1753 1.0579	1.1598	1.1066	Ave		1.1316				5.1		30.0			
2,4-Dinitrophenol	0.1113 0.1580	0.1264 0.1618	0.1464 0.1645	0.1490	0.1521	Ave		0.1462			0.0500	12.6		15.0			
4-Nitrophenol	0.1109 0.1210	0.1224 0.1224	0.1252 0.1183	0.1277	0.1207	Ave		0.1211			0.0500	4.1		15.0			
2,4-Dinitrotoluene	0.3120 0.3582	0.3641 0.3540	0.3646 0.3497	0.3665	0.3458	Ave		0.3519				5.0		15.0			
Dibenzofuran	1.7385 1.5958	1.7246 1.5846	1.6567 1.5498	1.6636	1.5839	Ave		1.6372				4.3		15.0			
2,3,5,6-Tetrachlorophenol	0.2899 0.3262	0.3007 0.3301	0.2988 0.3281	0.3064	0.3022	Ave		0.3103				5.0		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.: 180-13537-1 Analy Batch No.: 44802

SDG No.:

Instrument ID: 731 GC Column: Rxi-5SilMS ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/13/2012 09:53 Calibration End Date: 08/13/2012 12:35 Calibration ID: 6233

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	0.2961 0.2936	0.3112 0.2980	0.3105 0.2935	0.3232	0.3033	Ave		0.3037				3.5		15.0			
2-Naphthylamine	0.6016 0.3808	0.6104 0.2924	0.4138 0.2757	0.5499	0.4345	Qua	0.0891	1.1343	0.9073					15.0	0.9933		0.9900
Diethyl phthalate	1.2100 1.1669	1.2853 1.1487	1.2042 1.1376	1.2441	1.1507	Ave		1.1935				4.4		15.0			
4-Chlorophenyl phenyl ether	0.6541 0.5965	0.6600 0.5856	0.6425 0.5813	0.6451	0.5841	Ave		0.6186				5.6		15.0			
4-Nitroaniline	0.2849 0.2840	0.3105 0.2780	0.2999 0.2770	0.3138	0.2901	Ave		0.2923				4.9		15.0			
Fluorene	1.4310 1.2076	1.4075 1.1743	1.3350 1.1261	1.3407	1.2309	Ave		1.2816				8.8		15.0			
4,6-Dinitro-2-methylphenol	+++++ 0.1351	0.1025 0.1388	0.1207 0.1374	0.1235	0.1299	Ave		0.1268				10.1		15.0			
N-Nitrosodiphenylamine	0.4980 0.5061	0.5019 0.5225	0.4998 0.5187	0.5086	0.5096	Ave		0.5082				1.7		30.0			
1,2-Diphenylhydrazine(as Azobenzene)	0.7118 0.6907	0.7433 0.7340	0.7213 0.6985	0.7256	0.7317	Ave		0.7196				2.5		15.0			
4-Bromophenyl phenyl ether	0.2001 0.2190	0.2166 0.2315	0.2109 0.2246	0.2147	0.2187	Ave		0.2170				4.3		15.0			
Hexachlorobenzene	0.1991 0.2192	0.2037 0.2287	0.2034 0.2219	0.2039	0.2151	Ave		0.2119				5.1		15.0			
Atrazine	0.1171 0.1155	0.1177 +++++	0.0717 +++++	0.1265	0.1246	Qua	0.0645	7.1718	2.3581					15.0	0.9980		0.9900
Pentachlorophenol	0.1394 0.1478	0.1349 0.1584	0.1387 0.1549	0.1388	0.1430	Ave		0.1445				5.9		30.0			
Phenanthrene	1.1888 1.1625	1.1849 1.2098	1.1219 1.1577	1.1498	1.1433	Ave		1.1648				2.4		15.0			
Anthracene	1.1393 1.1694	1.1808 1.1862	1.1572 1.1182	1.1892	1.1655	Ave		1.1632				2.1		15.0			
Carbazole	1.0223 0.9976	1.0201 0.9908	0.9925 0.9672	0.9889	0.9914	Ave		0.9963				1.8		15.0			
Di-n-butyl phthalate	1.1297 1.2268	1.2328 1.2272	1.1852 1.1714	1.2245	1.2159	Ave		1.2017				3.0		15.0			
Fluoranthene	1.2100 1.1603	1.2030 1.1451	1.1376 1.1241	1.1433	1.1374	Ave		1.1576				2.8		30.0			
Benzidine	0.1492 0.3149	0.1946 0.3129	0.2297 0.3262	0.3054	0.3074	Qua	0.0561	3.2815	-0.067					15.0	0.9997		0.9900
Pyrene	1.3639 1.2474	1.3535 1.3131	1.3195 1.2524	1.3345	1.3022	Ave		1.3108				3.3		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.: 180-13537-1 Analy Batch No.: 44802

SDG No.:

Instrument ID: 731 GC Column: Rxi-5SilMS ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/13/2012 09:53 Calibration End Date: 08/13/2012 12:35 Calibration ID: 6233

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	0.4868 0.5274	0.5185 0.5477	0.5314 0.5432	0.5434	0.5451	Ave		0.5304				3.8		15.0			
3,3'-Dichlorobenzidine	0.3509 0.3816	0.3287 0.3972	0.3383 0.3953	0.3667	0.3727	Ave		0.3664				6.9		15.0			
Bis(2-ethylhexyl) phthalate	0.7427 0.7662	0.7316 0.7974	0.7502 0.7772	0.7664	0.7799	Ave		0.7639				2.8		15.0			
Benzo[a]anthracene	1.1571 1.2045	1.1181 1.2016	1.1001 1.1943	1.1014	1.1167	Ave		1.1492				4.0		15.0			
Chrysene	1.1267 1.0570	1.1244 1.1065	1.0976 1.1055	1.1252	1.0766	Ave		1.1024				2.3		15.0			
Di-n-octyl phthalate	1.0140 1.4629	1.1794 1.5135	1.2296 1.4483	1.3576	1.4244	Ave		1.3287				13.0		30.0			
7,12-Dimethylbenz(a)anthracene	0.4572 0.5549	0.4865 0.5917	0.5088 0.5731	0.5349	0.5407	Ave		0.5310				8.4		15.0			
Benzo[b]fluoranthene	1.2277 1.2998	1.2707 1.5569	1.3269 1.4431	1.3057	1.3578	Ave		1.3486				7.8		15.0			
Benzo[k]fluoranthene	1.2654 1.4190	1.2685 1.2768	1.2022 1.3317	1.2764	1.2491	Ave		1.2862				5.0		15.0			
Benzo[a]pyrene	0.9339 1.0210	0.9370 1.0653	0.8939 1.0516	0.9636	0.9812	Ave		0.9810				6.2		30.0			
Indeno[1,2,3-cd]pyrene	0.9516 1.2146	1.0244 1.2970	1.0588 1.2803	1.0965	1.1673	Ave		1.1363				10.9		15.0			
Dibenz(a,h)anthracene	0.7588 1.0248	0.8461 1.0932	0.8767 1.0789	0.9222	0.9760	Ave		0.9471				12.4		15.0			
Benzo[g,h,i]perylene	0.7953 1.0247	0.8588 1.0991	0.8843 1.0977	0.9231	0.9905	Ave		0.9592				11.7		15.0			
2-Fluorophenol	0.9588 0.8933	0.9683 0.8992	0.9226 0.8529	0.9362	0.9286	Ave		0.9200				4.1		15.0			
Phenol-d5	1.3278 1.2355	1.3944 1.1843	1.3409 1.0984	1.3512	1.3077	Ave		1.2800				7.8		15.0			
Nitrobenzene-d5	0.2985 0.2778	0.2960 0.2777	0.2824 0.2750	0.2789	0.2810	Ave		0.2834				3.1		15.0			
2-Fluorobiphenyl	1.2313 1.1716	1.2353 1.1973	1.2212 1.1808	1.2357	1.2006	Ave		1.2092				2.1		15.0			
2,4,6-Tribromophenol	0.0727 0.0921	0.0785 0.1008	0.0774 0.0959	0.0832	0.0909	Ave		0.0864				11.5		15.0			
Terphenyl-d14	0.7640 0.7428	0.7920 0.7845	0.7693 0.7780	0.7764	0.7635	Ave		0.7713				2.0		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 RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 44802

SDG No.:

Instrument ID: 731 GC Column: Rxi-5SilMS ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/13/2012 09:53 Calibration End Date: 08/13/2012 12:35 Calibration ID: 6233

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-44802/2	V0813IC1.D
Level 2	IC 180-44802/3	V0813IC2.D
Level 3	ICIS 180-44802/4	V0813IC3.D
Level 4	IC 180-44802/5	V0813IC4.D
Level 5	IC 180-44802/6	V0813IC5.D
Level 6	IC 180-44802/7	V0813IC6.D
Level 7	IC 180-44802/8	V0813IC7.D
Level 8	IC 180-44802/9	V0813IC8.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	+++++ 174117	10781 251171	20647 338755	43345	98581	+++++ 40.0	2.00 60.0	4.00 80.0	10.0	20.0
N-Nitrosodimethylamine	DCB	Ave	2097 248703	12800 358196	28751 465713	60574	146751	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Pyridine	DCB	Ave	2800 460411	23759 625414	50582 825053	109906	261326	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Methyl methanesulfonate	DCB	Ave	3290 313208	17264 417657	35682 541181	78619	181814	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Benzaldehyde	DCB	Qua	3406 474031	17317 +++++	36469 +++++	131471	300137	0.400 40.0	2.00 +++++	4.00 +++++	10.0	20.0
Phenol	DCB	Ave	12723 1061758	60234 1343451	131169 1695180	280861	629631	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Aniline	DCB	Ave	12466 1087610	60229 1326355	122684 1668393	286055	654343	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Bis(2-chloroethyl)ether	DCB	Ave	8259 772432	42078 1029395	87524 1339747	190462	449549	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2-Chlorophenol	DCB	Ave	10809 962073	49837 1300198	111890 1657659	242609	553715	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
1,3-Dichlorobenzene	DCB	Ave	12353 1143268	61930 1541761	131594 2017100	281566	652730	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
1,4-Dichlorobenzene	DCB	Ave	13672 1170301	64195 1583745	136324 2044853	290495	672493	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Benzyl alcohol	DCB	Ave	5894 600223	33132 793445	71199 998992	151308	343177	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
1,2-Dichlorobenzene	DCB	Ave	12797 1128901	60734 1499454	132708 1938813	283755	659964	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2-Methylphenol	DCB	Ave	9633 812569	45977 1070939	101580 1352332	215260	481713	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Indene	DCB	Ave	17205 1511123	88502 2018504	188476 2597553	392961	887931	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.: 180-13537-1 Analy Batch No.: 44802

SDG No.:

Instrument ID: 731 GC Column: Rxi-5SilMS ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/13/2012 09:53 Calibration End Date: 08/13/2012 12:35 Calibration ID: 6233

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	14446 1223823	67639 1575655	146203 1970582	312904	709047	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
N-Nitrosopyrrolidine	DCB	Ave	4222 417957	19494 553352	45606 694376	98551	233269	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Acetophenone	DCB	Qua	19539 1116283	72805 1422232	141939 1802129	298253	666894	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Methylphenol, 3 & 4	DCB	Ave	9545 776881	46422 1002595	103207 1231014	216132	468626	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
N-Nitrosodi-n-propylamine	DCB	Ave	6450 559699	32961 716461	73246 903379	147075	326524	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Hexachloroethane	DCB	Ave	4825 495978	24887 648118	55708 849962	119442	279226	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Nitrobenzene	NPT	Ave	10653 952917	51655 1283945	112454 1644661	236711	559044	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Isophorone	NPT	Ave	18016 1712964	87575 2212748	192361 2829847	410618	984474	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2-Nitrophenol	NPT	Ave	5884 633655	31406 866804	70658 1106558	153046	355764	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2,4-Dimethylphenol	NPT	Ave	10687 997331	51909 1314783	116629 1651272	249608	573616	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Benzoic acid	NPT	Ave	26566 687501	58831 925658	184164 1199234	300201	558489	2.00 40.0	4.00 60.0	10.0 80.0	20.0	30.0
Bis(2-chloroethoxy)methane	NPT	Ave	12202 1129516	58785 1498691	134804 1907370	279810	636242	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2,4-Dichlorophenol	NPT	Ave	10500 970380	48463 1262508	109735 1632289	237056	550885	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
1,2,4-Trichlorobenzene	NPT	Ave	12729 1132229	61855 1510395	133041 1938319	280756	642481	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Naphthalene	NPT	Ave	38581 3363339	182460 4441443	396070 5639219	820120	1907633	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
4-Chloroaniline	NPT	Ave	13723 1327851	71335 1709715	149117 2087426	333790	769722	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2,6-Dichlorophenol	NPT	Ave	9547 933206	47305 1218837	103868 1536461	224967	524926	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Hexachlorobutadiene	NPT	Ave	6210 640612	33086 855545	73472 1093823	155097	366391	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Caprolactam	NPT	Ave	2778 289693	13433 361590	31624 457332	66555	159769	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
4-Chloro-3-methylphenol	NPT	Ave	9419 911344	48980 1203034	107973 1503120	226522	520186	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2-Methylnaphthalene	NPT	Ave	26478 2424270	129907 3144994	282434 4025483	585258	1383866	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.: 180-13537-1 Analy Batch No.: 44802

SDG No.:

Instrument ID: 731 GC Column: Rxi-5SilMS ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/13/2012 09:53 Calibration End Date: 08/13/2012 12:35 Calibration ID: 6233

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	25049 2328057	123008 3037594	273039 3857858	577457	1328183	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Hexachlorocyclopentadiene	ANT	Ave	6923 744305	35829 965717	81205 1221108	178530	424627	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
1,2,4,5-Tetrachlorobenzene	ANT	Ave	12515 1080642	59855 1396190	132702 1752548	271055	622195	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2,4,6-Trichlorophenol	ANT	Ave	8281 844871	39259 1114104	88230 1461509	189421	449897	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2,4,5-Trichlorophenol	ANT	Ave	8181 839750	44724 1135455	97767 1412924	210947	488972	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
1,1'-Biphenyl	ANT	Ave	32820 3023127	154520 3883017	341901 4854467	733718	1702602	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2-Chloronaphthalene	ANT	Ave	26712 2504309	127328 3266361	287316 4153533	594390	1388349	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2-Nitroaniline	ANT	Ave	5899 602546	29994 757525	67461 948517	143772	333534	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Dimethyl phthalate	ANT	Ave	26920 2577917	133405 3274273	291459 4178754	603935	1402411	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2,6-Dinitrotoluene	ANT	Ave	4821 617203	28577 779033	66555 994531	143149	327701	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Acenaphthylene	ANT	Ave	39552 3849359	193647 4898440	428460 6061417	918721	2126992	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
3-Nitroaniline	ANT	Ave	6026 705850	34319 907064	74152 1130736	163790	375706	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Acenaphthene	ANT	Ave	27132 2487389	128917 3180381	294389 3963251	605459	1394514	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2,4-Dinitrophenol	ANT	Ave	12385 364265	27835 474490	91658 616178	155581	287465	2.00 40.0	4.00 60.0	10.0 80.0	20.0	30.0
4-Nitrophenol	ANT	Ave	12344 278936	26959 359070	78406 443242	133363	228169	2.00 40.0	4.00 60.0	10.0 80.0	20.0	30.0
2,4-Dinitrotoluene	ANT	Ave	6946 825859	40096 1038191	91318 1310068	191343	435766	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Dibenzofuran	ANT	Ave	38698 3679086	189911 4646830	414988 5806010	868447	1995980	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2,3,5,6-Tetrachlorophenol	ANT	Ave	6453 752157	33115 967997	74853 1229121	159966	380818	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2,3,4,6-Tetrachlorophenol	ANT	Ave	6590 676911	34272 874003	77774 1099375	168721	382169	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2-Naphthylamine	ANT	Qua	13392 877945	67215 857491	103661 1032773	287071	547569	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Diethyl phthalate	ANT	Ave	26935 2690436	141530 3368508	301645 4261759	649490	1450117	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.: 180-13537-1 Analy Batch No.: 44802

SDG No.:

Instrument ID: 731 GC Column: Rxi-5SilMS ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/13/2012 09:53 Calibration End Date: 08/13/2012 12:35 Calibration ID: 6233

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	14561 1375193	72678 1717194	160934 2177620	336746	736121	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
4-Nitroaniline	ANT	Ave	6342 654785	34186 815128	75124 1037614	163798	365562	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Fluorene	ANT	Ave	31854 2784076	154993 3443835	334397 4218564	699900	1551182	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
4,6-Dinitro-2-methylphenol	PHN	Ave	+++++ 523877	40141 651612	132397 834035	225029	405661	+++++ 40.0	4.00 60.0	10.0 80.0	20.0	30.0
N-Nitrosodiphenylamine	PHN	Ave	19699 1962422	98327 2452666	219252 3149269	463492	1061116	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
1,2-Diphenylhydrazine(as Azobenzene)	PHN	Ave	28160 2678031	145613 3445416	316414 4241099	661241	1523474	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
4-Bromophenyl phenyl ether	PHN	Ave	7914 849088	42425 1086747	92509 1363588	195704	455362	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Hexachlorobenzene	PHN	Ave	7875 849919	39906 1073423	89223 1347446	185844	447911	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Atrazine	PHN	Qua	4633 447781	23048 +++++	31444 +++++	115263	259467	0.400 40.0	2.00 +++++	4.00 +++++	10.0	20.0
Pentachlorophenol	PHN	Ave	27568 572953	52833 743653	152075 940412	252998	446465	2.00 40.0	4.00 60.0	10.0 80.0	20.0	30.0
Phenanthrene	PHN	Ave	47029 4507357	232109 5678945	492124 7028915	1047826	2380379	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Anthracene	PHN	Ave	45071 4534261	231314 5568123	507589 6789344	1083774	2426696	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Carbazole	PHN	Ave	40442 3867871	199822 4650994	435358 5872436	901190	2064280	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Di-n-butyl phthalate	PHN	Ave	44688 4756507	241502 5760676	519909 7112056	1115972	2531537	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Fluoranthene	PHN	Ave	47865 4498830	235654 5375528	499021 6825298	1041953	2368163	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Benzidine	CRY	Qua	5361 1161671	34406 1358433	90096 1826344	249436	563963	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Pyrene	CRY	Ave	49009 4601740	239358 5700764	517600 7011501	1090141	2388904	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Butyl benzyl phthalate	CRY	Ave	17491 1945467	91688 2377819	208461 3041213	443889	1000003	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
3,3'-Dichlorobenzidine	CRY	Ave	12610 1407898	58125 1724267	132710 2212849	299573	683774	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	26687 2826357	129388 3461911	294289 4350969	626063	1430645	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Benzo[a]anthracene	CRY	Ave	41579 4443329	197740 5216554	431541 6686092	899721	2048599	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.: 180-13537-1 Analy Batch No.: 44802

SDG No.:

Instrument ID: 731 GC Column: Rxi-5SilMS ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/13/2012 09:53 Calibration End Date: 08/13/2012 12:35 Calibration ID: 6233

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	40487 3899101	198851 4803785	430572 6189100	919182	1975004	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Di-n-octyl phthalate	PRY	Ave	33059 5329617	191360 6700918	458041 8488167	1050492	2513980	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
7,12-Dimethylbenz(a)anthracene	PRY	Ave	14905 2021719	78938 2619618	189543 3358761	413894	954240	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Benzo[b]fluoranthene	PRY	Ave	40027 4735485	206169 6893066	494320 8457536	1010324	2396306	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Benzo[k]fluoranthene	PRY	Ave	41256 5169641	205817 5653143	447868 7804869	987638	2204620	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Benzo[a]pyrene	PRY	Ave	30449 3719594	152034 4716805	333006 6163307	745632	1731680	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Indeno[1,2,3-cd]pyrene	PRY	Ave	31026 4425176	166206 5742308	394445 7503533	848489	2060125	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Dibenz(a,h)anthracene	PRY	Ave	24740 3733458	137272 4840097	326607 6323025	713581	1722565	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Benzo[g,h,i]perylene	PRY	Ave	25929 3733276	139333 4866303	329410 6433034	714273	1748097	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2-Fluorophenol	DCB	Ave	6956 678737	34746 939478	76216 1214230	162387	390211	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Phenol-d5	DCB	Ave	9633 938801	50033 1237352	110763 1563825	234354	549500	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Nitrobenzene-d5	NPT	Ave	10330 963812	50662 1275226	110365 1655135	232316	556328	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2-Fluorobiphenyl	ANT	Ave	27407 2701282	136027 3511104	305881 4423502	645063	1513008	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
2,4,6-Tribromophenol	PHN	Ave	2876 357043	15385 472979	33964 582244	75802	189253	0.400 40.0	2.00 60.0	4.00 80.0	10.0	20.0
Terphenyl-d14	CRY	Ave	27452 2740283	140069 3405774	301778 4355804	634193	1400648	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\TV081312.b\V0813IC1.D
Lab Smp Id: IC 495220
Inj Date : 13-AUG-2012 09:53
Operator : 003200 Inst ID: 731.i
Smp Info : IC 495220
Misc Info : TV081312.b,T8270ll.m,padepi.sub
Comment :
Method : \\PITSVR06\D\chem\731.i\TV081312.b\T8270ll.m
Meth Date : 13-Aug-2012 10:17 piccolinov Quant Type: ISTD
Cal Date : 13-AUG-2012 09:53 Cal File: V0813IC1.D
Als bottle: 2 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	4.610	4.610	(1.000)	145093	8.00000	
* 2 Naphthalene-d8	136	5.583	5.583	(1.000)	692048	8.00000	
* 3 Acenaphthene-d10	164	6.934	6.934	(1.000)	445189	8.00000	
* 4 Phenanthrene-d10	188	8.077	8.077	(1.000)	791182	8.00000	
* 5 Chrysene-d12	240	10.156	10.156	(1.000)	718685	8.00000	
* 6 Perylene-d12	264	11.609	11.609	(1.000)	652056	8.00000	
198 1,4-Dioxane	88	1.501	1.501	(0.326)	2956	0.40000	0.77403(M)
10 N-Nitrosodimethylamine	74	2.009	2.009	(0.436)	2097	0.40000	0.24665
9 Pyridine	79	2.089	2.089	(0.453)	2800	0.40000	0.19548(M)
16 Methyl methanesulfonate	80	3.430	3.430	(0.744)	3290	0.40000	0.29524
206 Benzaldehyde	77	4.269	4.269	(0.926)	3406	0.40000	0.36776
21 Aniline	93	4.354	4.354	(0.944)	12466	0.40000	0.41534
22 Phenol	94	4.343	4.343	(0.942)	12723	0.40000	0.40336
23 bis(2-Chloroethyl)ether	93	4.413	4.413	(0.957)	8259	0.40000	0.40068
24 2-Chlorophenol	128	4.450	4.450	(0.965)	10809	0.40000	0.43824
26 1,3-Dichlorobenzene	146	4.568	4.568	(0.991)	12353	0.40000	0.42543
27 1,4-Dichlorobenzene	146	4.626	4.626	(1.003)	13672	0.40000	0.44446
28 1,2-Dichlorobenzene	146	4.744	4.744	(1.029)	12797	0.40000	0.43884
217 Indene	116	4.808	4.808	(1.043)	17205	0.40000	0.41600
29 Benzyl Alcohol	108	4.717	4.717	(1.023)	5894	0.40000	0.42070
30 2-Methylphenol	108	4.803	4.803	(1.042)	9633	0.40000	0.42228
31 2,2'-oxybis(1-Chloropropane)	45	4.824	4.824	(1.046)	14446	0.40000	0.50149
37 Acetophenone	105	4.915	4.915	(1.066)	19539	0.40000	0.47379
32 N-Nitroso-di-n-propylamine	70	4.920	4.920	(1.067)	6450	0.40000	0.36276
192 4-Methylphenol	108	4.920	4.920	(1.067)	9545	0.40000	0.42123
34 Hexachloroethane	117	5.006	5.006	(1.086)	4825	0.40000	0.39538
35 Nitrobenzene	77	5.043	5.043	(0.903)	10653	0.40000	0.0080256
36 N-Nitrosopyrrolidine	100	4.888	4.888	(1.060)	4222	0.40000	0.44817

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
41 Isophorone	82	5.225	5.225	(0.936)	18016	0.40000	0.091826
42 2-Nitrophenol	139	5.289	5.289	(0.947)	5884	0.40000	0.0015725
43 2,4-Dimethylphenol	107	5.321	5.321	(0.953)	10687	0.40000	0.0011465
44 bis(2-Chloroethoxy)methane	93	5.390	5.390	(0.966)	12202	0.40000	0.0015345
48 2,4-Dichlorophenol	162	5.476	5.476	(0.981)	10500	0.40000	0.0017089
49 Benzoic Acid	122	5.348	5.348	(0.958)	26566	2.00000	0.33749
50 1,2,4-Trichlorobenzene	180	5.540	5.540	(0.992)	12729	0.40000	0.0014862
51 Naphthalene	128	5.599	5.599	(1.003)	38581	0.40000	0.032394
52 4-Chloroaniline	127	5.636	5.636	(1.010)	13723	0.40000	0.0016692(H)
54 2,6-Dichlorophenol	162	5.647	5.647	(1.011)	9547	0.40000	0.0015297
56 Hexachlorobutadiene	225	5.706	5.706	(1.022)	6210	0.40000	0.00098253
208 Caprolactam	113	5.866	5.866	(1.051)	2778	0.40000	0.0018734
59 4-Chloro-3-Methylphenol	107	5.999	5.999	(1.075)	9419	0.40000	0.0012613
62 2-Methylnaphthalene	142	6.133	6.133	(1.099)	26478	0.40000	0.0019642
63 1-Methylnaphthalene	142	6.208	6.208	(1.112)	25049	0.40000	0.0018585(H)
64 Hexachlorocyclopentadiene	237	6.261	6.261	(0.903)	6923	0.40000	0.32468
65 1,2,4,5-Tetrachlorobenzene	216	6.261	6.261	(0.903)	12515	0.40000	0.35342
66 2,4,6-Trichlorophenol	196	6.341	6.341	(0.914)	8281	0.40000	0.38058
67 2,4,5-Trichlorophenol	196	6.368	6.368	(0.918)	8181	0.40000	0.36207
209 1,1'-Biphenyl	154	6.486	6.486	(0.935)	32820	0.40000	0.42833
70 2-Chloronaphthalene	162	6.502	6.502	(0.938)	26712	0.40000	0.41657
73 2-Nitroaniline	65	6.571	6.571	(0.948)	5899	0.40000	0.32525
76 Dimethylphthalate	163	6.710	6.710	(0.968)	26920	0.40000	0.39267
78 2,6-Dinitrotoluene	165	6.753	6.753	(0.974)	4821	0.40000	0.36572
79 Acenaphthylene	152	6.822	6.822	(0.984)	39552	0.40000	0.42928
81 3-Nitroaniline	138	6.886	6.886	(0.993)	6026	0.40000	0.45661
82 Acenaphthene	153	6.956	6.956	(1.003)	27132	0.40000	0.43273
83 2,4-Dinitrophenol	184	6.966	6.966	(1.005)	12385	2.00000	1.6860
85 4-Nitrophenol	109	7.004	7.004	(1.010)	12344	2.00000	1.2207
86 Dibenzofuran	168	7.089	7.089	(1.022)	38698	0.40000	0.40558
87 2,4-Dinitrotoluene	165	7.062	7.062	(1.018)	6946	0.40000	0.36186
91 2,3,5,6-Tetrachlorophenol	232	7.148	7.148	(1.031)	6453	0.40000	0.35182
88 2,3,4,6-Tetrachlorophenol	232	7.180	7.180	(1.035)	6590	0.40000	0.37018
92 2-Naphthylamine	143	7.201	7.201	(1.039)	13392	0.40000	0.53264
93 Diethylphthalate	149	7.249	7.249	(1.045)	26935	0.40000	0.39667
94 Fluorene	166	7.351	7.351	(1.060)	31854	0.40000	0.41475
95 4-Chlorophenyl-phenylether	204	7.346	7.346	(1.059)	14561	0.40000	0.37086
96 4-Nitroaniline	138	7.351	7.351	(1.060)	6342	0.40000	0.43742
98 4,6-Dinitro-2-methylphenol	198	7.378	7.378	(0.913)	16689	2.00000	1.6887
99 N-Nitrosodiphenylamine (1)	169	7.436	7.436	(0.921)	19699	0.40000	0.41929
100 1,2-Diphenylhydrazine	77	7.468	7.468	(0.925)	28160	0.40000	0.36116
106 4-Bromophenyl-phenylether	248	7.725	7.725	(0.956)	7914	0.40000	0.36307
107 Hexachlorobenzene	284	7.784	7.784	(0.964)	7875	0.40000	0.34337
210 Atrazine	200	7.832	7.832	(0.970)	4633	0.40000	0.46691
111 Pentachlorophenol	266	7.928	7.928	(0.981)	27568	2.00000	1.8977
115 Phenanthrene	178	8.093	8.093	(1.002)	47029	0.40000	0.42806
116 Anthracene	178	8.136	8.136	(1.007)	45071	0.40000	0.42706
119 Carbazole	167	8.248	8.248	(1.021)	40442	0.40000	0.43878
120 Di-n-Butylphthalate	149	8.499	8.499	(1.052)	44688	0.40000	0.42790
123 Fluoranthene	202	9.018	9.018	(1.116)	47865	0.40000	0.40053
124 Benzidine	184	9.103	9.103	(0.896)	5361	0.40000	0.45464(M)
125 Pyrene	202	9.199	9.199	(0.906)	49009	0.40000	0.42475
131 Butylbenzylphthalate	149	9.669	9.669	(0.952)	17491	0.40000	0.44361
135 3,3'-Dichlorobenzidine	252	10.107	10.107	(0.995)	12610	0.40000	0.42065(M)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
136 Benzo(a)Anthracene	228	10.145	10.145	(0.999)	41579	0.40000	0.40670
137 Chrysene	228	10.177	10.177	(1.002)	40487	0.40000	0.41390
139 bis(2-ethylhexyl)Phthalate	149	10.113	10.113	(0.996)	26687	0.40000	0.46629(M)
140 Di-n-octylphthalate	149	10.668	10.668	(0.919)	33059	0.40000	0.43020(M)
141 Benzo(b)fluoranthene	252	11.171	11.171	(0.962)	40027	0.40000	0.39367
142 Benzo(k)fluoranthene	252	11.197	11.197	(0.965)	41256	0.40000	0.41485
143 7,12-dimethylbenz[a]anthracen	256	11.149	11.149	(0.960)	14905	0.40000	0.37326
146 Benzo(a)pyrene	252	11.545	11.545	(0.994)	30449	0.40000	0.40864(M)
149 Indeno(1,2,3-cd)pyrene	276	13.072	13.072	(1.126)	31026	0.40000	0.36599(M)
150 Dibenz(a,h)anthracene	278	13.083	13.083	(1.127)	24740	0.40000	0.35504
151 Benzo(g,h,i)perylene	276	13.521	13.521	(1.165)	25929	0.40000	0.78617
$ 154 Nitrobenzene-d5	82	5.027	5.027	(0.900)	10330	0.40000	0.0010693(H)
$ 155 2-Fluorobiphenyl	172	6.411	6.411	(0.925)	27407	0.40000	0.39028
$ 156 Terphenyl-d14	244	9.301	9.301	(0.916)	27452	0.40000	0.39629
$ 157 Phenol-d5	99	4.338	4.338	(0.941)	9633	0.40000	0.37858
$ 158 2-Fluorophenol	112	3.590	3.590	(0.779)	6956	0.40000	0.36713
$ 159 2,4,6-Tribromophenol	330	7.538	7.538	(0.933)	2876	0.40000	0.34928
$ 186 2-Chlorophenol-d4	132	4.439	4.439	(0.963)	10006	0.40000	0.42965
$ 187 1,2-Dichlorobenzene-d4	152	4.733	4.733	(1.027)	7790	0.40000	0.41094

QC Flag Legend

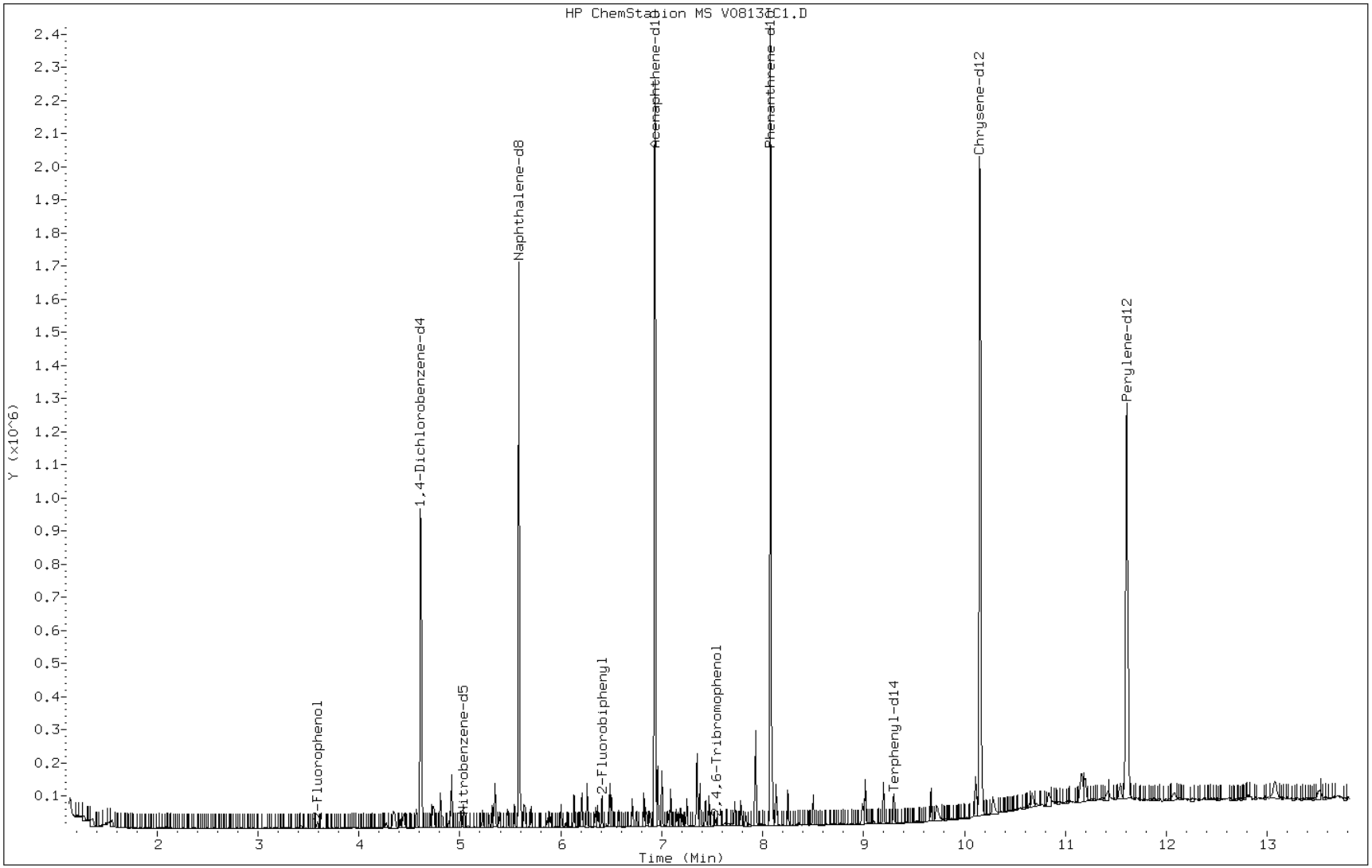
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: V0813IC1.D

Date: 13-AUG-2012 09:53

Client ID: Instrument: 731.i

Sample Info: IC 495220 Operator: 003200



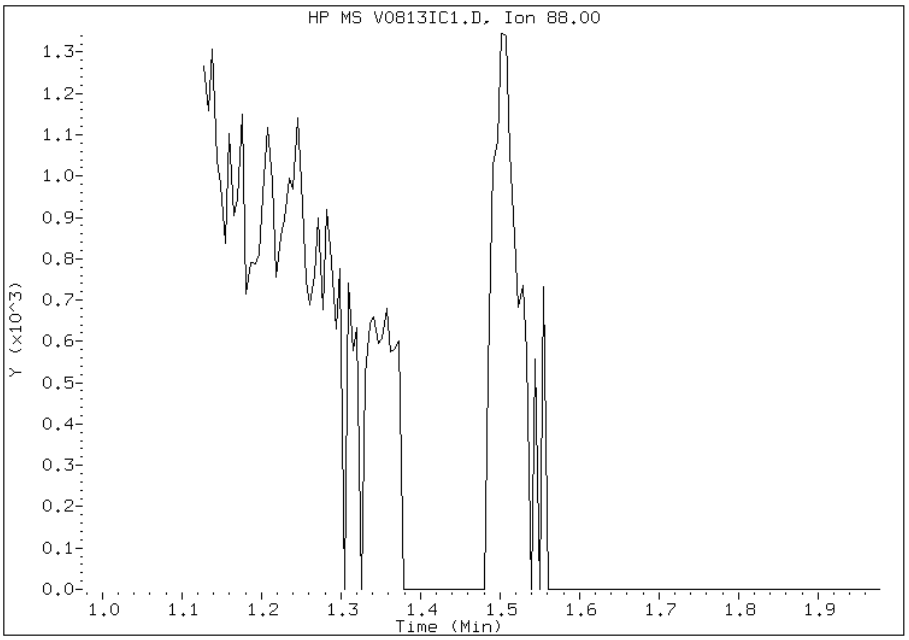
Manual Integration Report

Data File: V0813IC1.D
Inj. Date and Time: 13-AUG-2012 09:53
Instrument ID: 731.i
Client ID:
Compound: 198 1,4-Dioxane
CAS #: 123-91-1
Report Date: 08/13/2012

Processing Integration Results

Not Detected

Expected RT: 1.48



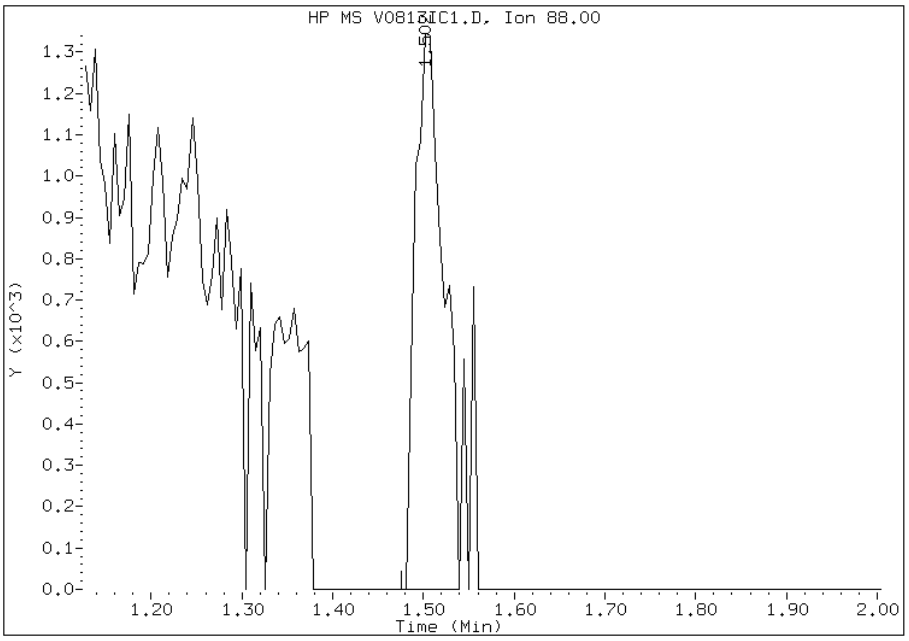
Manual Integration Results

RT: 1.50

Response: 2956

Amount: 1

Conc: 1



Manually Integrated By: piccolinov
Modification Date: 13-Aug-2012 10:17
Manual Integration Reason: Peak Not Found

Manual Integration Report

Data File: V0813IC1.D
Inj. Date and Time: 13-AUG-2012 09:53
Instrument ID: 731.i
Client ID:
Compound: 9 Pyridine
CAS #: 110-86-1
Report Date: 08/13/2012

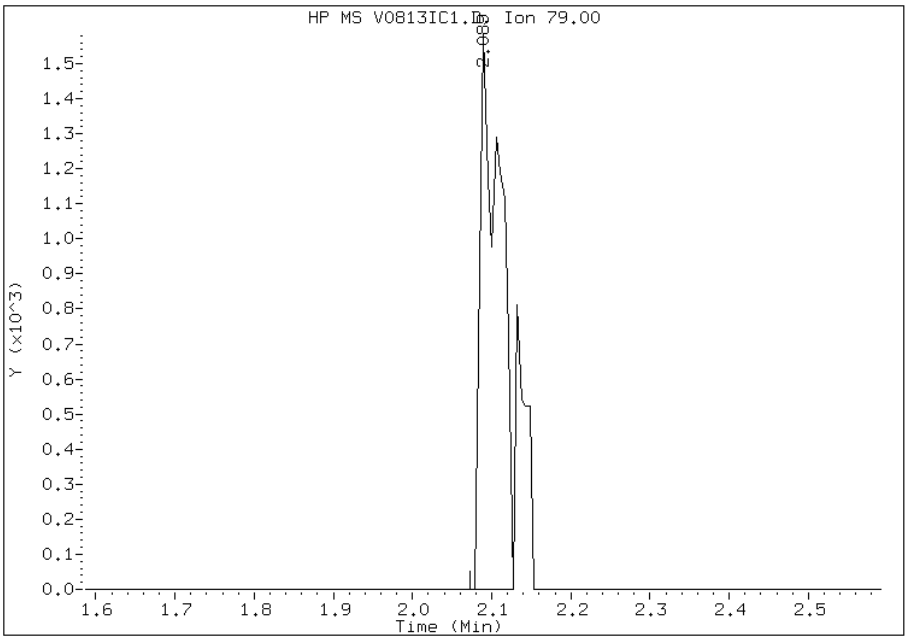
Processing Integration Results

RT: 2.09

Response: 2800

Amount: 0

Conc: 0



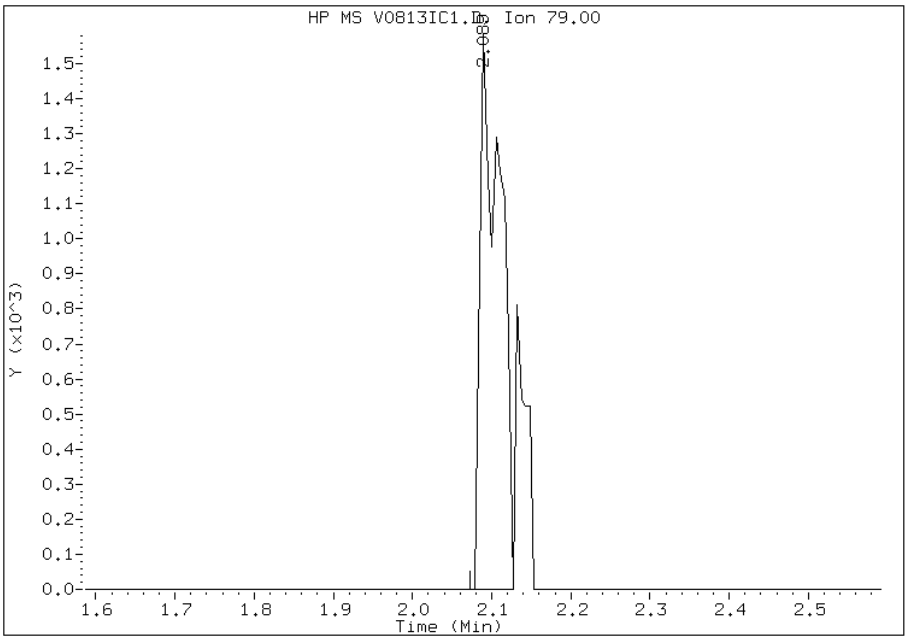
Manual Integration Results

RT: 2.09

Response: 2800

Amount: 0

Conc: 0



Manually Integrated By: piccolinov
Modification Date: 13-Aug-2012 10:17
Manual Integration Reason: Peak Not Found

Manual Integration Report

Data File: V0813IC1.D
Inj. Date and Time: 13-AUG-2012 09:53
Instrument ID: 731.i
Client ID:
Compound: 124 Benzidine
CAS #: 92-87-5
Report Date: 08/13/2012

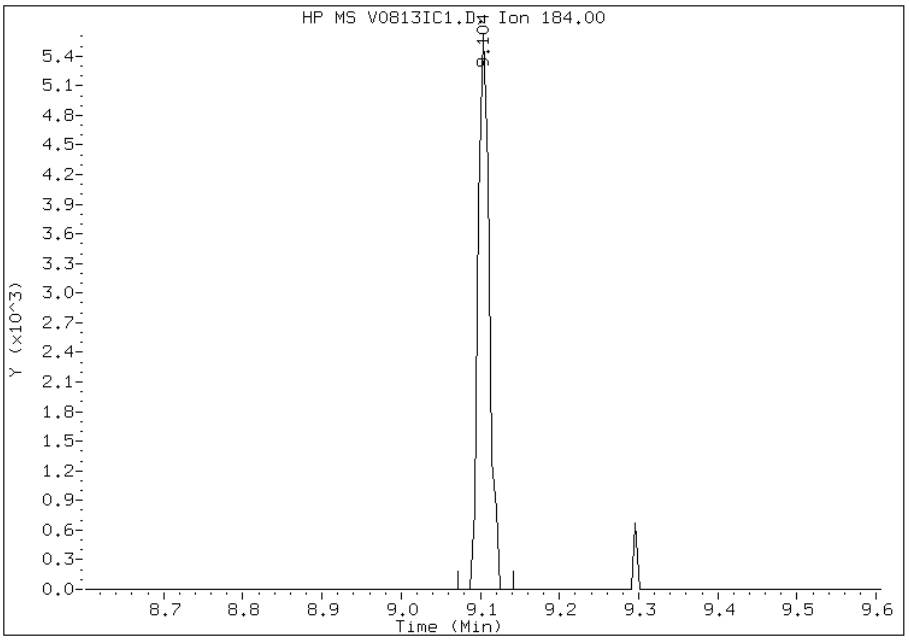
Processing Integration Results

RT: 9.10

Response: 5361

Amount: 0

Conc: 0



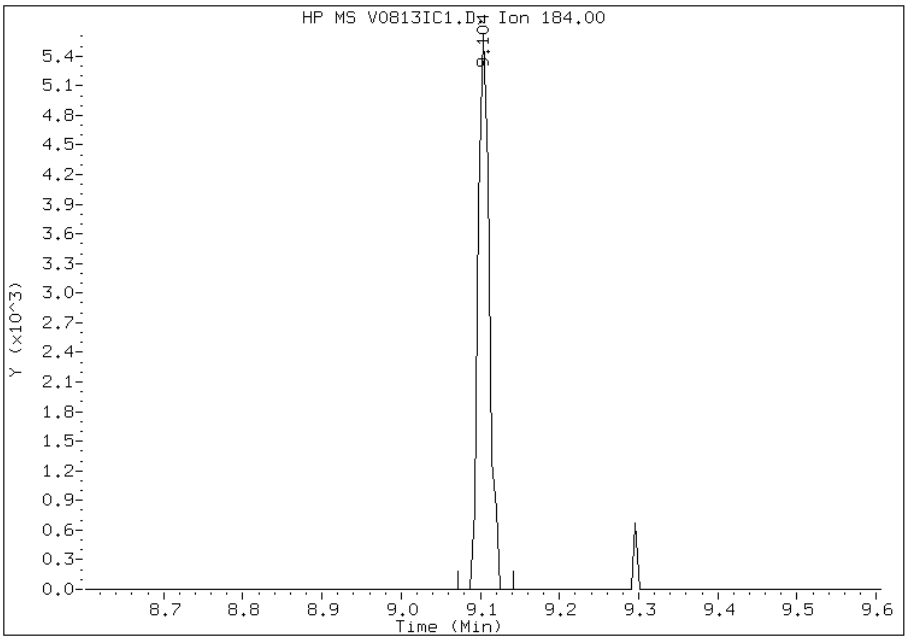
Manual Integration Results

RT: 9.10

Response: 5361

Amount: 0

Conc: 0



Manually Integrated By: piccolinov
Modification Date: 13-Aug-2012 10:18
Manual Integration Reason: Peak Not Found

Manual Integration Report

Data File: V0813IC1.D
Inj. Date and Time: 13-AUG-2012 09:53
Instrument ID: 731.i
Client ID:
Compound: 135 3,3'-Dichlorobenzidine
CAS #: 91-94-1
Report Date: 08/13/2012

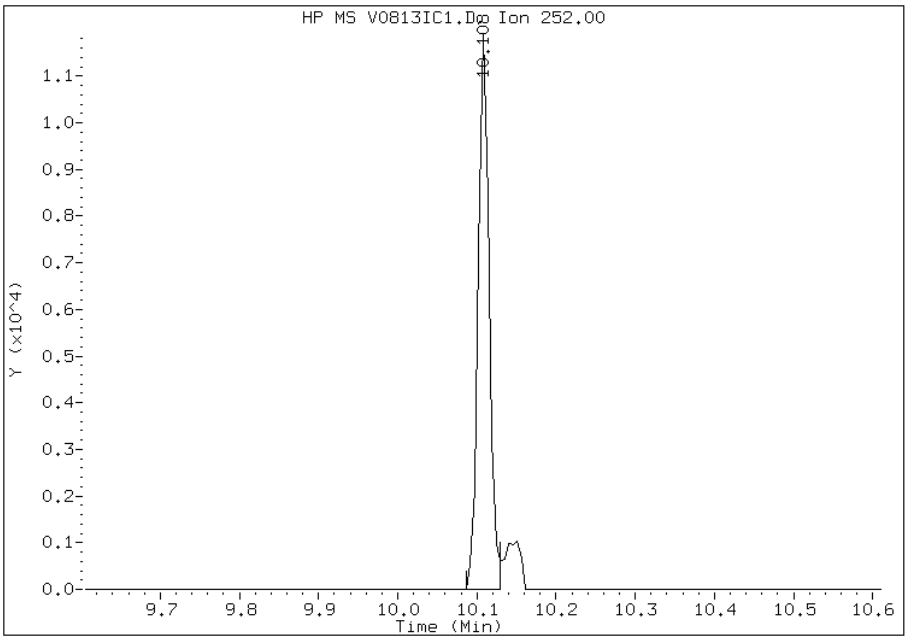
Processing Integration Results

RT: 10.11

Response: 11237

Amount: 0

Conc: 0



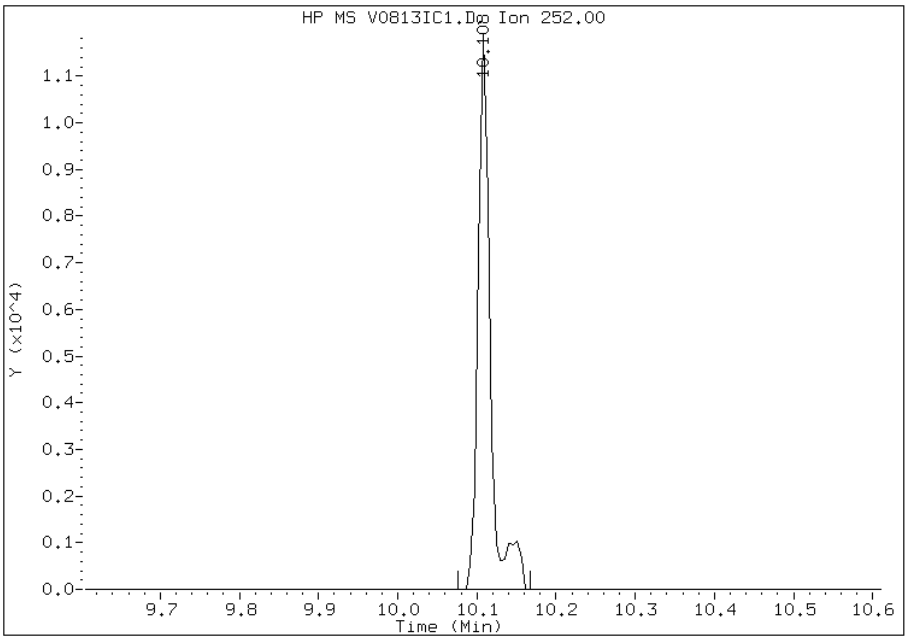
Manual Integration Results

RT: 10.11

Response: 12610

Amount: 0

Conc: 0



Manually Integrated By: piccolinov
Modification Date: 13-Aug-2012 10:18
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V0813IC1.D
Inj. Date and Time: 13-AUG-2012 09:53
Instrument ID: 731.i
Client ID:
Compound: 139 bis(2-ethylhexyl)Phthalate
CAS #: 117-81-7
Report Date: 08/13/2012

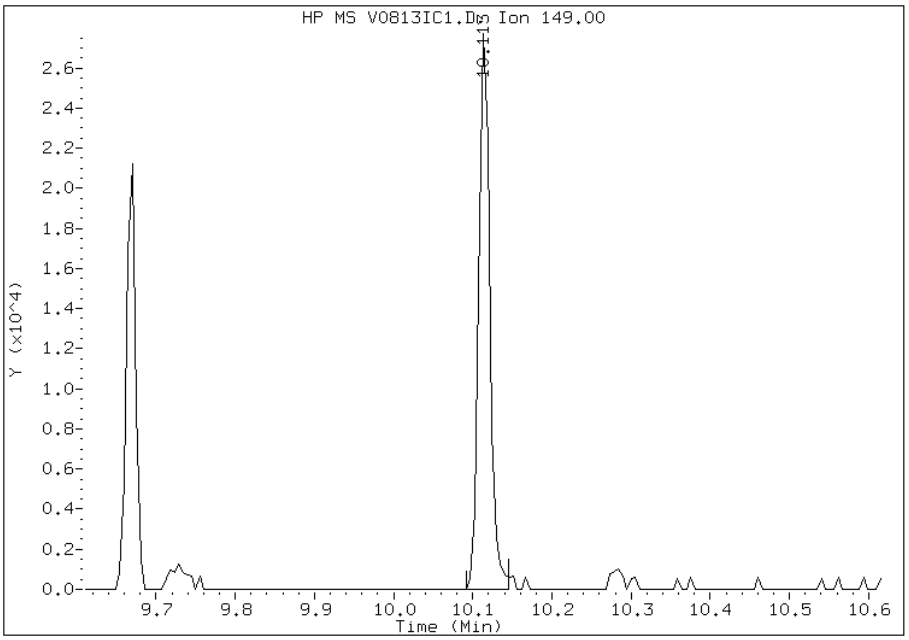
Processing Integration Results

RT: 10.11

Response: 26466

Amount: 0

Conc: 0



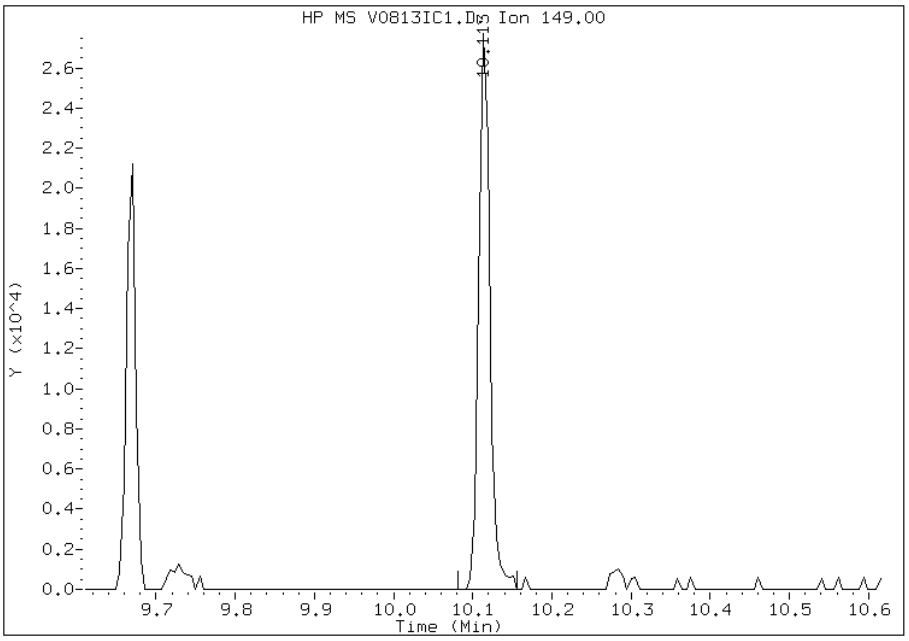
Manual Integration Results

RT: 10.11

Response: 26687

Amount: 0

Conc: 0



Manually Integrated By: piccolinov
Modification Date: 13-Aug-2012 10:18
Manual Integration Reason: Poor Chromatography

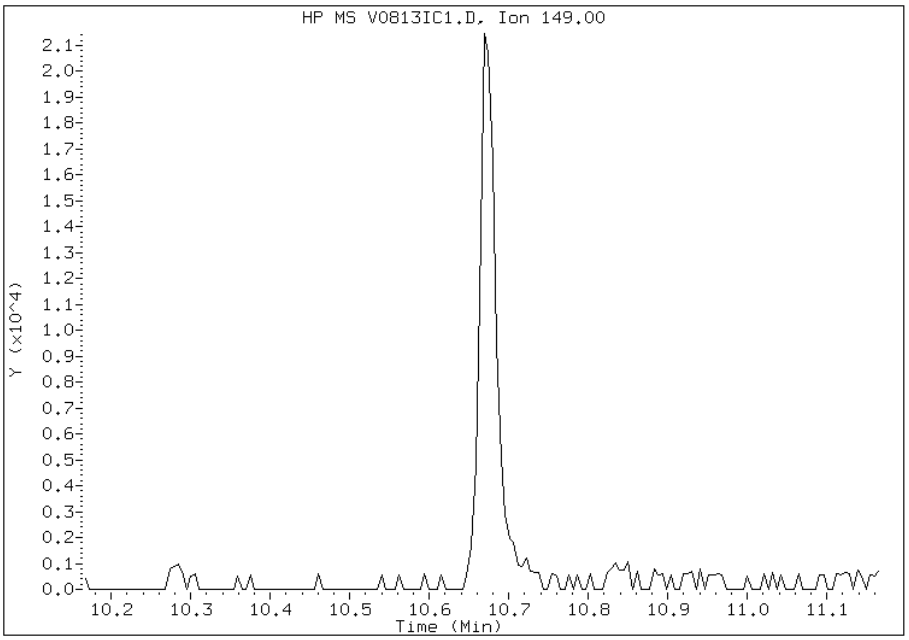
Manual Integration Report

Data File: V0813IC1.D
Inj. Date and Time: 13-AUG-2012 09:53
Instrument ID: 731.i
Client ID:
Compound: 140 Di-n-octylphthalate
CAS #: 117-84-0
Report Date: 08/13/2012

Processing Integration Results

Not Detected

Expected RT: 10.67



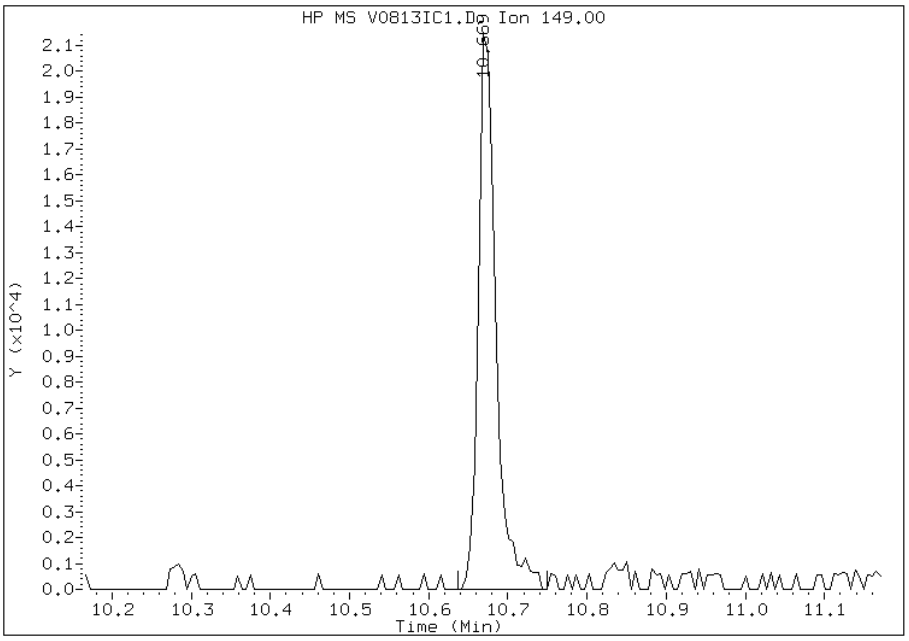
Manual Integration Results

RT: 10.67

Response: 33059

Amount: 0

Conc: 0



Manually Integrated By: piccolinov
Modification Date: 13-Aug-2012 10:18
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V0813IC1.D
Inj. Date and Time: 13-AUG-2012 09:53
Instrument ID: 731.i
Client ID:
Compound: 146 Benzo(a)pyrene
CAS #: 50-32-8
Report Date: 08/13/2012

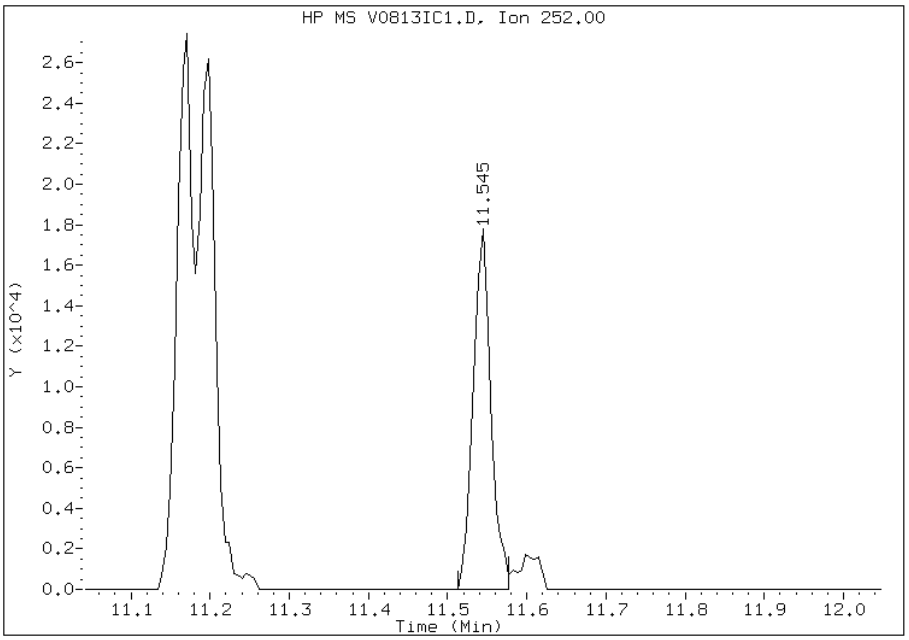
Processing Integration Results

RT: 11.55

Response: 27251

Amount: 0

Conc: 0



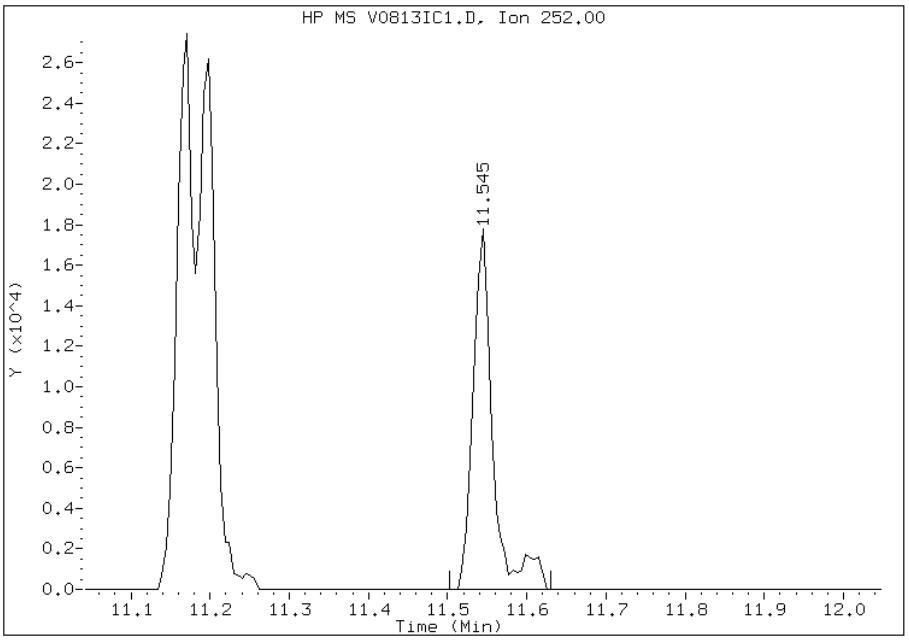
Manual Integration Results

RT: 11.55

Response: 30449

Amount: 0

Conc: 0



Manually Integrated By: piccolinov
Modification Date: 13-Aug-2012 10:18
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V0813IC1.D
Inj. Date and Time: 13-AUG-2012 09:53
Instrument ID: 731.i
Client ID:
Compound: 149 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 08/13/2012

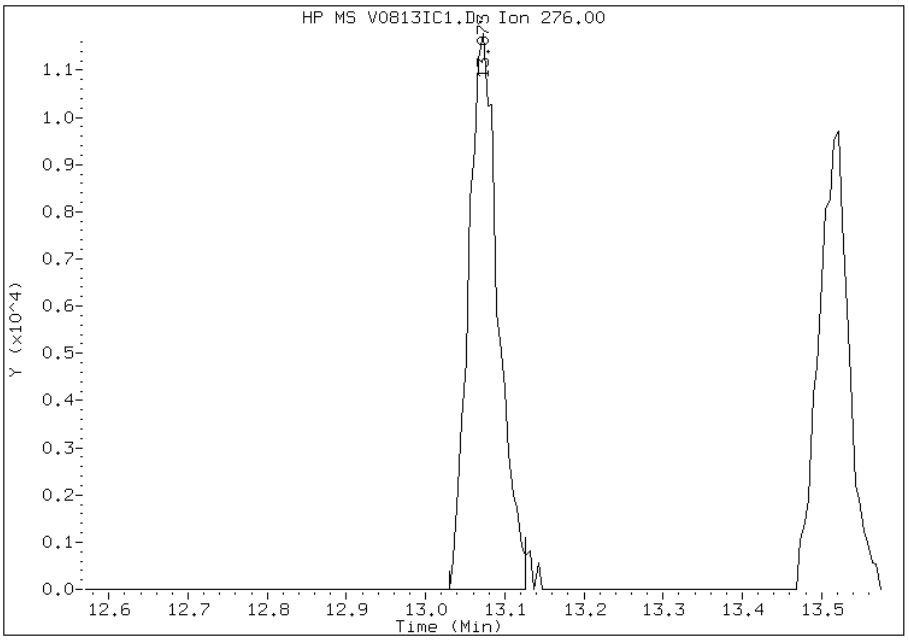
Processing Integration Results

RT: 13.07

Response: 30765

Amount: 0

Conc: 0



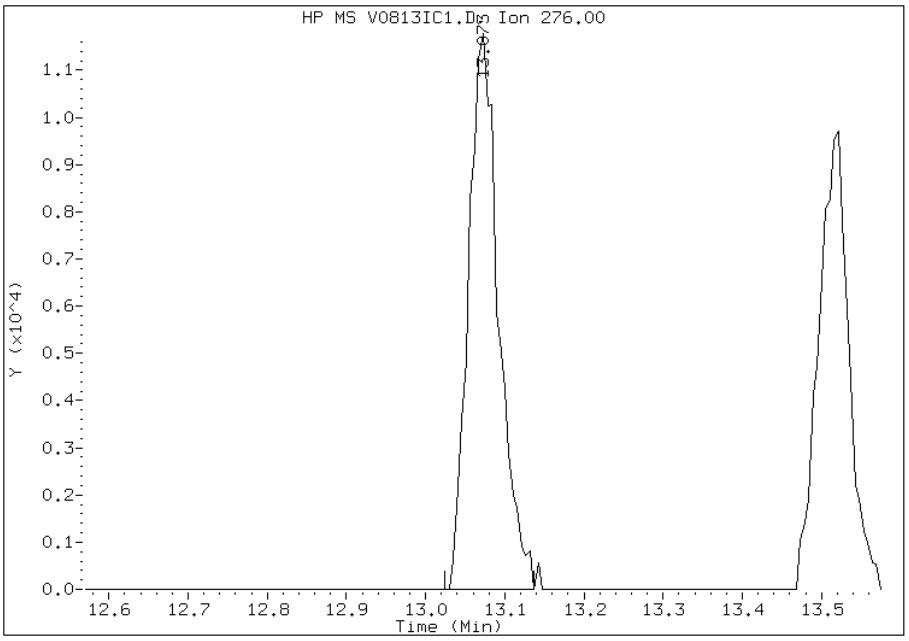
Manual Integration Results

RT: 13.07

Response: 31026

Amount: 0

Conc: 0



Manually Integrated By: piccolinov
Modification Date: 13-Aug-2012 10:18
Manual Integration Reason: Poor Chromatography

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV081312.b\V0813IC2.D
Lab Smp Id: IC 495226
Inj Date : 13-AUG-2012 10:16
Operator : 003200 Inst ID: 731.i
Smp Info : IC 495226
Misc Info : TV081312.b,T8270ll.m,padepi.sub
Comment :
Method : \\PITSVR06\D\chem\731.i\TV081312.b\T8270ll.m
Meth Date : 13-Aug-2012 11:42 piccolinov Quant Type: ISTD
Cal Date : 13-AUG-2012 10:16 Cal File: V0813IC2.D
Als bottle: 3 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	4.605	4.605	(1.000)	143530	8.00000	
* 2 Naphthalene-d8	136	5.577	5.577	(1.000)	684712	8.00000	
* 3 Acenaphthene-d10	164	6.923	6.923	(1.000)	440469	8.00000	
* 4 Phenanthrene-d10	188	8.066	8.066	(1.000)	783573	8.00000	
* 5 Chrysene-d12	240	10.144	10.144	(1.000)	707396	8.00000	
* 6 Perylene-d12	264	11.592	11.592	(1.000)	648999	8.00000	
198 1,4-Dioxane	88	1.485	1.485	(0.323)	10781	2.00000	2.0094(M)
10 N-Nitrosodimethylamine	74	1.982	1.982	(0.430)	12800	2.00000	2.1248
9 Pyridine	79	2.035	2.035	(0.442)	23759	2.00000	2.3538(M)
16 Methyl methanesulfonate	80	3.413	3.413	(0.741)	17264	2.00000	2.1150
206 Benzaldehyde	77	4.257	4.257	(0.925)	17317	2.00000	1.7944
21 Aniline	93	4.348	4.348	(0.944)	60229	2.00000	2.0560
22 Phenol	94	4.337	4.337	(0.942)	60234	2.00000	2.0226
23 bis(2-Chloroethyl)ether	93	4.402	4.402	(0.956)	42078	2.00000	2.0993
24 2-Chlorophenol	128	4.439	4.439	(0.964)	49837	2.00000	1.9728
26 1,3-Dichlorobenzene	146	4.562	4.562	(0.991)	61930	2.00000	2.0778
27 1,4-Dichlorobenzene	146	4.615	4.615	(1.002)	64195	2.00000	2.0450
28 1,2-Dichlorobenzene	146	4.733	4.733	(1.028)	60734	2.00000	2.0213
217 Indene	116	4.802	4.802	(1.043)	88502	2.00000	2.1024
29 Benzyl Alcohol	108	4.706	4.706	(1.022)	33132	2.00000	2.1404(M)
30 2-Methylphenol	108	4.797	4.797	(1.042)	45977	2.00000	2.0178
31 2,2'-oxybis(1-Chloropropane)	45	4.818	4.818	(1.046)	67639	2.00000	2.0241
37 Acetophenone	105	4.909	4.909	(1.066)	72805	2.00000	1.9892
32 N-Nitroso-di-n-propylamine	70	4.909	4.909	(1.066)	32961	2.00000	2.0745
192 4-Methylphenol	108	4.909	4.909	(1.066)	46422	2.00000	2.0274
34 Hexachloroethane	117	4.995	4.995	(1.085)	24887	2.00000	2.0386
35 Nitrobenzene	77	5.037	5.037	(0.903)	51655	2.00000	2.0432
36 N-Nitrosopyrrolidine	100	4.882	4.882	(1.060)	19494	2.00000	1.9355

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
41 Isophorone	82	5.219	5.219	(0.936)	87575	2.00000	2.0288
42 2-Nitrophenol	139	5.283	5.283	(0.947)	31406	2.00000	2.0441
43 2,4-Dimethylphenol	107	5.315	5.315	(0.953)	51909	2.00000	2.0047
44 bis(2-Chloroethoxy)methane	93	5.384	5.384	(0.966)	58785	2.00000	1.9953
48 2,4-Dichlorophenol	162	5.465	5.465	(0.980)	48463	2.00000	1.9662
49 Benzoic Acid	122	5.347	5.347	(0.959)	58831	4.00000	4.1231(M)
50 1,2,4-Trichlorobenzene	180	5.534	5.534	(0.992)	61855	2.00000	2.0551
51 Naphthalene	128	5.593	5.593	(1.003)	182460	2.00000	2.0406
52 4-Chloroaniline	127	5.625	5.625	(1.009)	71335	2.00000	2.0894
54 2,6-Dichlorophenol	162	5.636	5.636	(1.011)	47305	2.00000	2.0318
56 Hexachlorobutadiene	225	5.694	5.694	(1.021)	33086	2.00000	2.0702
208 Caprolactam	113	5.860	5.860	(1.051)	13433	2.00000	1.9645
59 4-Chloro-3-Methylphenol	107	5.994	5.994	(1.075)	48980	2.00000	2.0687
62 2-Methylnaphthalene	142	6.122	6.122	(1.098)	129907	2.00000	2.0585
63 1-Methylnaphthalene	142	6.197	6.197	(1.111)	123008	2.00000	2.0283
64 Hexachlorocyclopentadiene	237	6.250	6.250	(0.903)	35829	2.00000	1.9983
65 1,2,4,5-Tetrachlorobenzene	216	6.255	6.255	(0.904)	59855	2.00000	2.0180
66 2,4,6-Trichlorophenol	196	6.335	6.335	(0.915)	39259	2.00000	1.9757
67 2,4,5-Trichlorophenol	196	6.362	6.362	(0.919)	44724	2.00000	2.1067(M)
209 1,1'-Biphenyl	154	6.480	6.480	(0.936)	154520	2.00000	1.9875
70 2-Chloronaphthalene	162	6.496	6.496	(0.938)	127328	2.00000	1.9928
73 2-Nitroaniline	65	6.565	6.565	(0.948)	29994	2.00000	2.0137
76 Dimethylphthalate	163	6.699	6.699	(0.968)	133405	2.00000	2.0441
78 2,6-Dinitrotoluene	165	6.747	6.747	(0.975)	28577	2.00000	2.0434
79 Acenaphthylene	152	6.816	6.816	(0.985)	193647	2.00000	2.0081
81 3-Nitroaniline	138	6.875	6.875	(0.993)	34319	2.00000	2.0914
82 Acenaphthene	153	6.950	6.950	(1.004)	128917	2.00000	1.9823
83 2,4-Dinitrophenol	184	6.955	6.955	(1.005)	27835	4.00000	3.7937
85 4-Nitrophenol	109	6.992	6.992	(1.010)	26959	4.00000	4.0278
86 Dibenzofuran	168	7.078	7.078	(1.022)	189911	2.00000	2.0339
87 2,4-Dinitrotoluene	165	7.057	7.057	(1.019)	40096	2.00000	2.0700
91 2,3,5,6-Tetrachlorophenol	232	7.142	7.142	(1.032)	33115	2.00000	2.0117
88 2,3,4,6-Tetrachlorophenol	232	7.174	7.174	(1.036)	34272	2.00000	2.0172
92 2-Naphthylamine	143	7.195	7.195	(1.039)	67215	2.00000	2.2443
93 Diethylphthalate	149	7.238	7.238	(1.046)	141530	2.00000	2.0798
94 Fluorene	166	7.345	7.345	(1.061)	154993	2.00000	2.0420
95 4-Chlorophenyl-phenylether	204	7.340	7.340	(1.060)	72678	2.00000	2.0294
96 4-Nitroaniline	138	7.340	7.340	(1.060)	34186	2.00000	2.0542
98 4,6-Dinitro-2-methylphenol	198	7.372	7.372	(0.914)	40141	4.00000	3.8033
99 N-Nitrosodiphenylamine (1)	169	7.425	7.425	(0.921)	98327	2.00000	1.9994
100 1,2-Diphenylhydrazine	77	7.457	7.457	(0.925)	145613	2.00000	2.0491
106 4-Bromophenyl-phenylether	248	7.714	7.714	(0.956)	42425	2.00000	2.0570
107 Hexachlorobenzene	284	7.778	7.778	(0.964)	39906	2.00000	2.0117
210 Atrazine	200	7.826	7.826	(0.970)	23048	2.00000	2.1741
111 Pentachlorophenol	266	7.922	7.922	(0.982)	52833	4.00000	3.9108
115 Phenanthrene	178	8.088	8.088	(1.003)	232109	2.00000	2.0405
116 Anthracene	178	8.125	8.125	(1.007)	231314	2.00000	2.0243(M)
119 Carbazole	167	8.243	8.243	(1.022)	199822	2.00000	2.0281
120 Di-n-Butylphthalate	149	8.488	8.488	(1.052)	241502	2.00000	2.0666
123 Fluoranthene	202	9.006	9.006	(1.117)	235654	2.00000	2.0503
124 Benzidine	184	9.092	9.092	(0.896)	34406	2.00000	1.7711
125 Pyrene	202	9.188	9.188	(0.906)	239358	2.00000	2.0158
131 Butylbenzylphthalate	149	9.658	9.658	(0.952)	91688	2.00000	1.9940
135 3,3'-Dichlorobenzidine	252	10.102	10.102	(0.996)	58125	2.00000	1.8990

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
136 Benzo(a)Anthracene	228	10.139	10.139	(0.999)	197740	2.00000	1.9981
137 Chrysene	228	10.166	10.166	(1.002)	198851	2.00000	2.0106
139 bis(2-ethylhexyl)Phthalate	149	10.107	10.107	(0.996)	129388	2.00000	1.9569
140 Di-n-octylphthalate	149	10.663	10.663	(0.920)	191360	2.00000	1.9737
141 Benzo(b)fluoranthene	252	11.154	11.154	(0.962)	206169	2.00000	1.9812
142 Benzo(k)fluoranthene	252	11.186	11.186	(0.965)	205817	2.00000	2.0246
143 7,12-dimethylbenz[a]anthracen	256	11.138	11.138	(0.961)	78938	2.00000	1.9584
146 Benzo(a)pyrene	252	11.528	11.528	(0.994)	152034	2.00000	2.0105(M)
149 Indeno(1,2,3-cd)pyrene	276	13.045	13.045	(1.125)	166206	2.00000	1.9836(M)
150 Dibenz(a,h)anthracene	278	13.056	13.056	(1.126)	137272	2.00000	1.9885(M)
151 Benzo(g,h,i)perylene	276	13.483	13.483	(1.163)	139333	2.00000	1.9848(M)
$ 154 Nitrobenzene-d5	82	5.021	5.021	(0.900)	50662	2.00000	2.0486
$ 155 2-Fluorobiphenyl	172	6.399	6.399	(0.924)	136027	2.00000	2.0072
$ 156 Terphenyl-d14	244	9.290	9.290	(0.916)	140069	2.00000	2.0428
$ 157 Phenol-d5	99	4.327	4.327	(0.940)	50033	2.00000	2.0603
$ 158 2-Fluorophenol	112	3.579	3.579	(0.777)	34746	2.00000	2.0461
$ 159 2,4,6-Tribromophenol	330	7.532	7.532	(0.934)	15385	2.00000	2.0148
$ 186 2-Chlorophenol-d4	132	4.428	4.428	(0.962)	49953	2.00000	2.0296
$ 187 1,2-Dichlorobenzene-d4	152	4.722	4.722	(1.026)	37587	2.00000	2.0472

QC Flag Legend

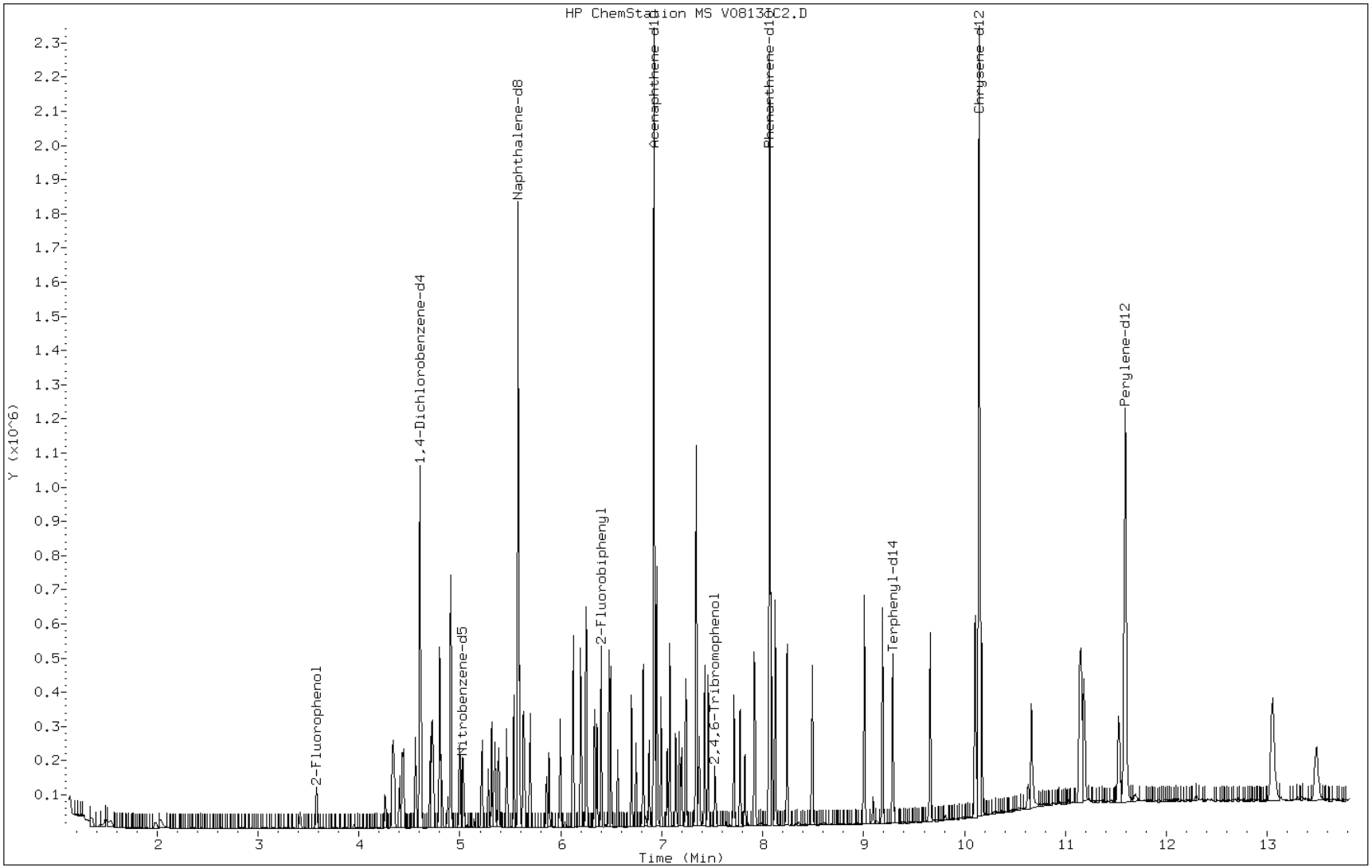
M - Compound response manually integrated.

Data File: V0813IC2.D

Date: 13-AUG-2012 10:16

Client ID: Instrument: 731.i

Sample Info: IC 495226 Operator: 003200



Manual Integration Report

Data File: V0813IC2.D
Inj. Date and Time: 13-AUG-2012 10:16
Instrument ID: 731.i
Client ID:
Compound: 198 1,4-Dioxane
CAS #: 123-91-1
Report Date: 08/13/2012

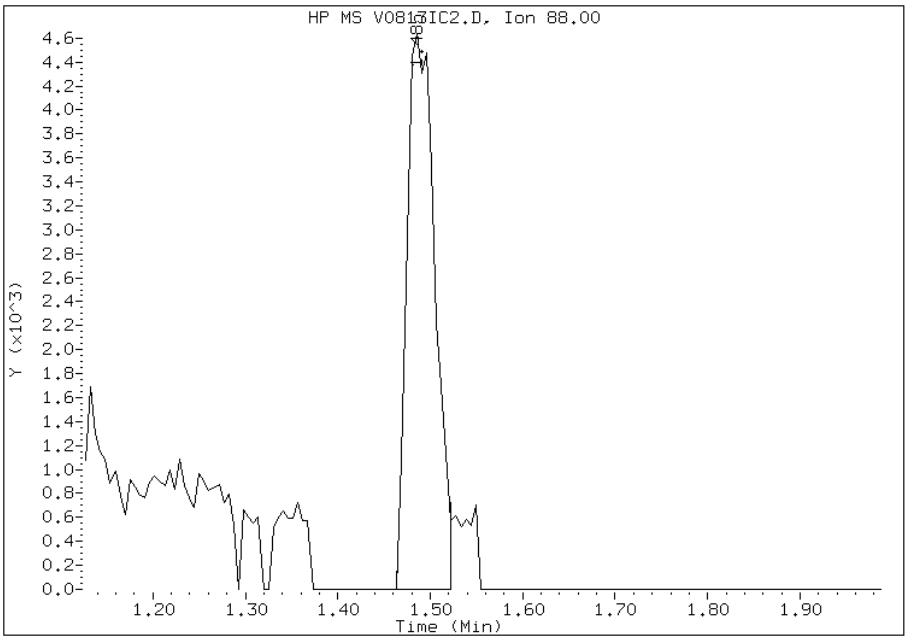
Processing Integration Results

RT: 1.49

Response: 9834

Amount: 2

Conc: 2



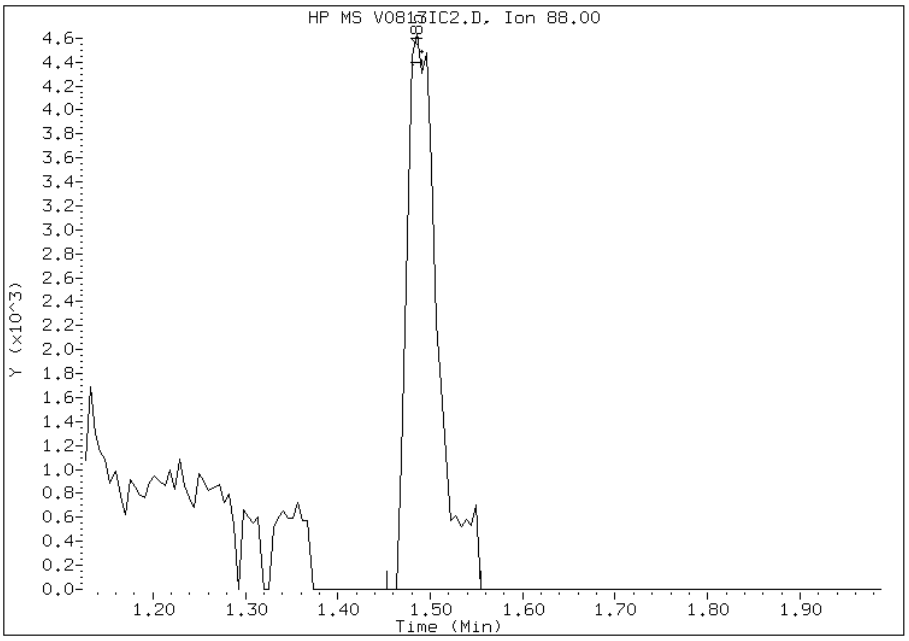
Manual Integration Results

RT: 1.49

Response: 10781

Amount: 2

Conc: 2



Manually Integrated By: piccolinov
Modification Date: 13-Aug-2012 11:45
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V0813IC2.D
Inj. Date and Time: 13-AUG-2012 10:16
Instrument ID: 731.i
Client ID:
Compound: 9 Pyridine
CAS #: 110-86-1
Report Date: 08/13/2012

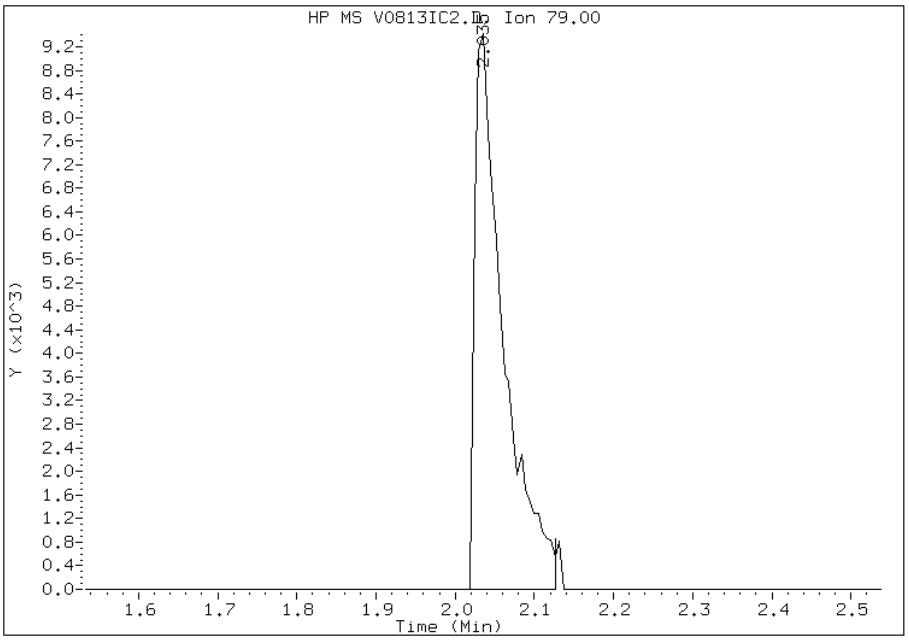
Processing Integration Results

RT: 2.04

Response: 23496

Amount: 2

Conc: 2



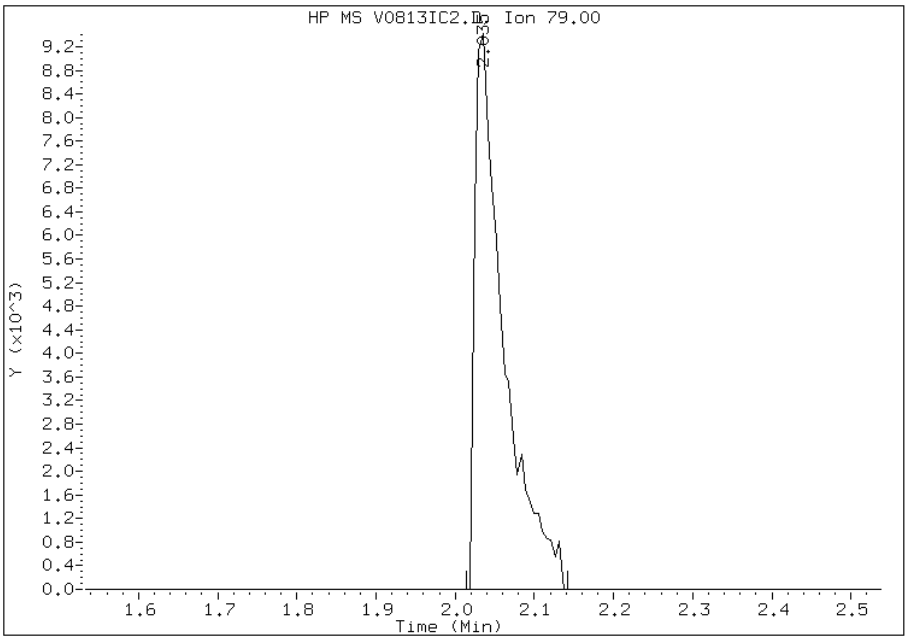
Manual Integration Results

RT: 2.04

Response: 23759

Amount: 2

Conc: 2



Manually Integrated By: piccolinov
Modification Date: 13-Aug-2012 11:45
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V0813IC2.D
Inj. Date and Time: 13-AUG-2012 10:16
Instrument ID: 731.i
Client ID:
Compound: 29 Benzyl Alcohol
CAS #: 100-51-6
Report Date: 08/13/2012

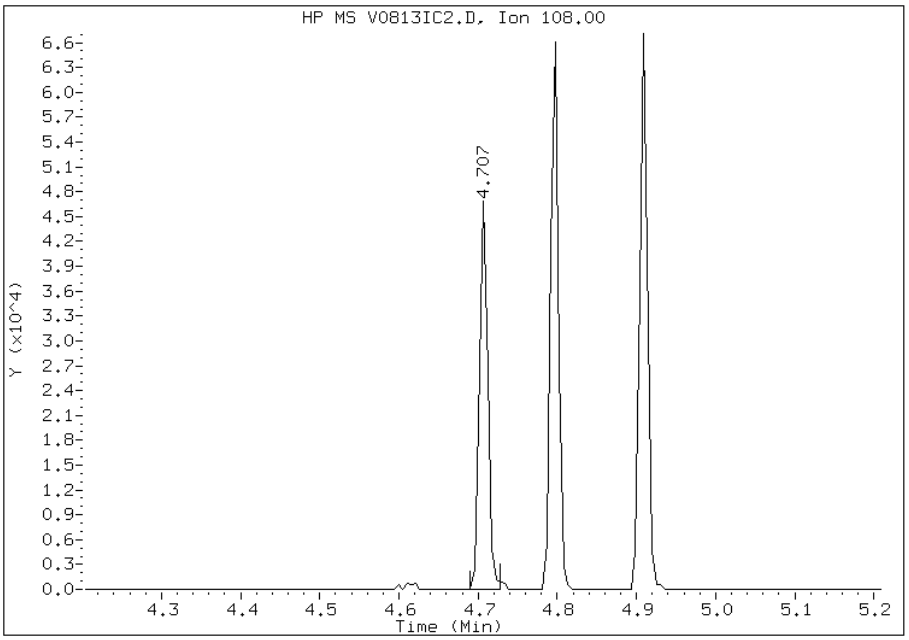
Processing Integration Results

RT: 4.71

Response: 32920

Amount: 2

Conc: 2



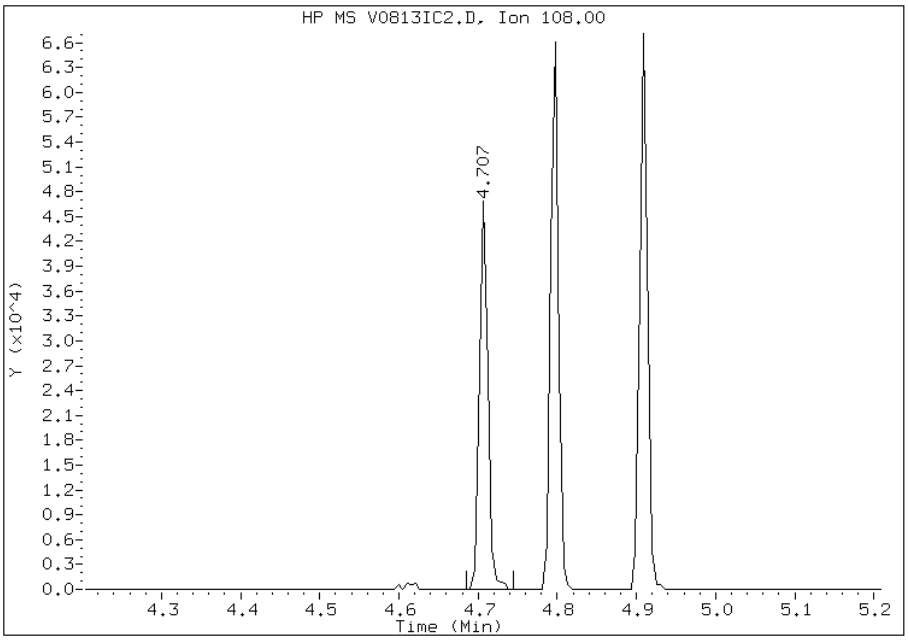
Manual Integration Results

RT: 4.71

Response: 33132

Amount: 2

Conc: 2



Manually Integrated By: piccolinov
Modification Date: 13-Aug-2012 11:45
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V0813IC2.D
Inj. Date and Time: 13-AUG-2012 10:16
Instrument ID: 731.i
Client ID:
Compound: 49 Benzoic Acid
CAS #: 65-85-0
Report Date: 08/13/2012

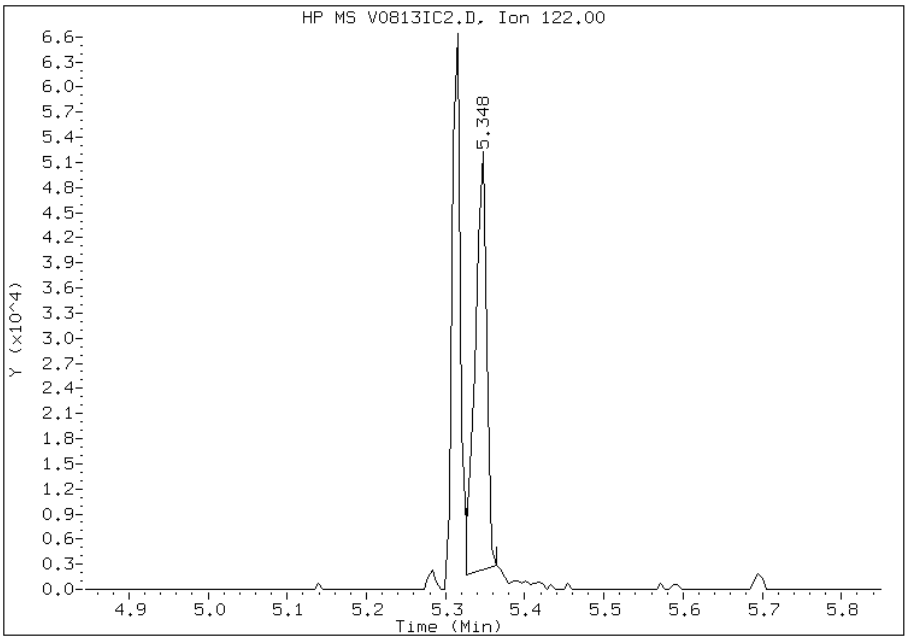
Processing Integration Results

RT: 5.35

Response: 49246

Amount: 4

Conc: 4



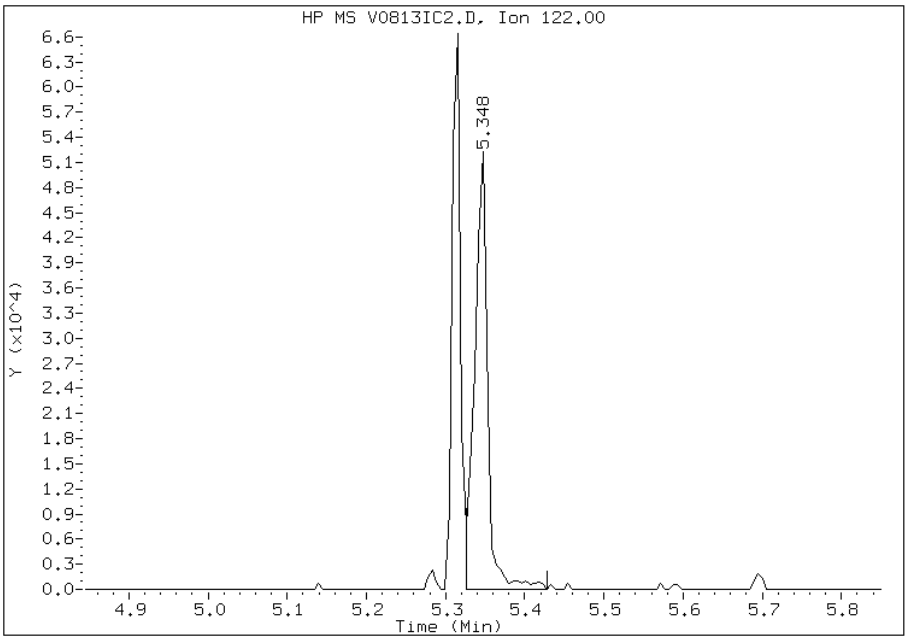
Manual Integration Results

RT: 5.35

Response: 58831

Amount: 4

Conc: 4



Manually Integrated By: piccolinov
Modification Date: 13-Aug-2012 11:46
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V0813IC2.D
Inj. Date and Time: 13-AUG-2012 10:16
Instrument ID: 731.i
Client ID:
Compound: 67 2,4,5-Trichlorophenol
CAS #: 95-95-4
Report Date: 08/13/2012

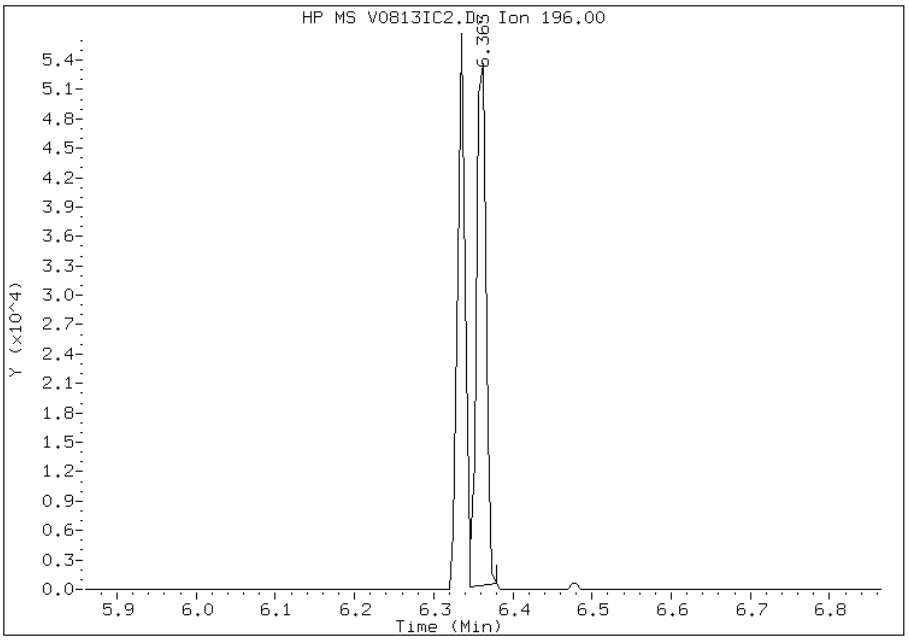
Processing Integration Results

RT: 6.36

Response: 43633

Amount: 2

Conc: 2



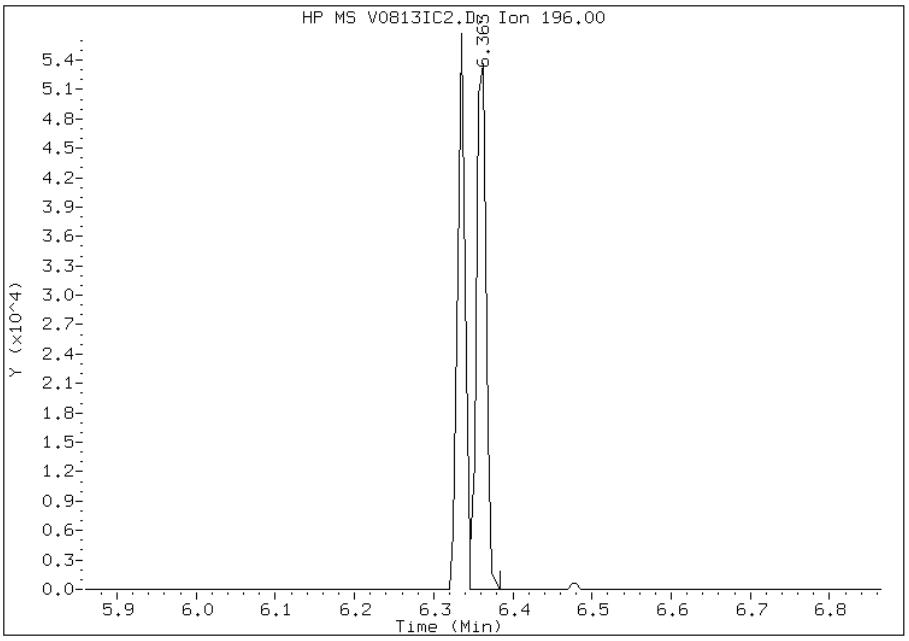
Manual Integration Results

RT: 6.36

Response: 44724

Amount: 2

Conc: 2



Manually Integrated By: piccolinov
Modification Date: 13-Aug-2012 11:46
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V0813IC2.D
Inj. Date and Time: 13-AUG-2012 10:16
Instrument ID: 731.i
Client ID:
Compound: 116 Anthracene
CAS #: 120-12-7
Report Date: 08/13/2012

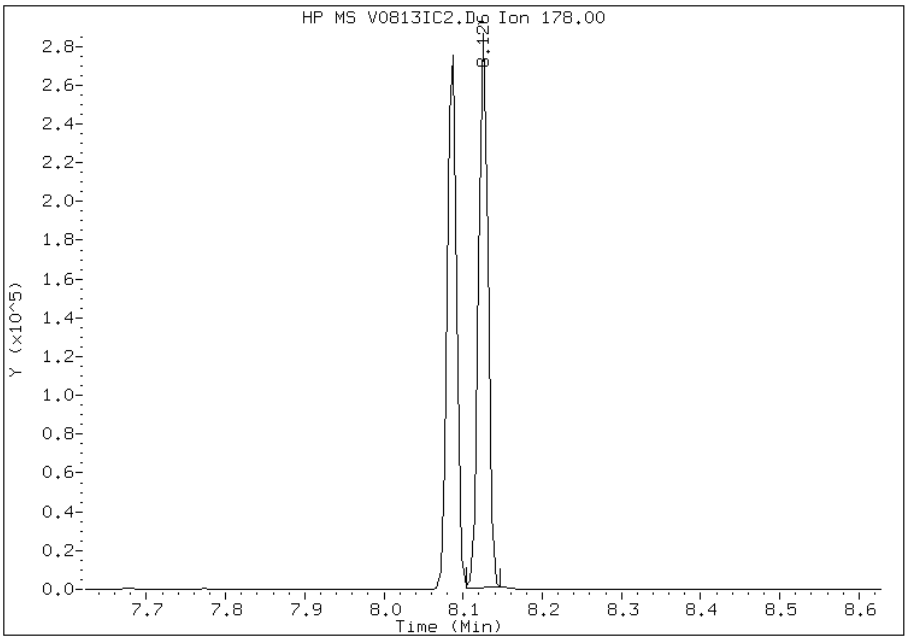
Processing Integration Results

RT: 8.13

Response: 228209

Amount: 2

Conc: 2



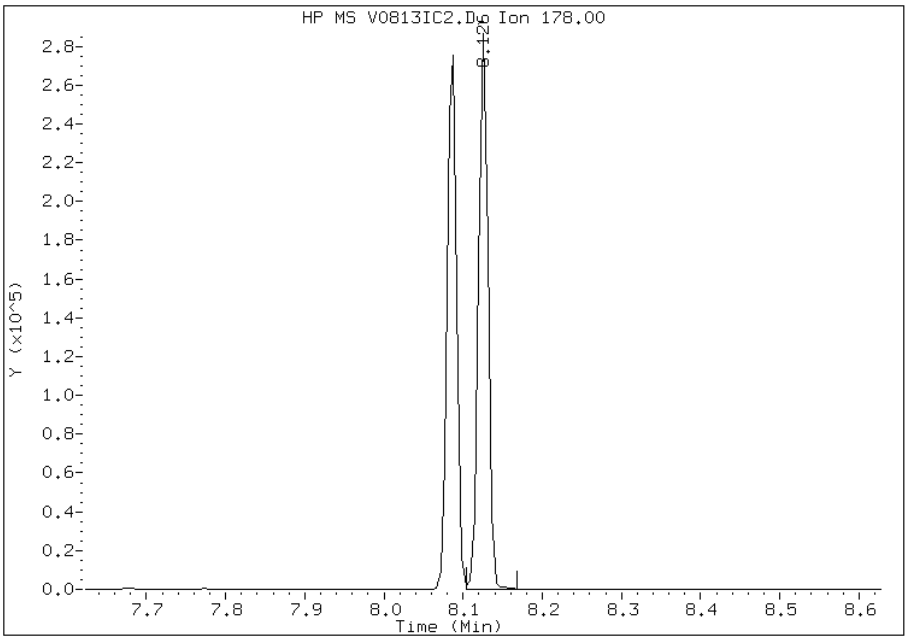
Manual Integration Results

RT: 8.13

Response: 231314

Amount: 2

Conc: 2



Manually Integrated By: piccolinov
Modification Date: 13-Aug-2012 11:46
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V0813IC2.D
Inj. Date and Time: 13-AUG-2012 10:16
Instrument ID: 731.i
Client ID:
Compound: 146 Benzo(a)pyrene
CAS #: 50-32-8
Report Date: 08/13/2012

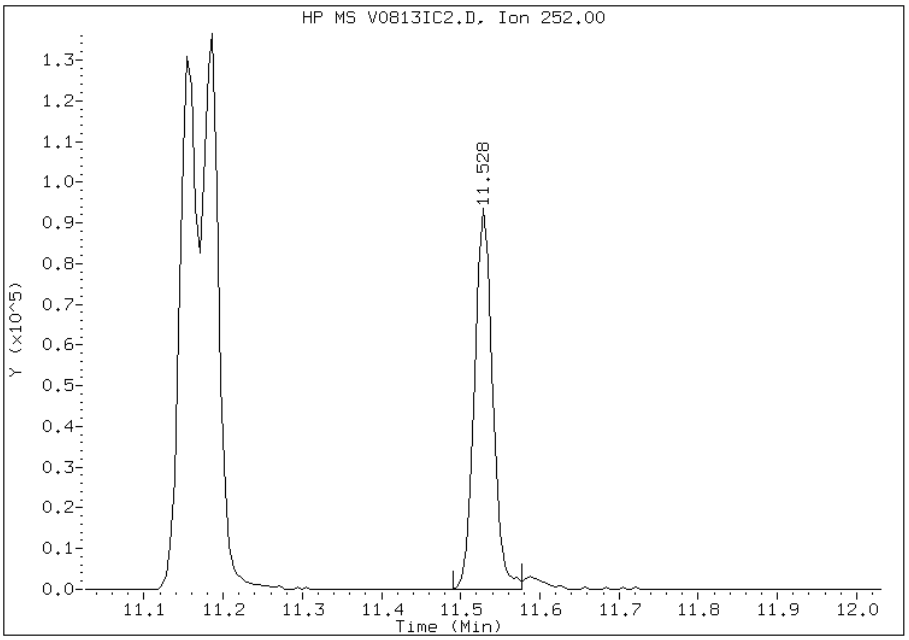
Processing Integration Results

RT: 11.53

Response: 146657

Amount: 2

Conc: 2



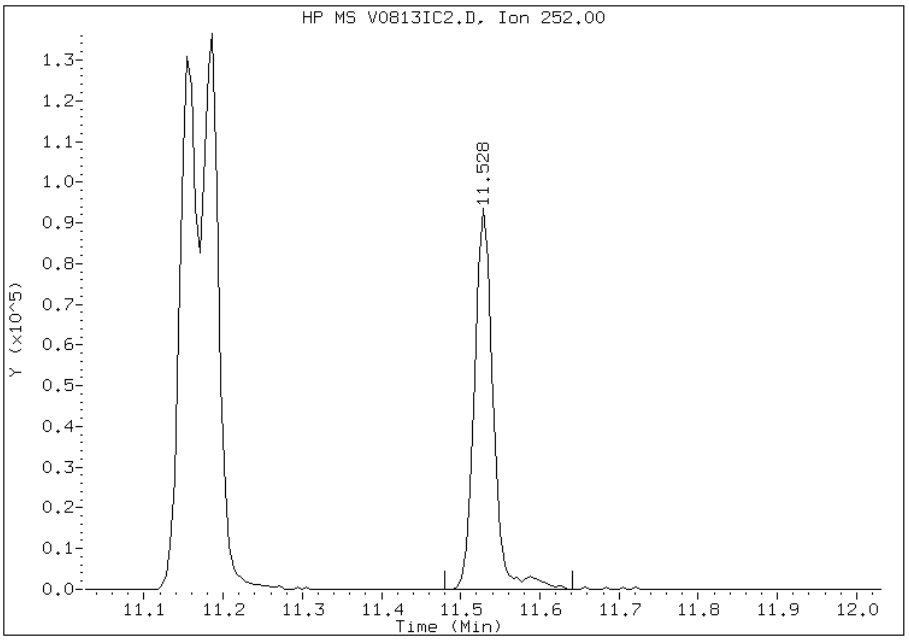
Manual Integration Results

RT: 11.53

Response: 152034

Amount: 2

Conc: 2



Manually Integrated By: piccolinov
Modification Date: 13-Aug-2012 11:46
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V0813IC2.D
Inj. Date and Time: 13-AUG-2012 10:16
Instrument ID: 731.i
Client ID:
Compound: 149 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 08/13/2012

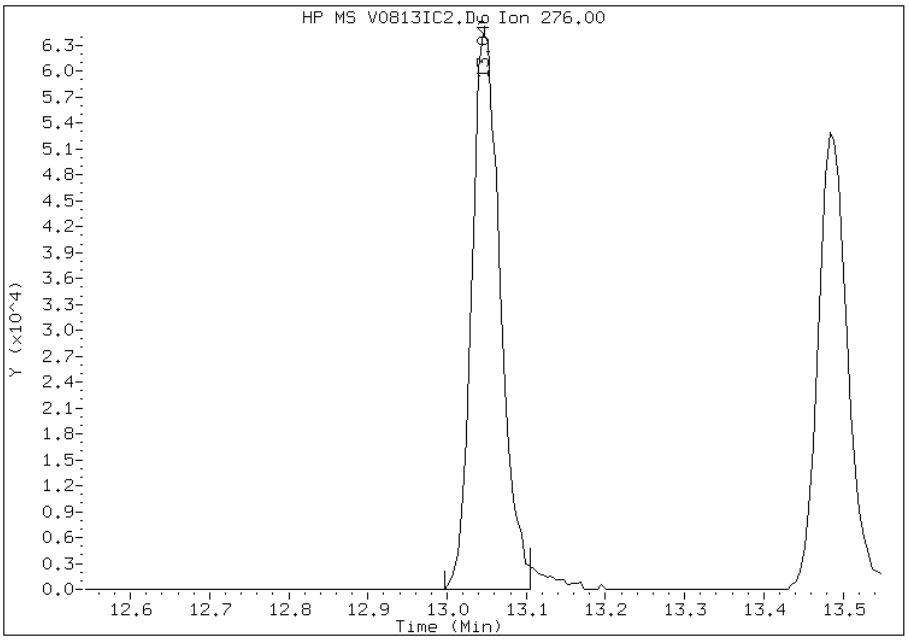
Processing Integration Results

RT: 13.05

Response: 161476

Amount: 2

Conc: 2



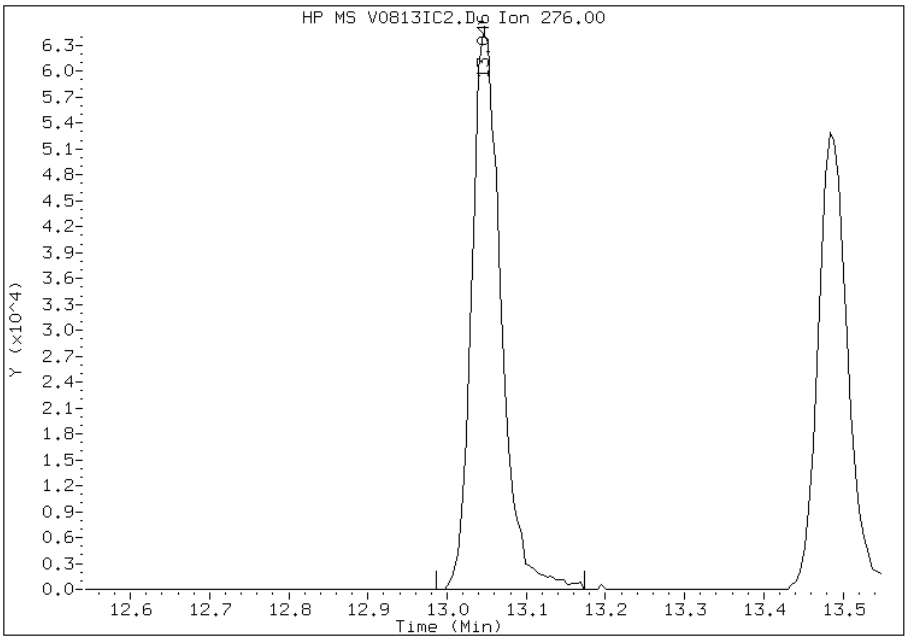
Manual Integration Results

RT: 13.05

Response: 166206

Amount: 2

Conc: 2



Manually Integrated By: piccolinov
Modification Date: 13-Aug-2012 11:46
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V0813IC2.D
Inj. Date and Time: 13-AUG-2012 10:16
Instrument ID: 731.i
Client ID:
Compound: 150 Dibenz(a,h)anthracene
CAS #: 53-70-3
Report Date: 08/13/2012

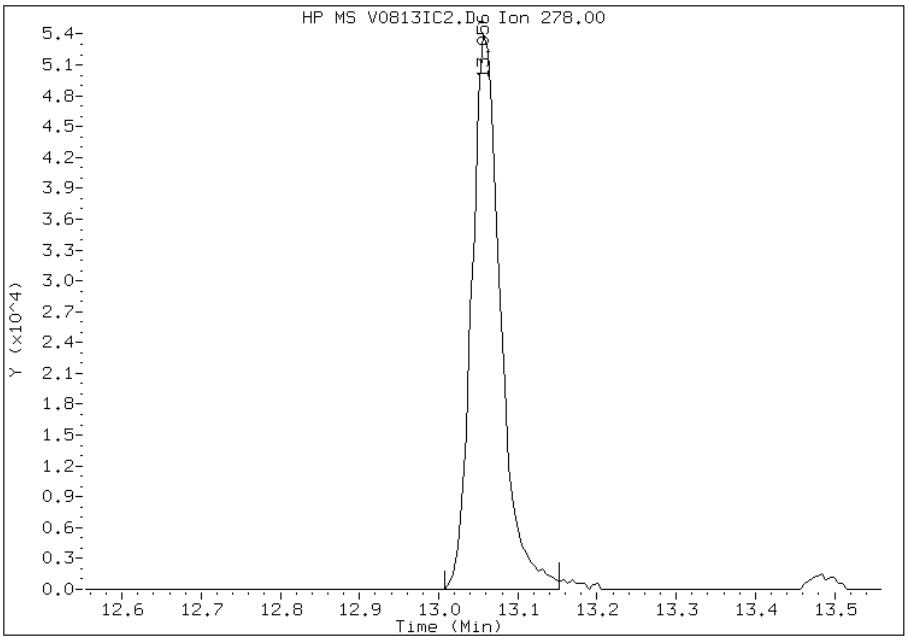
Processing Integration Results

RT: 13.06

Response: 135912

Amount: 2

Conc: 2



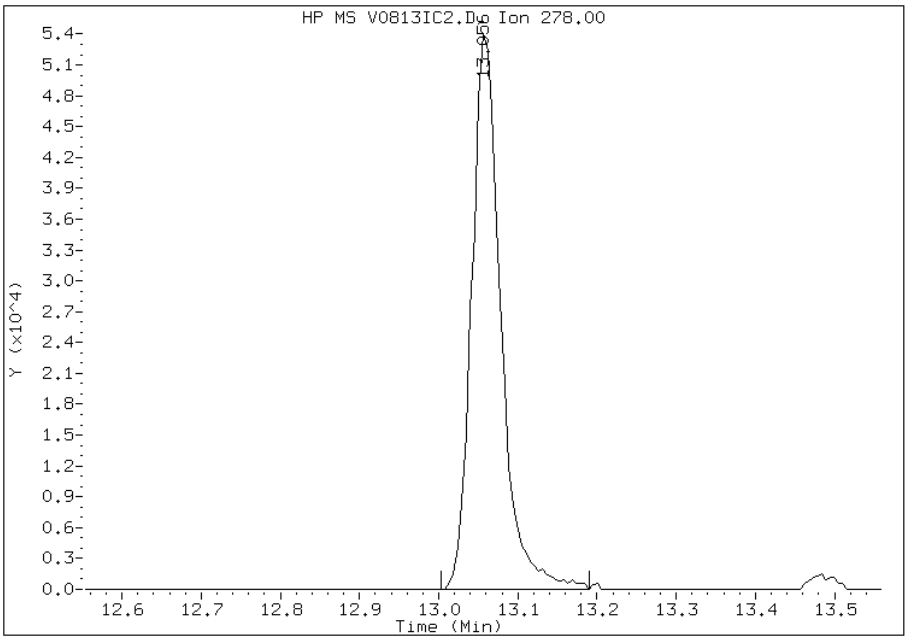
Manual Integration Results

RT: 13.06

Response: 137272

Amount: 2

Conc: 2



Manually Integrated By: piccolinov
Modification Date: 13-Aug-2012 11:47
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V0813IC2.D
Inj. Date and Time: 13-AUG-2012 10:16
Instrument ID: 731.i
Client ID:
Compound: 151 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 08/13/2012

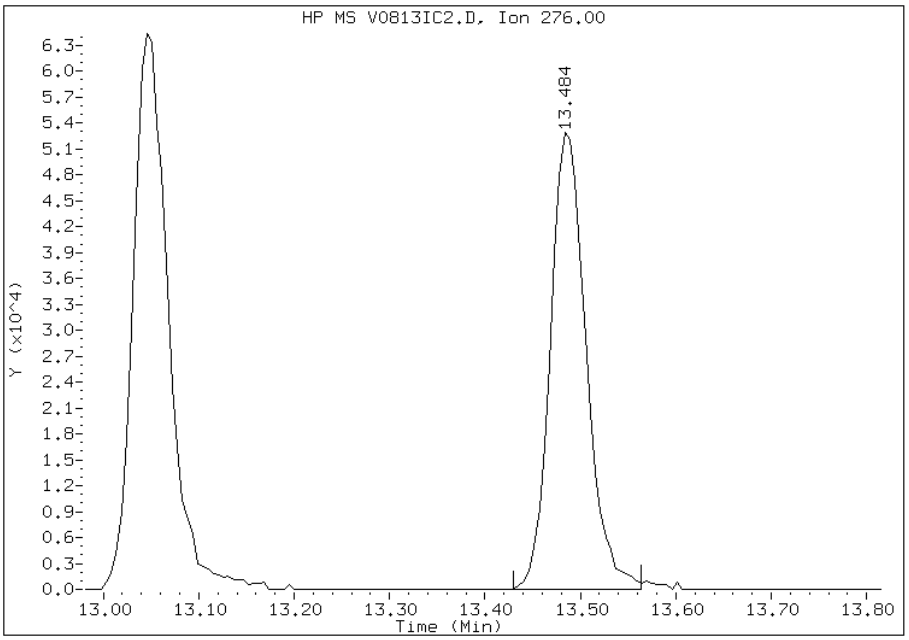
Processing Integration Results

RT: 13.48

Response: 138282

Amount: 2

Conc: 2



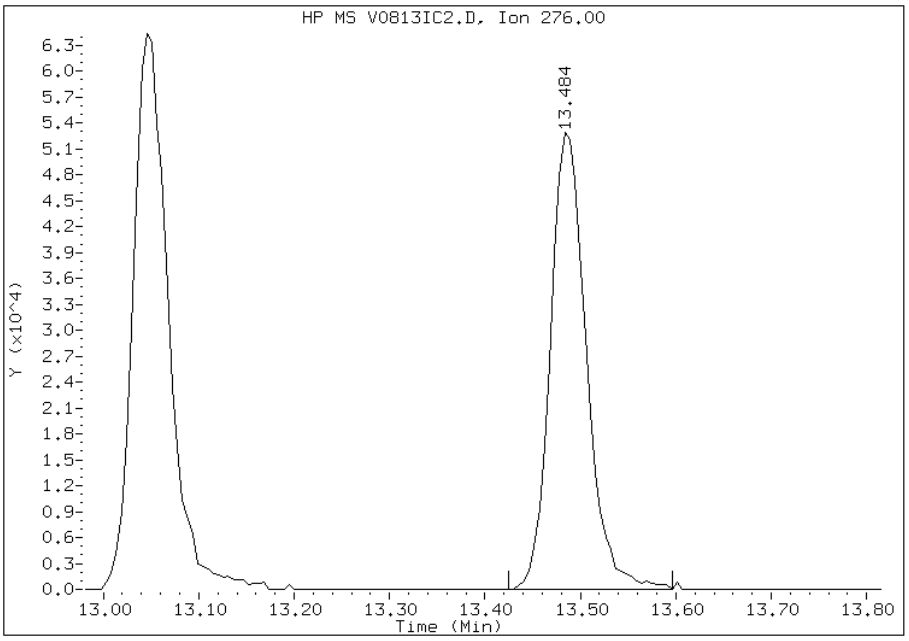
Manual Integration Results

RT: 13.48

Response: 139333

Amount: 2

Conc: 2



Manually Integrated By: piccolinov
Modification Date: 13-Aug-2012 11:47
Manual Integration Reason: Poor Chromatography

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV081312.b\V0813IC3.D
Lab Smp Id: ICIS 505308
Inj Date : 13-AUG-2012 10:39
Operator : 003200 Inst ID: 731.i
Smp Info : ICIS 505308
Misc Info : TV081312.b,T8270ll.m,padepi.sub
Comment :
Method : \\PITSVR06\D\chem\731.i\TV081312.b\T8270ll.m
Meth Date : 13-Aug-2012 11:42 piccolinov Quant Type: ISTD
Cal Date : 13-AUG-2012 10:39 Cal File: V0813IC3.D
Als bottle: 4 Calibration Sample, Level: 3
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	4.610	4.610	(1.000)	165213	8.00000	
* 2 Naphthalene-d8	136	5.582	5.582	(1.000)	781684	8.00000	
* 3 Acenaphthene-d10	164	6.928	6.928	(1.000)	500969	8.00000	
* 4 Phenanthrene-d10	188	8.072	8.072	(1.000)	877307	8.00000	
* 5 Chrysene-d12	240	10.155	10.155	(1.000)	784555	8.00000	
* 6 Perylene-d12	264	11.608	11.608	(1.000)	745050	8.00000	
198 1,4-Dioxane	88	1.479	1.479	(0.321)	20647	4.00000	3.3246(M)
10 N-Nitrosodimethylamine	74	1.976	1.976	(0.429)	28751	4.00000	4.1463
9 Pyridine	79	2.014	2.014	(0.437)	50582	4.00000	4.2778(M)
16 Methyl methanesulfonate	80	3.419	3.419	(0.742)	35682	4.00000	3.7977
206 Benzaldehyde	77	4.263	4.263	(0.925)	36469	4.00000	3.2830
21 Aniline	93	4.354	4.354	(0.944)	122684	4.00000	3.6383
22 Phenol	94	4.343	4.343	(0.942)	131169	4.00000	3.8264
23 bis(2-Chloroethyl)ether	93	4.407	4.407	(0.956)	87524	4.00000	3.7936
24 2-Chlorophenol	128	4.444	4.444	(0.964)	111890	4.00000	3.8479
26 1,3-Dichlorobenzene	146	4.567	4.567	(0.991)	131594	4.00000	3.8357
27 1,4-Dichlorobenzene	146	4.621	4.621	(1.002)	136324	4.00000	3.7727
28 1,2-Dichlorobenzene	146	4.738	4.738	(1.028)	132708	4.00000	3.8370
217 Indene	116	4.808	4.808	(1.043)	188476	4.00000	3.8897
29 Benzyl Alcohol	108	4.711	4.711	(1.022)	71199	4.00000	3.9959
30 2-Methylphenol	108	4.802	4.802	(1.042)	101580	4.00000	3.8731
31 2,2'-oxybis(1-Chloropropane)	45	4.824	4.824	(1.046)	146203	4.00000	3.8010
37 Acetophenone	105	4.914	4.914	(1.066)	141939	4.00000	3.3691
32 N-Nitroso-di-n-propylamine	70	4.914	4.914	(1.066)	73246	4.00000	4.0050
192 4-Methylphenol	108	4.914	4.914	(1.066)	103207	4.00000	3.9158
34 Hexachloroethane	117	5.000	5.000	(1.085)	55708	4.00000	3.9645
35 Nitrobenzene	77	5.043	5.043	(0.903)	112454	4.00000	3.8963
36 N-Nitrosopyrrolidine	100	4.888	4.888	(1.060)	45606	4.00000	3.9338

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
41 Isophorone	82	5.224	5.224	(0.936)	192361	4.00000	3.9035
42 2-Nitrophenol	139	5.288	5.288	(0.947)	70658	4.00000	4.0284
43 2,4-Dimethylphenol	107	5.320	5.320	(0.953)	116629	4.00000	3.9453
44 bis(2-Chloroethoxy)methane	93	5.390	5.390	(0.966)	134804	4.00000	4.0080
48 2,4-Dichlorophenol	162	5.470	5.470	(0.980)	109735	4.00000	3.8998
49 Benzoic Acid	122	5.369	5.369	(0.962)	184164	10.0000	10.910(M)
50 1,2,4-Trichlorobenzene	180	5.540	5.540	(0.992)	133041	4.00000	3.8718
51 Naphthalene	128	5.598	5.598	(1.003)	396070	4.00000	3.8800
52 4-Chloroaniline	127	5.630	5.630	(1.009)	149117	4.00000	3.8259
54 2,6-Dichlorophenol	162	5.641	5.641	(1.011)	103868	4.00000	3.9079
56 Hexachlorobutadiene	225	5.700	5.700	(1.021)	73472	4.00000	4.0268
208 Caprolactam	113	5.871	5.871	(1.052)	31624	4.00000	4.0511
59 4-Chloro-3-Methylphenol	107	5.999	5.999	(1.075)	107973	4.00000	3.9946
62 2-Methylnaphthalene	142	6.127	6.127	(1.098)	282434	4.00000	3.9202
63 1-Methylnaphthalene	142	6.202	6.202	(1.111)	273039	4.00000	3.9436
64 Hexachlorocyclopentadiene	237	6.255	6.255	(0.903)	81205	4.00000	3.9822
65 1,2,4,5-Tetrachlorobenzene	216	6.261	6.261	(0.904)	132702	4.00000	3.9338
66 2,4,6-Trichlorophenol	196	6.341	6.341	(0.915)	88230	4.00000	3.9039
67 2,4,5-Trichlorophenol	196	6.368	6.368	(0.919)	97767	4.00000	4.0143(M)
209 1,1'-Biphenyl	154	6.485	6.485	(0.936)	341901	4.00000	3.8667
70 2-Chloronaphthalene	162	6.501	6.501	(0.938)	287316	4.00000	3.9536
73 2-Nitroaniline	65	6.565	6.565	(0.948)	67461	4.00000	3.9821
76 Dimethylphthalate	163	6.704	6.704	(0.968)	291459	4.00000	3.9266
78 2,6-Dinitrotoluene	165	6.752	6.752	(0.975)	66555	4.00000	4.1843
79 Acenaphthylene	152	6.822	6.822	(0.985)	428460	4.00000	3.9065
81 3-Nitroaniline	138	6.880	6.880	(0.993)	74152	4.00000	3.9731
82 Acenaphthene	153	6.955	6.955	(1.004)	294389	4.00000	3.9800
83 2,4-Dinitrophenol	184	6.961	6.961	(1.005)	91658	10.0000	10.984
85 4-Nitrophenol	109	6.998	6.998	(1.010)	78406	10.0000	10.300
86 Dibenzofuran	168	7.083	7.083	(1.022)	414988	4.00000	3.9077
87 2,4-Dinitrotoluene	165	7.062	7.062	(1.019)	91318	4.00000	4.1450
91 2,3,5,6-Tetrachlorophenol	232	7.147	7.147	(1.032)	74853	4.00000	3.9982
88 2,3,4,6-Tetrachlorophenol	232	7.180	7.180	(1.036)	77774	4.00000	4.0032(M)
92 2-Naphthylamine	143	7.201	7.201	(1.039)	103661	4.00000	3.0433
93 Diethylphthalate	149	7.244	7.244	(1.045)	301645	4.00000	3.8975
94 Fluorene	166	7.350	7.350	(1.061)	334397	4.00000	3.8736
95 4-Chlorophenyl-phenylether	204	7.345	7.345	(1.060)	160934	4.00000	3.9512
96 4-Nitroaniline	138	7.345	7.345	(1.060)	75124	4.00000	3.9690
98 4,6-Dinitro-2-methylphenol	198	7.377	7.377	(0.914)	132397	10.0000	11.204
99 N-Nitrosodiphenylamine (1)	169	7.431	7.431	(0.921)	219252	4.00000	3.9821
100 1,2-Diphenylhydrazine	77	7.463	7.463	(0.925)	316414	4.00000	3.9769
106 4-Bromophenyl-phenylether	248	7.719	7.719	(0.956)	92509	4.00000	4.0062
107 Hexachlorobenzene	284	7.783	7.783	(0.964)	89223	4.00000	4.0173
210 Atrazine	200	7.826	7.826	(0.970)	31444	4.00000	2.6492
111 Pentachlorophenol	266	7.927	7.927	(0.982)	152075	10.0000	10.054
115 Phenanthrene	178	8.093	8.093	(1.003)	492124	4.00000	3.8641
116 Anthracene	178	8.130	8.130	(1.007)	507589	4.00000	3.9675
119 Carbazole	167	8.248	8.248	(1.022)	435358	4.00000	3.9465
120 Di-n-Butylphthalate	149	8.499	8.499	(1.053)	519909	4.00000	3.9738
123 Fluoranthene	202	9.012	9.012	(1.116)	499021	4.00000	3.8778
124 Benzidine	184	9.103	9.103	(0.896)	90096	4.00000	4.1818
125 Pyrene	202	9.194	9.194	(0.905)	517600	4.00000	3.9304
131 Butylbenzylphthalate	149	9.669	9.669	(0.952)	208461	4.00000	4.0878
135 3,3'-Dichlorobenzidine	252	10.112	10.112	(0.996)	132710	4.00000	3.9093

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
136 Benzo(a)Anthracene	228	10.150	10.150	(0.999)	431541	4.00000	3.9318
137 Chrysene	228	10.176	10.176	(1.002)	430572	4.00000	3.9254
139 bis(2-ethylhexyl)Phthalate	149	10.118	10.118	(0.996)	294289	4.00000	4.0133
140 Di-n-octylphthalate	149	10.679	10.679	(0.920)	458041	4.00000	4.1152
141 Benzo(b)fluoranthene	252	11.170	11.170	(0.962)	494320	4.00000	4.1378
142 Benzo(k)fluoranthene	252	11.197	11.197	(0.965)	447868	4.00000	3.8376
143 7,12-dimethylbenz[a]anthracen	256	11.154	11.154	(0.961)	189543	4.00000	4.0963
146 Benzo(a)pyrene	252	11.544	11.544	(0.994)	333006	4.00000	3.8360
149 Indeno(1,2,3-cd)pyrene	276	13.072	13.072	(1.126)	394445	4.00000	4.1007
150 Dibenz(a,h)anthracene	278	13.077	13.077	(1.127)	326607	4.00000	4.1212
151 Benzo(g,h,i)perylene	276	13.505	13.505	(1.163)	329410	4.00000	4.0874
$ 154 Nitrobenzene-d5	82	5.027	5.027	(0.900)	110365	4.00000	3.9091
$ 155 2-Fluorobiphenyl	172	6.405	6.405	(0.924)	305881	4.00000	3.9685
$ 156 Terphenyl-d14	244	9.295	9.295	(0.915)	301778	4.00000	3.9685
$ 157 Phenol-d5	99	4.332	4.332	(0.940)	110763	4.00000	3.9624
$ 158 2-Fluorophenol	112	3.584	3.584	(0.778)	76216	4.00000	3.8991
$ 159 2,4,6-Tribromophenol	330	7.537	7.537	(0.934)	33964	4.00000	3.9727
$ 186 2-Chlorophenol-d4	132	4.434	4.434	(0.962)	111443	4.00000	3.9336
$ 187 1,2-Dichlorobenzene-d4	152	4.728	4.728	(1.025)	80829	4.00000	3.8246

QC Flag Legend

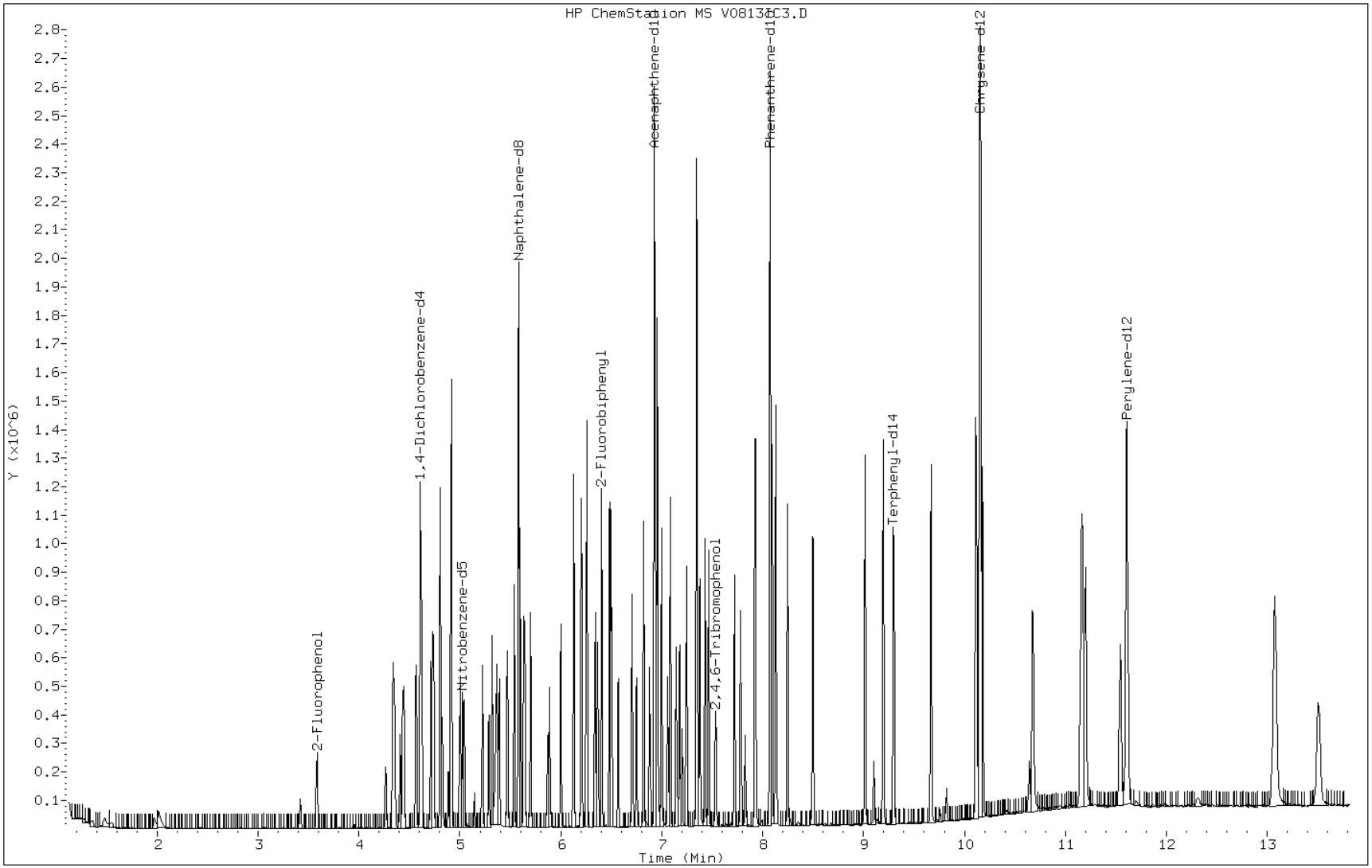
M - Compound response manually integrated.

Data File: V0813IC3.D

Date: 13-AUG-2012 10:39

Client ID: Instrument: 731.i

Sample Info: ICIS 505308 Operator: 003200



Manual Integration Report

Data File: V0813IC3.D
Inj. Date and Time: 13-AUG-2012 10:39
Instrument ID: 731.i
Client ID:
Compound: 198 1,4-Dioxane
CAS #: 123-91-1
Report Date: 08/13/2012

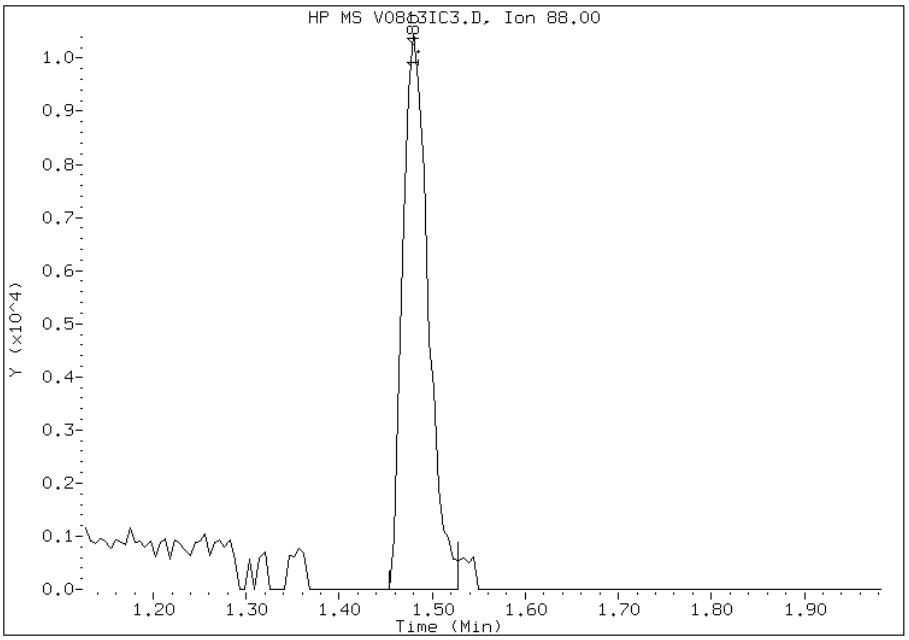
Processing Integration Results

RT: 1.48

Response: 20097

Amount: 3

Conc: 3



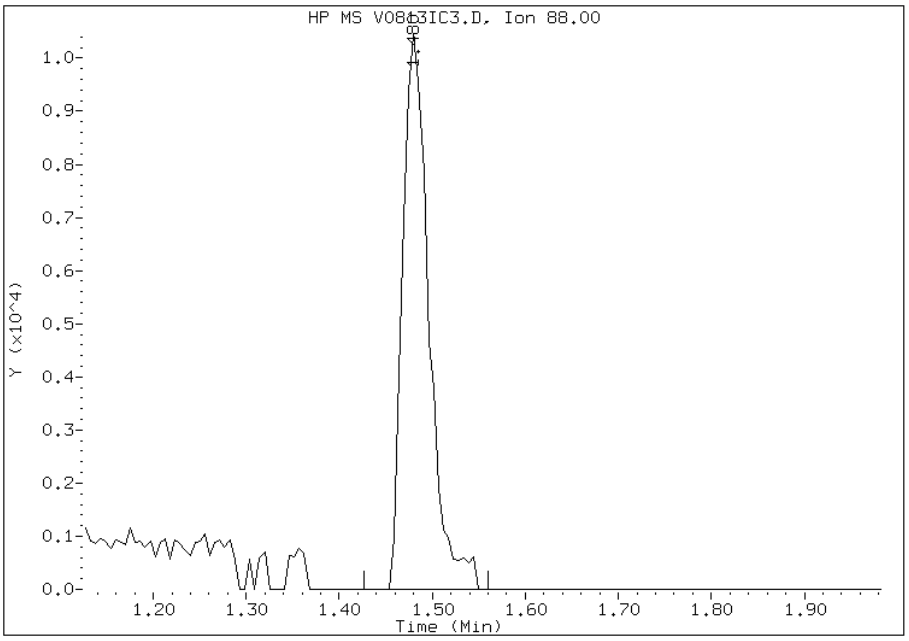
Manual Integration Results

RT: 1.48

Response: 20647

Amount: 3

Conc: 3



Manually Integrated By: piccolinov
Modification Date: 13-Aug-2012 11:47
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V0813IC3.D
Inj. Date and Time: 13-AUG-2012 10:39
Instrument ID: 731.i
Client ID:
Compound: 9 Pyridine
CAS #: 110-86-1
Report Date: 08/13/2012

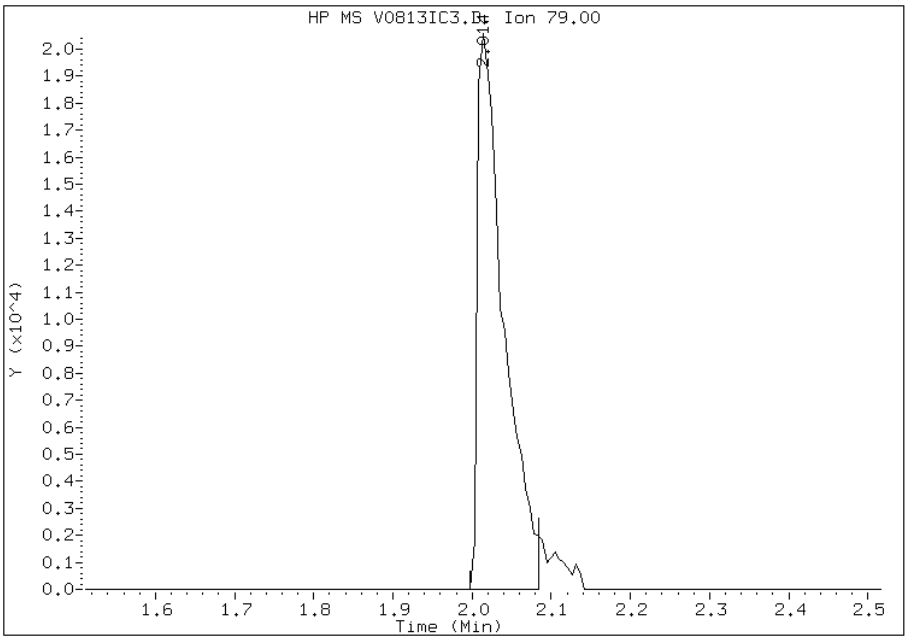
Processing Integration Results

RT: 2.01

Response: 47292

Amount: 4

Conc: 4



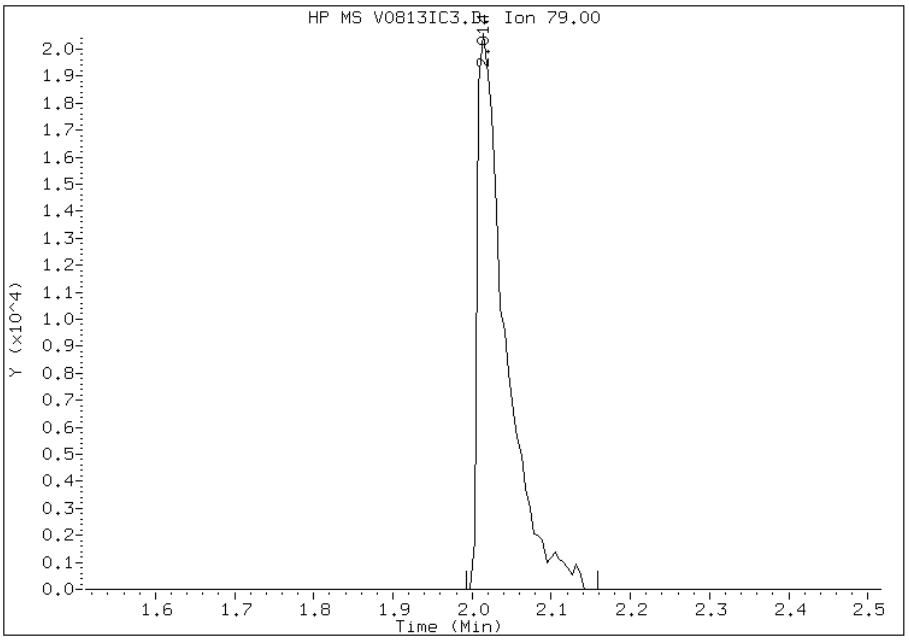
Manual Integration Results

RT: 2.01

Response: 50582

Amount: 4

Conc: 4



Manually Integrated By: piccolinov
Modification Date: 13-Aug-2012 11:47
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V0813IC3.D
Inj. Date and Time: 13-AUG-2012 10:39
Instrument ID: 731.i
Client ID:
Compound: 49 Benzoic Acid
CAS #: 65-85-0
Report Date: 08/13/2012

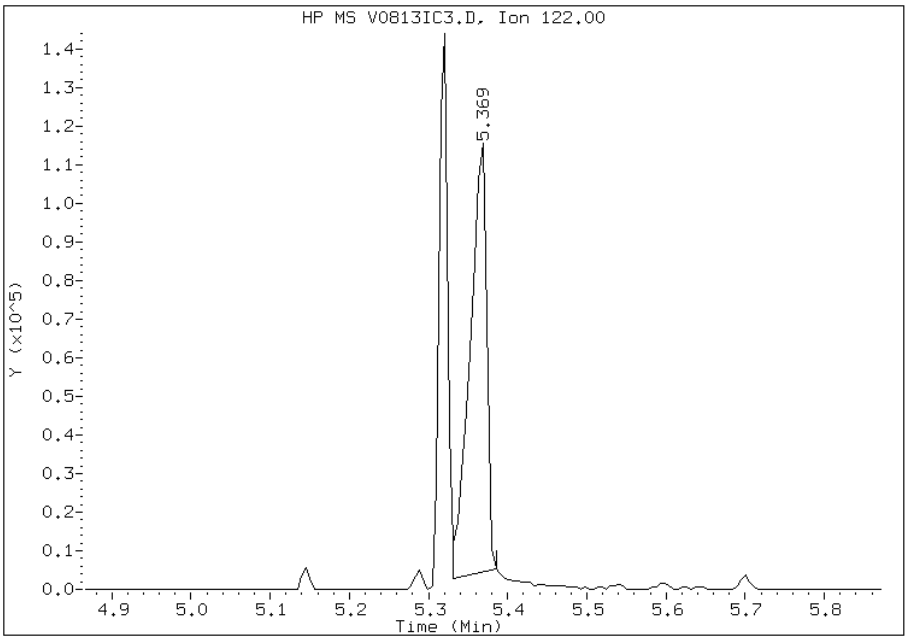
Processing Integration Results

RT: 5.37

Response: 160520

Amount: 10

Conc: 10



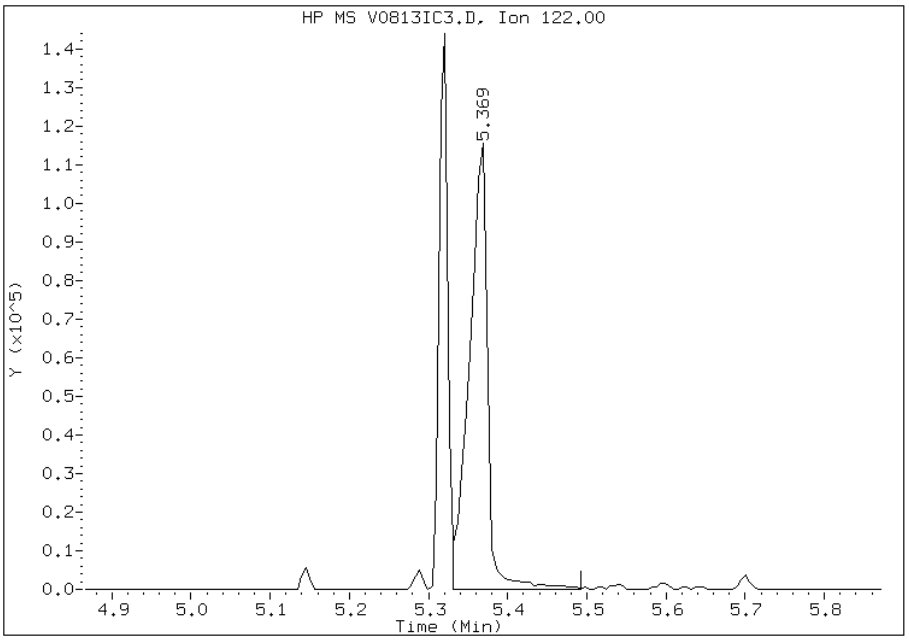
Manual Integration Results

RT: 5.37

Response: 184164

Amount: 11

Conc: 11



Manually Integrated By: piccolinov
Modification Date: 13-Aug-2012 11:47
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V0813IC3.D
Inj. Date and Time: 13-AUG-2012 10:39
Instrument ID: 731.i
Client ID:
Compound: 67 2,4,5-Trichlorophenol
CAS #: 95-95-4
Report Date: 08/13/2012

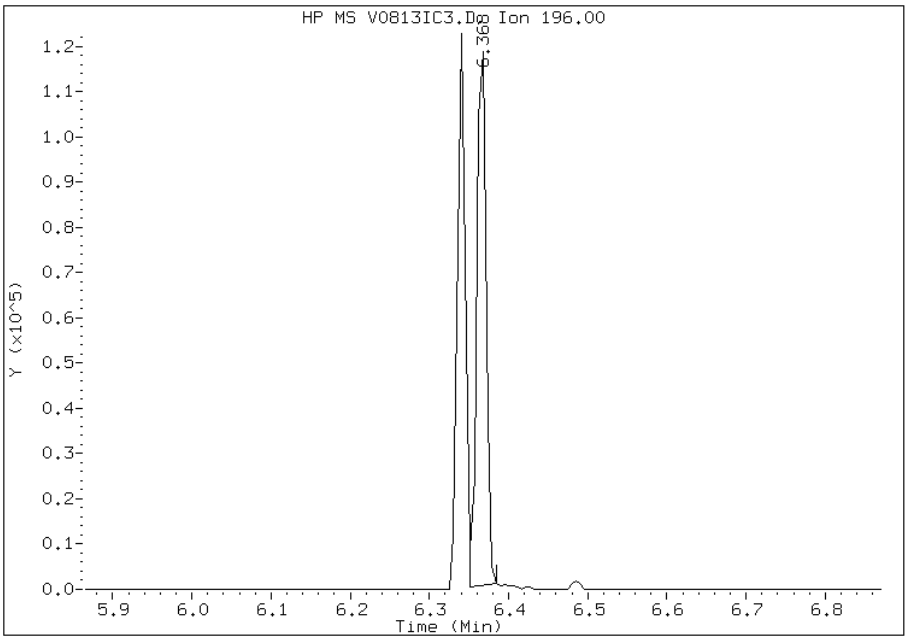
Processing Integration Results

RT: 6.37

Response: 94413

Amount: 4

Conc: 4



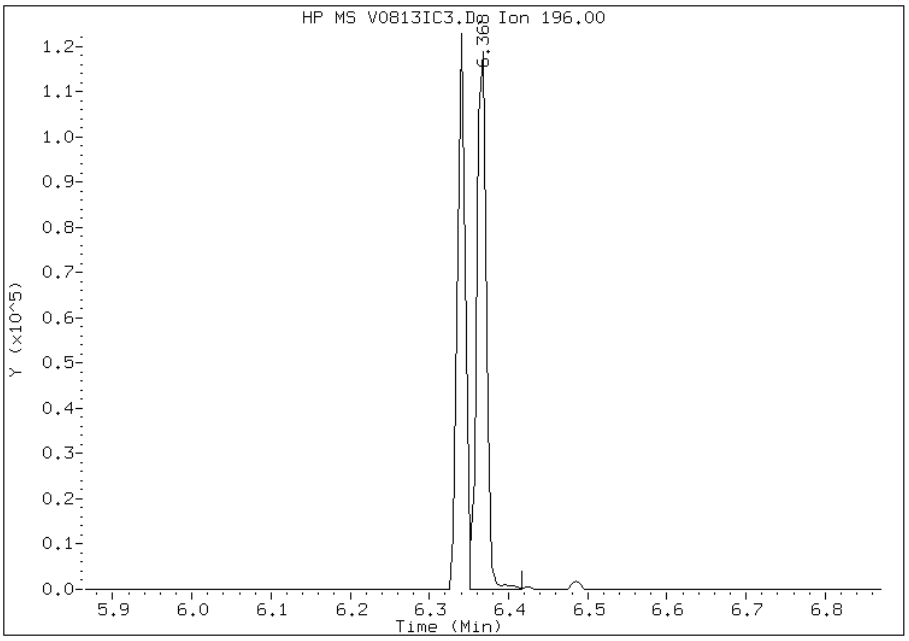
Manual Integration Results

RT: 6.37

Response: 97767

Amount: 4

Conc: 4



Manually Integrated By: piccolinov
Modification Date: 13-Aug-2012 11:47
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V0813IC3.D
Inj. Date and Time: 13-AUG-2012 10:39
Instrument ID: 731.i
Client ID:
Compound: 88 2,3,4,6-Tetrachlorophenol
CAS #: 58-90-2
Report Date: 08/13/2012

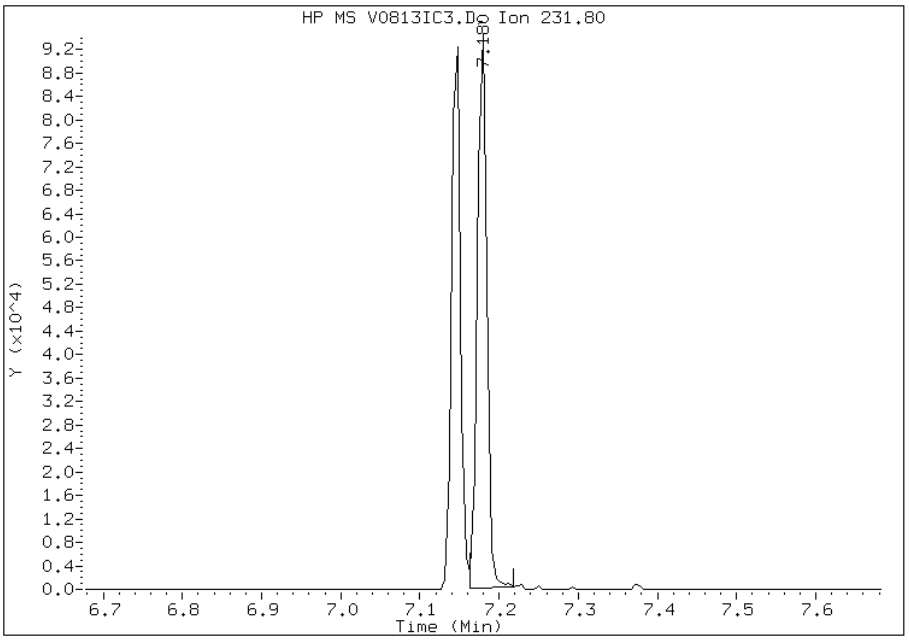
Processing Integration Results

RT: 7.18

Response: 76098

Amount: 4

Conc: 4



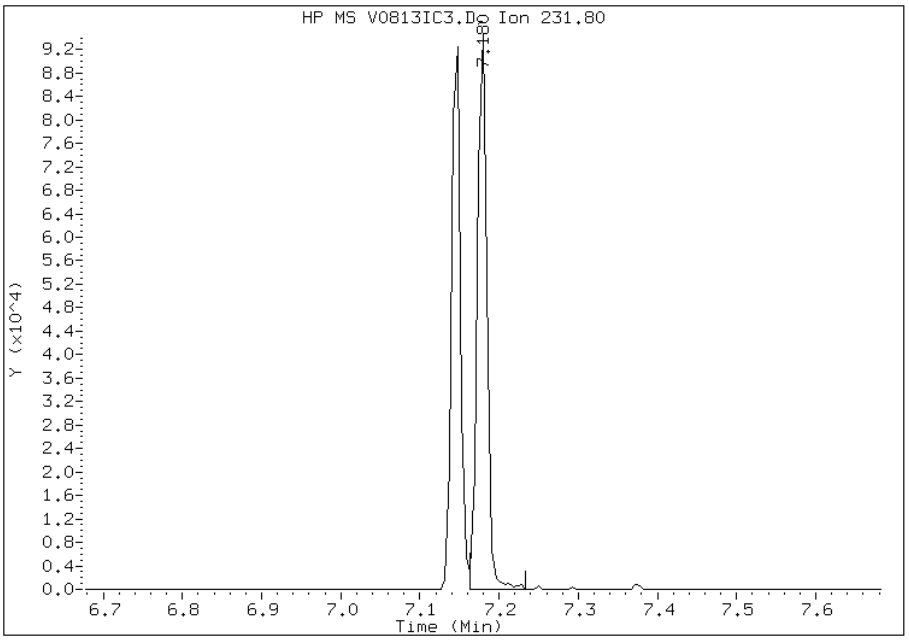
Manual Integration Results

RT: 7.18

Response: 77774

Amount: 4

Conc: 4



Manually Integrated By: piccolinov
Modification Date: 13-Aug-2012 11:48
Manual Integration Reason: Poor Chromatography

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV081312.b\V0813IC4.D
Lab Smp Id: IC 495230
Inj Date : 13-AUG-2012 11:02
Operator : 003200 Inst ID: 731.i
Smp Info : IC 495230
Misc Info : TV081312.b,T8270ll.m,padepi.sub
Comment :
Method : \\PITSVR06\D\chem\731.i\TV081312.b\T8270ll.m
Meth Date : 13-Aug-2012 11:42 piccolinov Quant Type: ISTD
Cal Date : 13-AUG-2012 11:02 Cal File: V0813IC4.D
Als bottle: 5 Calibration Sample, Level: 4
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	4.611	4.611	(1.000)	138756	8.00000	
* 2 Naphthalene-d8	136	5.583	5.583	(1.000)	666397	8.00000	
* 3 Acenaphthene-d10	164	6.929	6.929	(1.000)	417633	8.00000	
* 4 Phenanthrene-d10	188	8.072	8.072	(1.000)	729077	8.00000	
* 5 Chrysene-d12	240	10.156	10.156	(1.000)	653502	8.00000	
* 6 Perylene-d12	264	11.609	11.609	(1.000)	619035	8.00000	
198 1,4-Dioxane	88	1.480	1.480	(0.321)	43345	10.0000	8.2766(M)
10 N-Nitrosodimethylamine	74	1.972	1.972	(0.428)	60574	10.0000	10.401
9 Pyridine	79	2.009	2.009	(0.436)	109906	10.0000	11.049(M)
16 Methyl methanesulfonate	80	3.414	3.414	(0.740)	78619	10.0000	9.9630
206 Benzaldehyde	77	4.263	4.263	(0.925)	131471	10.0000	14.092
21 Aniline	93	4.349	4.349	(0.943)	286055	10.0000	10.101
22 Phenol	94	4.344	4.344	(0.942)	280861	10.0000	9.7554
23 bis(2-Chloroethyl)ether	93	4.408	4.408	(0.956)	190462	10.0000	9.8293
24 2-Chlorophenol	128	4.445	4.445	(0.964)	242609	10.0000	9.9342
26 1,3-Dichlorobenzene	146	4.563	4.563	(0.990)	281566	10.0000	9.7719
27 1,4-Dichlorobenzene	146	4.621	4.621	(1.002)	290495	10.0000	9.5723
28 1,2-Dichlorobenzene	146	4.739	4.739	(1.028)	283755	10.0000	9.7685
217 Indene	116	4.803	4.803	(1.042)	392961	10.0000	9.6561
29 Benzyl Alcohol	108	4.712	4.712	(1.022)	151308	10.0000	10.056(M)
30 2-Methylphenol	108	4.803	4.803	(1.042)	215260	10.0000	9.7724
31 2,2'-oxybis(1-Chloropropane)	45	4.819	4.819	(1.045)	312904	10.0000	9.6859
37 Acetophenone	105	4.910	4.910	(1.065)	298253	10.0000	8.4292
32 N-Nitroso-di-n-propylamine	70	4.915	4.915	(1.066)	147075	10.0000	9.5752
192 4-Methylphenol	108	4.915	4.915	(1.066)	216132	10.0000	9.7640
34 Hexachloroethane	117	5.001	5.001	(1.085)	119442	10.0000	10.121
35 Nitrobenzene	77	5.038	5.038	(0.902)	236711	10.0000	9.6204
36 N-Nitrosopyrrolidine	100	4.888	4.888	(1.060)	98551	10.0000	10.121

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
41 Isophorone	82	5.220	5.220	(0.935)	410618	10.0000	9.7739
42 2-Nitrophenol	139	5.284	5.284	(0.946)	153046	10.0000	10.235
43 2,4-Dimethylphenol	107	5.316	5.316	(0.952)	249608	10.0000	9.9046
44 bis(2-Chloroethoxy)methane	93	5.391	5.391	(0.966)	279810	10.0000	9.7586
48 2,4-Dichlorophenol	162	5.471	5.471	(0.980)	237056	10.0000	9.8821
49 Benzoic Acid	122	5.375	5.375	(0.963)	300201	20.0000	20.770(M)
50 1,2,4-Trichlorobenzene	180	5.540	5.540	(0.992)	280756	10.0000	9.5843
51 Naphthalene	128	5.599	5.599	(1.003)	820120	10.0000	9.4241
52 4-Chloroaniline	127	5.631	5.631	(1.009)	333790	10.0000	10.046
54 2,6-Dichlorophenol	162	5.642	5.642	(1.011)	224967	10.0000	9.9283
56 Hexachlorobutadiene	225	5.700	5.700	(1.021)	155097	10.0000	9.9711
208 Caprolactam	113	5.871	5.871	(1.052)	66555	10.0000	10.001
59 4-Chloro-3-Methylphenol	107	6.000	6.000	(1.075)	226522	10.0000	9.8302
62 2-Methylnaphthalene	142	6.128	6.128	(1.098)	585258	10.0000	9.5288
63 1-Methylnaphthalene	142	6.203	6.203	(1.111)	577457	10.0000	9.7833
64 Hexachlorocyclopentadiene	237	6.256	6.256	(0.903)	178530	10.0000	10.502
65 1,2,4,5-Tetrachlorobenzene	216	6.256	6.256	(0.903)	271055	10.0000	9.6384
66 2,4,6-Trichlorophenol	196	6.341	6.341	(0.915)	189421	10.0000	10.054
67 2,4,5-Trichlorophenol	196	6.363	6.363	(0.918)	210947	10.0000	10.308(M)
209 1,1'-Biphenyl	154	6.480	6.480	(0.935)	733718	10.0000	9.9536
70 2-Chloronaphthalene	162	6.496	6.496	(0.938)	594390	10.0000	9.8113
73 2-Nitroaniline	65	6.566	6.566	(0.948)	143772	10.0000	10.180
76 Dimethylphthalate	163	6.705	6.705	(0.968)	603935	10.0000	9.7599
78 2,6-Dinitrotoluene	165	6.753	6.753	(0.975)	143149	10.0000	10.796
79 Acenaphthylene	152	6.817	6.817	(0.984)	918721	10.0000	10.048
81 3-Nitroaniline	138	6.881	6.881	(0.993)	163790	10.0000	10.527
82 Acenaphthene	153	6.951	6.951	(1.003)	605459	10.0000	9.8190
83 2,4-Dinitrophenol	184	6.961	6.961	(1.005)	155581	20.0000	22.364
85 4-Nitrophenol	109	6.999	6.999	(1.010)	133363	20.0000	21.015
86 Dibenzofuran	168	7.084	7.084	(1.022)	868447	10.0000	9.8096
87 2,4-Dinitrotoluene	165	7.063	7.063	(1.019)	191343	10.0000	10.418
91 2,3,5,6-Tetrachlorophenol	232	7.143	7.143	(1.031)	159966	10.0000	10.249
88 2,3,4,6-Tetrachlorophenol	232	7.175	7.175	(1.035)	168721	10.0000	10.417
92 2-Naphthylamine	143	7.202	7.202	(1.039)	287071	10.0000	10.110
93 Diethylphthalate	149	7.244	7.244	(1.045)	649490	10.0000	10.066
94 Fluorene	166	7.351	7.351	(1.061)	699900	10.0000	9.7253
95 4-Chlorophenyl-phenylether	204	7.340	7.340	(1.059)	336746	10.0000	9.9174
96 4-Nitroaniline	138	7.346	7.346	(1.060)	163798	10.0000	10.380
98 4,6-Dinitro-2-methylphenol	198	7.378	7.378	(0.914)	225029	20.0000	22.915
99 N-Nitrosodiphenylamine (1)	169	7.431	7.431	(0.921)	463492	10.0000	10.129
100 1,2-Diphenylhydrazine	77	7.463	7.463	(0.925)	661241	10.0000	10.001
106 4-Bromophenyl-phenylether	248	7.720	7.720	(0.956)	195704	10.0000	10.198
107 Hexachlorobenzene	284	7.779	7.779	(0.964)	185844	10.0000	10.069
210 Atrazine	200	7.827	7.827	(0.970)	115263	10.0000	11.686
111 Pentachlorophenol	266	7.923	7.923	(0.981)	252998	20.0000	20.127
115 Phenanthrene	178	8.088	8.088	(1.002)	1047826	10.0000	9.9003
116 Anthracene	178	8.131	8.131	(1.007)	1083774	10.0000	10.194
119 Carbazole	167	8.243	8.243	(1.021)	901190	10.0000	9.8303
120 Di-n-Butylphthalate	149	8.494	8.494	(1.052)	1115972	10.0000	10.264
123 Fluoranthene	202	9.013	9.013	(1.116)	1041953	10.0000	9.7430
124 Benzidine	184	9.098	9.098	(0.896)	249436	10.0000	13.899
125 Pyrene	202	9.194	9.194	(0.905)	1090141	10.0000	9.9382
131 Butylbenzylphthalate	149	9.664	9.664	(0.952)	443889	10.0000	10.450
135 3,3'-Dichlorobenzidine	252	10.113	10.113	(0.996)	299573	10.0000	10.594

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
136 Benzo(a)Anthracene	228	10.150	10.150	(0.999)	899721	10.0000	9.8413
137 Chrysene	228	10.177	10.177	(1.002)	919182	10.0000	10.060
139 bis(2-ethylhexyl)Phthalate	149	10.118	10.118	(0.996)	626063	10.0000	10.250
140 Di-n-octylphthalate	149	10.679	10.679	(0.920)	1050492	10.0000	11.359
141 Benzo(b)fluoranthene	252	11.171	11.171	(0.962)	1010324	10.0000	10.179
142 Benzo(k)fluoranthene	252	11.203	11.203	(0.965)	987638	10.0000	10.185
143 7,12-dimethylbenz[a]anthracen	256	11.155	11.155	(0.961)	413894	10.0000	10.766
146 Benzo(a)pyrene	252	11.545	11.545	(0.994)	745632	10.0000	10.338
149 Indeno(1,2,3-cd)pyrene	276	13.067	13.067	(1.126)	848489	10.0000	10.616
150 Dibenz(a,h)anthracene	278	13.078	13.078	(1.127)	713581	10.0000	10.837
151 Benzo(g,h,i)perylene	276	13.505	13.505	(1.163)	714273	10.0000	10.667
$ 154 Nitrobenzene-d5	82	5.027	5.027	(0.900)	232316	10.0000	9.6522
$ 155 2-Fluorobiphenyl	172	6.406	6.406	(0.924)	645063	10.0000	10.039
$ 156 Terphenyl-d14	244	9.296	9.296	(0.915)	634193	10.0000	10.012
$ 157 Phenol-d5	99	4.333	4.333	(0.940)	234354	10.0000	9.9824
$ 158 2-Fluorophenol	112	3.585	3.585	(0.778)	162387	10.0000	9.8915
$ 159 2,4,6-Tribromophenol	330	7.533	7.533	(0.933)	75802	10.0000	10.669
$ 186 2-Chlorophenol-d4	132	4.434	4.434	(0.962)	237082	10.0000	9.9640
$ 187 1,2-Dichlorobenzene-d4	152	4.728	4.728	(1.025)	172349	10.0000	9.7099

QC Flag Legend

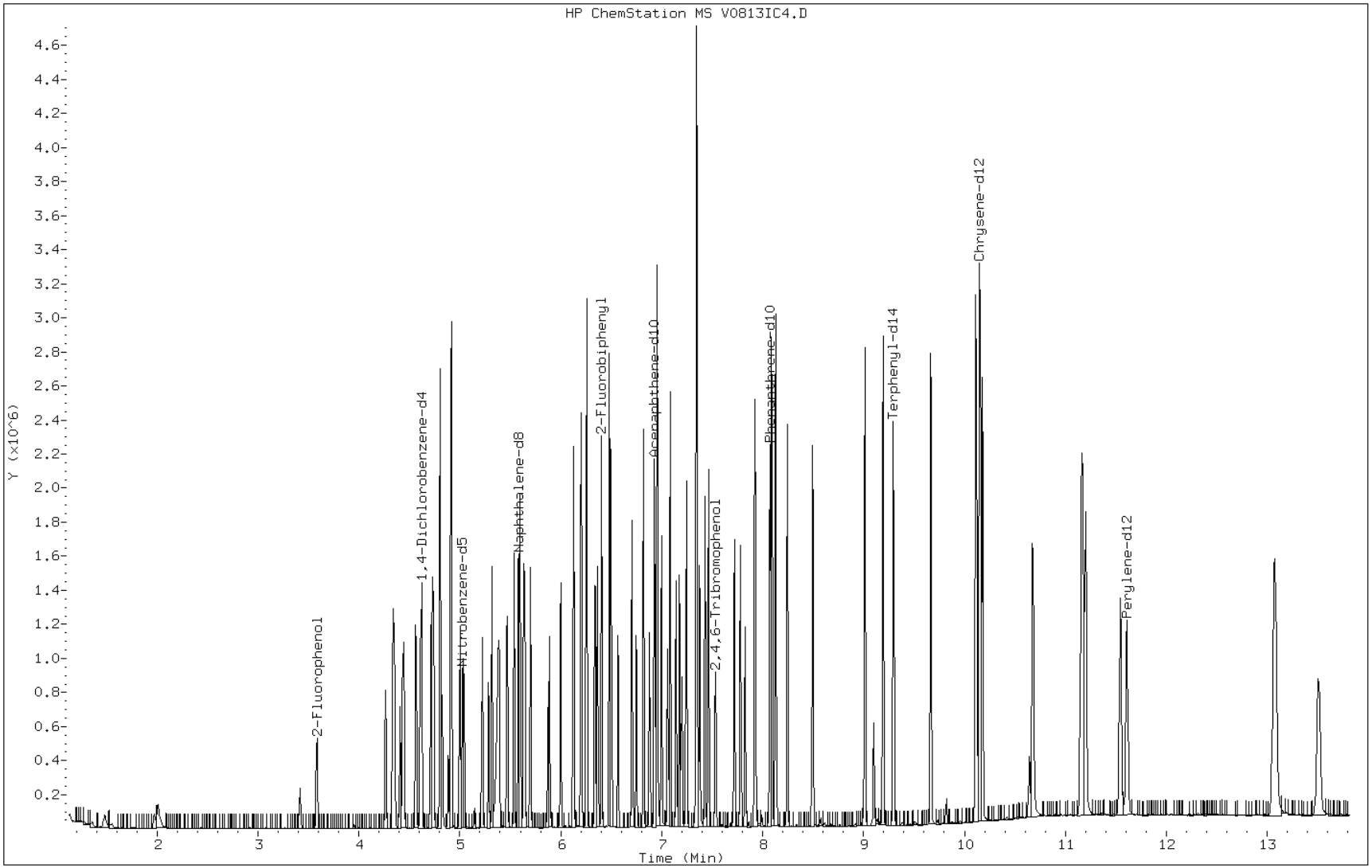
M - Compound response manually integrated.

Data File: V0813IC4.D

Date: 13-AUG-2012 11:02

Client ID: Instrument: 731.i

Sample Info: IC 495230 Operator: 003200



Manual Integration Report

Data File: V0813IC4.D
Inj. Date and Time: 13-AUG-2012 11:02
Instrument ID: 731.i
Client ID:
Compound: 198 1,4-Dioxane
CAS #: 123-91-1
Report Date: 08/13/2012

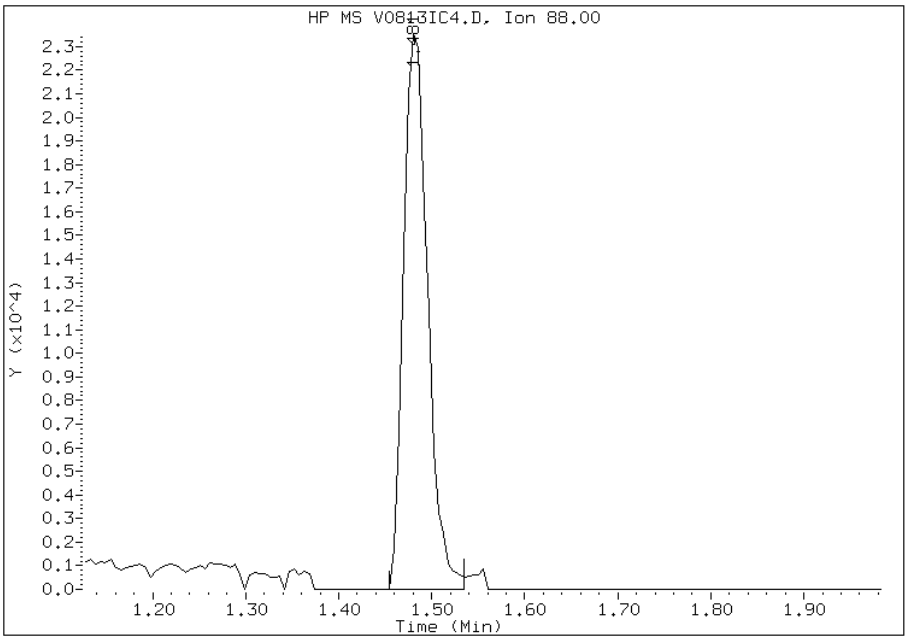
Processing Integration Results

RT: 1.48

Response: 42495

Amount: 8

Conc: 8



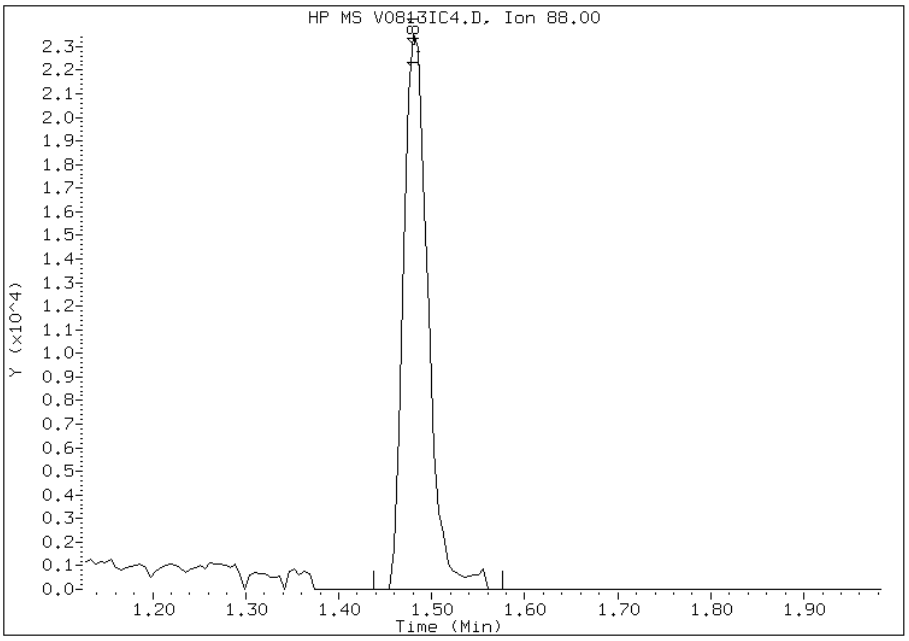
Manual Integration Results

RT: 1.48

Response: 43345

Amount: 8

Conc: 8



Manually Integrated By: piccolinov
Modification Date: 13-Aug-2012 11:48
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V0813IC4.D
Inj. Date and Time: 13-AUG-2012 11:02
Instrument ID: 731.i
Client ID:
Compound: 9 Pyridine
CAS #: 110-86-1
Report Date: 08/13/2012

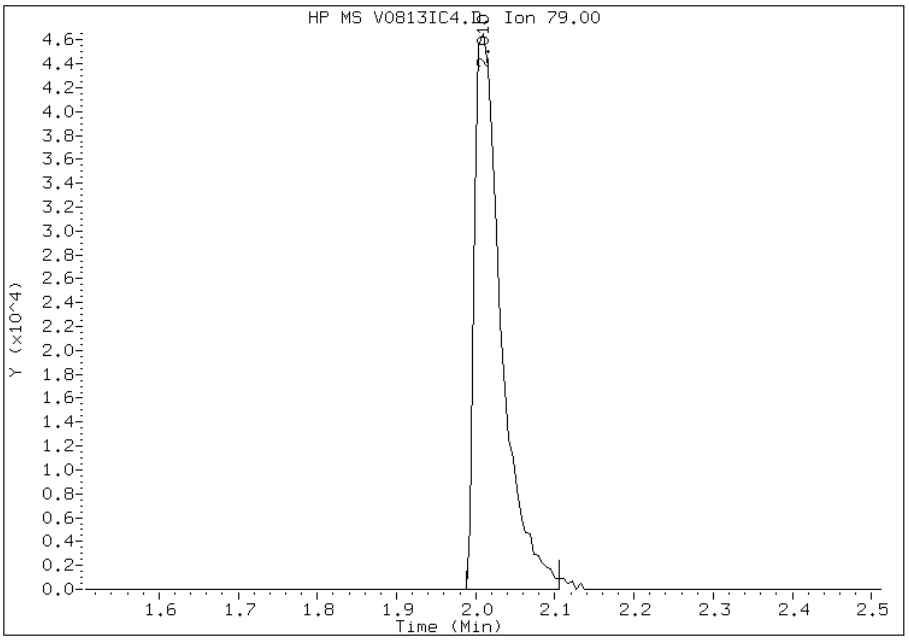
Processing Integration Results

RT: 2.01

Response: 109244

Amount: 11

Conc: 11



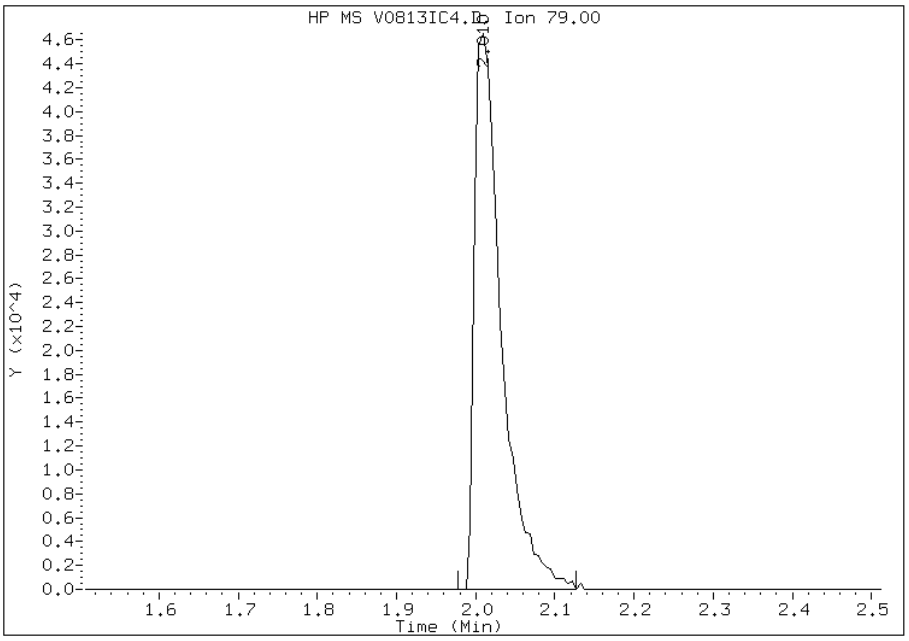
Manual Integration Results

RT: 2.01

Response: 109906

Amount: 11

Conc: 11



Manually Integrated By: piccolinov
Modification Date: 13-Aug-2012 11:48
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V0813IC4.D
Inj. Date and Time: 13-AUG-2012 11:02
Instrument ID: 731.i
Client ID:
Compound: 29 Benzyl Alcohol
CAS #: 100-51-6
Report Date: 08/13/2012

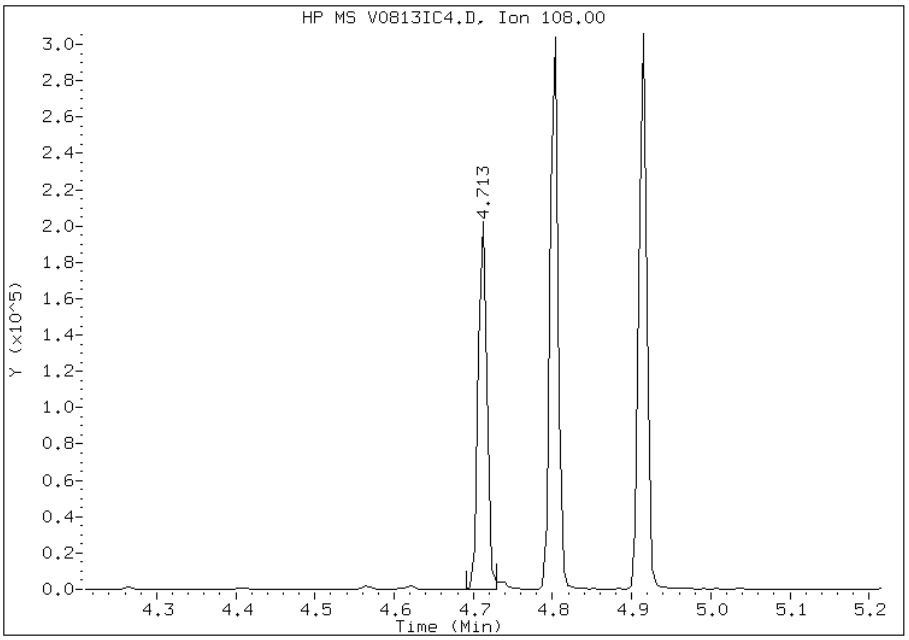
Processing Integration Results

RT: 4.71

Response: 148024

Amount: 10

Conc: 10



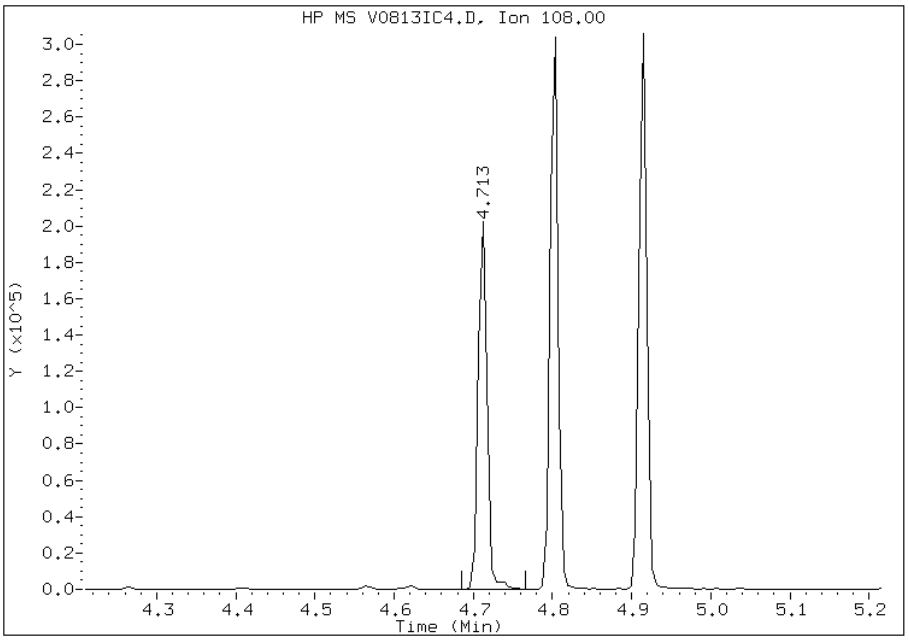
Manual Integration Results

RT: 4.71

Response: 151308

Amount: 10

Conc: 10



Manually Integrated By: piccolinov
Modification Date: 13-Aug-2012 11:48
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V0813IC4.D
Inj. Date and Time: 13-AUG-2012 11:02
Instrument ID: 731.i
Client ID:
Compound: 49 Benzoic Acid
CAS #: 65-85-0
Report Date: 08/13/2012

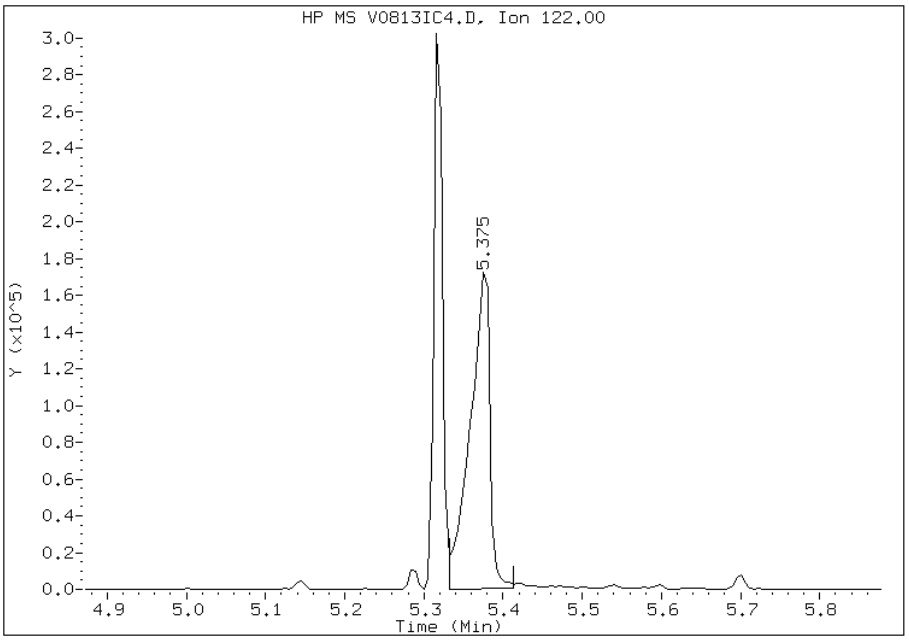
Processing Integration Results

RT: 5.38

Response: 295154

Amount: 21

Conc: 21



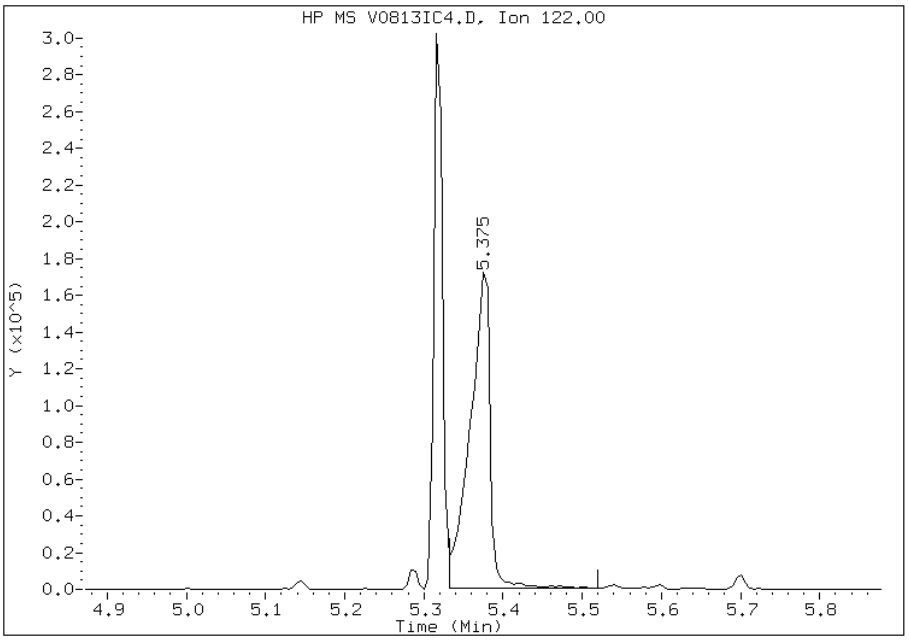
Manual Integration Results

RT: 5.38

Response: 300201

Amount: 21

Conc: 21



Manually Integrated By: piccolinov
Modification Date: 13-Aug-2012 11:49
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V0813IC4.D
Inj. Date and Time: 13-AUG-2012 11:02
Instrument ID: 731.i
Client ID:
Compound: 67 2,4,5-Trichlorophenol
CAS #: 95-95-4
Report Date: 08/13/2012

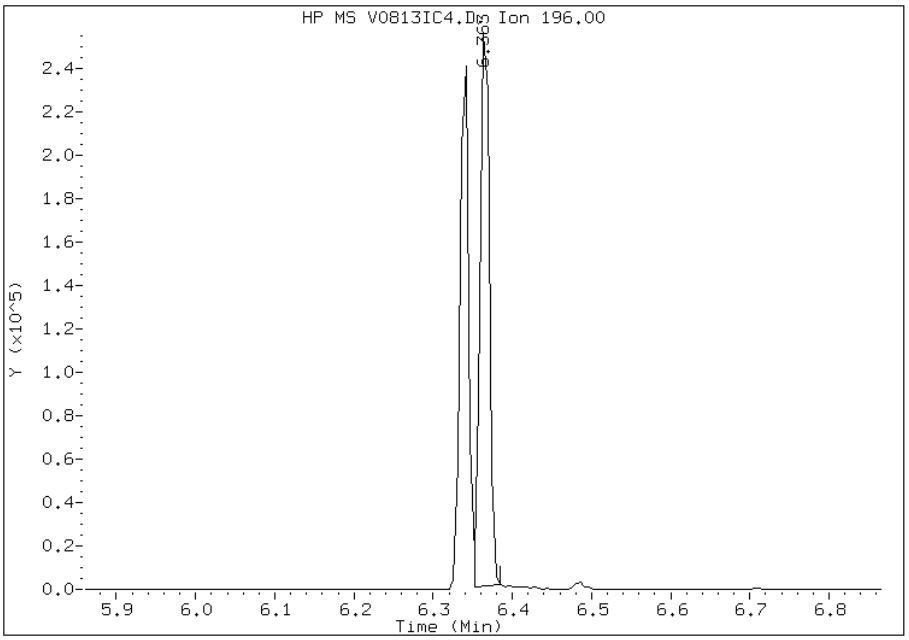
Processing Integration Results

RT: 6.36

Response: 204472

Amount: 10

Conc: 10



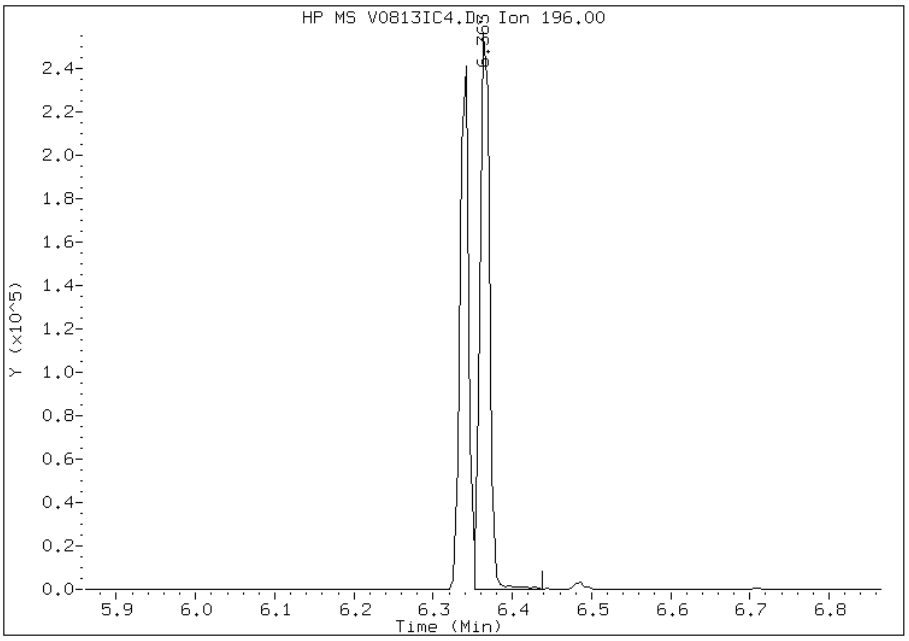
Manual Integration Results

RT: 6.36

Response: 210947

Amount: 10

Conc: 10



Manually Integrated By: piccolinov
Modification Date: 13-Aug-2012 11:49
Manual Integration Reason: Poor Chromatography

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV081312.b\V0813IC5.D
Lab Smp Id: IC 495231
Inj Date : 13-AUG-2012 11:25
Operator : 003200 Inst ID: 731.i
Smp Info : IC 495231
Misc Info : TV081312.b,T8270ll.m,padepi.sub
Comment :
Method : \\PITSVR06\D\chem\731.i\TV081312.b\T8270ll.m
Meth Date : 13-Aug-2012 11:49 piccolinov Quant Type: ISTD
Cal Date : 13-AUG-2012 11:25 Cal File: V0813IC5.D
Als bottle: 6 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	4.610	4.610	(1.000)	168086	8.00000	
* 2 Naphthalene-d8	136	5.582	5.582	(1.000)	791882	8.00000	
* 3 Acenaphthene-d10	164	6.928	6.928	(1.000)	504066	8.00000	
* 4 Phenanthrene-d10	188	8.072	8.072	(1.000)	832842	8.00000	
* 5 Chrysene-d12	240	10.155	10.155	(1.000)	733804	8.00000	
* 6 Perylene-d12	264	11.603	11.603	(1.000)	705961	8.00000	
198 1,4-Dioxane	88	1.490	1.490	(0.323)	98581	20.0000	16.265(M)
10 N-Nitrosodimethylamine	74	1.976	1.976	(0.429)	146751	20.0000	20.636
9 Pyridine	79	2.008	2.008	(0.436)	261326	20.0000	21.327(M)
16 Methyl methanesulfonate	80	3.413	3.413	(0.740)	181814	20.0000	19.208
206 Benzaldehyde	77	4.263	4.263	(0.925)	300137	20.0000	24.923
21 Aniline	93	4.353	4.353	(0.944)	654343	20.0000	19.252
22 Phenol	94	4.343	4.343	(0.942)	629631	20.0000	18.412
23 bis(2-Chloroethyl)ether	93	4.407	4.407	(0.956)	449549	20.0000	19.316
24 2-Chlorophenol	128	4.444	4.444	(0.964)	553715	20.0000	18.960
26 1,3-Dichlorobenzene	146	4.567	4.567	(0.991)	652730	20.0000	18.947
27 1,4-Dichlorobenzene	146	4.621	4.621	(1.002)	672493	20.0000	18.611
28 1,2-Dichlorobenzene	146	4.738	4.738	(1.028)	659964	20.0000	18.992
217 Indene	116	4.808	4.808	(1.043)	887931	20.0000	18.377
29 Benzyl Alcohol	108	4.711	4.711	(1.022)	343177	20.0000	19.051
30 2-Methylphenol	108	4.802	4.802	(1.042)	481713	20.0000	18.411
31 2,2'-oxybis(1-Chloropropane)	45	4.824	4.824	(1.046)	709047	20.0000	18.466
37 Acetophenone	105	4.914	4.914	(1.066)	666894	20.0000	16.282
32 N-Nitroso-di-n-propylamine	70	4.914	4.914	(1.066)	326524	20.0000	17.990
192 4-Methylphenol	108	4.914	4.914	(1.066)	468626	20.0000	17.929
34 Hexachloroethane	117	5.000	5.000	(1.085)	279226	20.0000	19.623
35 Nitrobenzene	77	5.043	5.043	(0.903)	559044	20.0000	19.290
36 N-Nitrosopyrrolidine	100	4.888	4.888	(1.060)	233269	20.0000	19.821

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
41 Isophorone	82	5.224	5.224	(0.936)	984474	20.0000	19.775
42 2-Nitrophenol	139	5.288	5.288	(0.947)	355764	20.0000	20.018
43 2,4-Dimethylphenol	107	5.320	5.320	(0.953)	573616	20.0000	19.318
44 bis(2-Chloroethoxy)methane	93	5.390	5.390	(0.966)	636242	20.0000	18.924
48 2,4-Dichlorophenol	162	5.470	5.470	(0.980)	550885	20.0000	19.457
49 Benzoic Acid	122	5.395	5.395	(0.967)	558489	30.0000	31.980(M)
50 1,2,4-Trichlorobenzene	180	5.539	5.539	(0.992)	642481	20.0000	18.746
51 Naphthalene	128	5.598	5.598	(1.003)	1907633	20.0000	18.738
52 4-Chloroaniline	127	5.630	5.630	(1.009)	769722	20.0000	19.593
54 2,6-Dichlorophenol	162	5.641	5.641	(1.011)	524926	20.0000	19.594
56 Hexachlorobutadiene	225	5.700	5.700	(1.021)	366391	20.0000	19.858
208 Caprolactam	113	5.881	5.881	(1.054)	159769	20.0000	20.162
59 4-Chloro-3-Methylphenol	107	5.999	5.999	(1.075)	520186	20.0000	19.189
62 2-Methylnaphthalene	142	6.127	6.127	(1.098)	1383866	20.0000	19.160
63 1-Methylnaphthalene	142	6.202	6.202	(1.111)	1328183	20.0000	19.140
64 Hexachlorocyclopentadiene	237	6.255	6.255	(0.903)	424627	20.0000	20.552
65 1,2,4,5-Tetrachlorobenzene	216	6.255	6.255	(0.903)	622195	20.0000	18.642
66 2,4,6-Trichlorophenol	196	6.341	6.341	(0.915)	449897	20.0000	19.827
67 2,4,5-Trichlorophenol	196	6.367	6.367	(0.919)	488972	20.0000	19.836
209 1,1'-Biphenyl	154	6.480	6.480	(0.935)	1702602	20.0000	19.304
70 2-Chloronaphthalene	162	6.501	6.501	(0.938)	1388349	20.0000	19.181
73 2-Nitroaniline	65	6.570	6.570	(0.948)	333534	20.0000	19.652
76 Dimethylphthalate	163	6.709	6.709	(0.968)	1402411	20.0000	19.010
78 2,6-Dinitrotoluene	165	6.752	6.752	(0.975)	327701	20.0000	20.379
79 Acenaphthylene	152	6.822	6.822	(0.985)	2126992	20.0000	19.415
81 3-Nitroaniline	138	6.880	6.880	(0.993)	375706	20.0000	20.005
82 Acenaphthene	153	6.955	6.955	(1.004)	1394514	20.0000	18.977
83 2,4-Dinitrophenol	184	6.960	6.960	(1.005)	287465	30.0000	33.296
85 4-Nitrophenol	109	6.998	6.998	(1.010)	228169	30.0000	29.831
86 Dibenzofuran	168	7.083	7.083	(1.022)	1995980	20.0000	18.930
87 2,4-Dinitrotoluene	165	7.062	7.062	(1.019)	435766	20.0000	19.726
91 2,3,5,6-Tetrachlorophenol	232	7.147	7.147	(1.032)	380818	20.0000	20.172
88 2,3,4,6-Tetrachlorophenol	232	7.179	7.179	(1.036)	382169	20.0000	19.639(M)
92 2-Naphthylamine	143	7.201	7.201	(1.039)	547569	20.0000	16.646
93 Diethylphthalate	149	7.249	7.249	(1.046)	1450117	20.0000	18.882
94 Fluorene	166	7.350	7.350	(1.061)	1551182	20.0000	18.249
95 4-Chlorophenyl-phenylether	204	7.345	7.345	(1.060)	736121	20.0000	18.336
96 4-Nitroaniline	138	7.350	7.350	(1.061)	365562	20.0000	19.350
98 4,6-Dinitro-2-methylphenol	198	7.377	7.377	(0.914)	405661	30.0000	34.735
99 N-Nitrosodiphenylamine (1)	169	7.431	7.431	(0.921)	1061116	20.0000	20.240
100 1,2-Diphenylhydrazine	77	7.463	7.463	(0.925)	1523474	20.0000	20.136
106 4-Bromophenyl-phenylether	248	7.719	7.719	(0.956)	455362	20.0000	20.614
107 Hexachlorobenzene	284	7.783	7.783	(0.964)	447911	20.0000	20.983
210 Atrazine	200	7.831	7.831	(0.970)	259467	20.0000	22.351
111 Pentachlorophenol	266	7.922	7.922	(0.981)	446465	30.0000	30.868
115 Phenanthrene	178	8.093	8.093	(1.003)	2380379	20.0000	19.750
116 Anthracene	178	8.130	8.130	(1.007)	2426696	20.0000	19.984
119 Carbazole	167	8.248	8.248	(1.022)	2064280	20.0000	19.769
120 Di-n-Butylphthalate	149	8.494	8.494	(1.052)	2531537	20.0000	20.304
123 Fluoranthene	202	9.012	9.012	(1.116)	2368163	20.0000	19.505
124 Benzidine	184	9.097	9.097	(0.896)	563963	20.0000	25.916
125 Pyrene	202	9.193	9.193	(0.905)	2388904	20.0000	19.513
131 Butylbenzylphthalate	149	9.664	9.664	(0.952)	1000003	20.0000	20.765
135 3,3'-Dichlorobenzidine	252	10.107	10.107	(0.995)	683774	20.0000	21.210

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
136 Benzo(a)Anthracene	228	10.144	10.144	(0.999)	2048599	20.0000	19.964
137 Chrysene	228	10.176	10.176	(1.002)	1975004	20.0000	19.396
139 bis(2-ethylhexyl)Phthalate	149	10.112	10.112	(0.996)	1430645	20.0000	20.682
140 Di-n-octylphthalate	149	10.673	10.673	(0.920)	2513980	20.0000	22.956
141 Benzo(b)fluoranthene	252	11.170	11.170	(0.963)	2396306	20.0000	20.925
142 Benzo(k)fluoranthene	252	11.197	11.197	(0.965)	2204620	20.0000	19.949
143 7,12-dimethylbenz[a]anthracen	256	11.154	11.154	(0.961)	954240	20.0000	21.387
146 Benzo(a)pyrene	252	11.539	11.539	(0.994)	1731680	20.0000	20.833
149 Indeno(1,2,3-cd)pyrene	276	13.066	13.066	(1.126)	2060125	20.0000	22.030
150 Dibenz(a,h)anthracene	278	13.077	13.077	(1.127)	1722565	20.0000	22.284
151 Benzo(g,h,i)perylene	276	13.510	13.510	(1.164)	1748097	20.0000	22.248
$ 154 Nitrobenzene-d5	82	5.027	5.027	(0.900)	556328	20.0000	19.559
$ 155 2-Fluorobiphenyl	172	6.405	6.405	(0.924)	1513008	20.0000	19.606
$ 156 Terphenyl-d14	244	9.295	9.295	(0.915)	1400648	20.0000	19.754
$ 157 Phenol-d5	99	4.332	4.332	(0.940)	549500	20.0000	19.454
$ 158 2-Fluorophenol	112	3.584	3.584	(0.778)	390211	20.0000	19.696
$ 159 2,4,6-Tribromophenol	330	7.532	7.532	(0.933)	189253	20.0000	22.569
$ 186 2-Chlorophenol-d4	132	4.434	4.434	(0.962)	543409	20.0000	19.072
$ 187 1,2-Dichlorobenzene-d4	152	4.727	4.727	(1.025)	398524	20.0000	18.810

QC Flag Legend

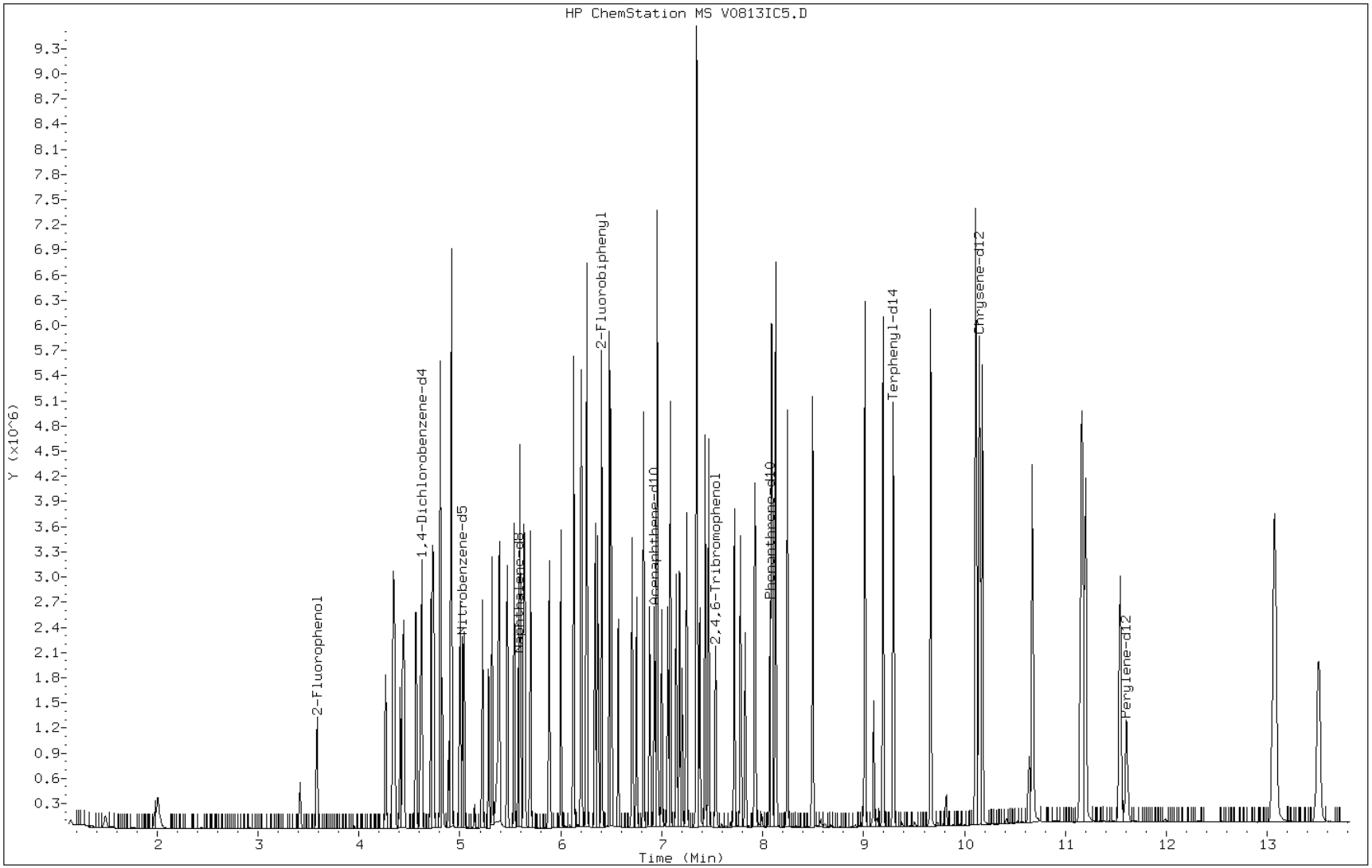
M - Compound response manually integrated.

Data File: V0813IC5.D

Date: 13-AUG-2012 11:25

Client ID: Instrument: 731.i

Sample Info: IC 495231 Operator: 003200



Manual Integration Report

Data File: V0813IC5.D
Inj. Date and Time: 13-AUG-2012 11:25
Instrument ID: 731.i
Client ID:
Compound: 198 1,4-Dioxane
CAS #: 123-91-1
Report Date: 08/13/2012

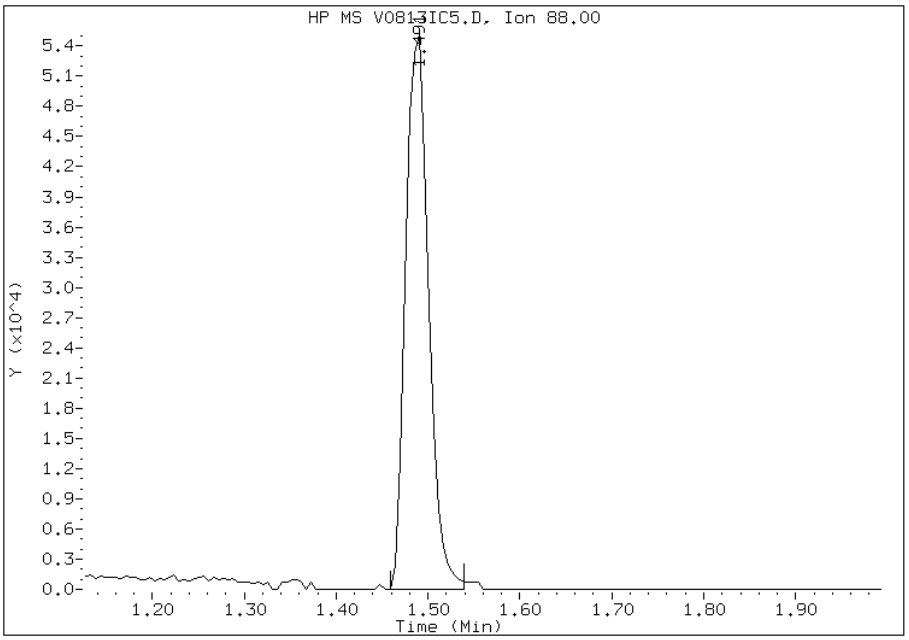
Processing Integration Results

RT: 1.49

Response: 97918

Amount: 16

Conc: 16



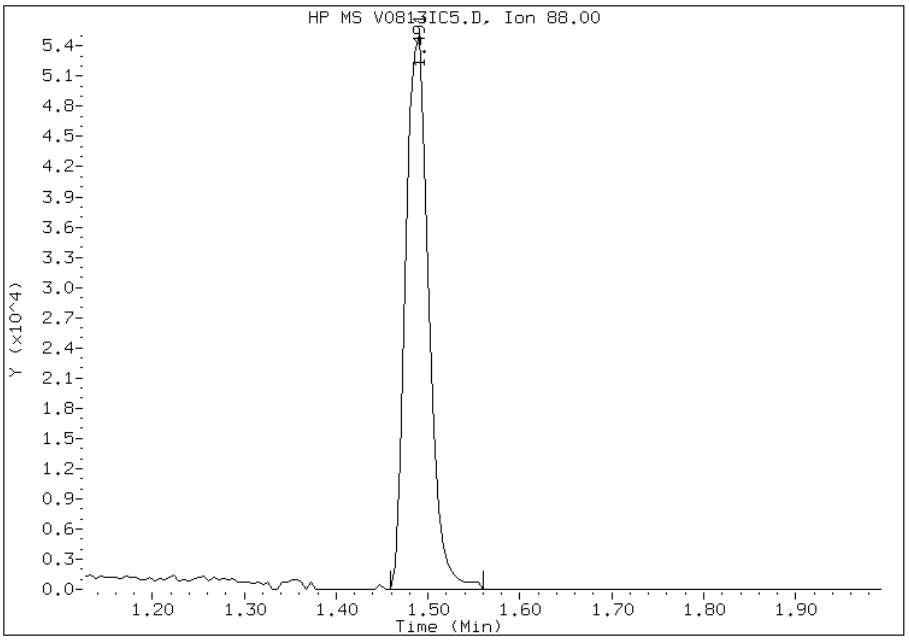
Manual Integration Results

RT: 1.49

Response: 98581

Amount: 16

Conc: 16



Manually Integrated By: piccolinov
Modification Date: 13-Aug-2012 11:50
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V0813IC5.D
Inj. Date and Time: 13-AUG-2012 11:25
Instrument ID: 731.i
Client ID:
Compound: 9 Pyridine
CAS #: 110-86-1
Report Date: 08/13/2012

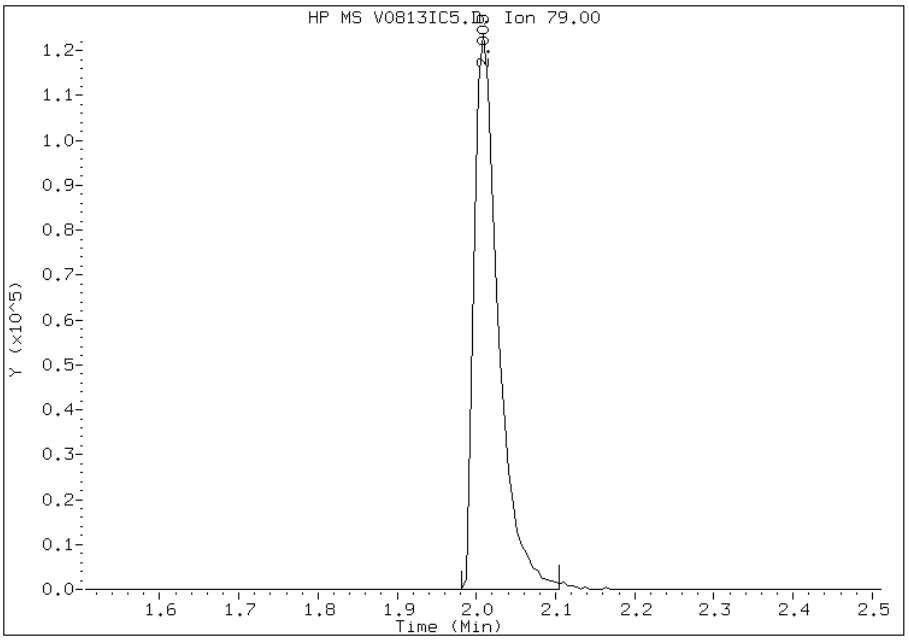
Processing Integration Results

RT: 2.01

Response: 260134

Amount: 21

Conc: 21



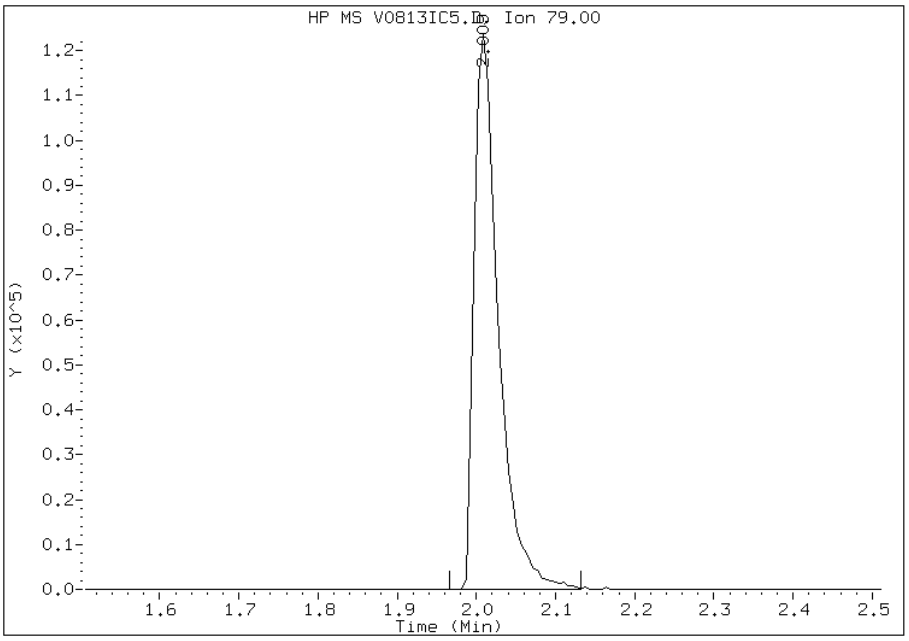
Manual Integration Results

RT: 2.01

Response: 261326

Amount: 21

Conc: 21



Manually Integrated By: piccolinov
Modification Date: 13-Aug-2012 11:50
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V0813IC5.D
Inj. Date and Time: 13-AUG-2012 11:25
Instrument ID: 731.i
Client ID:
Compound: 49 Benzoic Acid
CAS #: 65-85-0
Report Date: 08/13/2012

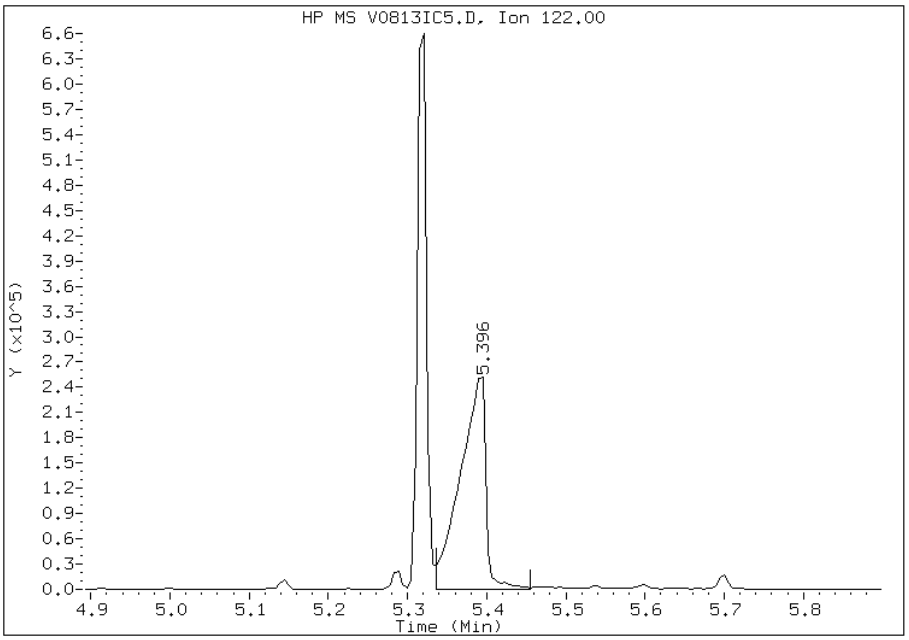
Processing Integration Results

RT: 5.40

Response: 559768

Amount: 32

Conc: 32



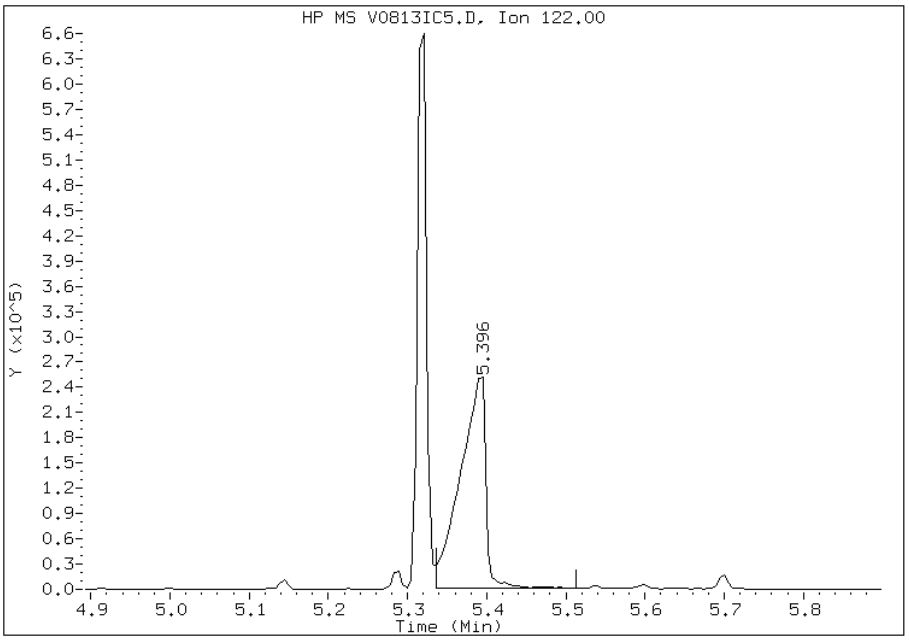
Manual Integration Results

RT: 5.40

Response: 558489

Amount: 32

Conc: 32



Manually Integrated By: piccolinov
Modification Date: 13-Aug-2012 11:50
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V0813IC5.D
Inj. Date and Time: 13-AUG-2012 11:25
Instrument ID: 731.i
Client ID:
Compound: 88 2,3,4,6-Tetrachlorophenol
CAS #: 58-90-2
Report Date: 08/13/2012

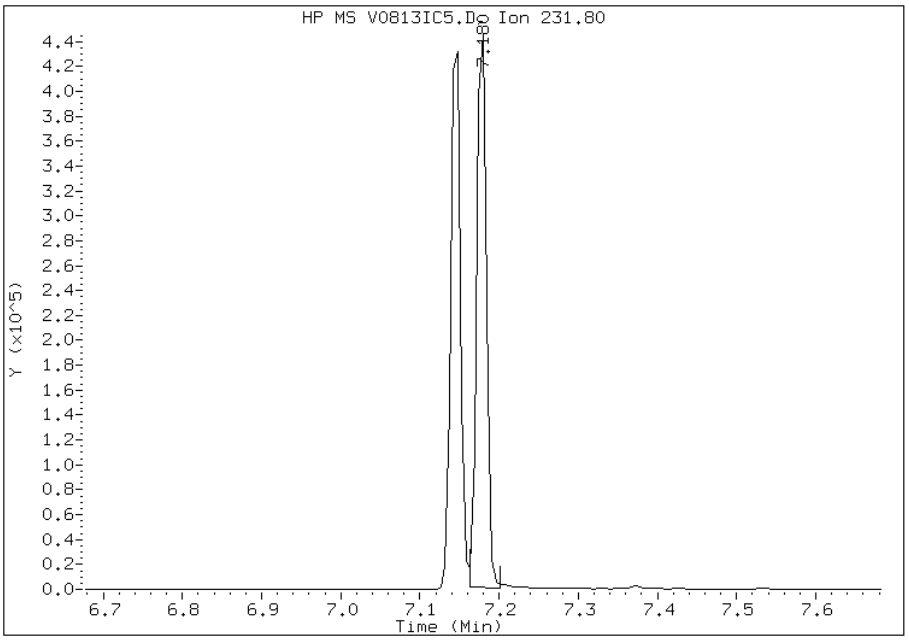
Processing Integration Results

RT: 7.18

Response: 369807

Amount: 19

Conc: 19



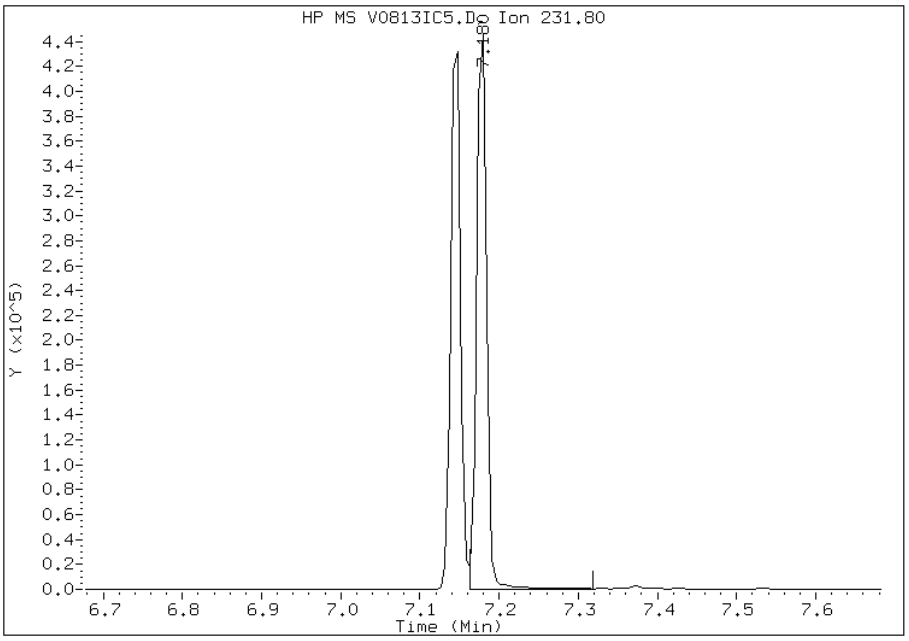
Manual Integration Results

RT: 7.18

Response: 382169

Amount: 20

Conc: 20



Manually Integrated By: piccolinov
Modification Date: 13-Aug-2012 11:51
Manual Integration Reason: Poor Chromatography

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV081312.b\V0813IC6.D
Lab Smp Id: IC 495232
Inj Date : 13-AUG-2012 11:48
Operator : 003200 Inst ID: 731.i
Smp Info : IC 495232
Misc Info : TV081312.b,T8270ll.m,padepi.sub
Comment :
Method : \\PITSVR06\D\chem\731.i\TV081312.b\T8270ll.m
Meth Date : 13-Aug-2012 12:34 piccolinov Quant Type: ISTD
Cal Date : 13-AUG-2012 11:48 Cal File: V0813IC6.D
Als bottle: 7 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	4.599	4.599	(1.000)	151967	8.00000	
* 2 Naphthalene-d8	136	5.572	5.572	(1.000)	693845	8.00000	
* 3 Acenaphthene-d10	164	6.918	6.918	(1.000)	461109	8.00000	
* 4 Phenanthrene-d10	188	8.066	8.066	(1.000)	775463	8.00000	
* 5 Chrysene-d12	240	10.144	10.144	(1.000)	737800	8.00000	
* 6 Perylene-d12	264	11.587	11.587	(1.000)	728636	8.00000	
198 1,4-Dioxane	88	1.479	1.479	(0.322)	174117	40.0000	33.559
10 N-Nitrosodimethylamine	74	1.971	1.971	(0.429)	248703	40.0000	38.793
9 Pyridine	79	1.998	1.998	(0.434)	460411	40.0000	41.175
16 Methyl methanesulfonate	80	3.413	3.413	(0.742)	313208	40.0000	37.663
206 Benzaldehyde	77	4.257	4.257	(0.926)	474031	40.0000	44.405
21 Aniline	93	4.348	4.348	(0.945)	1087610	40.0000	37.146
22 Phenol	94	4.343	4.343	(0.944)	1061758	40.0000	36.157
23 bis(2-Chloroethyl)ether	93	4.402	4.402	(0.957)	772432	40.0000	37.749
24 2-Chlorophenol	128	4.439	4.439	(0.965)	962073	40.0000	37.474
26 1,3-Dichlorobenzene	146	4.557	4.557	(0.991)	1143268	40.0000	37.687
27 1,4-Dichlorobenzene	146	4.615	4.615	(1.003)	1170301	40.0000	37.001
28 1,2-Dichlorobenzene	146	4.733	4.733	(1.029)	1128901	40.0000	37.174
217 Indene	116	4.797	4.797	(1.043)	1511123	40.0000	36.114
29 Benzyl Alcohol	108	4.706	4.706	(1.023)	600223	40.0000	37.899(M)
30 2-Methylphenol	108	4.802	4.802	(1.044)	812569	40.0000	35.986
31 2,2'-oxybis(1-Chloropropane)	45	4.813	4.813	(1.046)	1223823	40.0000	36.796
37 Acetophenone	105	4.909	4.909	(1.067)	1116283	40.0000	32.705
32 N-Nitroso-di-n-propylamine	70	4.914	4.914	(1.069)	559699	40.0000	35.921
192 4-Methylphenol	108	4.909	4.909	(1.067)	776881	40.0000	34.903
34 Hexachloroethane	117	4.995	4.995	(1.086)	495978	40.0000	39.227
35 Nitrobenzene	77	5.037	5.037	(0.904)	952917	40.0000	38.108
36 N-Nitrosopyrrolidine	100	4.888	4.888	(1.063)	417957	40.0000	39.692

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
41 Isophorone	82	5.219	5.219	(0.937)	1712964	40.0000	39.610
42 2-Nitrophenol	139	5.278	5.278	(0.947)	633655	40.0000	40.296
43 2,4-Dimethylphenol	107	5.315	5.315	(0.954)	997331	40.0000	38.816
44 bis(2-Chloroethoxy)methane	93	5.385	5.385	(0.966)	1129516	40.0000	38.789
48 2,4-Dichlorophenol	162	5.465	5.465	(0.981)	970380	40.0000	39.459
49 Benzoic Acid	122	5.390	5.390	(0.967)	687501	40.0000	43.245(M)
50 1,2,4-Trichlorobenzene	180	5.529	5.529	(0.992)	1132229	40.0000	38.291
51 Naphthalene	128	5.588	5.588	(1.003)	3363339	40.0000	38.346
52 4-Chloroaniline	127	5.625	5.625	(1.010)	1327851	40.0000	39.121
54 2,6-Dichlorophenol	162	5.636	5.636	(1.012)	933206	40.0000	39.900
56 Hexachlorobutadiene	225	5.694	5.694	(1.022)	640612	40.0000	39.681
208 Caprolactam	113	5.887	5.887	(1.057)	289693	40.0000	41.565
59 4-Chloro-3-Methylphenol	107	5.994	5.994	(1.076)	911344	40.0000	38.836
62 2-Methylnaphthalene	142	6.116	6.116	(1.098)	2424270	40.0000	38.883
63 1-Methylnaphthalene	142	6.197	6.197	(1.112)	2328057	40.0000	38.839
64 Hexachlorocyclopentadiene	237	6.250	6.250	(0.903)	744305	40.0000	39.444
65 1,2,4,5-Tetrachlorobenzene	216	6.250	6.250	(0.903)	1080642	40.0000	36.523
66 2,4,6-Trichlorophenol	196	6.335	6.335	(0.916)	844871	40.0000	40.285
67 2,4,5-Trichlorophenol	196	6.362	6.362	(0.920)	839750	40.0000	37.667
209 1,1'-Biphenyl	154	6.474	6.474	(0.936)	3023127	40.0000	38.107
70 2-Chloronaphthalene	162	6.490	6.490	(0.938)	2504309	40.0000	38.287
73 2-Nitroaniline	65	6.560	6.560	(0.948)	602546	40.0000	39.206
76 Dimethylphthalate	163	6.699	6.699	(0.968)	2577917	40.0000	38.705
78 2,6-Dinitrotoluene	165	6.747	6.747	(0.975)	617203	40.0000	41.426
79 Acenaphthylene	152	6.811	6.811	(0.985)	3849359	40.0000	38.849
81 3-Nitroaniline	138	6.875	6.875	(0.994)	705850	40.0000	40.709
82 Acenaphthene	153	6.944	6.944	(1.004)	2487389	40.0000	37.786
83 2,4-Dinitrophenol	184	6.955	6.955	(1.005)	364265	40.0000	44.022
85 4-Nitrophenol	109	6.993	6.993	(1.011)	278936	40.0000	39.835
86 Dibenzofuran	168	7.078	7.078	(1.023)	3679086	40.0000	38.693
87 2,4-Dinitrotoluene	165	7.057	7.057	(1.020)	825859	40.0000	40.684
91 2,3,5,6-Tetrachlorophenol	232	7.137	7.137	(1.032)	752157	40.0000	42.400
88 2,3,4,6-Tetrachlorophenol	232	7.169	7.169	(1.036)	676911	40.0000	38.489
92 2-Naphthylamine	143	7.196	7.196	(1.040)	877945	40.0000	32.472
93 Diethylphthalate	149	7.238	7.238	(1.046)	2690436	40.0000	38.852
94 Fluorene	166	7.340	7.340	(1.061)	2784076	40.0000	37.045
95 4-Chlorophenyl-phenylether	204	7.334	7.334	(1.060)	1375193	40.0000	38.236
96 4-Nitroaniline	138	7.345	7.345	(1.062)	654785	40.0000	38.582
98 4,6-Dinitro-2-methylphenol	198	7.372	7.372	(0.914)	523877	40.0000	45.316
99 N-Nitrosodiphenylamine (1)	169	7.425	7.425	(0.921)	1962422	40.0000	39.959
100 1,2-Diphenylhydrazine	77	7.457	7.457	(0.925)	2678031	40.0000	38.232
106 4-Bromophenyl-phenylether	248	7.714	7.714	(0.956)	849088	40.0000	40.568
107 Hexachlorobenzene	284	7.772	7.772	(0.964)	849919	40.0000	41.665
210 Atrazine	200	7.821	7.821	(0.970)	447781	40.0000	43.898
111 Pentachlorophenol	266	7.917	7.917	(0.981)	572953	40.0000	41.341
115 Phenanthrene	178	8.082	8.082	(1.002)	4507357	40.0000	39.885
116 Anthracene	178	8.125	8.125	(1.007)	4534261	40.0000	39.992
119 Carbazole	167	8.237	8.237	(1.021)	3867871	40.0000	39.882
120 Di-n-Butylphthalate	149	8.488	8.488	(1.052)	4756507	40.0000	40.688
123 Fluoranthene	202	9.007	9.007	(1.117)	4498830	40.0000	39.928
124 Benzidine	184	9.092	9.092	(0.896)	1161671	40.0000	48.607
125 Pyrene	202	9.183	9.183	(0.905)	4601740	40.0000	37.825
131 Butylbenzylphthalate	149	9.658	9.658	(0.952)	1945467	40.0000	39.907
135 3,3'-Dichlorobenzidine	252	10.102	10.102	(0.996)	1407898	40.0000	42.135

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
136 Benzo(a)Anthracene	228	10.139	10.139	(0.999)	4443329	40.0000	42.160
137 Chrysene	228	10.166	10.166	(1.002)	3899101	40.0000	38.365
139 bis(2-ethylhexyl)Phthalate	149	10.107	10.107	(0.996)	2826357	40.0000	40.216
140 Di-n-octylphthalate	149	10.663	10.663	(0.920)	5329617	40.0000	44.613
141 Benzo(b)fluoranthene	252	11.159	11.159	(0.963)	4735485	40.0000	38.944
142 Benzo(k)fluoranthene	252	11.186	11.186	(0.965)	5169641	40.0000	44.356
143 7,12-dimethylbenz[a]anthracen	256	11.143	11.143	(0.962)	2021719	40.0000	42.284
146 Benzo(a)pyrene	252	11.523	11.523	(0.994)	3719594	40.0000	42.065
149 Indeno(1,2,3-cd)pyrene	276	13.051	13.051	(1.126)	4425176	40.0000	43.545
150 Dibenz(a,h)anthracene	278	13.056	13.056	(1.127)	3733458	40.0000	44.159
151 Benzo(g,h,i)perylene	276	13.489	13.489	(1.164)	3733276	40.0000	43.634
$ 154 Nitrobenzene-d5	82	5.021	5.021	(0.901)	963812	40.0000	39.044
$ 155 2-Fluorobiphenyl	172	6.400	6.400	(0.925)	2701282	40.0000	38.628
$ 156 Terphenyl-d14	244	9.284	9.284	(0.915)	2740283	40.0000	38.571
$ 157 Phenol-d5	99	4.332	4.332	(0.942)	938801	40.0000	37.843
$ 158 2-Fluorophenol	112	3.579	3.579	(0.778)	678737	40.0000	38.437
$ 159 2,4,6-Tribromophenol	330	7.527	7.527	(0.933)	357043	40.0000	43.292
$ 186 2-Chlorophenol-d4	132	4.428	4.428	(0.963)	944744	40.0000	37.673
$ 187 1,2-Dichlorobenzene-d4	152	4.722	4.722	(1.027)	672292	40.0000	36.506

QC Flag Legend

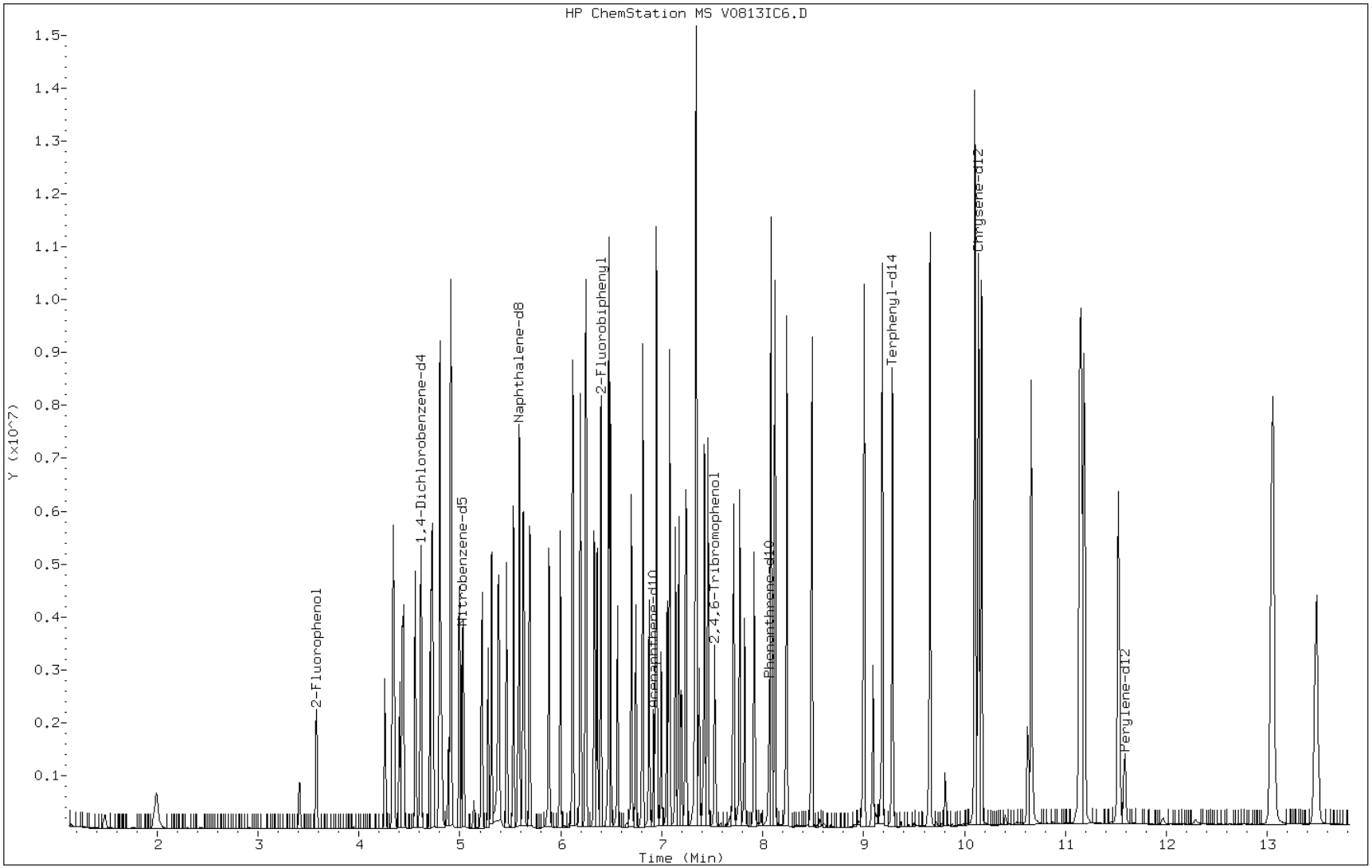
M - Compound response manually integrated.

Data File: V0813IC6.D

Date: 13-AUG-2012 11:48

Client ID: Instrument: 731.i

Sample Info: IC 495232 Operator: 003200



Manual Integration Report

Data File: V0813IC6.D
Inj. Date and Time: 13-AUG-2012 11:48
Instrument ID: 731.i
Client ID:
Compound: 29 Benzyl Alcohol
CAS #: 100-51-6
Report Date: 08/13/2012

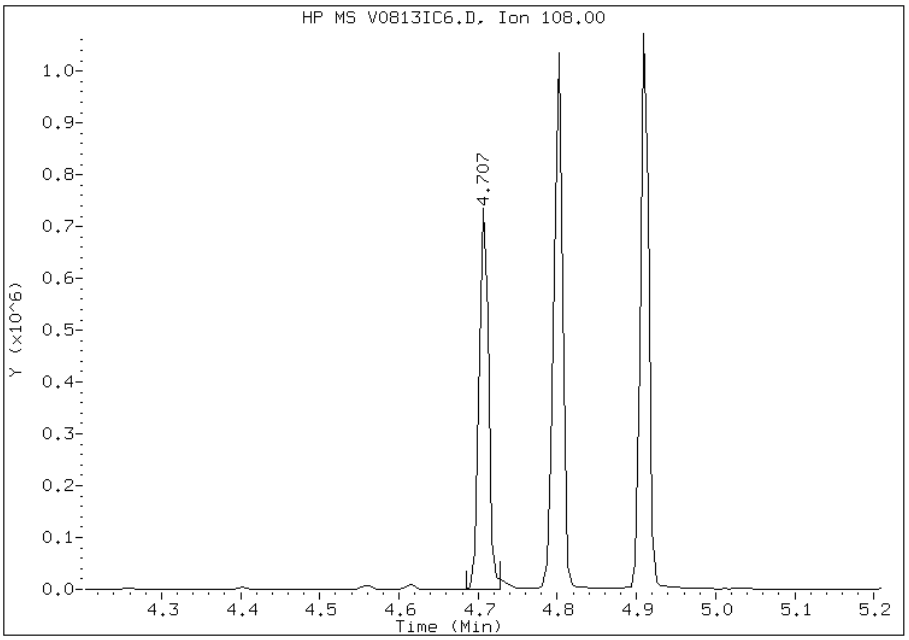
Processing Integration Results

RT: 4.71

Response: 589444

Amount: 37

Conc: 37



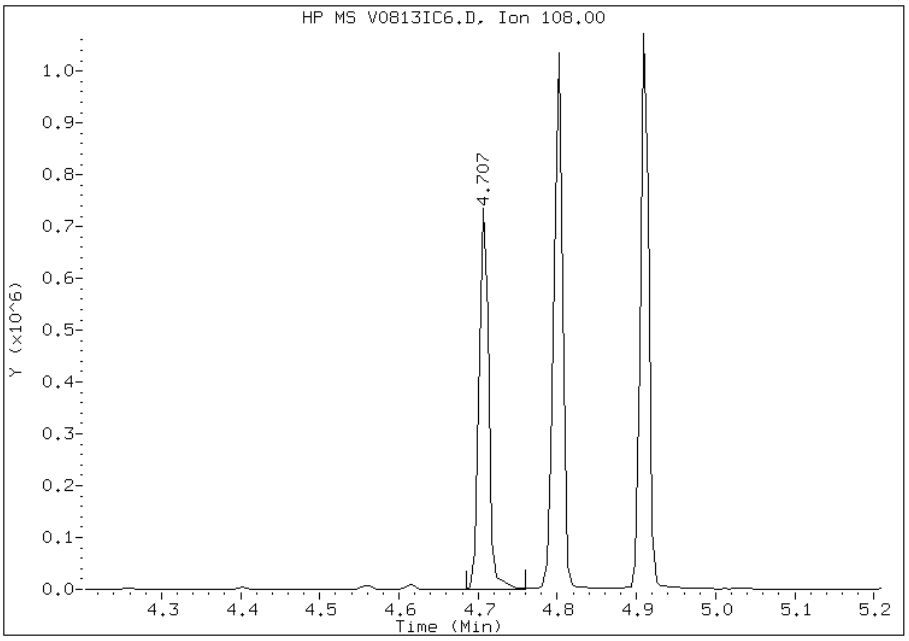
Manual Integration Results

RT: 4.71

Response: 600223

Amount: 38

Conc: 38



Manually Integrated By: piccolinov
Modification Date: 13-Aug-2012 12:35
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V0813IC6.D
Inj. Date and Time: 13-AUG-2012 11:48
Instrument ID: 731.i
Client ID:
Compound: 49 Benzoic Acid
CAS #: 65-85-0
Report Date: 08/13/2012

Processing Integration Results

RT: 5.39

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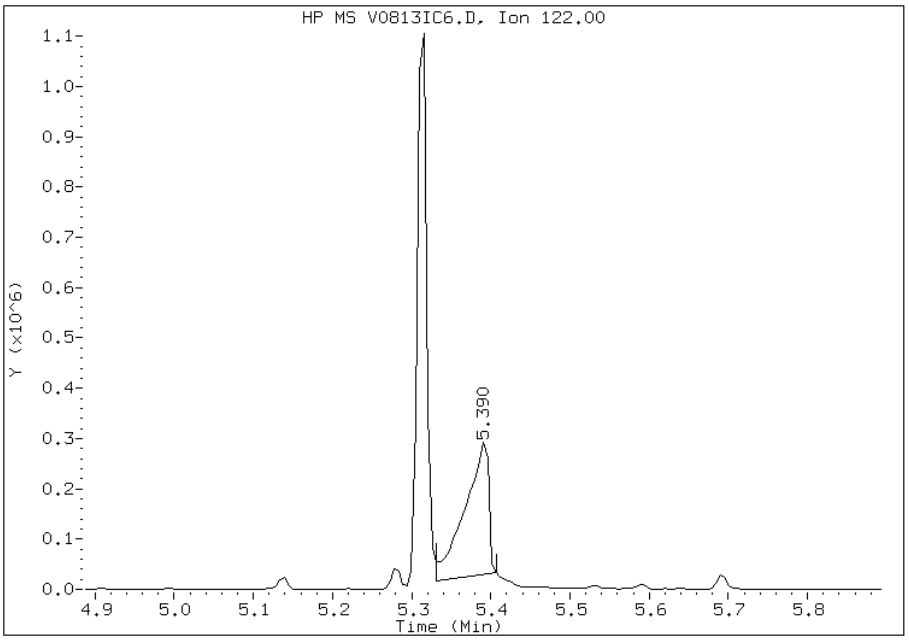
Amount: 36

Conc: 36



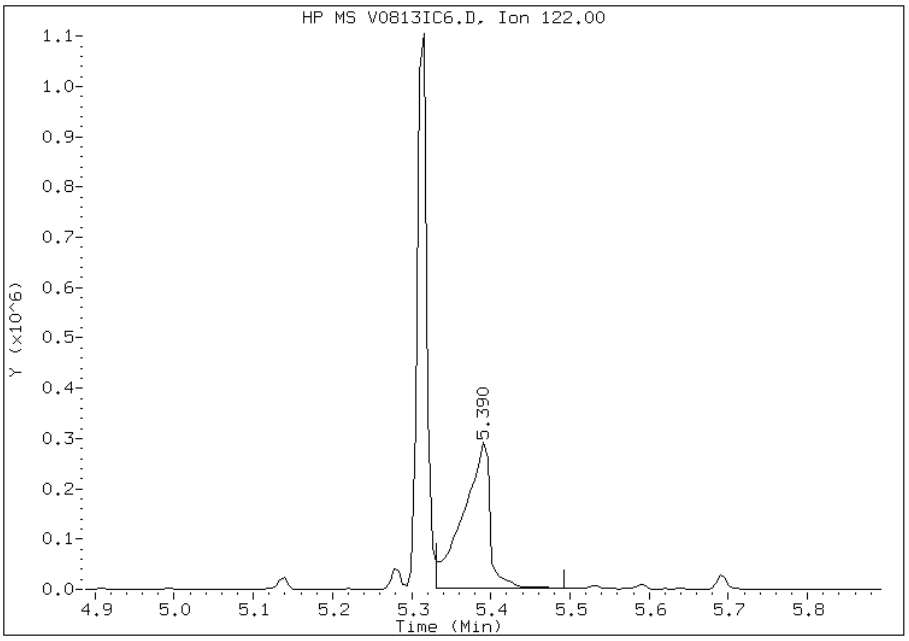
Manual Integration Results

RT: 5.39

Response: 687501

Amount: 43

Conc: 43



Manually Integrated By: piccolinov
Modification Date: 13-Aug-2012 12:35
Manual Integration Reason: Poor Chromatography

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV081312.b\V0813IC7.D
Lab Smp Id: IC 495233
Inj Date : 13-AUG-2012 12:12
Operator : 003200 Inst ID: 731.i
Smp Info : IC 495233
Misc Info : TV081312.b,T8270ll.m,padepi.sub
Comment :
Method : \\PITSVR06\D\chem\731.i\TV081312.b\T8270ll.m
Meth Date : 13-Aug-2012 12:34 piccolinov Quant Type: ISTD
Cal Date : 13-AUG-2012 12:12 Cal File: V0813IC7.D
Als bottle: 8 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	4.606	4.606	(1.000)	139304	8.00000	
* 2 Naphthalene-d8	136	5.579	5.579	(1.000)	612248	8.00000	
* 3 Acenaphthene-d10	164	6.930	6.930	(1.000)	391010	8.00000	
* 4 Phenanthrene-d10	188	8.073	8.073	(1.000)	625893	8.00000	
* 5 Chrysene-d12	240	10.162	10.162	(1.000)	578861	8.00000	
* 6 Perylene-d12	264	11.610	11.610	(1.000)	590331	8.00000	
198 1,4-Dioxane	88	1.481	1.481	(0.322)	251171	60.0000	52.811
10 N-Nitrosodimethylamine	74	1.983	1.983	(0.431)	358196	60.0000	60.951
9 Pyridine	79	1.999	1.999	(0.434)	625414	60.0000	61.016
16 Methyl methanesulfonate	80	3.415	3.415	(0.741)	417657	60.0000	54.788
206 Benzaldehyde	77	4.264	4.264	(0.926)	464008	60.0000	47.417
21 Aniline	93	4.355	4.355	(0.946)	1326355	60.0000	49.418
22 Phenol	94	4.350	4.350	(0.944)	1343451	60.0000	49.908
23 bis(2-Chloroethyl)ether	93	4.409	4.409	(0.957)	1029395	60.0000	54.880
24 2-Chlorophenol	128	4.446	4.446	(0.965)	1300198	60.0000	55.249
26 1,3-Dichlorobenzene	146	4.564	4.564	(0.991)	1541761	60.0000	55.443
27 1,4-Dichlorobenzene	146	4.622	4.622	(1.003)	1583745	60.0000	54.625
28 1,2-Dichlorobenzene	146	4.740	4.740	(1.029)	1499454	60.0000	53.865
217 Indene	116	4.804	4.804	(1.043)	2018504	60.0000	52.626
29 Benzyl Alcohol	108	4.713	4.713	(1.023)	793445	60.0000	54.653
30 2-Methylphenol	108	4.809	4.809	(1.044)	1070939	60.0000	51.740
31 2,2'-oxybis(1-Chloropropane)	45	4.820	4.820	(1.046)	1575655	60.0000	51.680
37 Acetophenone	105	4.916	4.916	(1.067)	1422232	60.0000	45.457
32 N-Nitroso-di-n-propylamine	70	4.921	4.921	(1.068)	716461	60.0000	50.162
192 4-Methylphenol	108	4.916	4.916	(1.067)	1002595	60.0000	49.138
34 Hexachloroethane	117	5.002	5.002	(1.086)	648118	60.0000	55.919
35 Nitrobenzene	77	5.044	5.044	(0.904)	1283945	60.0000	58.189
36 N-Nitrosopyrrolidine	100	4.895	4.895	(1.063)	553352	60.0000	57.326

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
41 Isophorone	82	5.226	5.226	(0.937)	2212748	60.0000	57.987
42 2-Nitrophenol	139	5.285	5.285	(0.947)	866804	60.0000	62.469
43 2,4-Dimethylphenol	107	5.322	5.322	(0.954)	1314783	60.0000	57.992
44 bis(2-Chloroethoxy)methane	93	5.392	5.392	(0.966)	1498691	60.0000	58.326
48 2,4-Dichlorophenol	162	5.472	5.472	(0.981)	1262508	60.0000	58.180
49 Benzoic Acid	122	5.408	5.408	(0.969)	925658	60.0000	66.048(M)
50 1,2,4-Trichlorobenzene	180	5.536	5.536	(0.992)	1510395	60.0000	57.889
51 Naphthalene	128	5.595	5.595	(1.003)	4441443	60.0000	57.386
52 4-Chloroaniline	127	5.632	5.632	(1.010)	1709715	60.0000	57.085
54 2,6-Dichlorophenol	162	5.643	5.643	(1.011)	1218837	60.0000	59.058
56 Hexachlorobutadiene	225	5.701	5.701	(1.022)	855545	60.0000	60.058
208 Caprolactam	113	5.899	5.899	(1.057)	361590	60.0000	58.795
59 4-Chloro-3-Methylphenol	107	6.001	6.001	(1.076)	1203034	60.0000	58.098
62 2-Methylnaphthalene	142	6.123	6.123	(1.098)	3144994	60.0000	57.166
63 1-Methylnaphthalene	142	6.204	6.204	(1.112)	3037594	60.0000	57.430
64 Hexachlorocyclopentadiene	237	6.257	6.257	(0.903)	965717	60.0000	60.353
65 1,2,4,5-Tetrachlorobenzene	216	6.257	6.257	(0.903)	1396190	60.0000	55.648
66 2,4,6-Trichlorophenol	196	6.342	6.342	(0.915)	1114104	60.0000	62.646
67 2,4,5-Trichlorophenol	196	6.369	6.369	(0.919)	1135455	60.0000	60.062
209 1,1'-Biphenyl	154	6.481	6.481	(0.935)	3883017	60.0000	57.722
70 2-Chloronaphthalene	162	6.497	6.497	(0.938)	3266361	60.0000	58.890
73 2-Nitroaniline	65	6.572	6.572	(0.948)	757525	60.0000	58.127
76 Dimethylphthalate	163	6.706	6.706	(0.968)	3274273	60.0000	57.973
78 2,6-Dinitrotoluene	165	6.754	6.754	(0.975)	779033	60.0000	61.662
79 Acenaphthylene	152	6.818	6.818	(0.984)	4898440	60.0000	58.299
81 3-Nitroaniline	138	6.882	6.882	(0.993)	907064	60.0000	61.692
82 Acenaphthene	153	6.951	6.951	(1.003)	3180381	60.0000	56.974
83 2,4-Dinitrophenol	184	6.962	6.962	(1.005)	474490	60.0000	67.623
85 4-Nitrophenol	109	7.005	7.005	(1.011)	359070	60.0000	60.472
86 Dibenzofuran	168	7.085	7.085	(1.022)	4646830	60.0000	57.632
87 2,4-Dinitrotoluene	165	7.064	7.064	(1.019)	1038191	60.0000	60.313
91 2,3,5,6-Tetrachlorophenol	232	7.144	7.144	(1.031)	967997	60.0000	64.350
88 2,3,4,6-Tetrachlorophenol	232	7.176	7.176	(1.035)	874003	60.0000	58.605
92 2-Naphthylamine	143	7.203	7.203	(1.039)	857491	60.0000	37.402
93 Diethylphthalate	149	7.251	7.251	(1.046)	3368508	60.0000	57.364
94 Fluorene	166	7.352	7.352	(1.061)	3443835	60.0000	54.039
95 4-Chlorophenyl-phenylether	204	7.341	7.341	(1.059)	1717194	60.0000	56.305
96 4-Nitroaniline	138	7.357	7.357	(1.062)	815128	60.0000	56.641
98 4,6-Dinitro-2-methylphenol	198	7.379	7.379	(0.914)	651612	60.0000	69.836
99 N-Nitrosodiphenylamine (1)	169	7.432	7.432	(0.921)	2452666	60.0000	61.875
100 1,2-Diphenylhydrazine	77	7.464	7.464	(0.925)	3445416	60.0000	60.942
106 4-Bromophenyl-phenylether	248	7.721	7.721	(0.956)	1086747	60.0000	64.331
107 Hexachlorobenzene	284	7.780	7.780	(0.964)	1073423	60.0000	65.197
210 Atrazine	200	7.828	7.828	(0.970)	298517	60.0000	36.258
111 Pentachlorophenol	266	7.924	7.924	(0.981)	743653	60.0000	66.480
115 Phenanthrene	178	8.089	8.089	(1.002)	5678945	60.0000	62.261
116 Anthracene	178	8.132	8.132	(1.007)	5568123	60.0000	60.847
119 Carbazole	167	8.244	8.244	(1.021)	4650994	60.0000	59.418
120 Di-n-Butylphthalate	149	8.495	8.495	(1.052)	5760676	60.0000	61.054
123 Fluoranthene	202	9.014	9.014	(1.116)	5375528	60.0000	59.110
124 Benzidine	184	9.099	9.099	(0.895)	1358433	60.0000	72.447
125 Pyrene	202	9.195	9.195	(0.905)	5700764	60.0000	59.725
131 Butylbenzylphthalate	149	9.665	9.665	(0.951)	2377819	60.0000	62.168
135 3,3'-Dichlorobenzidine	252	10.114	10.114	(0.995)	1724267	60.0000	65.772

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
136 Benzo(a)Anthracene	228	10.151	10.151	(0.999)	5216554	60.0000	63.086
137 Chrysene	228	10.183	10.183	(1.002)	4803785	60.0000	60.244
139 bis(2-ethylhexyl)Phthalate	149	10.119	10.119	(0.996)	3461911	60.0000	62.784
140 Di-n-octylphthalate	149	10.680	10.680	(0.920)	6700918	60.0000	69.234
141 Benzo(b)fluoranthene	252	11.182	11.182	(0.963)	6893066	60.0000	69.968
142 Benzo(k)fluoranthene	252	11.209	11.209	(0.965)	5653143	60.0000	59.868
143 7,12-dimethylbenz[a]anthracen	256	11.166	11.166	(0.962)	2619618	60.0000	67.626
146 Benzo(a)pyrene	252	11.551	11.551	(0.995)	4716805	60.0000	65.840
149 Indeno(1,2,3-cd)pyrene	276	13.084	13.084	(1.127)	5742308	60.0000	69.745
150 Dibenz(a,h)anthracene	278	13.090	13.090	(1.127)	4840097	60.0000	70.661
151 Benzo(g,h,i)perylene	276	13.522	13.522	(1.165)	4866303	60.0000	70.202
$ 154 Nitrobenzene-d5	82	5.028	5.028	(0.901)	1275226	60.0000	58.545
$ 155 2-Fluorobiphenyl	172	6.407	6.407	(0.924)	3511104	60.0000	59.209
$ 156 Terphenyl-d14	244	9.297	9.297	(0.915)	3405774	60.0000	61.100
$ 157 Phenol-d5	99	4.339	4.339	(0.942)	1237352	60.0000	54.411
$ 158 2-Fluorophenol	112	3.581	3.581	(0.777)	939478	60.0000	58.039
$ 159 2,4,6-Tribromophenol	330	7.534	7.534	(0.933)	472979	60.0000	71.054
$ 186 2-Chlorophenol-d4	132	4.435	4.435	(0.963)	1271699	60.0000	55.320
$ 187 1,2-Dichlorobenzene-d4	152	4.729	4.729	(1.027)	898105	60.0000	53.201

QC Flag Legend

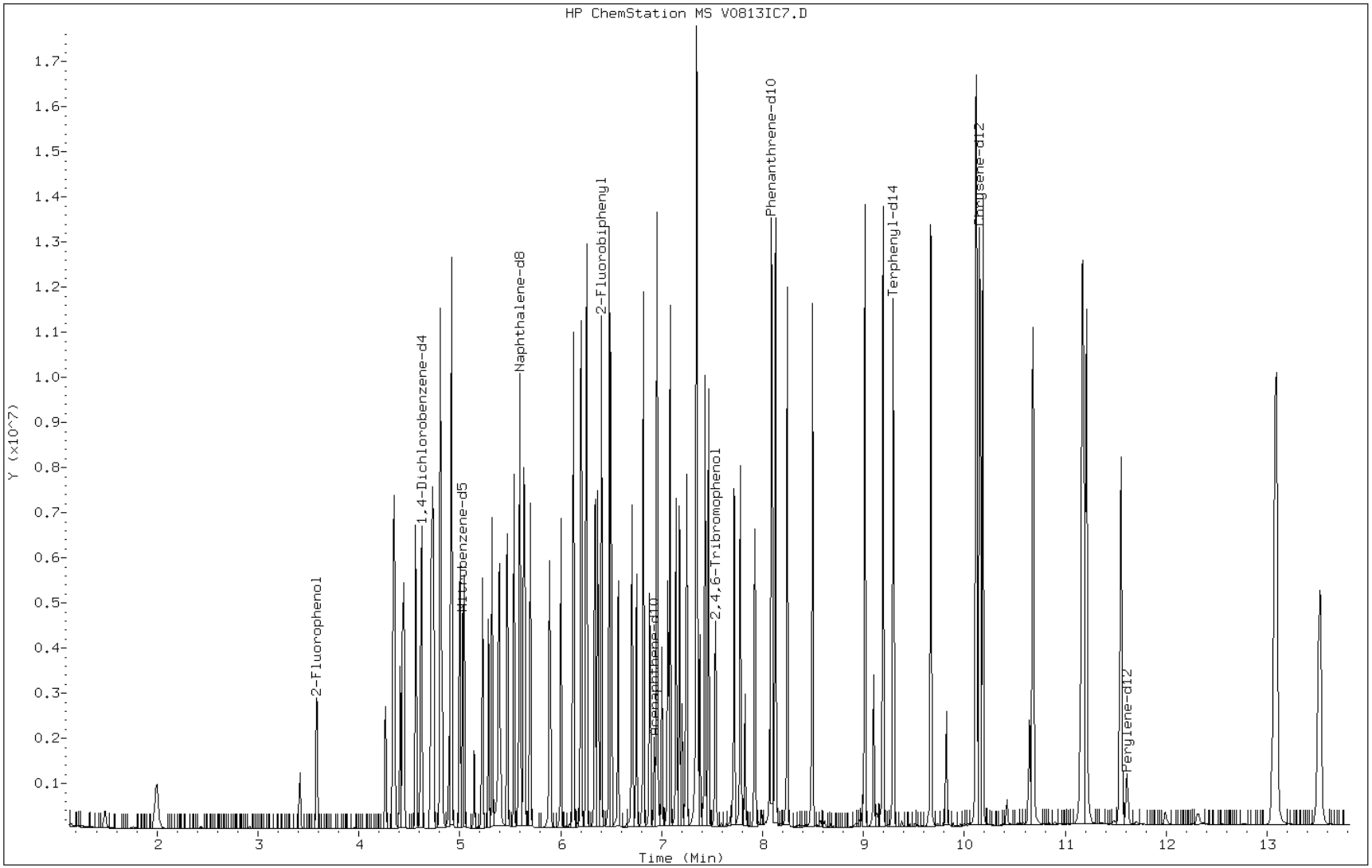
M - Compound response manually integrated.

Data File: V0813IC7.D

Date: 13-AUG-2012 12:12

Client ID: Instrument: 731.i

Sample Info: IC 495233 Operator: 003200



Manual Integration Report

Data File: V0813IC7.D
Inj. Date and Time: 13-AUG-2012 12:12
Instrument ID: 731.i
Client ID:
Compound: 49 Benzoic Acid
CAS #: 65-85-0
Report Date: 08/13/2012

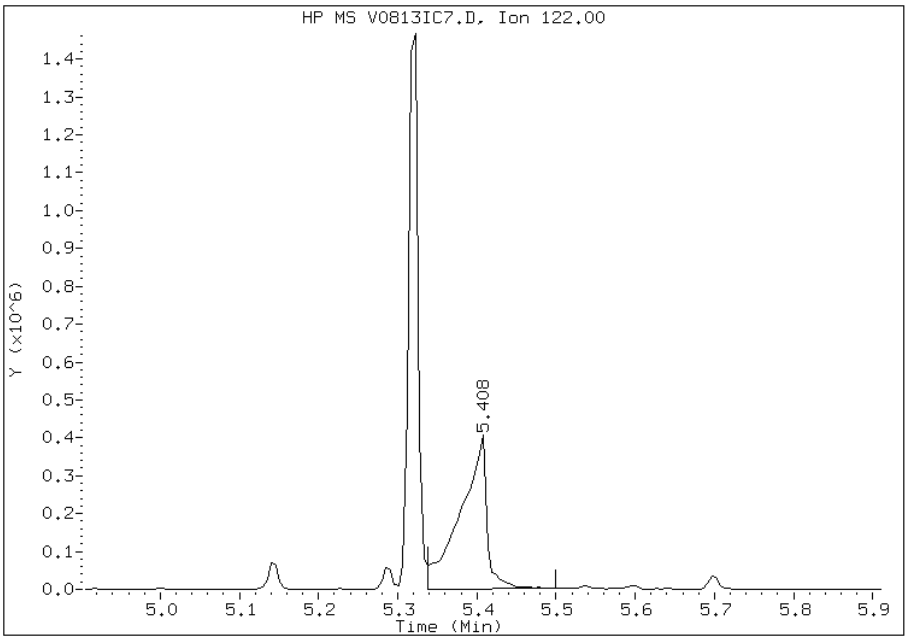
Processing Integration Results

RT: 5.41

Response: 931164

Amount: 69

Conc: 69



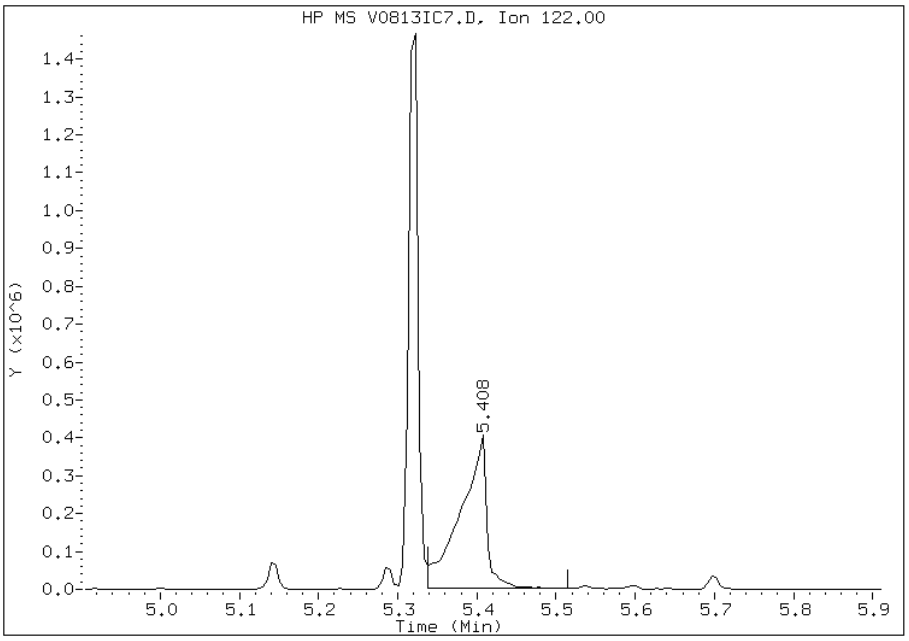
Manual Integration Results

RT: 5.41

Response: 925658

Amount: 66

Conc: 66



Manually Integrated By: piccolinov
Modification Date: 13-Aug-2012 12:36
Manual Integration Reason: Poor Chromatography

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV081312.b\V0813IC8.D
Lab Smp Id: IC 495239
Inj Date : 13-AUG-2012 12:35
Operator : 003200 Inst ID: 731.i
Smp Info : IC 495239
Misc Info : TV081312.b,T8270ll.m,padepi.sub
Comment :
Method : \\PITSVR06\D\chem\731.i\TV081312.b\T8270ll.m
Meth Date : 13-Aug-2012 13:05 piccolinov Quant Type: ISTD
Cal Date : 13-AUG-2012 12:35 Cal File: V0813IC8.D
Als bottle: 9 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	4.604	4.604	(1.000)	142370	8.00000	
* 2 Naphthalene-d8	136	5.576	5.576	(1.000)	601844	8.00000	
* 3 Acenaphthene-d10	164	6.923	6.923	(1.000)	374620	8.00000	
* 4 Phenanthrene-d10	188	8.066	8.066	(1.000)	607155	8.00000	
* 5 Chrysene-d12	240	10.155	10.155	(1.000)	559849	8.00000	
* 6 Perylene-d12	264	11.597	11.597	(1.000)	586069	8.00000	
198 1,4-Dioxane	88	1.479	1.479	(0.321)	338755	80.0000	70.833
10 N-Nitrosodimethylamine	74	1.981	1.981	(0.430)	465713	80.0000	77.839
9 Pyridine	79	1.997	1.997	(0.434)	825053	80.0000	78.912
16 Methyl methanesulfonate	80	3.413	3.413	(0.741)	541181	80.0000	70.626
206 Benzaldehyde	77	4.262	4.262	(0.926)	543146	80.0000	56.580
21 Aniline	93	4.353	4.353	(0.945)	1668393	80.0000	62.703
22 Phenol	94	4.348	4.348	(0.944)	1695180	80.0000	63.440
23 bis(2-Chloroethyl)ether	93	4.406	4.406	(0.957)	1339747	80.0000	71.009
24 2-Chlorophenol	128	4.444	4.444	(0.965)	1657659	80.0000	70.135
26 1,3-Dichlorobenzene	146	4.561	4.561	(0.991)	2017100	80.0000	71.990
27 1,4-Dichlorobenzene	146	4.620	4.620	(1.003)	2044853	80.0000	70.216
28 1,2-Dichlorobenzene	146	4.732	4.732	(1.028)	1938813	80.0000	69.434
217 Indene	116	4.802	4.802	(1.043)	2597553	80.0000	67.717
29 Benzyl Alcohol	108	4.711	4.711	(1.023)	998992	80.0000	68.690
30 2-Methylphenol	108	4.807	4.807	(1.044)	1352332	80.0000	65.575
31 2,2'-oxybis(1-Chloropropane)	45	4.818	4.818	(1.046)	1970582	80.0000	64.942
37 Acetophenone	105	4.914	4.914	(1.067)	1802129	80.0000	58.520
32 N-Nitroso-di-n-propylamine	70	4.919	4.919	(1.068)	903379	80.0000	63.689
192 4-Methylphenol	108	4.914	4.914	(1.067)	1231014	80.0000	61.034
34 Hexachloroethane	117	4.994	4.994	(1.085)	849962	80.0000	72.692
35 Nitrobenzene	77	5.042	5.042	(0.904)	1644661	80.0000	76.324
36 N-Nitrosopyrrolidine	100	4.898	4.898	(1.064)	694376	80.0000	71.460

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
41 Isophorone	82	5.224	5.224	(0.937)	2829847	80.0000	75.982
42 2-Nitrophenol	139	5.283	5.283	(0.947)	1106558	80.0000	80.984
43 2,4-Dimethylphenol	107	5.315	5.315	(0.953)	1651272	80.0000	74.783
44 bis(2-Chloroethoxy)methane	93	5.389	5.389	(0.966)	1907370	80.0000	76.048
48 2,4-Dichlorophenol	162	5.470	5.470	(0.981)	1632289	80.0000	76.939
49 Benzoic Acid	122	5.411	5.411	(0.970)	1199234	80.0000	86.099(M)
50 1,2,4-Trichlorobenzene	180	5.534	5.534	(0.992)	1938319	80.0000	76.100
51 Naphthalene	128	5.592	5.592	(1.003)	5639219	80.0000	74.808
52 4-Chloroaniline	127	5.630	5.630	(1.010)	2087426	80.0000	71.923
54 2,6-Dichlorophenol	162	5.640	5.640	(1.011)	1536461	80.0000	76.244
56 Hexachlorobutadiene	225	5.694	5.694	(1.021)	1093823	80.0000	78.343
208 Caprolactam	113	5.902	5.902	(1.058)	457332	80.0000	76.166
59 4-Chloro-3-Methylphenol	107	5.998	5.998	(1.076)	1503120	80.0000	74.562
62 2-Methylnaphthalene	142	6.121	6.121	(1.098)	4025483	80.0000	75.088
63 1-Methylnaphthalene	142	6.201	6.201	(1.112)	3857858	80.0000	74.878
64 Hexachlorocyclopentadiene	237	6.249	6.249	(0.903)	1221108	80.0000	79.696
65 1,2,4,5-Tetrachlorobenzene	216	6.255	6.255	(0.904)	1752548	80.0000	73.724
66 2,4,6-Trichlorophenol	196	6.335	6.335	(0.915)	1461509	80.0000	85.009
67 2,4,5-Trichlorophenol	196	6.367	6.367	(0.920)	1412924	80.0000	78.252
209 1,1'-Biphenyl	154	6.479	6.479	(0.936)	4854467	80.0000	75.874
70 2-Chloronaphthalene	162	6.495	6.495	(0.938)	4153533	80.0000	78.386
73 2-Nitroaniline	65	6.565	6.565	(0.948)	948517	80.0000	76.449
76 Dimethylphthalate	163	6.704	6.704	(0.968)	4178754	80.0000	77.561
78 2,6-Dinitrotoluene	165	6.752	6.752	(0.975)	994531	80.0000	81.887
79 Acenaphthylene	152	6.816	6.816	(0.985)	6061417	80.0000	75.854
81 3-Nitroaniline	138	6.880	6.880	(0.994)	1130736	80.0000	80.236
82 Acenaphthene	153	6.949	6.949	(1.004)	3963251	80.0000	74.794
83 2,4-Dinitrophenol	184	6.960	6.960	(1.005)	616178	80.0000	90.018
85 4-Nitrophenol	109	7.003	7.003	(1.012)	443242	80.0000	78.169
86 Dibenzofuran	168	7.083	7.083	(1.023)	5806010	80.0000	75.732
87 2,4-Dinitrotoluene	165	7.061	7.061	(1.020)	1310068	80.0000	79.507
91 2,3,5,6-Tetrachlorophenol	232	7.142	7.142	(1.032)	1229121	80.0000	84.585
88 2,3,4,6-Tetrachlorophenol	232	7.174	7.174	(1.036)	1099375	80.0000	77.312
92 2-Naphthylamine	143	7.195	7.195	(1.039)	1032773	80.0000	49.573
93 Diethylphthalate	149	7.243	7.243	(1.046)	4261759	80.0000	76.257
94 Fluorene	166	7.345	7.345	(1.061)	4218564	80.0000	70.290
95 4-Chlorophenyl-phenylether	204	7.339	7.339	(1.060)	2177620	80.0000	75.169
96 4-Nitroaniline	138	7.350	7.350	(1.062)	1037614	80.0000	75.817
98 4,6-Dinitro-2-methylphenol	198	7.377	7.377	(0.915)	834035	80.0000	90.429
99 N-Nitrosodiphenylamine (1)	169	7.425	7.425	(0.921)	3149269	80.0000	81.658
100 1,2-Diphenylhydrazine	77	7.462	7.462	(0.925)	4241099	80.0000	77.654
106 4-Bromophenyl-phenylether	248	7.713	7.713	(0.956)	1363588	80.0000	82.794
107 Hexachlorobenzene	284	7.777	7.777	(0.964)	1347446	80.0000	83.794
210 Atrazine	200	7.825	7.825	(0.970)	359705	80.0000	47.641
111 Pentachlorophenol	266	7.922	7.922	(0.982)	940412	80.0000	85.771
115 Phenanthrene	178	8.087	8.087	(1.003)	7028915	80.0000	79.510
116 Anthracene	178	8.125	8.125	(1.007)	6789344	80.0000	76.905
119 Carbazole	167	8.242	8.242	(1.022)	5872436	80.0000	77.661
120 Di-n-Butylphthalate	149	8.488	8.488	(1.052)	7112056	80.0000	77.983
123 Fluoranthene	202	9.011	9.011	(1.117)	6825298	80.0000	77.688
124 Benzidine	184	9.097	9.097	(0.896)	1826344	80.0000	97.552
125 Pyrene	202	9.188	9.188	(0.905)	7011501	80.0000	76.435
131 Butylbenzylphthalate	149	9.663	9.663	(0.952)	3041213	80.0000	81.930
135 3,3'-Dichlorobenzidine	252	10.107	10.107	(0.995)	2212849	80.0000	86.294

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
136 Benzo(a)Anthracene	228	10.144	10.144	(0.999)	6686092	80.0000	83.136
137 Chrysene	228	10.176	10.176	(1.002)	6189100	80.0000	80.222
139 bis(2-ethylhexyl)Phthalate	149	10.112	10.112	(0.996)	4350969	80.0000	81.386
140 Di-n-octylphthalate	149	10.667	10.667	(0.920)	8488167	80.0000	87.202
141 Benzo(b)fluoranthene	252	11.170	11.170	(0.963)	8457536	80.0000	85.607
142 Benzo(k)fluoranthene	252	11.196	11.196	(0.965)	7804869	80.0000	82.835
143 7,12-dimethylbenz[a]anthracen	256	11.154	11.154	(0.962)	3358761	80.0000	86.347
146 Benzo(a)pyrene	252	11.538	11.538	(0.995)	6163307	80.0000	85.764
149 Indeno(1,2,3-cd)pyrene	276	13.071	13.071	(1.127)	7503533	80.0000	90.137
150 Dibenz(a,h)anthracene	278	13.077	13.077	(1.128)	6323025	80.0000	91.133
151 Benzo(g,h,i)perylene	276	13.509	13.509	(1.165)	6433034	80.0000	91.550
$ 154 Nitrobenzene-d5	82	5.026	5.026	(0.901)	1655135	80.0000	77.628
$ 155 2-Fluorobiphenyl	172	6.399	6.399	(0.924)	4423502	80.0000	78.120
$ 156 Terphenyl-d14	244	9.289	9.289	(0.915)	4355804	80.0000	80.697
$ 157 Phenol-d5	99	4.337	4.337	(0.942)	1563825	80.0000	68.650
$ 158 2-Fluorophenol	112	3.584	3.584	(0.778)	1214230	80.0000	74.163
$ 159 2,4,6-Tribromophenol	330	7.532	7.532	(0.934)	582244	80.0000	88.758
$ 186 2-Chlorophenol-d4	132	4.433	4.433	(0.963)	1652845	80.0000	71.429
$ 187 1,2-Dichlorobenzene-d4	152	4.722	4.722	(1.026)	1151858	80.0000	68.173

QC Flag Legend

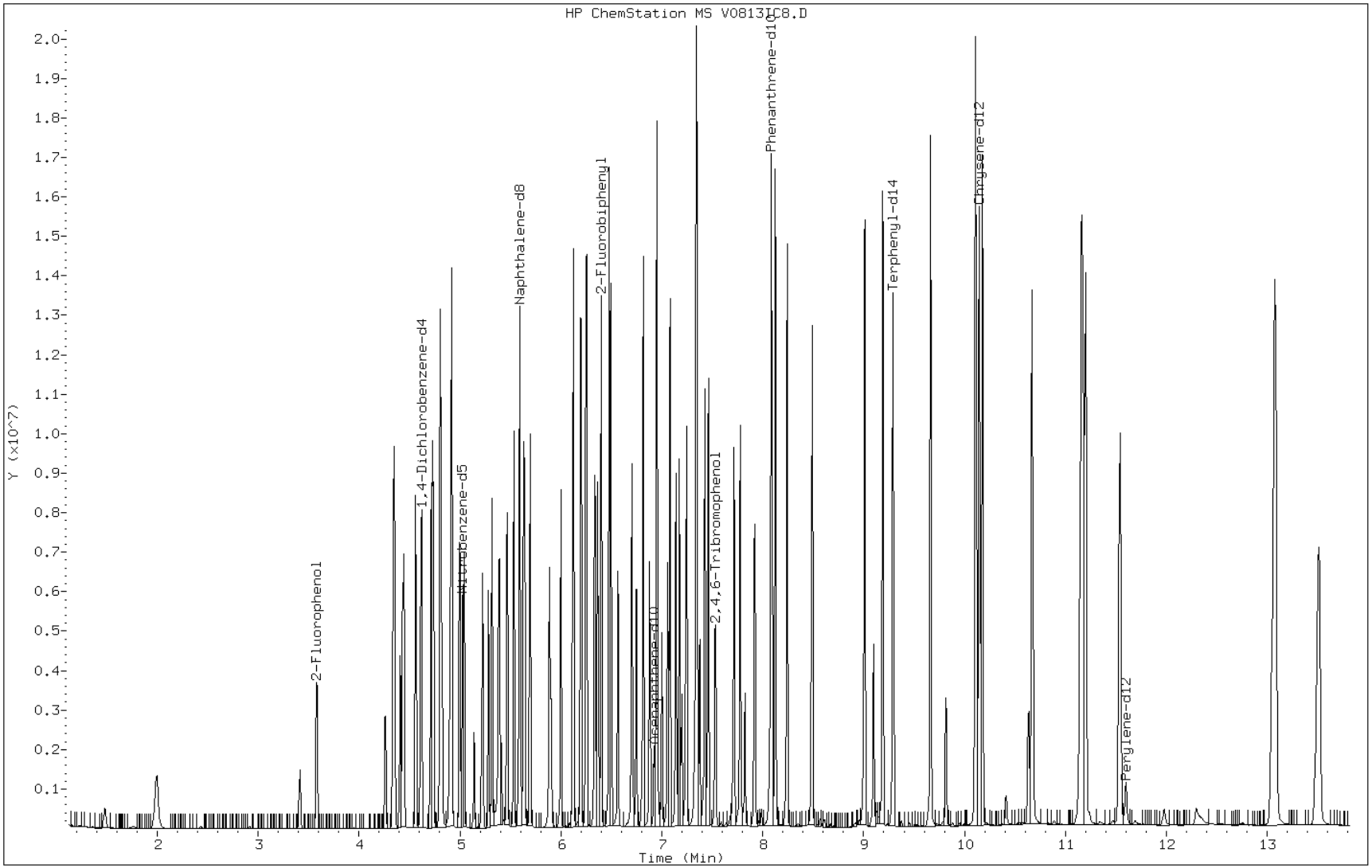
M - Compound response manually integrated.

Data File: V0813IC8.D

Date: 13-AUG-2012 12:35

Client ID: Instrument: 731.i

Sample Info: IC 495239 Operator: 003200



Manual Integration Report

Data File: V0813IC8.D
Inj. Date and Time: 13-AUG-2012 12:35
Instrument ID: 731.i
Client ID:
Compound: 49 Benzoic Acid
CAS #: 65-85-0
Report Date: 08/13/2012

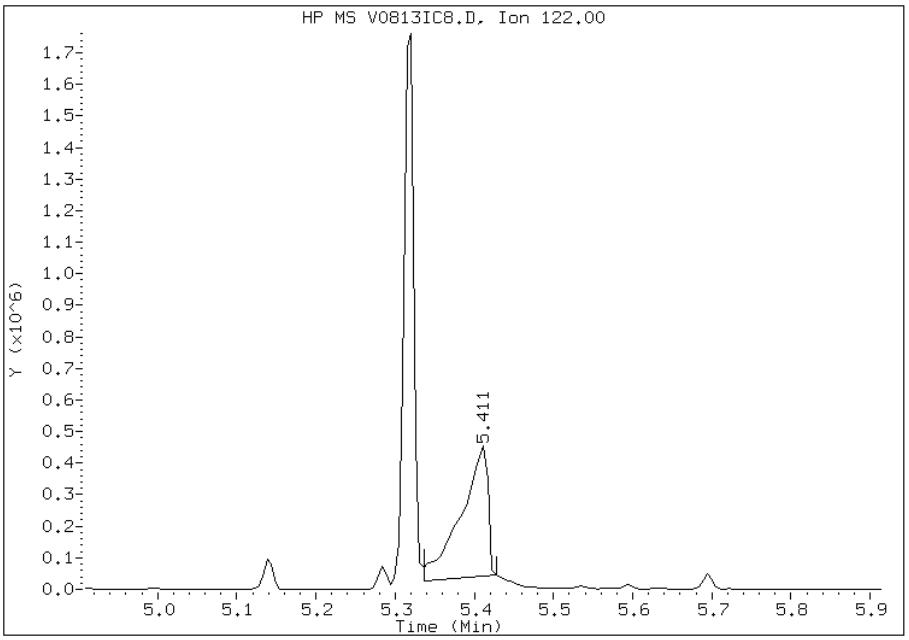
Processing Integration Results

RT: 5.41

Response: 954413

Amount: 70

Conc: 70



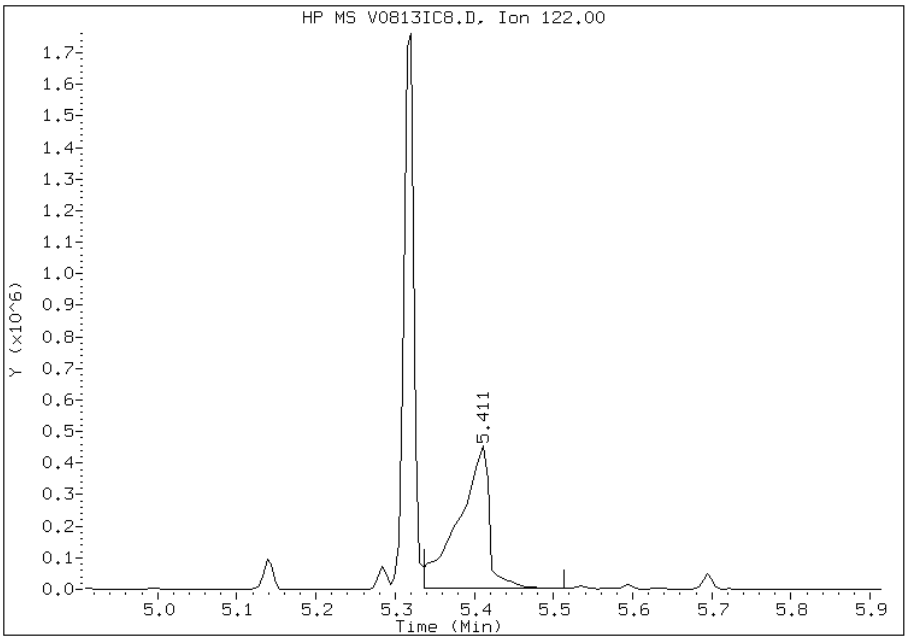
Manual Integration Results

RT: 5.41

Response: 1199234

Amount: 86

Conc: 86



Manually Integrated By: piccolinov
Modification Date: 13-Aug-2012 13:06
Manual Integration Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCVIS 180-45848/30 Calibration Date: 08/21/2012 15:03

Instrument ID: 731 Calib Start Date: 08/13/2012 09:53

GC Column: Rxi-5SilMS ID: 0.32(mm) Calib End Date: 08/13/2012 12:35

Lab File ID: V08210CC.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.2489	0.2476		1.99	2.00	-0.5	50.0
N-Nitrosodimethylamine	Ave	0.3362	0.3420		2.03	2.00	1.7	50.0
Pyridine	Ave	0.5875	0.6186		2.11	2.00	5.3	50.0
Methyl methanesulfonate	Ave	0.4306	0.4269		1.98	2.00	-0.8	50.0
Benzaldehyde	Qua	0.5816	0.6063		1.84	2.00	-8.2	50.0
Phenol	Ave	1.501	1.517		2.02	2.00	1.0	20.0
Aniline	Ave	1.495	1.454		1.95	2.00	-2.7	50.0
Bis(2-chloroethyl)ether	Ave	1.060	1.079		2.04	2.00	1.8	25.0
2-Chlorophenol	Ave	1.328	1.346		2.03	2.00	1.3	25.0
1,3-Dichlorobenzene	Ave	1.574	1.593		2.02	2.00	1.2	50.0
1,4-Dichlorobenzene	Ave	1.636	1.652		2.02	2.00	0.9	20.0
Benzyl alcohol	Ave	0.8172	0.6667		1.63	2.00	-18.4	50.0
1,2-Dichlorobenzene	Ave	1.569	1.618		2.06	2.00	3.1	50.0
2-Methylphenol	Ave	1.159	1.180		2.04	2.00	1.8	25.0
Indene	Ave	2.155	2.173		2.02	2.00	0.8	50.0
2,2'-oxybis[1-chloropropane]	Ave	1.705	1.639		1.92	2.00	-3.9	50.0
N-Nitrosopyrrolidine	Ave	0.5460	0.5065		1.86	2.00	-7.2	50.0
Acetophenone	Qua	1.730	1.647		1.82	2.00	-9.1	50.0
Methylphenol, 3 & 4	Ave	1.133	1.167		2.06	2.00	2.9	25.0
N-Nitrosodi-n-propylamine	Ave	0.7970	0.7861	0.0500	1.97	2.00	-1.4	25.0
Hexachloroethane	Ave	0.6570	0.6606		2.01	2.00	0.5	25.0
Nitrobenzene	Ave	0.2864	0.2756		1.92	2.00	-3.8	25.0
Isophorone	Ave	0.4951	0.4651		1.88	2.00	-6.1	25.0
2-Nitrophenol	Ave	0.1816	0.1797		1.98	2.00	-1.1	20.0
2,4-Dimethylphenol	Ave	0.2935	0.2997		2.04	2.00	2.1	25.0
Benzoic acid	Ave	0.1851	0.1618		4.37	5.00	-12.6	50.0
Bis(2-chloroethoxy)methane	Ave	0.3334	0.3263		1.96	2.00	-2.1	25.0
2,4-Dichlorophenol	Ave	0.2820	0.2759		1.96	2.00	-2.2	20.0
1,2,4-Trichlorobenzene	Ave	0.3386	0.3358		1.98	2.00	-0.8	25.0
Naphthalene	Ave	1.002	1.003		2.00	2.00	0.1	25.0
4-Chloroaniline	Ave	0.3858	0.3882		2.01	2.00	0.6	50.0
2,6-Dichlorophenol	Ave	0.2679	0.2508		1.87	2.00	-6.4	50.0
Hexachlorobutadiene	Ave	0.1856	0.1896		2.04	2.00	2.2	20.0
Caprolactam	Ave	0.0798	0.0788		1.97	2.00	-1.3	50.0
4-Chloro-3-methylphenol	Ave	0.2680	0.2586		1.93	2.00	-3.5	20.0
2-Methylnaphthalene	Ave	0.7126	0.7044		1.98	2.00	-1.2	25.0
1-Methylnaphthalene	Ave	0.6849	0.6740		1.97	2.00	-1.6	50.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5076	0.5359		2.11	2.00	5.6	50.0
Hexachlorocyclopentadiene	Ave	0.3272	0.3150	0.0500	1.93	2.00	-3.7	50.0
2,4,6-Trichlorophenol	Ave	0.3671	0.3627		1.98	2.00	-1.2	20.0
2,4,5-Trichlorophenol	Ave	0.3856	0.3758		1.95	2.00	-2.5	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCVIS 180-45848/30 Calibration Date: 08/21/2012 15:03

Instrument ID: 731 Calib Start Date: 08/13/2012 09:53

GC Column: Rxi-5SilMS ID: 0.32(mm) Calib End Date: 08/13/2012 12:35

Lab File ID: V08210CC.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1'-Biphenyl	Ave	1.366	1.387		2.03	2.00	1.5	50.0
2-Chloronaphthalene	Ave	1.132	1.148		2.03	2.00	1.5	25.0
2-Nitroaniline	Ave	0.2650	0.2457		1.85	2.00	-7.3	50.0
Dimethyl phthalate	Ave	1.151	1.191		2.07	2.00	3.5	50.0
2,6-Dinitrotoluene	Ave	0.2594	0.2670		2.06	2.00	2.9	25.0
Acenaphthylene	Ave	1.706	1.756		2.06	2.00	2.9	25.0
3-Nitroaniline	Ave	0.3009	0.2998		1.99	2.00	-0.4	50.0
Acenaphthene	Ave	1.132	1.159		2.05	2.00	2.4	20.0
2,4-Dinitrophenol	Ave	0.1462	0.0948	0.0500	3.24	5.00	-35.2	50.0
4-Nitrophenol	Ave	0.1211	0.1132	0.0500	4.67	5.00	-6.6	50.0
2,4-Dinitrotoluene	Ave	0.3519	0.3665		2.08	2.00	4.2	25.0
Dibenzofuran	Ave	1.637	1.672		2.04	2.00	2.1	25.0
2,3,5,6-Tetrachlorophenol	Ave	0.3103	0.2649		1.71	2.00	-14.6	50.0
2,3,4,6-Tetrachlorophenol	Ave	0.3037	0.3079		2.03	2.00	1.4	50.0
2-Naphthylamine	Qua	0.4449	0.4017		1.41	2.00	-29.3	50.0
Diethyl phthalate	Ave	1.193	1.194		2.00	2.00	0.0	50.0
4-Chlorophenyl phenyl ether	Ave	0.6186	0.6589		2.13	2.00	6.5	25.0
4-Nitroaniline	Ave	0.2923	0.3183		2.18	2.00	8.9	50.0
Fluorene	Ave	1.282	1.365		2.13	2.00	6.5	25.0
4,6-Dinitro-2-methylphenol	Ave	0.1268	0.1041		4.10	5.00	-17.9	50.0
N-Nitrosodiphenylamine	Ave	0.5082	0.5144		2.02	2.00	1.2	20.0
1,2-Diphenylhydrazine(as Azobenzene)	Ave	0.7196	0.6690		1.86	2.00	-7.0	50.0
4-Bromophenyl phenyl ether	Ave	0.2170	0.2122		1.96	2.00	-2.2	25.0
Hexachlorobenzene	Ave	0.2119	0.2087		1.97	2.00	-1.5	25.0
Atrazine	Qua	0.1122	0.1039		1.77	2.00	-11.3	50.0
Pentachlorophenol	Ave	0.1445	0.1187		4.11	5.00	-17.9	20.0
Phenanthrene	Ave	1.165	1.158		1.99	2.00	-0.6	25.0
Anthracene	Ave	1.163	1.191		2.05	2.00	2.3	25.0
Carbazole	Ave	0.996	1.028		2.06	2.00	3.2	50.0
Di-n-butyl phthalate	Ave	1.202	1.285		2.14	2.00	6.9	50.0
Fluoranthene	Ave	1.158	1.223		2.11	2.00	5.7	20.0
Benzidine	Qua	0.2675	0.3073			2.00	11.7	50.0
Pyrene	Ave	1.311	1.242		1.90	2.00	-5.2	25.0
Butyl benzyl phthalate	Ave	0.5304	0.5163		1.95	2.00	-2.7	50.0
3,3'-Dichlorobenzidine	Ave	0.3664	0.3639		1.99	2.00	-0.7	50.0
Bis(2-ethylhexyl) phthalate	Ave	0.7639	0.7424		1.94	2.00	-2.8	50.0
Benzo[a]anthracene	Ave	1.149	1.129		1.96	2.00	-1.8	25.0
Chrysene	Ave	1.102	1.084		1.97	2.00	-1.7	25.0
Di-n-octyl phthalate	Ave	1.329	1.242		1.87	2.00	-6.5	20.0
7,12-Dimethylbenz(a)anthracene	Ave	0.5310	0.4964		1.87	2.00	-6.5	50.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCVIS 180-45848/30 Calibration Date: 08/21/2012 15:03

Instrument ID: 731 Calib Start Date: 08/13/2012 09:53

GC Column: Rxi-5SilMS ID: 0.32(mm) Calib End Date: 08/13/2012 12:35

Lab File ID: V08210CC.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[b]fluoranthene	Ave	1.349	1.110		1.65	2.00	-17.7	25.0
Benzo[k]fluoranthene	Ave	1.286	1.308		2.03	2.00	1.7	25.0
Benzo[a]pyrene	Ave	0.9810	0.9176		1.87	2.00	-6.5	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.136	1.086		1.91	2.00	-4.5	50.0
Dibenz(a,h)anthracene	Ave	0.9471	0.9152		1.93	2.00	-3.4	50.0
Benzo[g,h,i]perylene	Ave	0.9592	0.9342		1.95	2.00	-2.6	25.0
2-Fluorophenol	Ave	0.9200	0.9264		2.01	2.00	0.7	
Phenol-d5	Ave	1.280	1.276		1.99	2.00	-0.3	
2-Chlorophenol-d4	Ave	1.300	1.351		2.08	2.00	3.9	
1,2-Dichlorobenzene-d4	Ave	0.9494	1.003		2.11	2.00	5.6	
Nitrobenzene-d5	Ave	0.2834	0.2703		1.91	2.00	-4.6	
2-Fluorobiphenyl	Ave	1.209	1.252		2.07	2.00	3.6	
2,4,6-Tribromophenol	Ave	0.0864	0.0780		1.81	2.00	-9.7	
Terphenyl-d14	Ave	0.7713	0.7127		1.85	2.00	-7.6	

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV082112.b\V08210CC.D
Lab Smp Id: CCVIS 526545
Inj Date : 21-AUG-2012 15:03
Operator : 003200 Inst ID: 731.i
Smp Info : CCVIS 526545
Misc Info : TV082112.b,T8270ll.m,padepi.sub
Comment :
Method : \\PITSVR06\D\chem\731.i\TV082112.b\T8270ll.m
Meth Date : 22-Aug-2012 01:41 piccolinov Quant Type: ISTD
Cal Date : 13-AUG-2012 12:35 Cal File: V0813IC8.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	4.573	4.573	(1.000)	169610	8.00000	
* 2 Naphthalene-d8	136	5.540	5.540	(1.000)	770059	8.00000	
* 3 Acenaphthene-d10	164	6.892	6.892	(1.000)	468778	8.00000	
* 4 Phenanthrene-d10	188	8.035	8.035	(1.000)	818843	8.00000	
* 5 Chrysene-d12	240	10.140	10.140	(1.000)	825611	8.00000	
* 6 Perylene-d12	264	11.582	11.582	(1.000)	892148	8.00000	
198 1,4-Dioxane	88	1.453	1.453	(0.318)	20999	4.00000	3.9791
10 N-Nitrosodimethylamine	74	1.956	1.956	(0.428)	28999	4.00000	4.0684
9 Pyridine	79	1.988	1.988	(0.435)	52462	4.00000	4.2118
16 Methyl methanesulfonate	80	3.387	3.387	(0.741)	36207	4.00000	3.9662
206 Benzaldehyde	77	4.226	4.226	(0.924)	51419	4.00000	3.6712
21 Aniline	93	4.317	4.317	(0.944)	123341	4.00000	3.8910
22 Phenol	94	4.311	4.311	(0.943)	128658	4.00000	4.0416
23 bis(2-Chloroethyl)ether	93	4.370	4.370	(0.956)	91497	4.00000	4.0707
24 2-Chlorophenol	128	4.408	4.408	(0.964)	114139	4.00000	4.0536
26 1,3-Dichlorobenzene	146	4.525	4.525	(0.989)	135060	4.00000	4.0461
27 1,4-Dichlorobenzene	146	4.584	4.584	(1.002)	140071	4.00000	4.0373
28 1,2-Dichlorobenzene	146	4.701	4.701	(1.028)	137182	4.00000	4.1238
217 Indene	116	4.766	4.766	(1.042)	184245	4.00000	4.0318
29 Benzyl Alcohol	108	4.675	4.675	(1.022)	56537	4.00000	3.2631(M)
30 2-Methylphenol	108	4.766	4.766	(1.042)	100066	4.00000	4.0729
31 2,2'-oxybis(1-Chloropropane)	45	4.782	4.782	(1.046)	138956	4.00000	3.8439
37 Acetophenone	105	4.872	4.872	(1.065)	139661	4.00000	3.6372
32 N-Nitroso-di-n-propylamine	70	4.878	4.878	(1.067)	66666	4.00000	3.9452
192 4-Methylphenol	108	4.878	4.878	(1.067)	98934	4.00000	4.1174
34 Hexachloroethane	117	4.963	4.963	(1.085)	56023	4.00000	4.0218
35 Nitrobenzene	77	5.006	5.006	(0.904)	106119	4.00000	3.8489
36 N-Nitrosopyrrolidine	100	4.851	4.851	(1.061)	42953	4.00000	3.7105

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
41 Isophorone	82	5.182	5.182	(0.935)	179069	4.00000	3.7577
42 2-Nitrophenol	139	5.246	5.246	(0.947)	69193	4.00000	3.9577
43 2,4-Dimethylphenol	107	5.284	5.284	(0.954)	115409	4.00000	4.0849
44 bis(2-Chloroethoxy)methane	93	5.353	5.353	(0.966)	125615	4.00000	3.9143
48 2,4-Dichlorophenol	162	5.433	5.433	(0.981)	106242	4.00000	3.9138
49 Benzoic Acid	122	5.332	5.332	(0.962)	155782	10.0000	8.7412(M)
50 1,2,4-Trichlorobenzene	180	5.497	5.497	(0.992)	129286	4.00000	3.9671
51 Naphthalene	128	5.556	5.556	(1.003)	386246	4.00000	4.0046
52 4-Chloroaniline	127	5.594	5.594	(1.010)	149450	4.00000	4.0245
54 2,6-Dichlorophenol	162	5.604	5.604	(1.012)	96555	4.00000	3.7447
56 Hexachlorobutadiene	225	5.663	5.663	(1.022)	72999	4.00000	4.0863
208 Caprolactam	113	5.829	5.829	(1.052)	30320	4.00000	3.9466
59 4-Chloro-3-Methylphenol	107	5.962	5.962	(1.076)	99578	4.00000	3.8605
62 2-Methylnaphthalene	142	6.085	6.085	(1.098)	271196	4.00000	3.9536
63 1-Methylnaphthalene	142	6.165	6.165	(1.113)	259503	4.00000	3.9365
64 Hexachlorocyclopentadiene	237	6.219	6.219	(0.902)	73839	4.00000	3.8512
65 1,2,4,5-Tetrachlorobenzene	216	6.219	6.219	(0.902)	125606	4.00000	4.2225
66 2,4,6-Trichlorophenol	196	6.304	6.304	(0.915)	85002	4.00000	3.9511
67 2,4,5-Trichlorophenol	196	6.331	6.331	(0.919)	88089	4.00000	3.8987
209 1,1'-Biphenyl	154	6.443	6.443	(0.935)	325147	4.00000	4.0612
70 2-Chloronaphthalene	162	6.459	6.459	(0.937)	269076	4.00000	4.0581
73 2-Nitroaniline	65	6.528	6.528	(0.947)	57595	4.00000	3.7096
76 Dimethylphthalate	163	6.667	6.667	(0.967)	279169	4.00000	4.1408
78 2,6-Dinitrotoluene	165	6.715	6.715	(0.974)	62573	4.00000	4.1172
79 Acenaphthylene	152	6.780	6.780	(0.984)	411569	4.00000	4.1160
81 3-Nitroaniline	138	6.844	6.844	(0.993)	70276	4.00000	3.9851
82 Acenaphthene	153	6.913	6.913	(1.003)	271708	4.00000	4.0977
83 2,4-Dinitrophenol	184	6.924	6.924	(1.005)	55542	10.0000	6.4844
85 4-Nitrophenol	109	6.967	6.967	(1.011)	66301	10.0000	9.3441
86 Dibenzofuran	168	7.047	7.047	(1.022)	391814	4.00000	4.0842
87 2,4-Dinitrotoluene	165	7.020	7.020	(1.019)	85910	4.00000	4.1666
91 2,3,5,6-Tetrachlorophenol	232	7.105	7.105	(1.031)	62099	4.00000	3.4151
88 2,3,4,6-Tetrachlorophenol	232	7.137	7.137	(1.036)	72178	4.00000	4.0563(M)
92 2-Naphthylamine	143	7.159	7.159	(1.039)	94142	4.00000	2.8283
93 Diethylphthalate	149	7.207	7.207	(1.046)	279848	4.00000	4.0016
94 Fluorene	166	7.308	7.308	(1.060)	319994	4.00000	4.2608
95 4-Chlorophenyl-phenylether	204	7.303	7.303	(1.060)	154440	4.00000	4.2603
96 4-Nitroaniline	138	7.308	7.308	(1.060)	74604	4.00000	4.3563
98 4,6-Dinitro-2-methylphenol	198	7.335	7.335	(0.913)	106525	10.0000	8.2056
99 N-Nitrosodiphenylamine (1)	169	7.389	7.389	(0.920)	210585	4.00000	4.0487
100 1,2-Diphenylhydrazine	77	7.426	7.426	(0.924)	273919	4.00000	3.7188
106 4-Bromophenyl-phenylether	248	7.682	7.682	(0.956)	86879	4.00000	3.9114
107 Hexachlorobenzene	284	7.741	7.741	(0.963)	85451	4.00000	3.9402
210 Atrazine	200	7.789	7.789	(0.969)	42552	4.00000	3.5483
111 Pentachlorophenol	266	7.885	7.885	(0.981)	121462	10.0000	8.2141(M)
115 Phenanthrene	178	8.051	8.051	(1.002)	473985	4.00000	3.9755
116 Anthracene	178	8.088	8.088	(1.007)	487429	4.00000	4.0939
119 Carbazole	167	8.206	8.206	(1.021)	420829	4.00000	4.1266
120 Di-n-Butylphthalate	149	8.457	8.457	(1.053)	526053	4.00000	4.2769
123 Fluoranthene	202	8.975	8.975	(1.117)	500883	4.00000	4.2273
124 Benzidine	184	9.066	9.066	(0.894)	126864	4.00000	4.4699
125 Pyrene	202	9.162	9.162	(0.904)	512876	4.00000	3.7913
131 Butylbenzylphthalate	149	9.643	9.643	(0.951)	213135	4.00000	3.8935
135 3,3'-Dichlorobenzidine	252	10.097	10.097	(0.996)	150210	4.00000	3.9721

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
136 Benzo(a)Anthracene	228	10.134	10.134	(0.999)	466090	4.00000	3.9299
137 Chrysene	228	10.166	10.166	(1.003)	447293	4.00000	3.9314
139 bis(2-ethylhexyl)Phthalate	149	10.102	10.102	(0.996)	306453	4.00000	3.8870
140 Di-n-octylphthalate	149	10.663	10.663	(0.921)	554178	4.00000	3.7400
141 Benzo(b)fluoranthene	252	11.155	11.155	(0.963)	495195	4.00000	3.2927
142 Benzo(k)fluoranthene	252	11.181	11.181	(0.965)	583599	4.00000	4.0689
143 7,12-dimethylbenz[a]anthracen	256	11.139	11.139	(0.962)	221413	4.00000	3.7392
146 Benzo(a)pyrene	252	11.523	11.523	(0.995)	409301	4.00000	3.7415
149 Indeno(1,2,3-cd)pyrene	276	13.024	13.024	(1.125)	484229	4.00000	3.8212
150 Dibenz(a,h)anthracene	278	13.035	13.035	(1.125)	408262	4.00000	3.8655
151 Benzo(g,h,i)perylene	276	13.457	13.457	(1.162)	416733	4.00000	3.8960
$ 154 Nitrobenzene-d5	82	4.990	4.990	(0.901)	104083	4.00000	3.8152
$ 155 2-Fluorobiphenyl	172	6.368	6.368	(0.924)	293524	4.00000	4.1425
$ 156 Terphenyl-d14	244	9.264	9.264	(0.914)	294205	4.00000	3.6960
$ 157 Phenol-d5	99	4.301	4.301	(0.940)	108181	4.00000	3.9863
$ 158 2-Fluorophenol	112	3.558	3.558	(0.778)	78563	4.00000	4.0278
$ 159 2,4,6-Tribromophenol	330	7.495	7.495	(0.933)	31953	4.00000	3.6117
$ 186 2-Chlorophenol-d4	132	4.397	4.397	(0.961)	114597	4.00000	4.1570
$ 187 1,2-Dichlorobenzene-d4	152	4.691	4.691	(1.026)	85057	4.00000	4.2256

QC Flag Legend

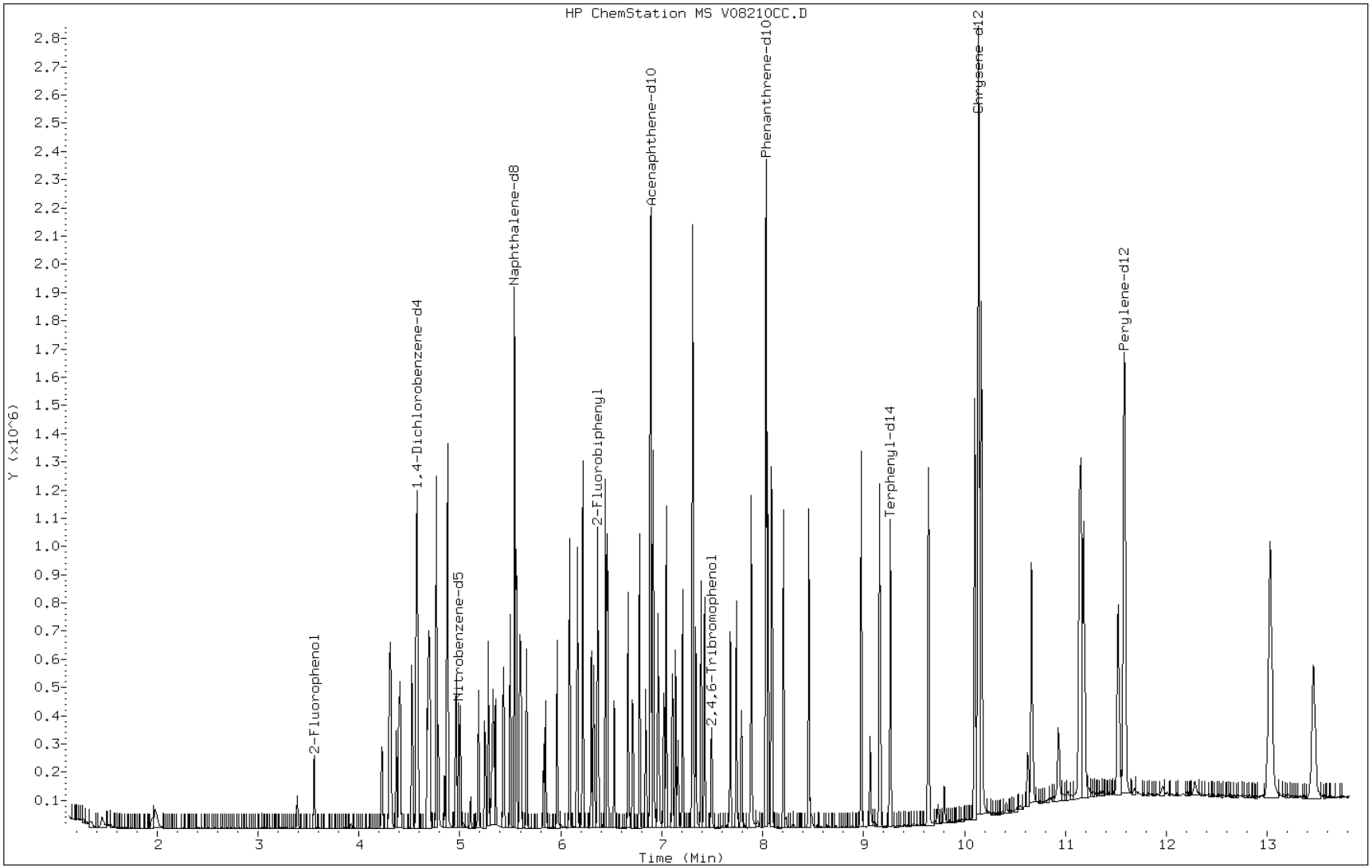
M - Compound response manually integrated.

Data File: V08210CC.D

Date: 21-AUG-2012 15:03

Client ID: Instrument: 731.i

Sample Info: CCVIS 526545 Operator: 003200



Manual Integration Report

Data File: V08210CC.D
Inj. Date and Time: 21-AUG-2012 15:03
Instrument ID: 731.i
Client ID:
Compound: 29 Benzyl Alcohol
CAS #: 100-51-6
Report Date: 08/22/2012

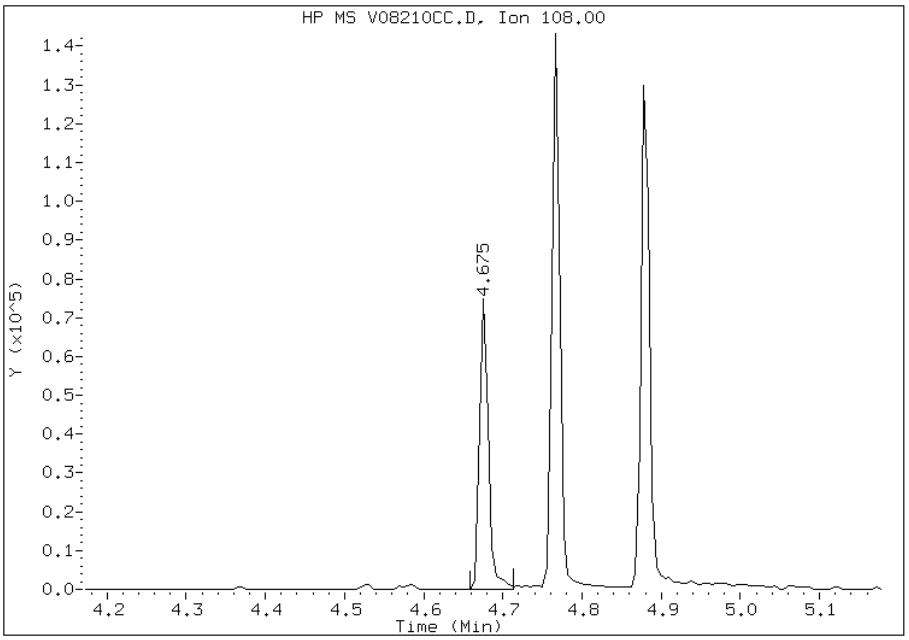
Processing Integration Results

RT: 4.68

Response: 55592

Amount: 3

Conc: 3



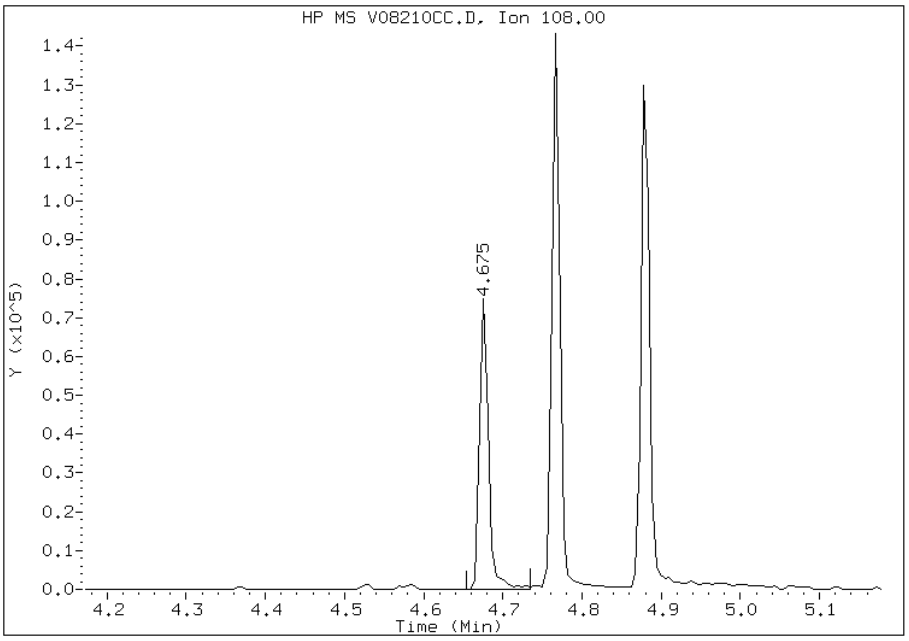
Manual Integration Results

RT: 4.68

Response: 56537

Amount: 3

Conc: 3



Manually Integrated By: piccolinov
Modification Date: 22-Aug-2012 01:41
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V08210CC.D
Inj. Date and Time: 21-AUG-2012 15:03
Instrument ID: 731.i
Client ID:
Compound: 49 Benzoic Acid
CAS #: 65-85-0
Report Date: 08/22/2012

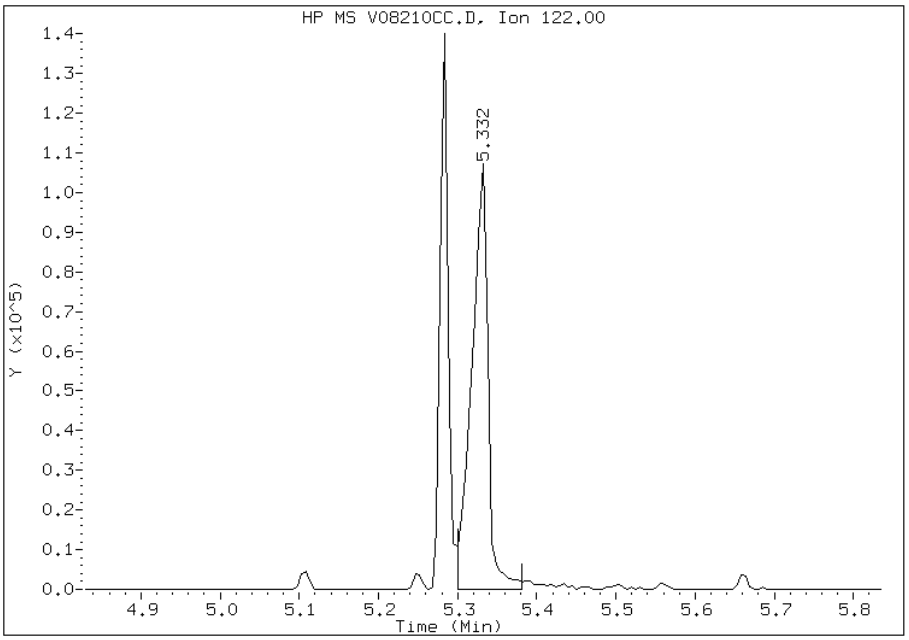
Processing Integration Results

RT: 5.33

Response: 151049

Amount: 8

Conc: 8



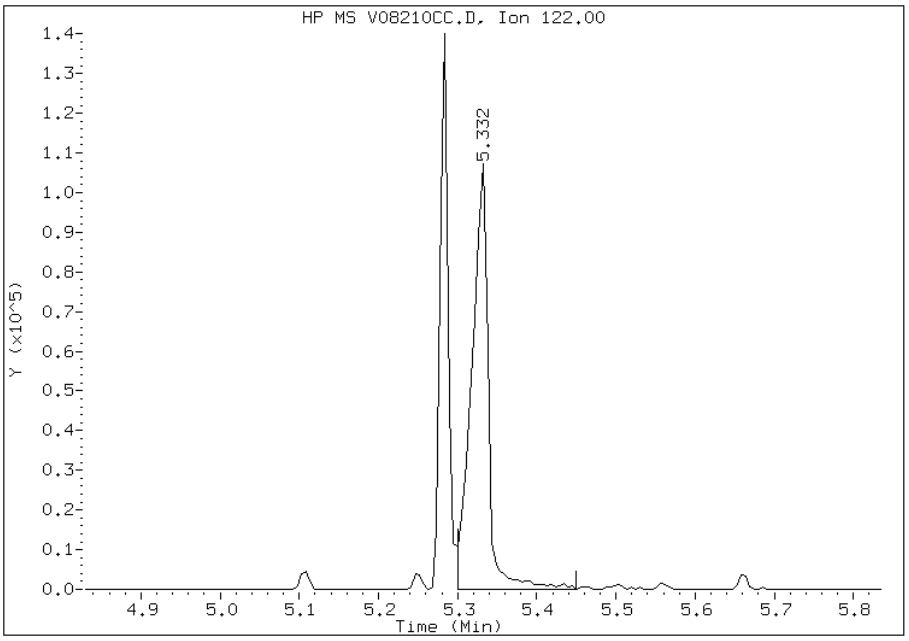
Manual Integration Results

RT: 5.33

Response: 155782

Amount: 9

Conc: 9



Manually Integrated By: piccolinov
Modification Date: 22-Aug-2012 01:42
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V08210CC.D
Inj. Date and Time: 21-AUG-2012 15:03
Instrument ID: 731.i
Client ID:
Compound: 88 2,3,4,6-Tetrachlorophenol
CAS #: 58-90-2
Report Date: 08/22/2012

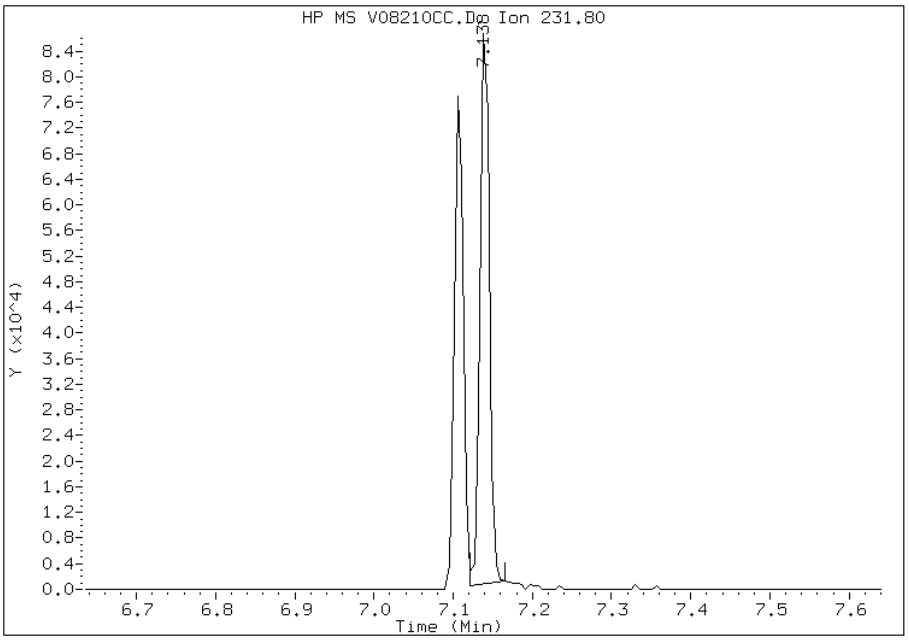
Processing Integration Results

RT: 7.14

Response: 68306

Amount: 4

Conc: 4



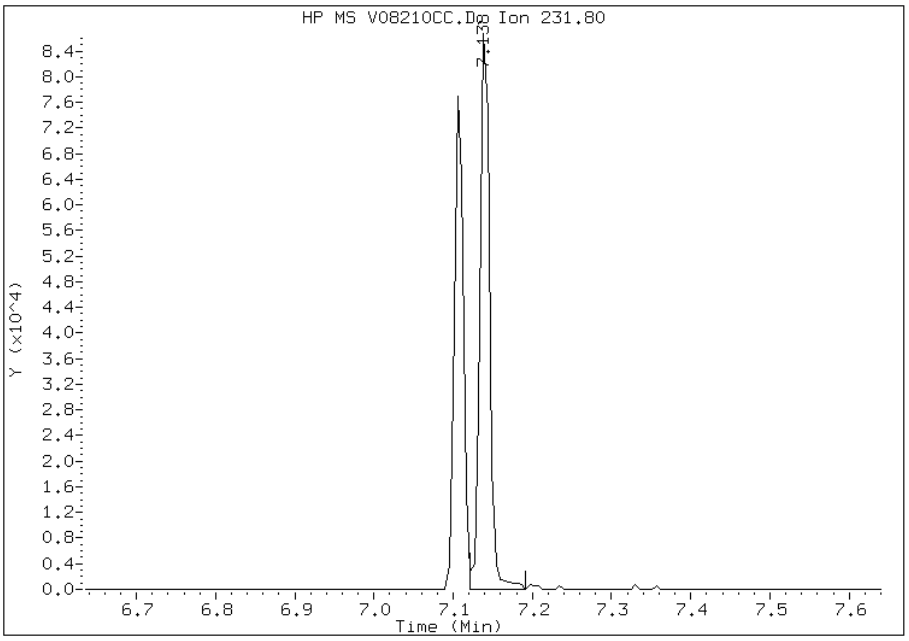
Manual Integration Results

RT: 7.14

Response: 72178

Amount: 4

Conc: 4



Manually Integrated By: piccolinov
Modification Date: 22-Aug-2012 01:42
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V08210CC.D
Inj. Date and Time: 21-AUG-2012 15:03
Instrument ID: 731.i
Client ID:
Compound: 111 Pentachlorophenol
CAS #: 87-86-5
Report Date: 08/22/2012

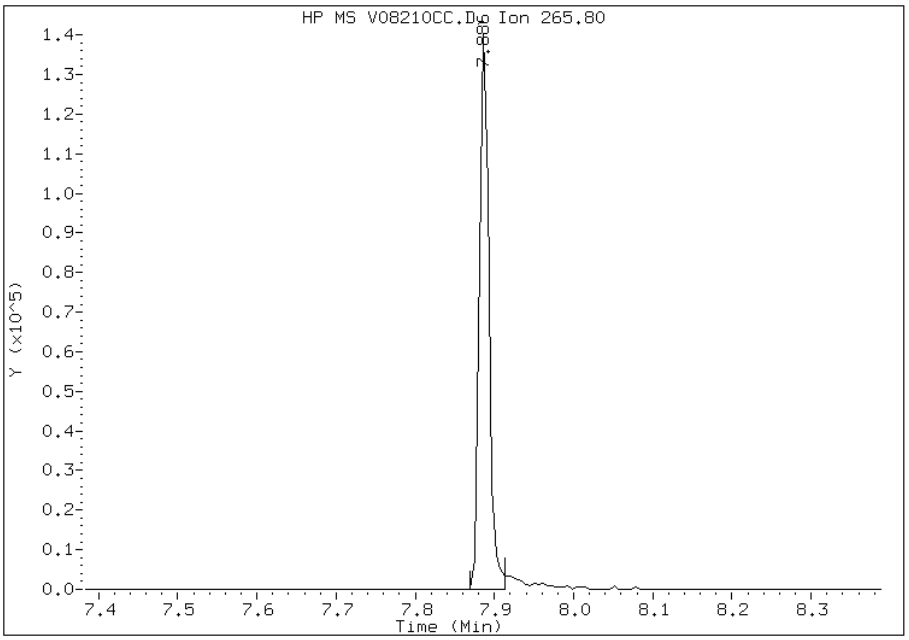
Processing Integration Results

RT: 7.89

Response: 114408

Amount: 8

Conc: 8



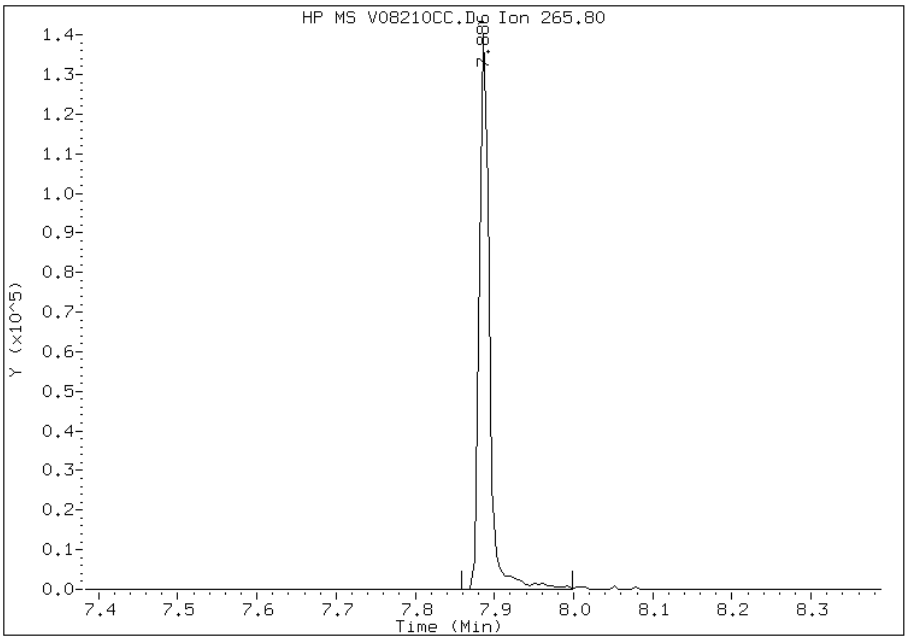
Manual Integration Results

RT: 7.89

Response: 121462

Amount: 8

Conc: 8



Manually Integrated By: piccolinov
Modification Date: 22-Aug-2012 01:42
Manual Integration Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCVIS 180-46317/24 Calibration Date: 08/24/2012 16:06

Instrument ID: 731 Calib Start Date: 08/13/2012 09:53

GC Column: Rxi-5SilMS ID: 0.32(mm) Calib End Date: 08/13/2012 12:35

Lab File ID: V08240CC.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.2489	0.2558		2.06	2.00	2.8	50.0
N-Nitrosodimethylamine	Ave	0.3362	0.3669		2.18	2.00	9.1	50.0
Pyridine	Ave	0.5875	0.6790		2.31	2.00	15.6	50.0
Methyl methanesulfonate	Ave	0.4306	0.4390		2.04	2.00	2.0	50.0
Benzaldehyde	Qua	0.5816	0.6756		2.00	2.00	-0.2	50.0
Phenol	Ave	1.501	1.636		2.18	2.00	9.0	20.0
Aniline	Ave	1.495	1.541		2.06	2.00	3.0	50.0
Bis(2-chloroethyl)ether	Ave	1.060	1.069		2.02	2.00	0.8	25.0
2-Chlorophenol	Ave	1.328	1.352		2.04	2.00	1.8	25.0
1,3-Dichlorobenzene	Ave	1.574	1.560		1.98	2.00	-0.9	50.0
1,4-Dichlorobenzene	Ave	1.636	1.596		1.95	2.00	-2.4	20.0
Benzyl alcohol	Ave	0.8172	0.8419			2.00	3.0	50.0
1,2-Dichlorobenzene	Ave	1.569	1.541		1.96	2.00	-1.8	50.0
2-Methylphenol	Ave	1.159	1.221		2.11	2.00	5.4	25.0
Indene	Ave	2.155	2.198		2.04	2.00	2.0	50.0
2,2'-oxybis[1-chloropropane]	Ave	1.705	1.647		1.93	2.00	-3.4	50.0
N-Nitrosopyrrolidine	Ave	0.5460	0.5094		1.87	2.00	-6.7	50.0
Acetophenone	Qua	1.730	2.125		2.37	2.00	18.5	50.0
Methylphenol, 3 & 4	Ave	1.133	1.252		2.21	2.00	10.4	25.0
N-Nitrosodi-n-propylamine	Ave	0.7970	0.8452	0.0500	2.12	2.00	6.0	25.0
Hexachloroethane	Ave	0.6570	0.6295		1.92	2.00	-4.2	25.0
Nitrobenzene	Ave	0.2864	0.2821		1.97	2.00	-1.5	25.0
Isophorone	Ave	0.4951	0.4959		2.00	2.00	0.2	25.0
2-Nitrophenol	Ave	0.1816	0.1833		2.02	2.00	0.9	20.0
2,4-Dimethylphenol	Ave	0.2935	0.3018		2.06	2.00	2.8	25.0
Benzoic acid	Ave	0.1851	0.2081		5.62	5.00	12.4	50.0
Bis(2-chloroethoxy)methane	Ave	0.3334	0.3379		2.03	2.00	1.3	25.0
2,4-Dichlorophenol	Ave	0.2820	0.2893		2.05	2.00	2.6	20.0
1,2,4-Trichlorobenzene	Ave	0.3386	0.3201		1.89	2.00	-5.5	25.0
Naphthalene	Ave	1.002	0.9776		1.95	2.00	-2.4	25.0
4-Chloroaniline	Ave	0.3858	0.3972		2.06	2.00	3.0	50.0
2,6-Dichlorophenol	Ave	0.2679	0.2667			2.00	-0.4	50.0
Hexachlorobutadiene	Ave	0.1856	0.1810		1.95	2.00	-2.5	20.0
Caprolactam	Ave	0.0798	0.1106			2.00	38.6	50.0
4-Chloro-3-methylphenol	Ave	0.2680	0.2749		2.05	2.00	2.6	20.0
2-Methylnaphthalene	Ave	0.7126	0.6955		1.95	2.00	-2.4	25.0
1-Methylnaphthalene	Ave	0.6849	0.6893		2.01	2.00	0.6	50.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5076	0.5267		2.08	2.00	3.8	50.0
Hexachlorocyclopentadiene	Ave	0.3272	0.3208	0.0500	1.96	2.00	-2.0	50.0
2,4,6-Trichlorophenol	Ave	0.3671	0.3554		1.94	2.00	-3.2	20.0
2,4,5-Trichlorophenol	Ave	0.3856	0.3983		2.07	2.00	3.3	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCVIS 180-46317/24 Calibration Date: 08/24/2012 16:06

Instrument ID: 731 Calib Start Date: 08/13/2012 09:53

GC Column: Rxi-5SilMS ID: 0.32(mm) Calib End Date: 08/13/2012 12:35

Lab File ID: V08240CC.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1'-Biphenyl	Ave	1.366	1.674		2.45	2.00	22.5	50.0
2-Chloronaphthalene	Ave	1.132	1.116		1.97	2.00	-1.4	25.0
2-Nitroaniline	Ave	0.2650	0.2751			2.00	3.8	50.0
Dimethyl phthalate	Ave	1.151	1.242		2.16	2.00	8.0	50.0
2,6-Dinitrotoluene	Ave	0.2594	0.2773		2.14	2.00	6.9	25.0
Acenaphthylene	Ave	1.706	1.690		1.98	2.00	-1.0	25.0
3-Nitroaniline	Ave	0.3009	0.3366			2.00	11.8	50.0
Acenaphthene	Ave	1.132	1.122		1.98	2.00	-0.9	20.0
2,4-Dinitrophenol	Ave	0.1462	0.1815	0.0500	6.21	5.00	24.2	50.0
4-Nitrophenol	Ave	0.1211	0.1591	0.0500	6.57	5.00	31.4	50.0
2,4-Dinitrotoluene	Ave	0.3519	0.3924		2.23	2.00	11.5	25.0
Dibenzofuran	Ave	1.637	1.680		2.05	2.00	2.6	25.0
2,3,5,6-Tetrachlorophenol	Ave	0.3103	0.3163		2.04	2.00	1.9	50.0
2,3,4,6-Tetrachlorophenol	Ave	0.3037	0.3147		2.07	2.00	3.6	50.0
2-Naphthylamine	Qua	0.4449	0.4624		1.60	2.00	-20.0	50.0
Diethyl phthalate	Ave	1.193	1.306		2.19	2.00	9.4	50.0
4-Chlorophenyl phenyl ether	Ave	0.6186	0.6641		2.15	2.00	7.3	25.0
4-Nitroaniline	Ave	0.2923	0.3709		2.54	2.00	26.9	50.0
Fluorene	Ave	1.282	1.375		2.14	2.00	7.2	25.0
4,6-Dinitro-2-methylphenol	Ave	0.1268	0.1365		5.38	5.00	7.6	50.0
N-Nitrosodiphenylamine	Ave	0.5082	0.4746		1.87	2.00	-6.6	20.0
1,2-Diphenylhydrazine(as Azobenzene)	Ave	0.7196	0.6382		1.77	2.00	-11.3	50.0
4-Bromophenyl phenyl ether	Ave	0.2170	0.1939		1.79	2.00	-10.6	25.0
Hexachlorobenzene	Ave	0.2119	0.1945		1.84	2.00	-8.2	25.0
Atrazine	Qua	0.1122	0.1252		2.09	2.00	4.5	50.0
Pentachlorophenol	Ave	0.1445	0.1383		4.79	5.00	-4.2	20.0
Phenanthrene	Ave	1.165	1.097		1.88	2.00	-5.8	25.0
Anthracene	Ave	1.163	1.124		1.93	2.00	-3.3	25.0
Carbazole	Ave	0.996	1.061		2.13	2.00	6.5	50.0
Di-n-butyl phthalate	Ave	1.202	1.254		2.09	2.00	4.3	50.0
Fluoranthene	Ave	1.158	1.238		2.14	2.00	6.9	20.0
Benzidine	Qua	0.2675	0.2501			2.00	-6.9	50.0
Pyrene	Ave	1.311	1.121		1.71	2.00	-14.5	25.0
Butyl benzyl phthalate	Ave	0.5304	0.4917		1.85	2.00	-7.3	50.0
3,3'-Dichlorobenzidine	Ave	0.3664	0.3685		2.01	2.00	0.6	50.0
Bis(2-ethylhexyl) phthalate	Ave	0.7639	0.7008			2.00	-8.3	50.0
Benzo[a]anthracene	Ave	1.149	1.093		1.90	2.00	-4.9	25.0
Chrysene	Ave	1.102	1.060		1.92	2.00	-3.8	25.0
Di-n-octyl phthalate	Ave	1.329	1.171			2.00	-11.9	20.0
7,12-Dimethylbenz(a)anthracene	Ave	0.5310	0.4854		1.83	2.00	-8.6	50.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCVIS 180-46317/24 Calibration Date: 08/24/2012 16:06

Instrument ID: 731 Calib Start Date: 08/13/2012 09:53

GC Column: Rxi-5SilMS ID: 0.32(mm) Calib End Date: 08/13/2012 12:35

Lab File ID: V08240CC.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[b]fluoranthene	Ave	1.349	1.301		1.93	2.00	-3.5	25.0
Benzo[k]fluoranthene	Ave	1.286	1.154		1.80	2.00	-10.2	25.0
Benzo[a]pyrene	Ave	0.9810	0.9125		1.86	2.00	-7.0	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.136	1.092		1.92	2.00	-3.9	50.0
Dibenz(a,h)anthracene	Ave	0.9471	0.9329		1.97	2.00	-1.5	50.0
Benzo[g,h,i]perylene	Ave	0.9592	0.9343		1.95	2.00	-2.6	25.0
2-Fluorophenol	Ave	0.9200	0.9562		2.08	2.00	3.9	
Phenol-d5	Ave	1.280	1.322		2.06	2.00	3.2	
2-Chlorophenol-d4	Ave	1.300	1.348		2.07	2.00	3.6	
1,2-Dichlorobenzene-d4	Ave	0.9494	0.9912		2.09	2.00	4.4	
Nitrobenzene-d5	Ave	0.2834	0.2787		1.97	2.00	-1.7	
2-Fluorobiphenyl	Ave	1.209	1.170		1.93	2.00	-3.3	
2,4,6-Tribromophenol	Ave	0.0864	0.0742		1.72	2.00	-14.2	
Terphenyl-d14	Ave	0.7713	0.6700		1.74	2.00	-13.1	

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV082412.b\V08240CC.D
Lab Smp Id: CCVIS 526545
Inj Date : 24-AUG-2012 16:06
Operator : 003200 Inst ID: 731.i
Smp Info : CCVIS 526545
Misc Info : TV082412.b,T8270ll.m,padepi.sub
Comment :
Method : \\PITSVR06\D\chem\731.i\TV082412.b\T8270ll.m
Meth Date : 25-Aug-2012 10:03 731.i Quant Type: ISTD
Cal Date : 13-AUG-2012 12:35 Cal File: V0813IC8.D
Als bottle: 2 Continuing Calibration Sample
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)	ON-COL (ng)
* 1 1,4-Dichlorobenzene-d4	152	4.597	4.597	(1.000)	102855	8.00000	
* 2 Naphthalene-d8	136	5.569	5.569	(1.000)	468680	8.00000	
* 3 Acenaphthene-d10	164	6.920	6.920	(1.000)	299875	8.00000	
* 4 Phenanthrene-d10	188	8.074	8.074	(1.000)	588311	8.00000	
* 5 Chrysene-d12	240	10.147	10.147	(1.000)	682697	8.00000	
* 6 Perylene-d12	264	11.600	11.600	(1.000)	729753	8.00000	
198 1,4-Dioxane	88	1.434	1.434	(0.312)	13154	4.00000	4.1103
10 N-Nitrosodimethylamine	74	1.936	1.936	(0.421)	18867	4.00000	4.3649
9 Pyridine	79	1.984	1.984	(0.432)	34917	4.00000	4.6226(M)
16 Methyl methanesulfonate	80	3.405	3.405	(0.741)	22577	4.00000	4.0783
206 Benzaldehyde	77	4.255	4.255	(0.926)	34744	4.00000	3.9900
21 Aniline	93	4.340	4.340	(0.944)	79233	4.00000	4.1218
22 Phenol	94	4.335	4.335	(0.943)	84131	4.00000	4.3581
23 bis(2-Chloroethyl)ether	93	4.399	4.399	(0.957)	54957	4.00000	4.0319
24 2-Chlorophenol	128	4.436	4.436	(0.965)	69534	4.00000	4.0722
26 1,3-Dichlorobenzene	146	4.554	4.554	(0.991)	80245	4.00000	3.9642
27 1,4-Dichlorobenzene	146	4.613	4.613	(1.003)	82098	4.00000	3.9021
28 1,2-Dichlorobenzene	146	4.730	4.730	(1.029)	79251	4.00000	3.9286
217 Indene	116	4.794	4.794	(1.043)	113058	4.00000	4.0797
29 Benzyl Alcohol	108	4.703	4.703	(1.023)	43298	4.00000	4.1209
30 2-Methylphenol	108	4.789	4.789	(1.042)	62806	4.00000	4.2155
31 2,2'-oxybis(1-Chloropropane)	45	4.810	4.810	(1.046)	84710	4.00000	3.8642
37 Acetophenone	105	4.901	4.901	(1.066)	109277	4.00000	4.7399
32 N-Nitroso-di-n-propylamine	70	4.906	4.906	(1.067)	43468	4.00000	4.2419
192 4-Methylphenol	108	4.906	4.906	(1.067)	64368	4.00000	4.4174
34 Hexachloroethane	117	4.992	4.992	(1.086)	32374	4.00000	3.8324
35 Nitrobenzene	77	5.029	5.029	(0.903)	66117	4.00000	3.9400
36 N-Nitrosopyrrolidine	100	4.874	4.874	(1.060)	26196	4.00000	3.7316
41 Isophorone	82	5.211	5.211	(0.936)	116217	4.00000	4.0070

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)	42947	4.00000	4.0361
43 2,4-Dimethylphenol	107	5.307	5.307	(0.953)	70728	4.00000	4.1132
44 bis(2-Chloroethoxy)methane	93	5.376	5.376	(0.965)	79179	4.00000	4.0539
48 2,4-Dichlorophenol	162	5.457	5.457	(0.980)	67805	4.00000	4.1041
49 Benzoic Acid	122	5.350	5.350	(0.961)	121896	10.0000	11.238(M)
50 1,2,4-Trichlorobenzene	180	5.526	5.526	(0.992)	75012	4.00000	3.7818
51 Naphthalene	128	5.585	5.585	(1.003)	229088	4.00000	3.9025
52 4-Chloroaniline	127	5.622	5.622	(1.010)	93077	4.00000	4.1182
54 2,6-Dichlorophenol	162	5.633	5.633	(1.012)	62507	4.00000	3.9831
56 Hexachlorobutadiene	225	5.692	5.692	(1.022)	42403	4.00000	3.8999
208 Caprolactam	113	5.857	5.857	(1.052)	25920	4.00000	5.5433
59 4-Chloro-3-Methylphenol	107	5.991	5.991	(1.076)	64425	4.00000	4.1038
62 2-Methylnaphthalene	142	6.119	6.119	(1.099)	162985	4.00000	3.9040
63 1-Methylnaphthalene	142	6.194	6.194	(1.112)	161521	4.00000	4.0257
64 Hexachlorocyclopentadiene	237	6.247	6.247	(0.903)	48098	4.00000	3.9216
65 1,2,4,5-Tetrachlorobenzene	216	6.247	6.247	(0.903)	78977	4.00000	4.1504
66 2,4,6-Trichlorophenol	196	6.333	6.333	(0.915)	53290	4.00000	3.8722
67 2,4,5-Trichlorophenol	196	6.359	6.359	(0.919)	59719	4.00000	4.1318
209 1,1'-Biphenyl	154	6.477	6.477	(0.936)	250928	4.00000	4.8995
70 2-Chloronaphthalene	162	6.493	6.493	(0.938)	167276	4.00000	3.9437
73 2-Nitroaniline	65	6.562	6.562	(0.948)	41246	4.00000	4.1530
76 Dimethylphthalate	163	6.701	6.701	(0.968)	186226	4.00000	4.3181
78 2,6-Dinitrotoluene	165	6.744	6.744	(0.975)	41581	4.00000	4.2770
79 Acenaphthylene	152	6.814	6.814	(0.985)	253377	4.00000	3.9612
81 3-Nitroaniline	138	6.872	6.872	(0.993)	50461	4.00000	4.4731
82 Acenaphthene	153	6.947	6.947	(1.004)	168167	4.00000	3.9647
83 2,4-Dinitrophenol	184	6.952	6.952	(1.005)	68051	10.0000	12.420
85 4-Nitrophenol	109	6.995	6.995	(1.011)	59648	10.0000	13.141
86 Dibenzofuran	168	7.081	7.081	(1.023)	251964	4.00000	4.1057
87 2,4-Dinitrotoluene	165	7.054	7.054	(1.019)	58835	4.00000	4.4606
91 2,3,5,6-Tetrachlorophenol	232	7.139	7.139	(1.032)	47424	4.00000	4.0771
88 2,3,4,6-Tetrachlorophenol	232	7.171	7.171	(1.036)	47192	4.00000	4.1459
92 2-Naphthylamine	143	7.193	7.193	(1.039)	69332	4.00000	3.1992
93 Diethylphthalate	149	7.241	7.241	(1.046)	195838	4.00000	4.3776
94 Fluorene	166	7.348	7.348	(1.062)	206099	4.00000	4.2900
95 4-Chlorophenyl-phenylether	204	7.342	7.342	(1.061)	99570	4.00000	4.2937
96 4-Nitroaniline	138	7.342	7.342	(1.061)	55608	4.00000	5.0760
98 4,6-Dinitro-2-methylphenol	198	7.374	7.374	(0.913)	100375	10.0000	10.762
99 N-Nitrosodiphenylamine (1)	169	7.428	7.428	(0.920)	139604	4.00000	3.7358
100 1,2-Diphenylhydrazine	77	7.460	7.460	(0.924)	187733	4.00000	3.5475
106 4-Bromophenyl-phenylether	248	7.722	7.722	(0.956)	57046	4.00000	3.5747
107 Hexachlorobenzene	284	7.780	7.780	(0.964)	57224	4.00000	3.6726
210 Atrazine	200	7.829	7.829	(0.970)	36833	4.00000	4.1819
111 Pentachlorophenol	266	7.925	7.925	(0.981)	101734	10.0000	9.5759
115 Phenanthrene	178	8.090	8.090	(1.002)	322739	4.00000	3.7677
116 Anthracene	178	8.128	8.128	(1.007)	330733	4.00000	3.8663
119 Carbazole	167	8.245	8.245	(1.021)	312008	4.00000	4.2583
120 Di-n-Butylphthalate	149	8.502	8.502	(1.053)	368848	4.00000	4.1739
123 Fluoranthene	202	9.014	9.014	(1.116)	364051	4.00000	4.2765
124 Benzidine	184	9.100	9.100	(0.897)	85361	4.00000	3.7227
125 Pyrene	202	9.196	9.196	(0.906)	382602	4.00000	3.4204
131 Butylbenzylphthalate	149	9.666	9.666	(0.953)	167830	4.00000	3.7077
135 3,3'-Dichlorobenzidine	252	10.099	10.099	(0.995)	125778	4.00000	4.0223
136 Benzo(a)Anthracene	228	10.136	10.136	(0.999)	373049	4.00000	3.8039

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
137 Chrysene	228	10.168	10.168	(1.002)	361827	4.00000	3.8460
139 bis(2-ethylhexyl)Phthalate	149	10.110	10.110	(0.996)	239231	4.00000	3.6696
140 Di-n-octylphthalate	149	10.671	10.671	(0.920)	427252	4.00000	3.5251
141 Benzo(b)fluoranthene	252	11.162	11.162	(0.962)	474827	4.00000	3.8599
142 Benzo(k)fluoranthene	252	11.189	11.189	(0.965)	421233	4.00000	3.5904
143 7,12-dimethylbenz[a]anthracen	256	11.146	11.146	(0.961)	177127	4.00000	3.6570
146 Benzo(a)pyrene	252	11.536	11.536	(0.994)	332946	4.00000	3.7208
149 Indeno(1,2,3-cd)pyrene	276	13.064	13.064	(1.126)	398585	4.00000	3.8453
150 Dibenz(a,h)anthracene	278	13.080	13.080	(1.128)	340403	4.00000	3.9402
151 Benzo(g,h,i)perylene	276	13.507	13.507	(1.164)	340908	4.00000	3.8963
$ 154 Nitrobenzene-d5	82	5.013	5.013	(0.900)	65316	4.00000	3.9338
$ 155 2-Fluorobiphenyl	172	6.397	6.397	(0.924)	175380	4.00000	3.8692
$ 156 Terphenyl-d14	244	9.298	9.298	(0.916)	228704	4.00000	3.4746
$ 157 Phenol-d5	99	4.324	4.324	(0.941)	67964	4.00000	4.1298
$ 158 2-Fluorophenol	112	3.571	3.571	(0.777)	49177	4.00000	4.1576
$ 159 2,4,6-Tribromophenol	330	7.529	7.529	(0.933)	21815	4.00000	3.4320
$ 186 2-Chlorophenol-d4	132	4.420	4.420	(0.962)	69308	4.00000	4.1459
$ 187 1,2-Dichlorobenzene-d4	152	4.719	4.719	(1.027)	50974	4.00000	4.1760

QC Flag Legend

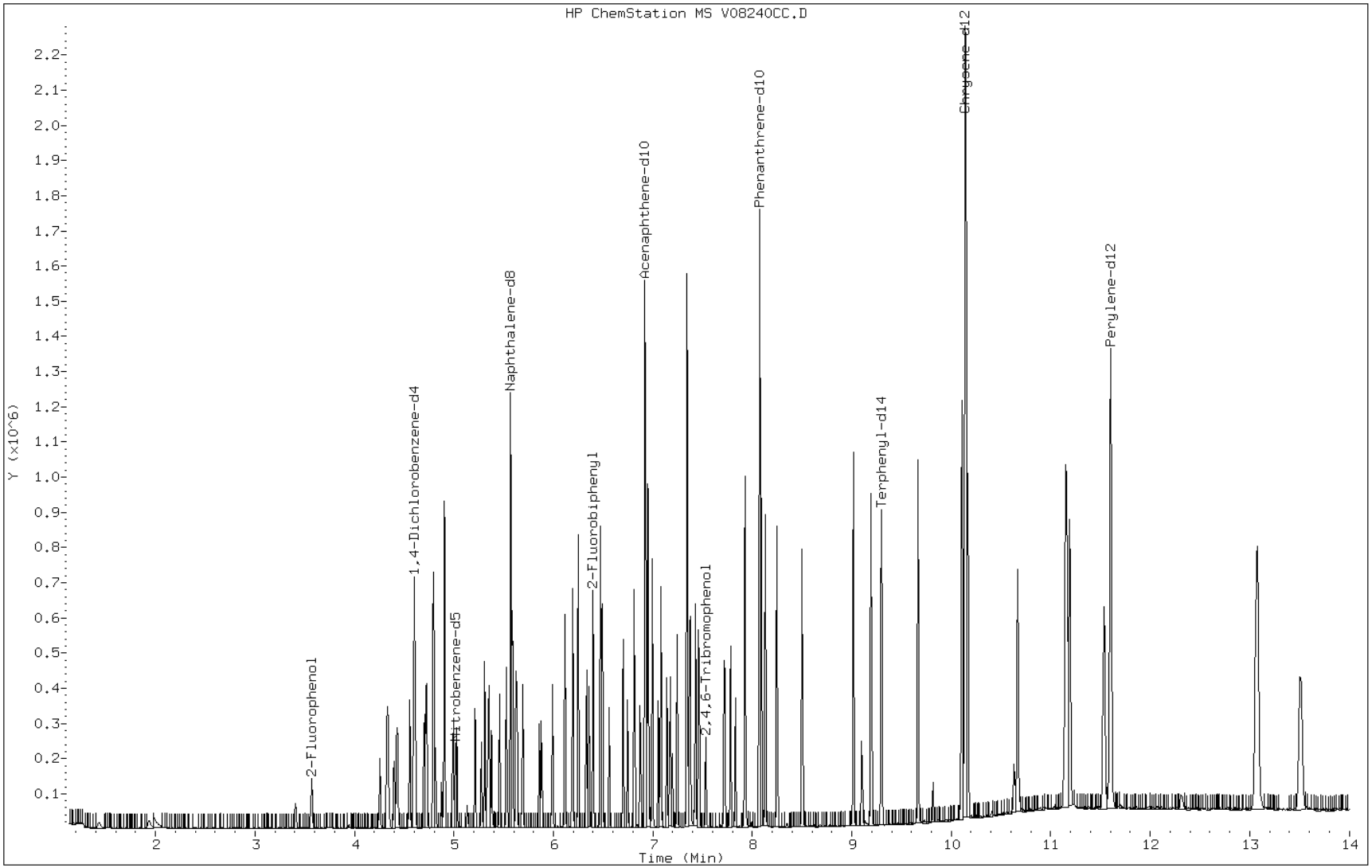
M - Compound response manually integrated.

Data File: V08240CC.D

Date: 24-AUG-2012 16:06

Client ID: Instrument: 731.i

Sample Info: CCVIS 526545 Operator: 003200



Manual Integration Report

Data File: V08240CC.D
Inj. Date and Time: 24-AUG-2012 16:06
Instrument ID: 731.i
Client ID:
Compound: 9 Pyridine
CAS #: 110-86-1
Report Date: 08/25/2012

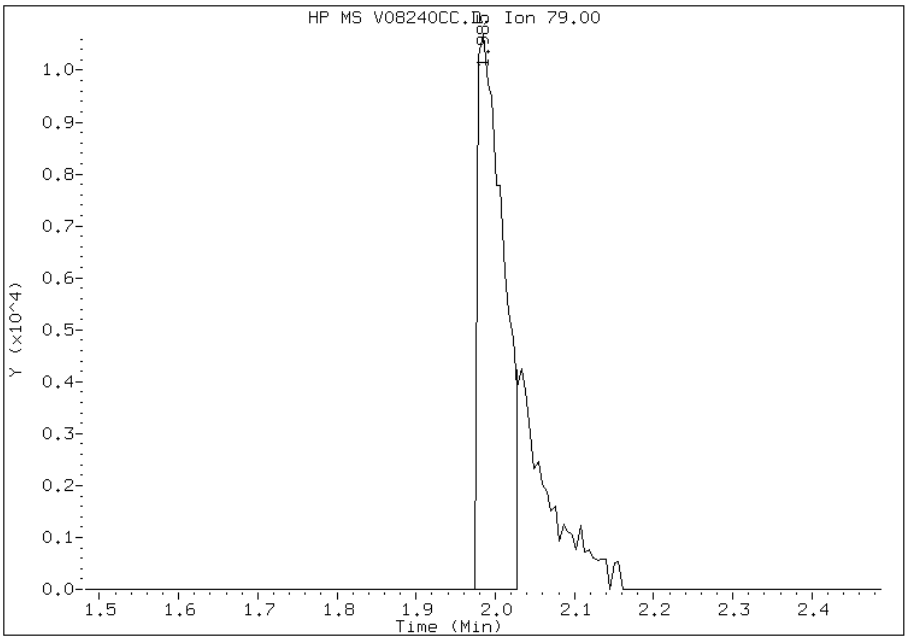
Processing Integration Results

RT: 1.98

Response: 24328

Amount: 3

Conc: 3



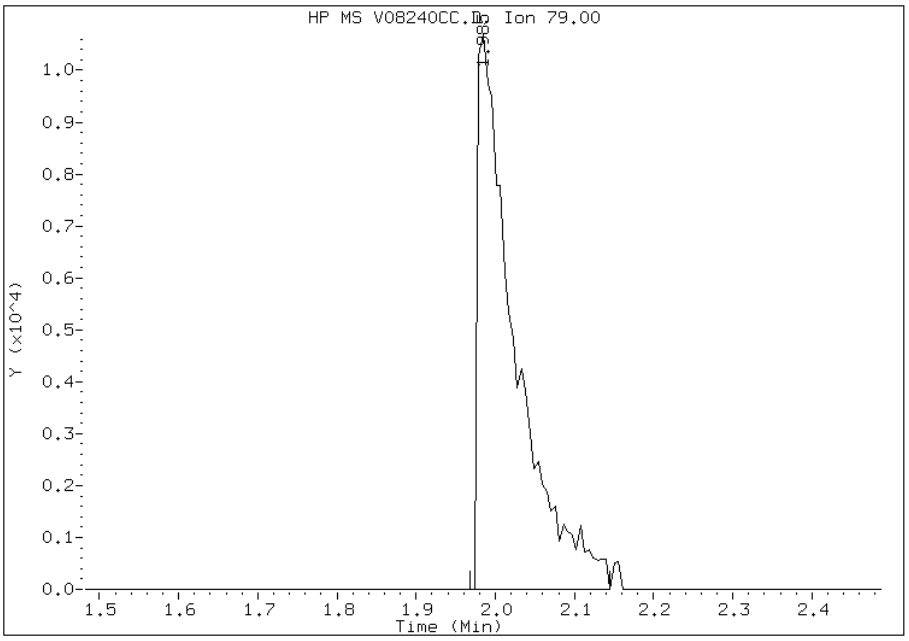
Manual Integration Results

RT: 1.98

Response: 34917

Amount: 5

Conc: 5



Manually Integrated By: piccolinov
Modification Date: 25-Aug-2012 10:01
Manual Integration Reason: Poor Chromatography

Manual Integration Report

Data File: V08240CC.D
Inj. Date and Time: 24-AUG-2012 16:06
Instrument ID: 731.i
Client ID:
Compound: 49 Benzoic Acid
CAS #: 65-85-0
Report Date: 08/25/2012

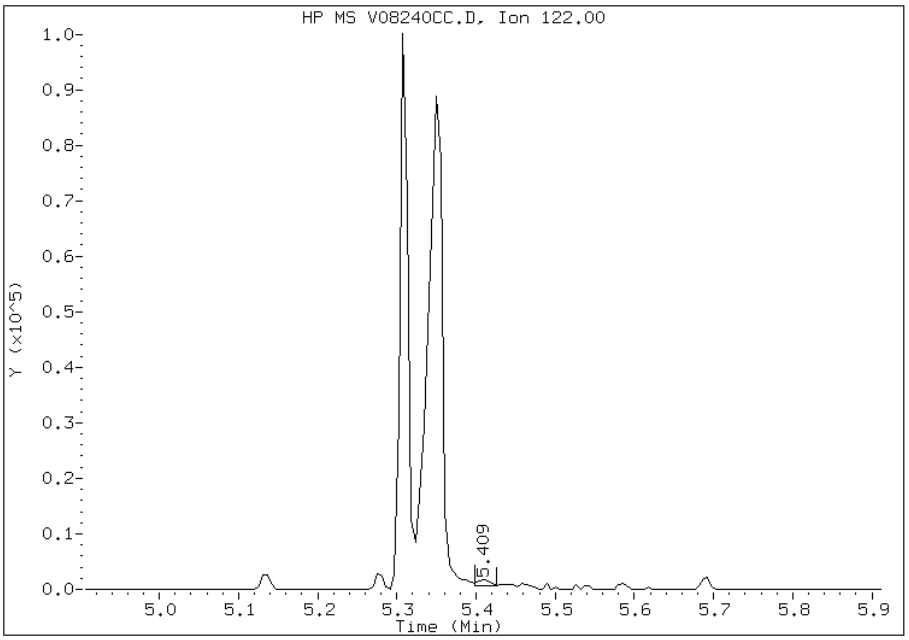
Processing Integration Results

RT: 5.41

Response: 1213

Amount: 0

Conc: 0



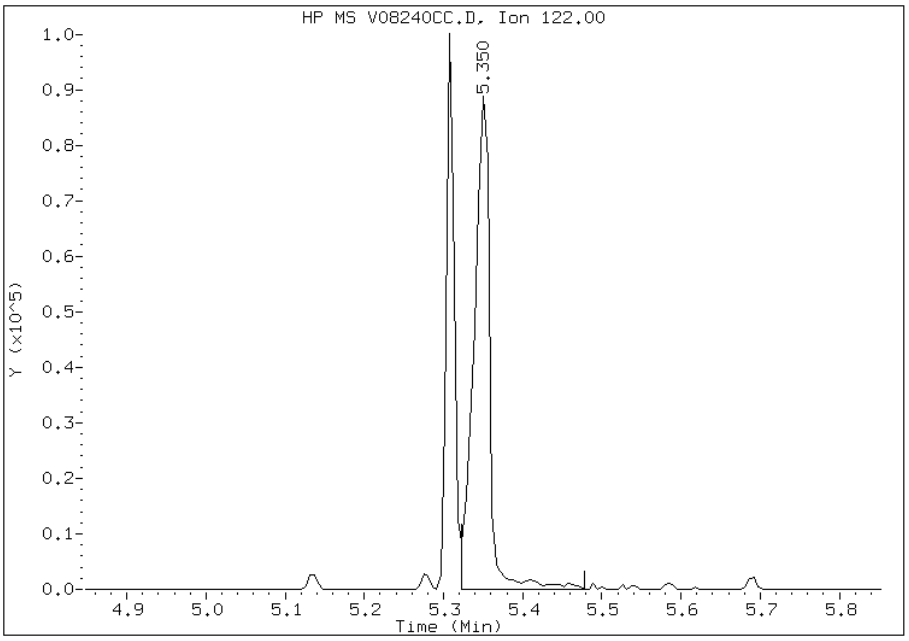
Manual Integration Results

RT: 5.35

Response: 121896

Amount: 11

Conc: 11



Manually Integrated By: piccolinov
Modification Date: 25-Aug-2012 10:01
Manual Integration Reason: Peak Not Found

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCVIS 180-46366/12 Calibration Date: 08/25/2012 14:27

Instrument ID: 731 Calib Start Date: 08/13/2012 09:53

GC Column: Rxi-5SilMS ID: 0.32(mm) Calib End Date: 08/13/2012 12:35

Lab File ID: V08250CC.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.2489	0.2771		2.23	2.00	11.3	50.0
N-Nitrosodimethylamine	Ave	0.3362	0.3745		2.23	2.00	11.4	50.0
Pyridine	Ave	0.5875	0.6609		2.25	2.00	12.5	50.0
Methyl methanesulfonate	Ave	0.4306	0.4252		1.98	2.00	-1.2	50.0
Benzaldehyde	Qua	0.5816	0.6804		2.01	2.00	0.3	50.0
Phenol	Ave	1.501	1.552		2.07	2.00	3.3	20.0
Aniline	Ave	1.495	1.458		1.95	2.00	-2.5	50.0
Bis(2-chloroethyl)ether	Ave	1.060	1.052		1.98	2.00	-0.8	25.0
2-Chlorophenol	Ave	1.328	1.355		2.04	2.00	2.0	25.0
1,3-Dichlorobenzene	Ave	1.574	1.585		2.01	2.00	0.7	50.0
1,4-Dichlorobenzene	Ave	1.636	1.633		2.00	2.00	-0.2	20.0
Benzyl alcohol	Ave	0.8172	0.7061			2.00	-13.6	50.0
1,2-Dichlorobenzene	Ave	1.569	1.590		2.03	2.00	1.3	50.0
2-Methylphenol	Ave	1.159	1.147		1.98	2.00	-1.0	25.0
Indene	Ave	2.155	2.215		2.06	2.00	2.8	50.0
2,2'-oxybis[1-chloropropane]	Ave	1.705	1.633		1.92	2.00	-4.2	50.0
N-Nitrosopyrrolidine	Ave	0.5460	0.5049		1.85	2.00	-7.5	50.0
Acetophenone	Qua	1.730	2.054		2.29	2.00	14.4	50.0
Methylphenol, 3 & 4	Ave	1.133	1.171		2.07	2.00	3.3	25.0
N-Nitrosodi-n-propylamine	Ave	0.7970	0.8035	0.0500	2.02	2.00	0.8	25.0
Hexachloroethane	Ave	0.6570	0.6346		1.93	2.00	-3.4	25.0
Nitrobenzene	Ave	0.2864	0.2930		2.05	2.00	2.3	25.0
Isophorone	Ave	0.4951	0.4820		1.95	2.00	-2.6	25.0
2-Nitrophenol	Ave	0.1816	0.1780		1.96	2.00	-2.0	20.0
2,4-Dimethylphenol	Ave	0.2935	0.2985		2.03	2.00	1.7	25.0
Benzoic acid	Ave	0.1851	0.1902			5.00	2.7	50.0
Bis(2-chloroethoxy)methane	Ave	0.3334	0.3224		1.93	2.00	-3.3	25.0
2,4-Dichlorophenol	Ave	0.2820	0.2861		2.03	2.00	1.5	20.0
1,2,4-Trichlorobenzene	Ave	0.3386	0.3439		2.03	2.00	1.6	25.0
Naphthalene	Ave	1.002	1.005		2.01	2.00	0.3	25.0
4-Chloroaniline	Ave	0.3858	0.3922		2.03	2.00	1.7	50.0
2,6-Dichlorophenol	Ave	0.2679	0.2760		2.06	2.00	3.0	50.0
Hexachlorobutadiene	Ave	0.1856	0.1856		2.00	2.00	0.0	20.0
Caprolactam	Ave	0.0798	0.0941			2.00	17.9	50.0
4-Chloro-3-methylphenol	Ave	0.2680	0.2551		1.90	2.00	-4.8	20.0
2-Methylnaphthalene	Ave	0.7126	0.6957		1.95	2.00	-2.4	25.0
1-Methylnaphthalene	Ave	0.6849	0.6651		1.94	2.00	-2.9	50.0
Hexachlorocyclopentadiene	Ave	0.3272	0.3338	0.0500	2.04	2.00	2.0	50.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5076	0.5425		2.14	2.00	6.9	50.0
2,4,6-Trichlorophenol	Ave	0.3671	0.3836		2.09	2.00	4.5	20.0
2,4,5-Trichlorophenol	Ave	0.3856	0.3810		1.98	2.00	-1.2	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCVIS 180-46366/12 Calibration Date: 08/25/2012 14:27

Instrument ID: 731 Calib Start Date: 08/13/2012 09:53

GC Column: Rxi-5SilMS ID: 0.32(mm) Calib End Date: 08/13/2012 12:35

Lab File ID: V08250CC.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1'-Biphenyl	Ave	1.366	1.701		2.49	2.00	24.5	50.0
2-Chloronaphthalene	Ave	1.132	1.149		2.03	2.00	1.6	25.0
2-Nitroaniline	Ave	0.2650	0.2572			2.00	-2.9	50.0
Dimethyl phthalate	Ave	1.151	1.139		1.98	2.00	-1.0	50.0
2,6-Dinitrotoluene	Ave	0.2594	0.2583		1.99	2.00	-0.4	25.0
Acenaphthylene	Ave	1.706	1.662		1.95	2.00	-2.6	25.0
3-Nitroaniline	Ave	0.3009	0.3023			2.00	0.4	50.0
Acenaphthene	Ave	1.132	1.098		1.94	2.00	-3.0	20.0
2,4-Dinitrophenol	Ave	0.1462	0.1593	0.0500		5.00	9.0	50.0
4-Nitrophenol	Ave	0.1211	0.1227	0.0500		5.00	1.3	50.0
2,4-Dinitrotoluene	Ave	0.3519	0.3553		2.02	2.00	1.0	25.0
Dibenzofuran	Ave	1.637	1.612		1.97	2.00	-1.5	25.0
2,3,5,6-Tetrachlorophenol	Ave	0.3103	0.3048		1.96	2.00	-1.8	50.0
2,3,4,6-Tetrachlorophenol	Ave	0.3037	0.3092		2.04	2.00	1.8	50.0
2-Naphthylamine	Qua	0.4449	0.3815			2.00	-32.3	50.0
Diethyl phthalate	Ave	1.193	1.169		1.96	2.00	-2.1	50.0
4-Chlorophenyl phenyl ether	Ave	0.6186	0.6350		2.05	2.00	2.6	25.0
4-Nitroaniline	Ave	0.2923	0.3020		2.07	2.00	3.3	50.0
Fluorene	Ave	1.282	1.318		2.06	2.00	2.8	25.0
4,6-Dinitro-2-methylphenol	Ave	0.1268	0.1329		5.24	5.00	4.8	50.0
N-Nitrosodiphenylamine	Ave	0.5082	0.4983		1.96	2.00	-1.9	20.0
1,2-Diphenylhydrazine(as Azobenzene)	Ave	0.7196	0.6677		1.86	2.00	-7.2	50.0
4-Bromophenyl phenyl ether	Ave	0.2170	0.1863		1.72	2.00	-14.2	25.0
Hexachlorobenzene	Ave	0.2119	0.2016		1.90	2.00	-4.9	25.0
Atrazine	Qua	0.1122	0.1175		1.98	2.00	-1.2	50.0
Pentachlorophenol	Ave	0.1445	0.1311		4.54	5.00	-9.3	20.0
Phenanthrene	Ave	1.165	1.089		1.87	2.00	-6.5	25.0
Anthracene	Ave	1.163	1.133		1.95	2.00	-2.6	25.0
Carbazole	Ave	0.996	0.9852		1.98	2.00	-1.1	50.0
Di-n-butyl phthalate	Ave	1.202	1.153		1.92	2.00	-4.0	50.0
Fluoranthene	Ave	1.158	1.140		1.97	2.00	-1.5	20.0
Benzidine	Qua	0.2675	0.1782			2.00	-30.4	50.0
Pyrene	Ave	1.311	1.274		1.94	2.00	-2.8	25.0
Butyl benzyl phthalate	Ave	0.5304	0.5104		1.92	2.00	-3.8	50.0
3,3'-Dichlorobenzidine	Ave	0.3664	0.3462		1.89	2.00	-5.5	50.0
Bis(2-ethylhexyl) phthalate	Ave	0.7639	0.7332			2.00	-4.0	50.0
Benzo[a]anthracene	Ave	1.149	1.120		1.95	2.00	-2.6	25.0
Chrysene	Ave	1.102	1.059		1.92	2.00	-3.9	25.0
Di-n-octyl phthalate	Ave	1.329	1.246			2.00	-6.3	20.0
7,12-Dimethylbenz(a)anthracene	Ave	0.5310	0.5008		1.89	2.00	-5.7	50.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCVIS 180-46366/12 Calibration Date: 08/25/2012 14:27

Instrument ID: 731 Calib Start Date: 08/13/2012 09:53

GC Column: Rxi-5SilMS ID: 0.32(mm) Calib End Date: 08/13/2012 12:35

Lab File ID: V08250CC.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[b]fluoranthene	Ave	1.349	1.167		1.73	2.00	-13.4	25.0
Benzo[k]fluoranthene	Ave	1.286	1.306		2.03	2.00	1.5	25.0
Benzo[a]pyrene	Ave	0.9810	0.9118		1.86	2.00	-7.0	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.136	1.055		1.86	2.00	-7.2	50.0
Dibenz(a,h)anthracene	Ave	0.9471	0.8810		1.86	2.00	-7.0	50.0
Benzo[g,h,i]perylene	Ave	0.9592	0.9032		1.88	2.00	-5.8	25.0
2-Fluorophenol	Ave	0.9200	0.9783		2.13	2.00	6.3	
Phenol-d5	Ave	1.280	1.294		2.02	2.00	1.1	
2-Chlorophenol-d4	Ave	1.300	1.317		2.03	2.00	1.3	
1,2-Dichlorobenzene-d4	Ave	0.9494	0.9733		2.05	2.00	2.5	
Nitrobenzene-d5	Ave	0.2834	0.2875		2.03	2.00	1.4	
2-Fluorobiphenyl	Ave	1.209	1.208		2.00	2.00	-0.1	
2,4,6-Tribromophenol	Ave	0.0864	0.0704		1.63	2.00	-18.6	
Terphenyl-d14	Ave	0.7713	0.7345		1.90	2.00	-4.8	

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV082512.b\V08250CC.D
Lab Smp Id: CCVIS 526545
Inj Date : 25-AUG-2012 14:27
Operator : 003200 Inst ID: 731.i
Smp Info : CCVIS 526545
Misc Info : TV082512.b,T8270ll.m,padepi.sub
Comment :
Method : \\PITSVR06\D\chem\731.i\TV082512.b\T8270ll.m
Meth Date : 27-Aug-2012 04:47 piccolinov Quant Type: ISTD
Cal Date : 13-AUG-2012 12:35 Cal File: V0813IC8.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	4.571	4.571	(1.000)	141472	8.00000	
* 2 Naphthalene-d8	136	5.544	5.544	(1.000)	618531	8.00000	
* 3 Acenaphthene-d10	164	6.895	6.895	(1.000)	377197	8.00000	
* 4 Phenanthrene-d10	188	8.044	8.044	(1.000)	652697	8.00000	
* 5 Chrysene-d12	240	10.100	10.100	(1.000)	604513	8.00000	
* 6 Perylene-d12	264	11.527	11.527	(1.000)	599310	8.00000	
198 1,4-Dioxane	88	1.430	1.430	(0.313)	19598	4.00000	4.4523
10 N-Nitrosodimethylamine	74	1.911	1.911	(0.418)	26489	4.00000	4.4555
9 Pyridine	79	1.954	1.954	(0.427)	46752	4.00000	4.5000
16 Methyl methanesulfonate	80	3.380	3.380	(0.739)	30080	4.00000	3.9504
206 Benzaldehyde	77	4.229	4.229	(0.925)	48129	4.00000	4.0123
21 Aniline	93	4.315	4.315	(0.944)	103128	4.00000	3.9004
22 Phenol	94	4.310	4.310	(0.943)	109762	4.00000	4.1338
23 bis(2-Chloroethyl)ether	93	4.374	4.374	(0.957)	74427	4.00000	3.9698
24 2-Chlorophenol	128	4.411	4.411	(0.965)	95832	4.00000	4.0804
26 1,3-Dichlorobenzene	146	4.529	4.529	(0.991)	112140	4.00000	4.0277
27 1,4-Dichlorobenzene	146	4.587	4.587	(1.004)	115519	4.00000	3.9918
28 1,2-Dichlorobenzene	146	4.700	4.700	(1.028)	112473	4.00000	4.0535
217 Indene	116	4.769	4.769	(1.043)	156673	4.00000	4.1103
29 Benzyl Alcohol	108	4.678	4.678	(1.023)	49947	4.00000	3.4561
30 2-Methylphenol	108	4.769	4.769	(1.043)	81159	4.00000	3.9604
31 2,2'-oxybis(1-Chloropropane)	45	4.785	4.785	(1.047)	115522	4.00000	3.8313
37 Acetophenone	105	4.876	4.876	(1.067)	145282	4.00000	4.5750
32 N-Nitroso-di-n-propylamine	70	4.881	4.881	(1.068)	56833	4.00000	4.0322
192 4-Methylphenol	108	4.881	4.881	(1.068)	82847	4.00000	4.1336
34 Hexachloroethane	117	4.961	4.961	(1.085)	44890	4.00000	3.8635
35 Nitrobenzene	77	5.004	5.004	(0.903)	90610	4.00000	4.0915
36 N-Nitrosopyrrolidine	100	4.849	4.849	(1.061)	35717	4.00000	3.6991

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
41 Isophorone	82	5.186	5.186	(0.935)	149058	4.00000	3.8942
42 2-Nitrophenol	139	5.250	5.250	(0.947)	55048	4.00000	3.9200
43 2,4-Dimethylphenol	107	5.287	5.287	(0.954)	92324	4.00000	4.0684
44 bis(2-Chloroethoxy)methane	93	5.357	5.357	(0.966)	99691	4.00000	3.8675
48 2,4-Dichlorophenol	162	5.437	5.437	(0.981)	88490	4.00000	4.0585
49 Benzoic Acid	122	5.335	5.335	(0.962)	147056	10.0000	10.273(M)
50 1,2,4-Trichlorobenzene	180	5.506	5.506	(0.993)	106350	4.00000	4.0628
51 Naphthalene	128	5.560	5.560	(1.003)	310694	4.00000	4.0104
52 4-Chloroaniline	127	5.597	5.597	(1.010)	121285	4.00000	4.0662
54 2,6-Dichlorophenol	162	5.608	5.608	(1.012)	85354	4.00000	4.1212
56 Hexachlorobutadiene	225	5.666	5.666	(1.022)	57402	4.00000	4.0004
208 Caprolactam	113	5.837	5.837	(1.053)	29110	4.00000	4.7173
59 4-Chloro-3-Methylphenol	107	5.966	5.966	(1.076)	78879	4.00000	3.8072
62 2-Methylnaphthalene	142	6.094	6.094	(1.099)	215149	4.00000	3.9049
63 1-Methylnaphthalene	142	6.169	6.169	(1.113)	205677	4.00000	3.8843
64 Hexachlorocyclopentadiene	237	6.222	6.222	(0.902)	62944	4.00000	4.0800
65 1,2,4,5-Tetrachlorobenzene	216	6.227	6.227	(0.903)	102312	4.00000	4.2745
66 2,4,6-Trichlorophenol	196	6.308	6.308	(0.915)	72353	4.00000	4.1797
67 2,4,5-Trichlorophenol	196	6.334	6.334	(0.919)	71850	4.00000	3.9521
209 1,1'-Biphenyl	154	6.452	6.452	(0.936)	320851	4.00000	4.9806
70 2-Chloronaphthalene	162	6.468	6.468	(0.938)	216784	4.00000	4.0632
73 2-Nitroaniline	65	6.537	6.537	(0.948)	48499	4.00000	3.8822
76 Dimethylphthalate	163	6.676	6.676	(0.968)	214825	4.00000	3.9601
78 2,6-Dinitrotoluene	165	6.719	6.719	(0.974)	48705	4.00000	3.9828
79 Acenaphthylene	152	6.788	6.788	(0.985)	313529	4.00000	3.8968
81 3-Nitroaniline	138	6.852	6.852	(0.994)	57009	4.00000	4.0176
82 Acenaphthene	153	6.922	6.922	(1.004)	207074	4.00000	3.8812
83 2,4-Dinitrophenol	184	6.933	6.933	(1.005)	75102	10.0000	10.897
85 4-Nitrophenol	109	6.970	6.970	(1.011)	57830	10.0000	10.129
86 Dibenzofuran	168	7.055	7.055	(1.023)	304093	4.00000	3.9394
87 2,4-Dinitrotoluene	165	7.029	7.029	(1.019)	67013	4.00000	4.0392
91 2,3,5,6-Tetrachlorophenol	232	7.114	7.114	(1.032)	57487	4.00000	3.9291
88 2,3,4,6-Tetrachlorophenol	232	7.146	7.146	(1.036)	58317	4.00000	4.0730
92 2-Naphthylamine	143	7.168	7.168	(1.040)	71949	4.00000	2.7082
93 Diethylphthalate	149	7.216	7.216	(1.046)	220391	4.00000	3.9166
94 Fluorene	166	7.317	7.317	(1.061)	248506	4.00000	4.1123
95 4-Chlorophenyl-phenylether	204	7.317	7.317	(1.061)	119762	4.00000	4.1058
96 4-Nitroaniline	138	7.317	7.317	(1.061)	56964	4.00000	4.1338
98 4,6-Dinitro-2-methylphenol	198	7.349	7.349	(0.914)	108421	10.0000	10.478
99 N-Nitrosodiphenylamine (1)	169	7.403	7.403	(0.920)	162614	4.00000	3.9223
100 1,2-Diphenylhydrazine	77	7.435	7.435	(0.924)	217908	4.00000	3.7115
106 4-Bromophenyl-phenylether	248	7.691	7.691	(0.956)	60790	4.00000	3.4335
107 Hexachlorobenzene	284	7.755	7.755	(0.964)	65785	4.00000	3.8055
210 Atrazine	200	7.803	7.803	(0.970)	38356	4.00000	3.9526
111 Pentachlorophenol	266	7.899	7.899	(0.982)	106958	10.0000	9.0745
115 Phenanthrene	178	8.065	8.065	(1.003)	355417	4.00000	3.7399
116 Anthracene	178	8.102	8.102	(1.007)	369727	4.00000	3.8958
119 Carbazole	167	8.220	8.220	(1.022)	321521	4.00000	3.9553
120 Di-n-Butylphthalate	149	8.471	8.471	(1.053)	376440	4.00000	3.8396
123 Fluoranthene	202	8.984	8.984	(1.117)	372100	4.00000	3.9398
124 Benzidine	184	9.075	9.075	(0.898)	53862	4.00000	2.7834
125 Pyrene	202	9.166	9.166	(0.907)	385114	4.00000	3.8881
131 Butylbenzylphthalate	149	9.630	9.630	(0.953)	154257	4.00000	3.8486
135 3,3'-Dichlorobenzidine	252	10.058	10.058	(0.996)	104637	4.00000	3.7790

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
136 Benzo(a)Anthracene	228	10.090	10.090	(0.999)	338381	4.00000	3.8966
137 Chrysene	228	10.122	10.122	(1.002)	320230	4.00000	3.8441
139 bis(2-ethylhexyl)Phthalate	149	10.063	10.063	(0.996)	221614	4.00000	3.8390
140 Di-n-octylphthalate	149	10.608	10.608	(0.920)	373246	4.00000	3.7498
141 Benzo(b)fluoranthene	252	11.094	11.094	(0.962)	349809	4.00000	3.4625
142 Benzo(k)fluoranthene	252	11.121	11.121	(0.965)	391289	4.00000	4.0611
143 7,12-dimethylbenz[a]anthracen	256	11.078	11.078	(0.961)	150065	4.00000	3.7726
146 Benzo(a)pyrene	252	11.463	11.463	(0.994)	273232	4.00000	3.7181
149 Indeno(1,2,3-cd)pyrene	276	12.964	12.964	(1.125)	316147	4.00000	3.7138
150 Dibenz(a,h)anthracene	278	12.975	12.975	(1.126)	263980	4.00000	3.7207
151 Benzo(g,h,i)perylene	276	13.397	13.397	(1.162)	270656	4.00000	3.7667
$ 154 Nitrobenzene-d5	82	4.988	4.988	(0.900)	88900	4.00000	4.0570
$ 155 2-Fluorobiphenyl	172	6.372	6.372	(0.924)	227772	4.00000	3.9950
$ 156 Terphenyl-d14	244	9.267	9.267	(0.917)	222005	4.00000	3.8091
$ 157 Phenol-d5	99	4.299	4.299	(0.940)	91532	4.00000	4.0437
$ 158 2-Fluorophenol	112	3.546	3.546	(0.776)	69204	4.00000	4.2537
$ 159 2,4,6-Tribromophenol	330	7.504	7.504	(0.933)	22969	4.00000	3.2571
$ 186 2-Chlorophenol-d4	132	4.395	4.395	(0.961)	93160	4.00000	4.0515
$ 187 1,2-Dichlorobenzene-d4	152	4.689	4.689	(1.026)	68844	4.00000	4.1004

QC Flag Legend

M - Compound response manually integrated.

Data File: V08250CC.D

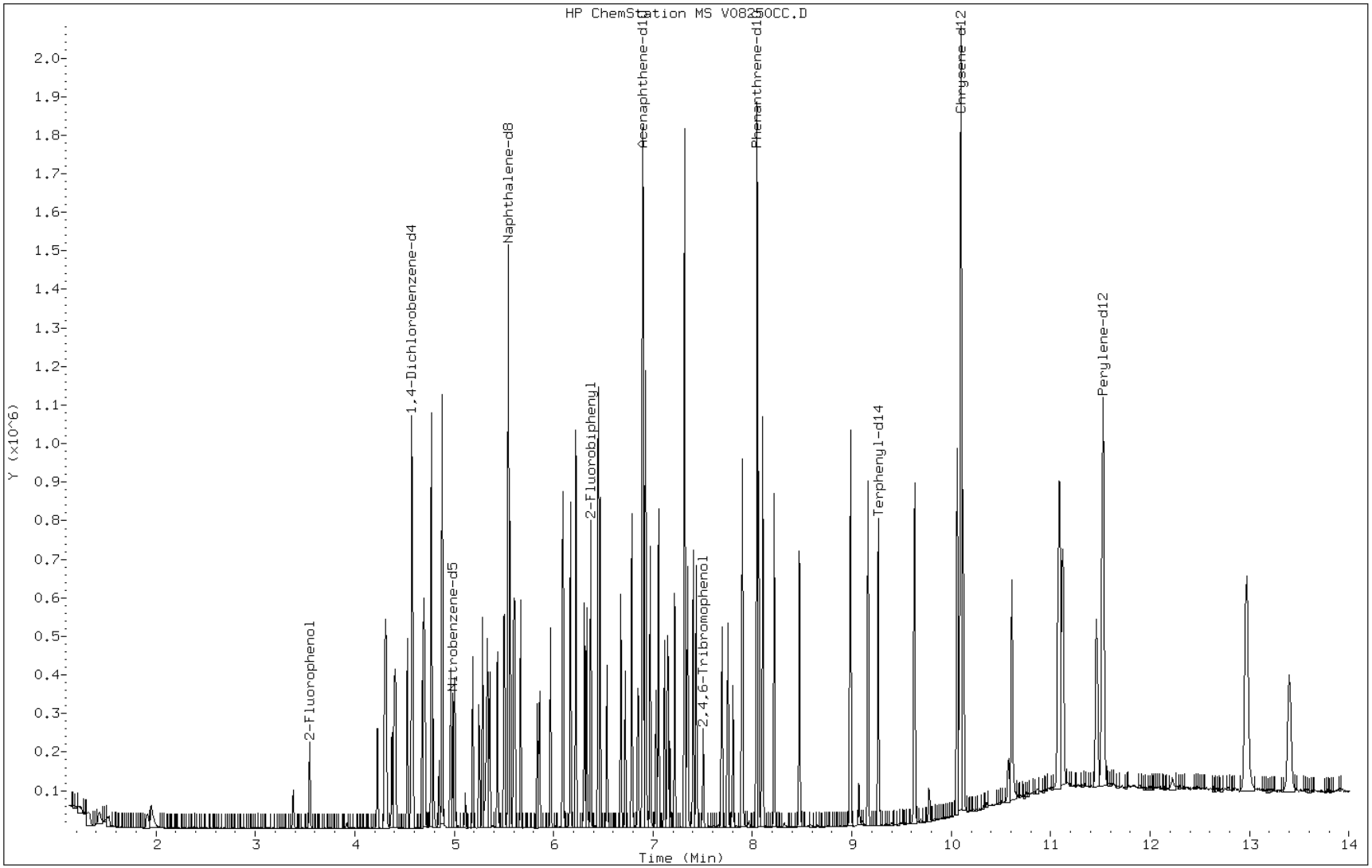
Date: 25-AUG-2012 14:27

Client ID:

Instrument: 731.i

Sample Info: CCVIS 526545

Operator: 003200



Manual Integration Report

Data File: V08250CC.D
Inj. Date and Time: 25-AUG-2012 14:27
Instrument ID: 731.i
Client ID:
Compound: 49 Benzoic Acid
CAS #: 65-85-0
Report Date: 08/27/2012

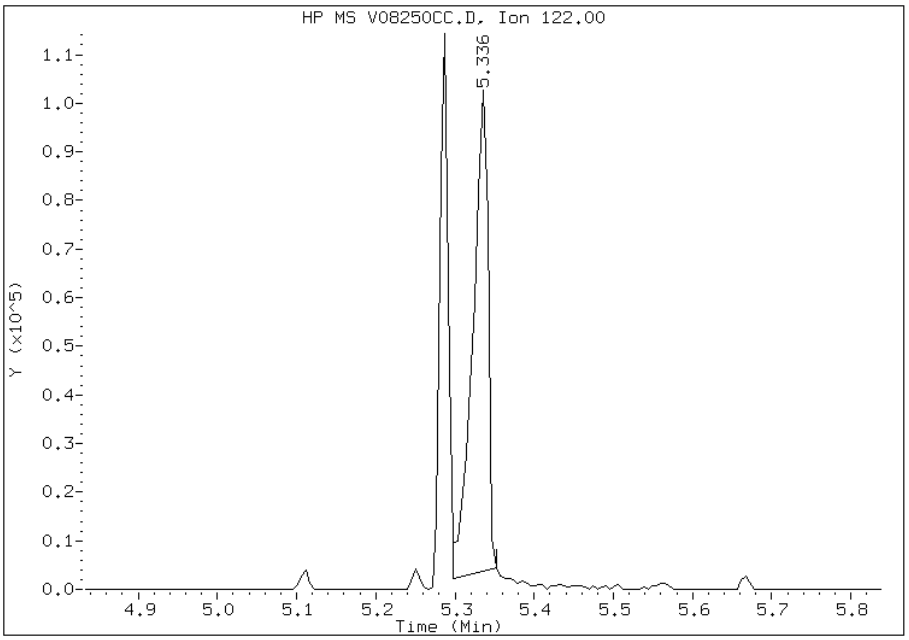
Processing Integration Results

RT: 5.34

Response: 129608

Amount: 9

Conc: 9



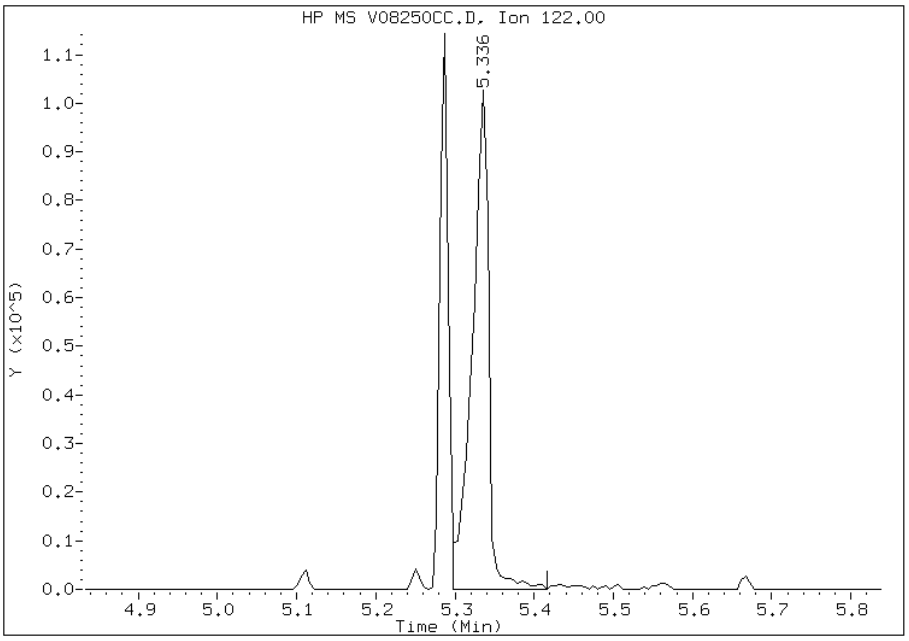
Manual Integration Results

RT: 5.34

Response: 147056

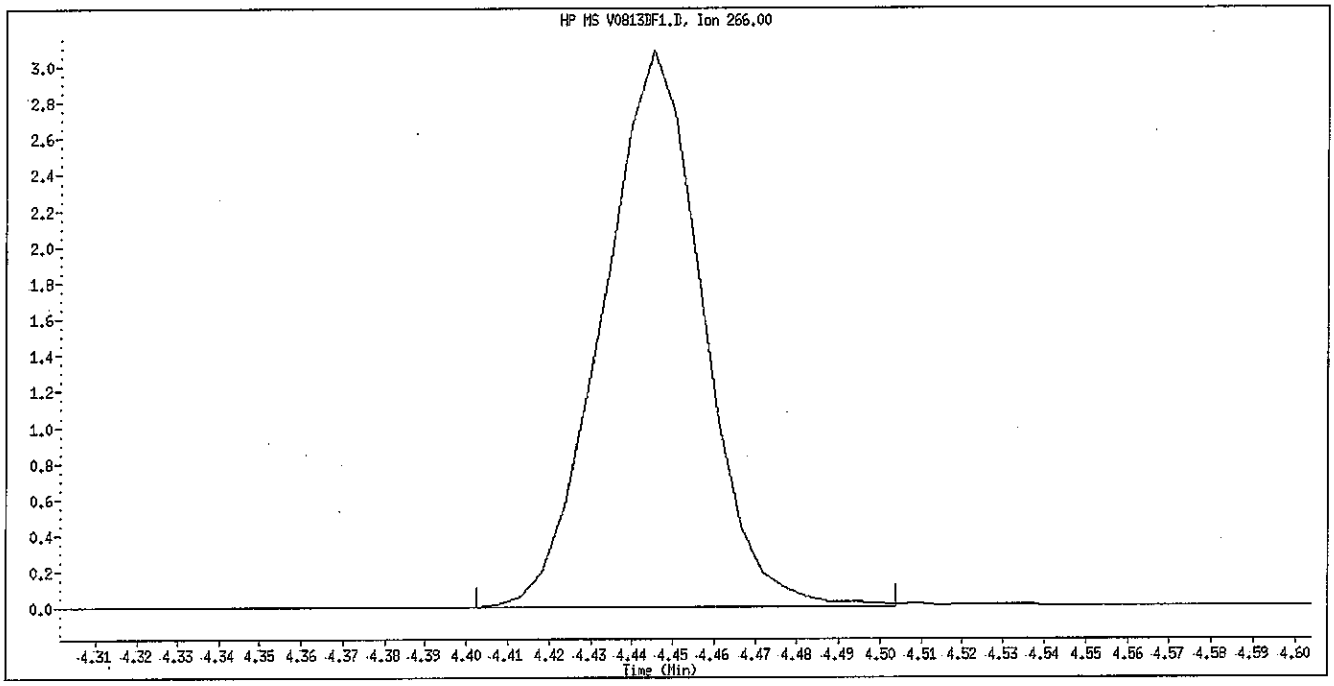
Amount: 10

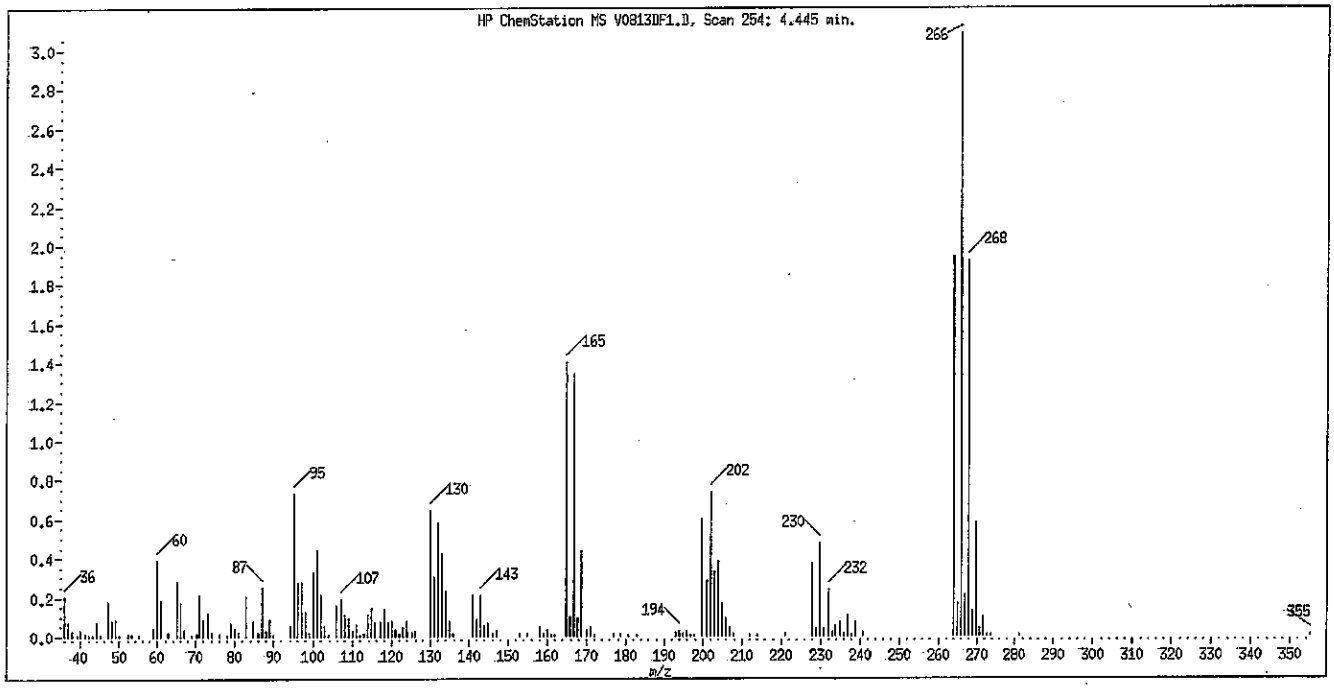
Conc: 10



Manually Integrated By: piccolinov
Modification Date: 27-Aug-2012 04:47
Manual Integration Reason: Poor Chromatography

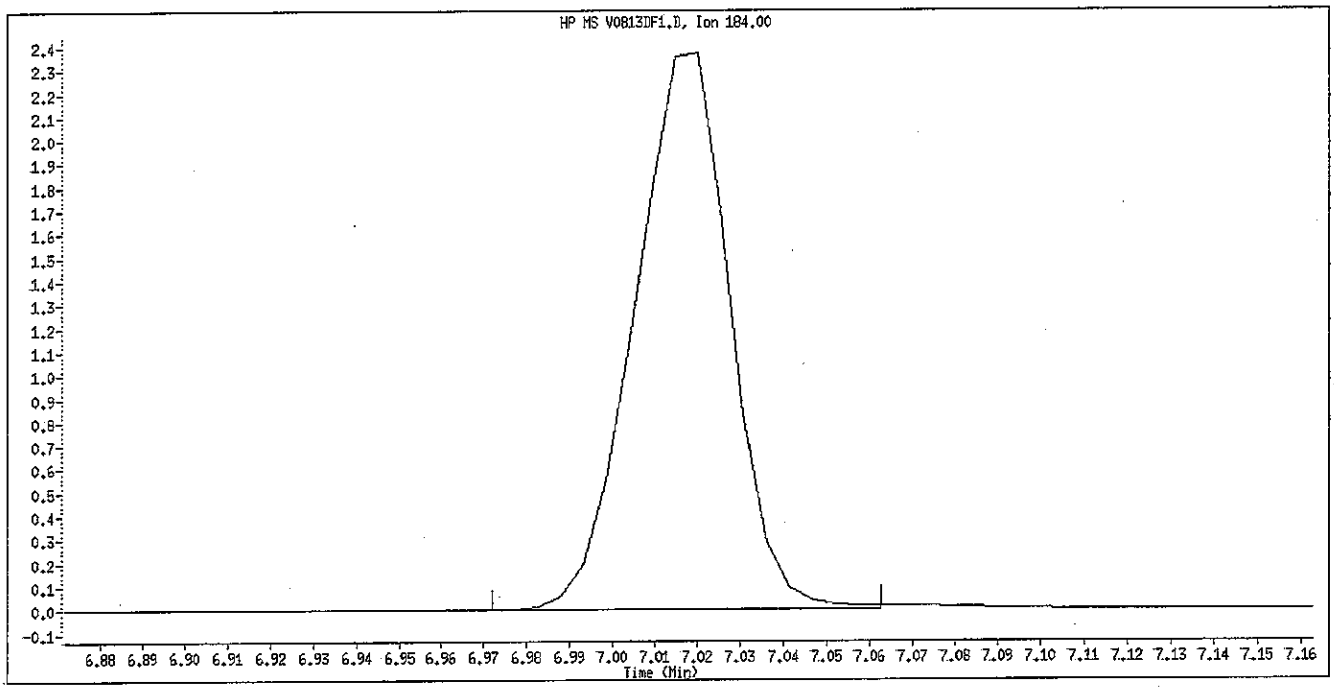
Data File: V0813DF1.D
Inj Date: 13-AUG-2012 09:36
Instrument ID: 731.i
Compound Name: Pentachlorophenol
Operator Name: 003200
Report Date: 08/13/2012 TAILING FACTOR

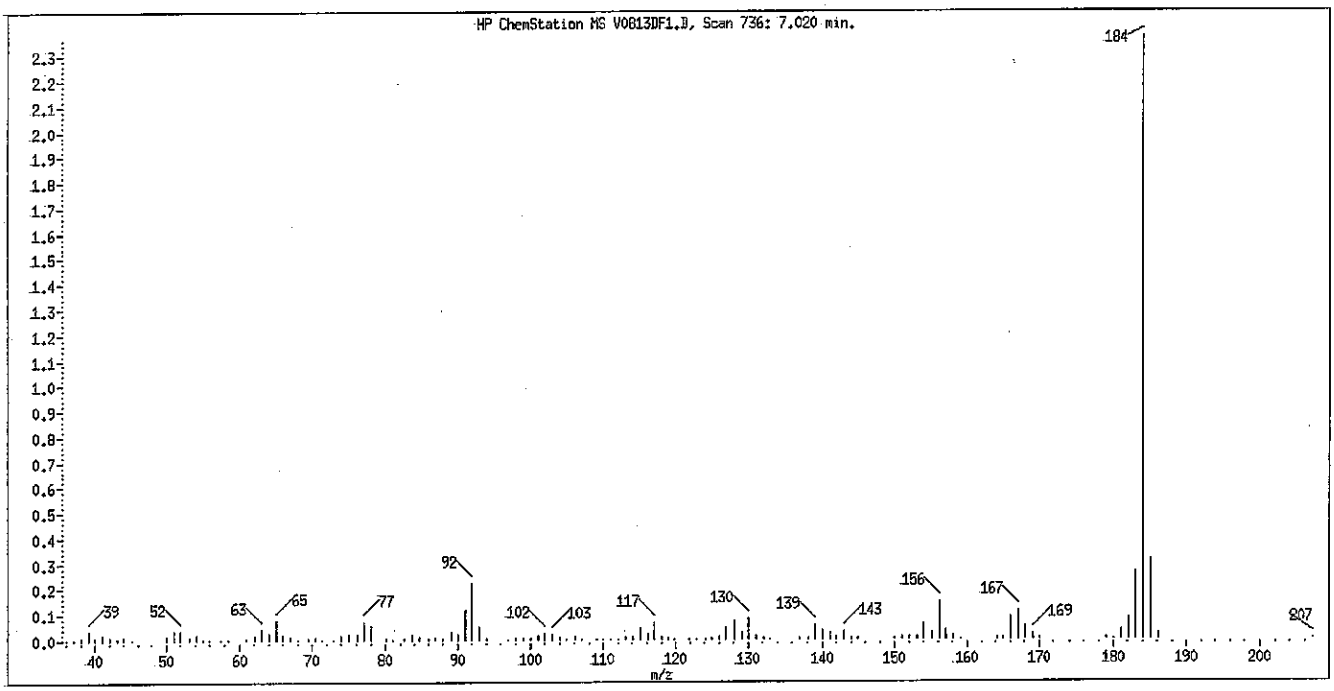




Tailing Factor = 0.973 Good
Acceptance Criteria 0 - 5
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 4.419963 T2 = 4.445017 T3 = 4.469392

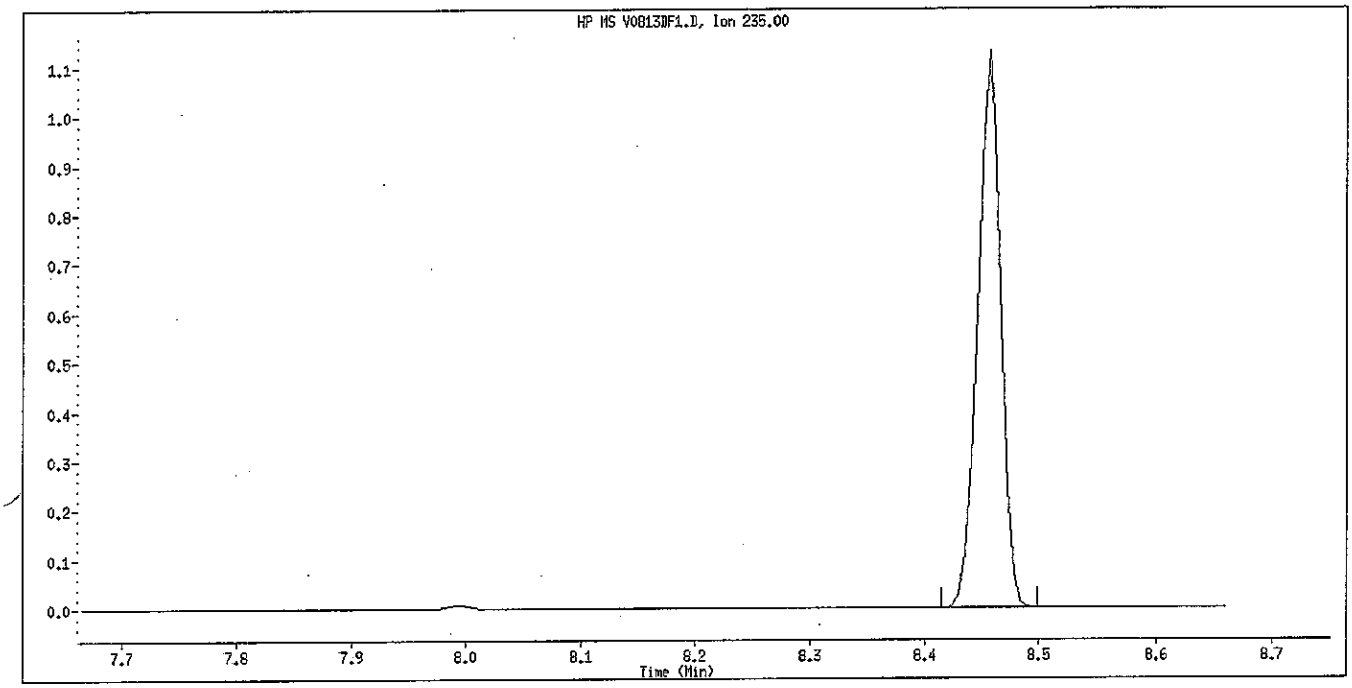
Data File: V0813DF1.D
Inj Date: 13-AUG-2012 09:36
Instrument ID: 731.i
Compound Name: Benzidine
Operator Name: 003200
Report Date: 08/13/2012 TAILING FACTOR





Tailing Factor = 0.669 Good
Acceptance Criteria 0 - 3
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 6.993904 T2 = 7.019933 T3 = 7.037343

Data File: V0813DF1.D
Inj Date: 13-AUG-2012 09:36
Instrument ID: 731.i
Compound Name: 4,4'-DDT
Operator Name: 003200
Report Date: 08/13/2012 DEGRADATION REPORT



Degradation = 0.115% Good
Acceptance Criteria 0 - 20 %
DDT Area = 1603655
DDE Area = 1841
DDD Area = 0

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\731.i\TV081312.b\V0813DF1.D
Lab Smp Id: DFTPP 426783 Client Smp ID: DFTPP050
Inj Date : 13-AUG-2012 09:36
Operator : 003200 Inst ID: 731.i
Smp Info : DFTPP 426783
Misc Info : TV081312.b,Tsw846tun.m
Comment :
Method : \\PITSVR06\D\chem\731.i\TV081312.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: PITSVR06

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

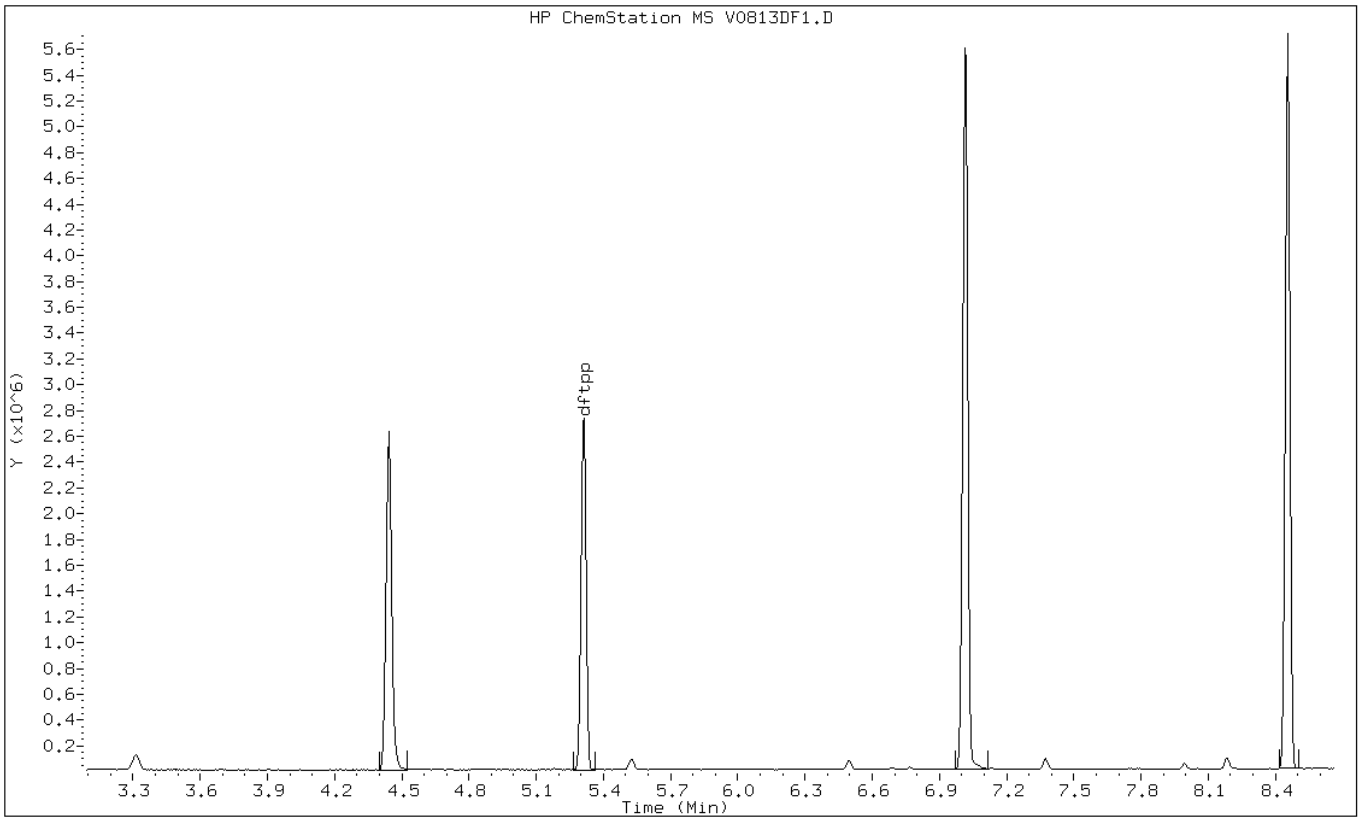
RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ng)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
5.315	4.960	(0.000)	198	313216			0.00- 100.00	100.00
5.315	4.960	(0.000)	51	118608			30.00- 60.00	37.87
5.315	4.960	(0.000)	68	586			0.00- 2.00	0.46
5.315	4.960	(0.000)	69	126528			0.00- 0.00	40.40
5.315	4.960	(0.000)	70	690			0.00- 2.00	0.55
5.315	4.960	(0.000)	127	148736			40.00- 60.00	47.49
5.315	4.960	(0.000)	197	0	0.0	0.0	0.00- 1.00	0.00
5.315	4.960	(0.000)	199	21216			5.00- 9.00	6.77
5.315	4.960	(0.000)	275	68088			10.00- 30.00	21.74
5.315	4.960	(0.000)	365	6670			1.00- 0.00	2.13
5.315	4.960	(0.000)	441	29656			0.01- 99.99	70.37
5.315	4.960	(0.000)	442	212288			40.00- 99.00	67.78
5.315	4.960	(0.000)	443	42144			17.00- 23.00	19.85

Data File: V0813DF1.D

Date: 13-AUG-2012 09:36

Client ID: DFTPP050 Instrument: 731.i

Sample Info: DFTPP 426783 Operator: 003200



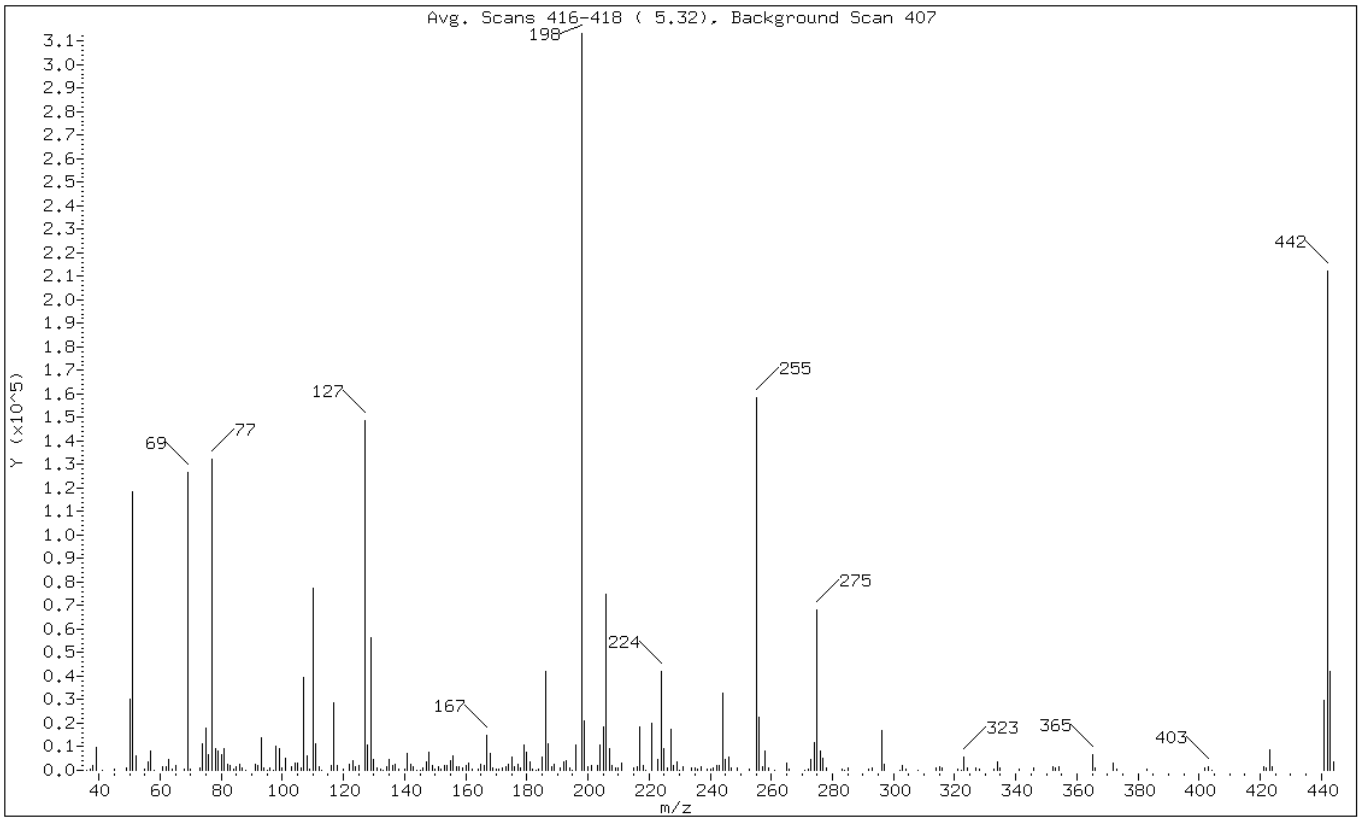
Data File: V0813DF1.D

Date: 13-AUG-2012 09:36

Client ID: DFTPP050 Instrument: 731.i

Sample Info: DFTPP 426783 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	37.87
68	Less than 2.00% of mass 69	0.19 (0.46)
69	Mass 69 relative abundance	40.40
70	Less than 2.00% of mass 69	0.22 (0.55)
127	40.00 - 60.00% of mass 198	47.49
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.77
275	10.00 - 30.00% of mass 198	21.74
365	Greater than 1.00% of mass 198	2.13
441	Present, but less than mass 443	9.47
442	40.00 - 99.00% of mass 198	67.78
443	17.00 - 23.00% of mass 442	13.46 (19.85)

Data File: V0813DF1.D

Date: 13-AUG-2012 09:36

Client ID: DFTPP050 Instrument: 731.i

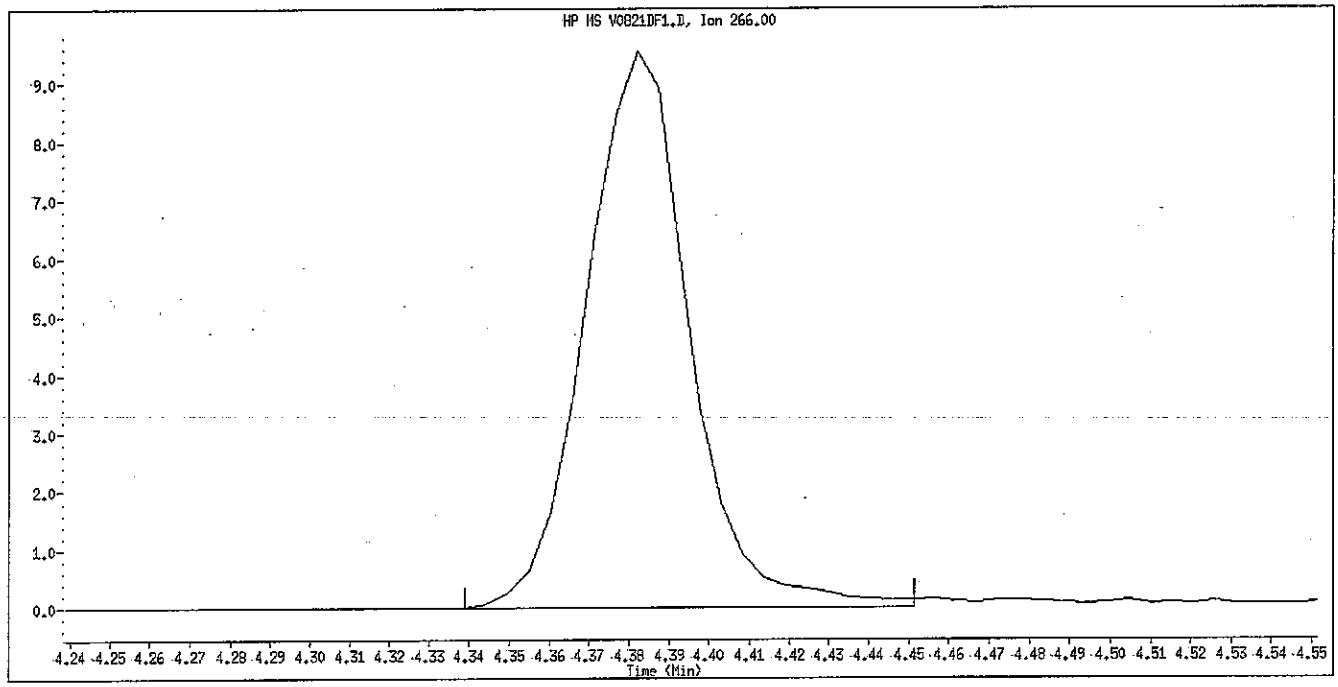
Sample Info: DFTPP 426783 Operator: 003200

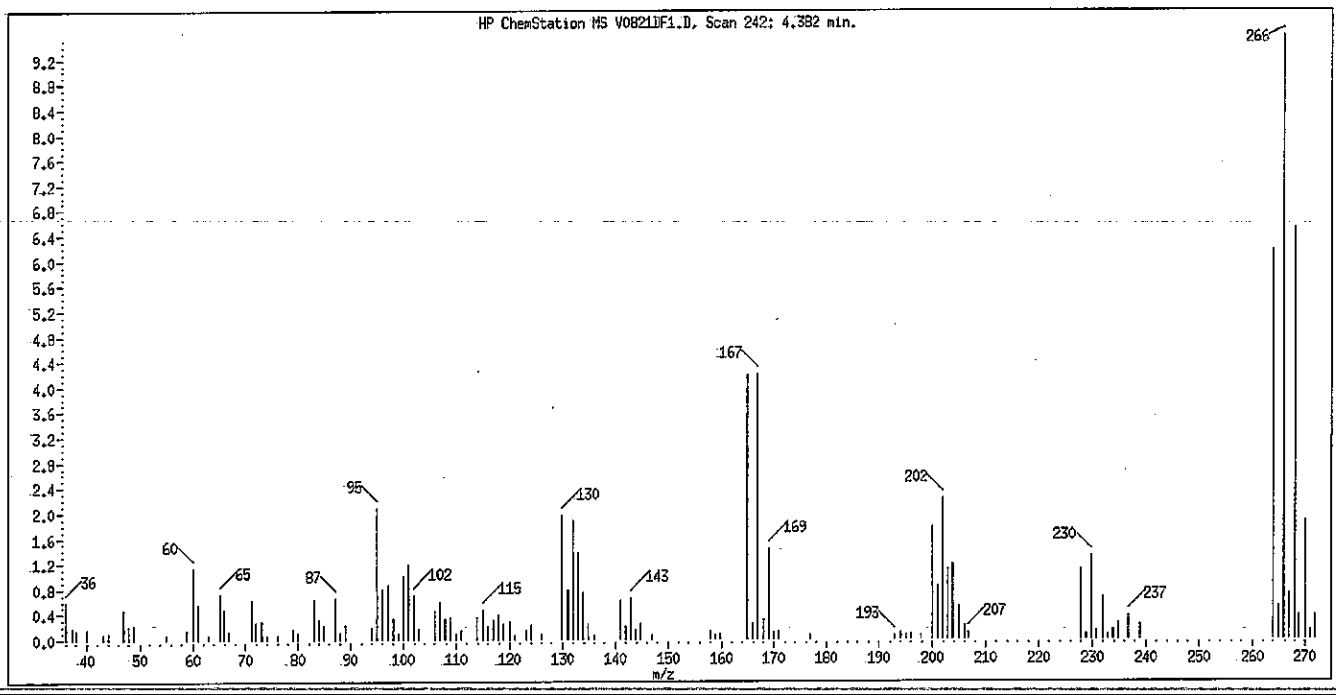
Data File: \\PITSVR06\D\chem\731.i\TV081312.b\V0813DF1.D
Spectrum: Avg. Scans 416-418 (5.32), Background Scan 407
Location of Maximum: 198.00
Number of points: 238

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	140	116.00	2104	181.00	3401	257.00	1754
37.00	481	117.00	28744	182.00	531	258.00	8222
38.00	1801	118.00	2302	183.00	210	259.00	1258
39.00	9926	120.00	407	184.00	752	261.00	180
41.00	139	122.00	2664	185.00	5397	265.00	3038
45.00	641	123.00	3846	186.00	41984	266.00	716
49.00	950	124.00	1658	187.00	11058	271.00	174
50.00	30488	125.00	1798	188.00	1443	272.00	440
51.00	118608	127.00	148736	189.00	2524	273.00	4645
52.00	6086	128.00	10955	191.00	1057	274.00	11872
55.00	329	129.00	56224	192.00	3598	275.00	68088
56.00	3632	130.00	4771	193.00	3945	276.00	8381
57.00	8266	131.00	919	194.00	881	277.00	5072
58.00	171	132.00	419	195.00	172	278.00	1038
61.00	1628	133.00	179	196.00	10989	283.00	415
62.00	1600	134.00	1771	198.00	313216	284.00	173
63.00	4602	135.00	4482	199.00	21216	285.00	1040
64.00	588	136.00	1869	200.00	1596	292.00	355
65.00	2281	137.00	2679	201.00	2058	293.00	1151
68.00	586	138.00	672	203.00	1841	296.00	16792
69.00	126528	140.00	663	204.00	10875	297.00	2764
70.00	690	141.00	7037	205.00	18440	302.00	230
73.00	1214	142.00	2608	206.00	75096	303.00	2062
74.00	11418	143.00	1554	207.00	9211	304.00	297
75.00	18128	144.00	234	208.00	2286	308.00	175
76.00	6453	145.00	191	209.00	907	314.00	852
77.00	132480	146.00	1149	210.00	1106	315.00	1694
78.00	9410	147.00	3581	211.00	3045	316.00	1180
79.00	8199	148.00	7813	215.00	791	321.00	460
80.00	6423	149.00	1891	216.00	1352	322.00	207
81.00	8971	150.00	391	217.00	18656	323.00	5710
82.00	2404	151.00	1308	218.00	2152	324.00	1098
83.00	2252	152.00	533	219.00	172	327.00	1064
84.00	641	153.00	2131	221.00	19792	328.00	581
85.00	1706	154.00	1886	223.00	4503	333.00	276
86.00	2393	155.00	3950	224.00	41912	334.00	3420
87.00	1008	156.00	5896	225.00	9450	335.00	973
88.00	190	157.00	1459	226.00	1190	341.00	607
91.00	2356	158.00	1408	227.00	17200	346.00	1172
92.00	2197	159.00	1043	228.00	2248	352.00	1450

93.00	13700	160.00	2239	229.00	3616	353.00	927
94.00	1253	161.00	3307	230.00	170	354.00	1577
95.00	169	162.00	766	231.00	1367	365.00	6670
96.00	805	164.00	668	234.00	1060	366.00	875
97.00	217	165.00	2793	235.00	938	372.00	2831
98.00	10445	166.00	2099	236.00	765	373.00	728
99.00	9134	167.00	14948	237.00	1508	383.00	481
100.00	823	168.00	6974	239.00	422	402.00	1057
101.00	4903	169.00	1084	240.00	397	403.00	1382
103.00	1667	170.00	449	241.00	1006	404.00	172
104.00	3129	171.00	505	242.00	1964	421.00	1357
105.00	2870	172.00	1268	243.00	2196	422.00	1197
106.00	872	173.00	1540	244.00	32656	423.00	8872
107.00	39592	174.00	2814	245.00	4609	424.00	1777
108.00	6242	175.00	5450	246.00	5637	441.00	29656
109.00	267	176.00	1698	247.00	1173	442.00	212288
110.00	77544	177.00	2819	249.00	940	443.00	42144
111.00	11389	178.00	878	253.00	638	444.00	3465
112.00	1431	179.00	10606	255.00	158464		
113.00	182	180.00	7531	256.00	22696		

Data File: V0821DF1.D
Inj Date: 21-AUG-2012 14:46
Instrument ID: 731.i
Compound Name: Pentachlorophenol
Operator Name: 003200
Report Date: 08/22/2012 TAILING FACTOR

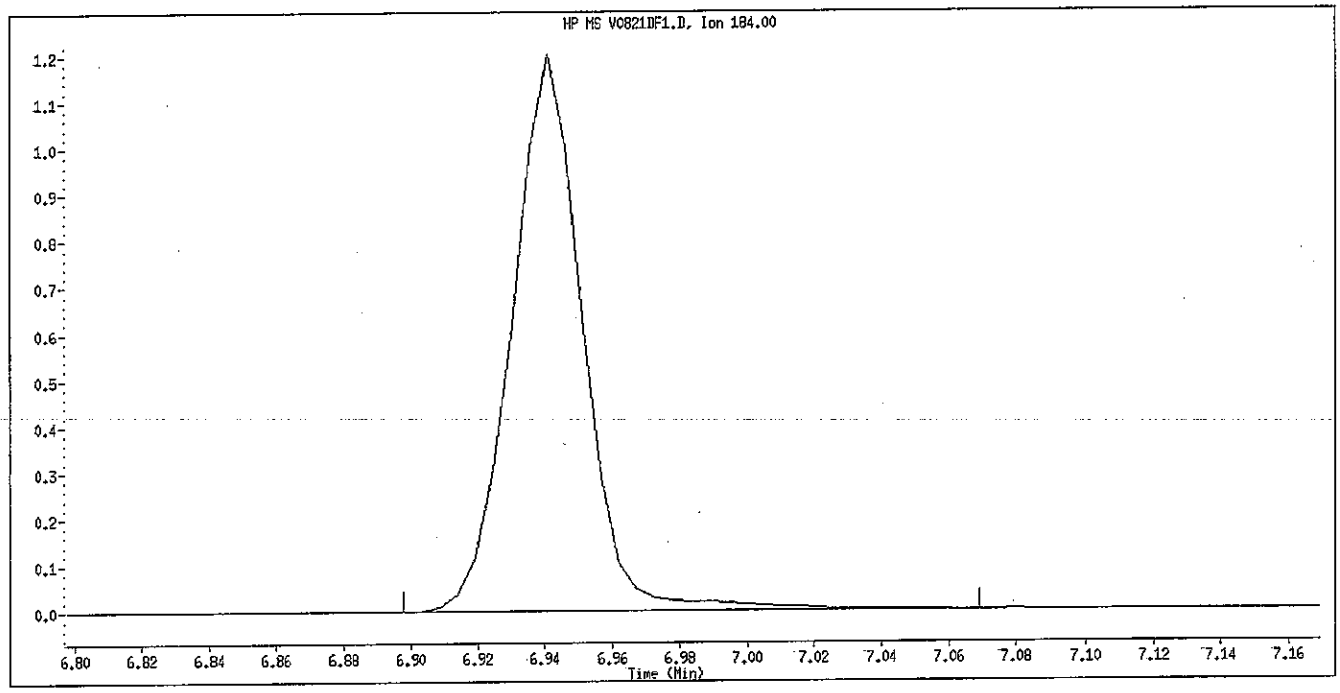


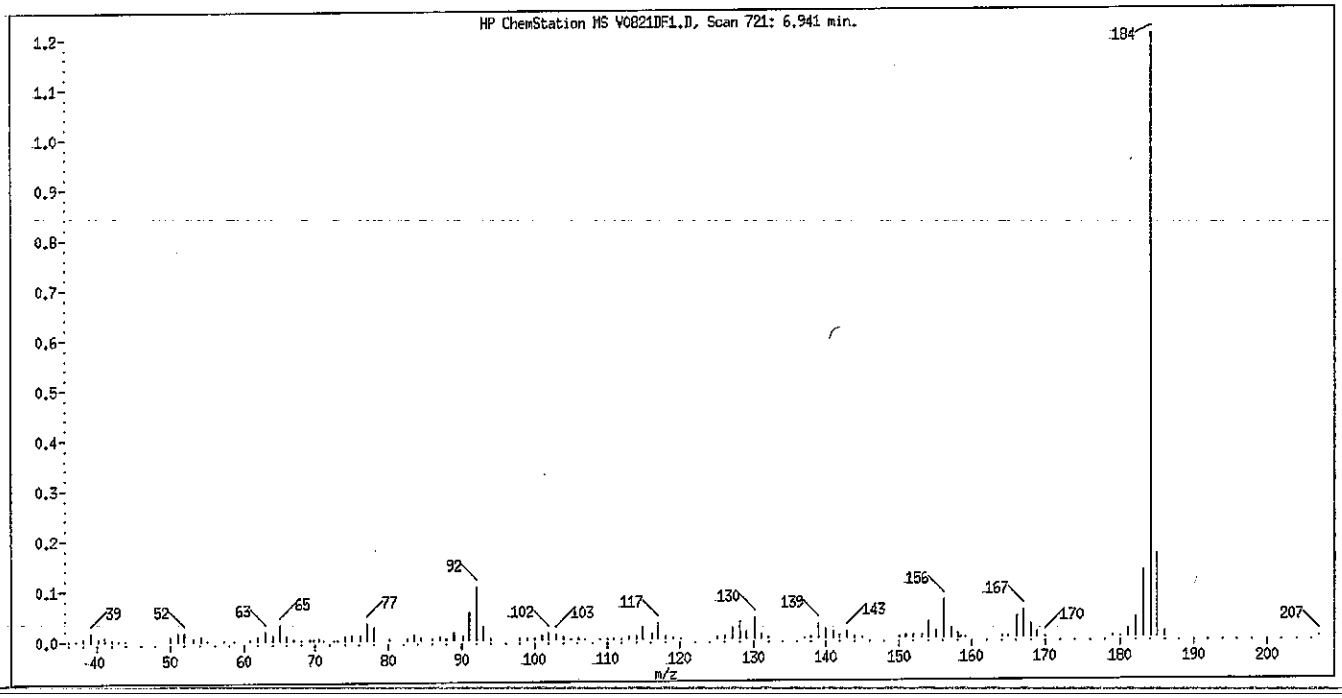


Tailing Factor = 1.05 Good
Acceptance Criteria 0 - 5
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 4.35668 T2 = 4.381783 T3 = 4.408214

Data File: V0821DF1.D
Inj Date: 21-AUG-2012 14:46
Instrument ID: 731.i
Compound Name: Benzidine
Operator Name: 003200
Report Date: 08/22/2012

TAILING FACTOR

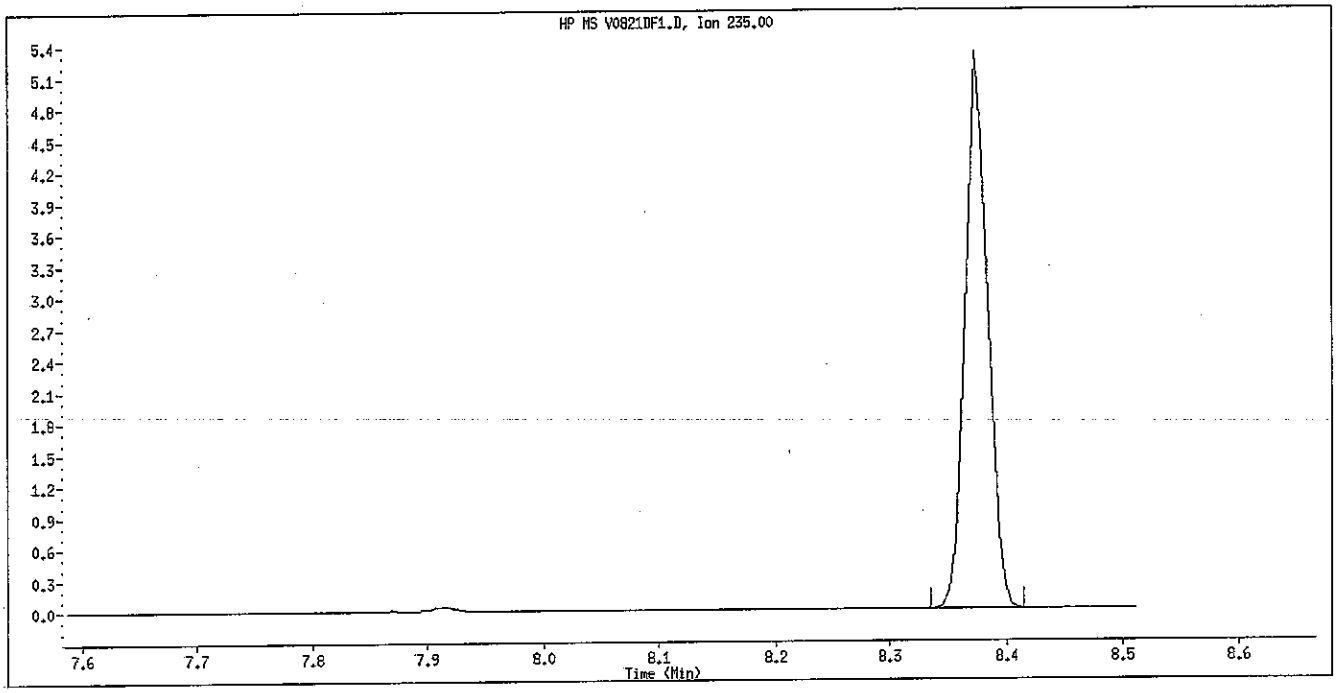




Tailing Factor = 0.982 Good
Acceptance Criteria 0 - 3
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 6.91939 T2 = 6.940667 T3 = 6.961551

Data File: V0821DF1.D
Inj Date: 21-AUG-2012 14:46
Instrument ID: 731.i
Compound Name: 4,4'-DDT
Operator Name: 003200
Report Date: 08/22/2012

DEGRADATION REPORT



Degradation = 0.0618% Good
Acceptance Criteria 0 - 20 %
DDT Area = 708511
DDE Area = 438
DDD Area = 0

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\731.i\TV082112.b\V0821DF1.D
Lab Smp Id: DFTPP 514390 Client Smp ID: DFTPP050
Inj Date : 21-AUG-2012 14:46
Operator : 003200 Inst ID: 731.i
Smp Info : DFTPP 514390
Misc Info : TV082112.b,Tsw846tun.m
Comment :
Method : \\PITSVR06\D\chem\731.i\TV082112.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

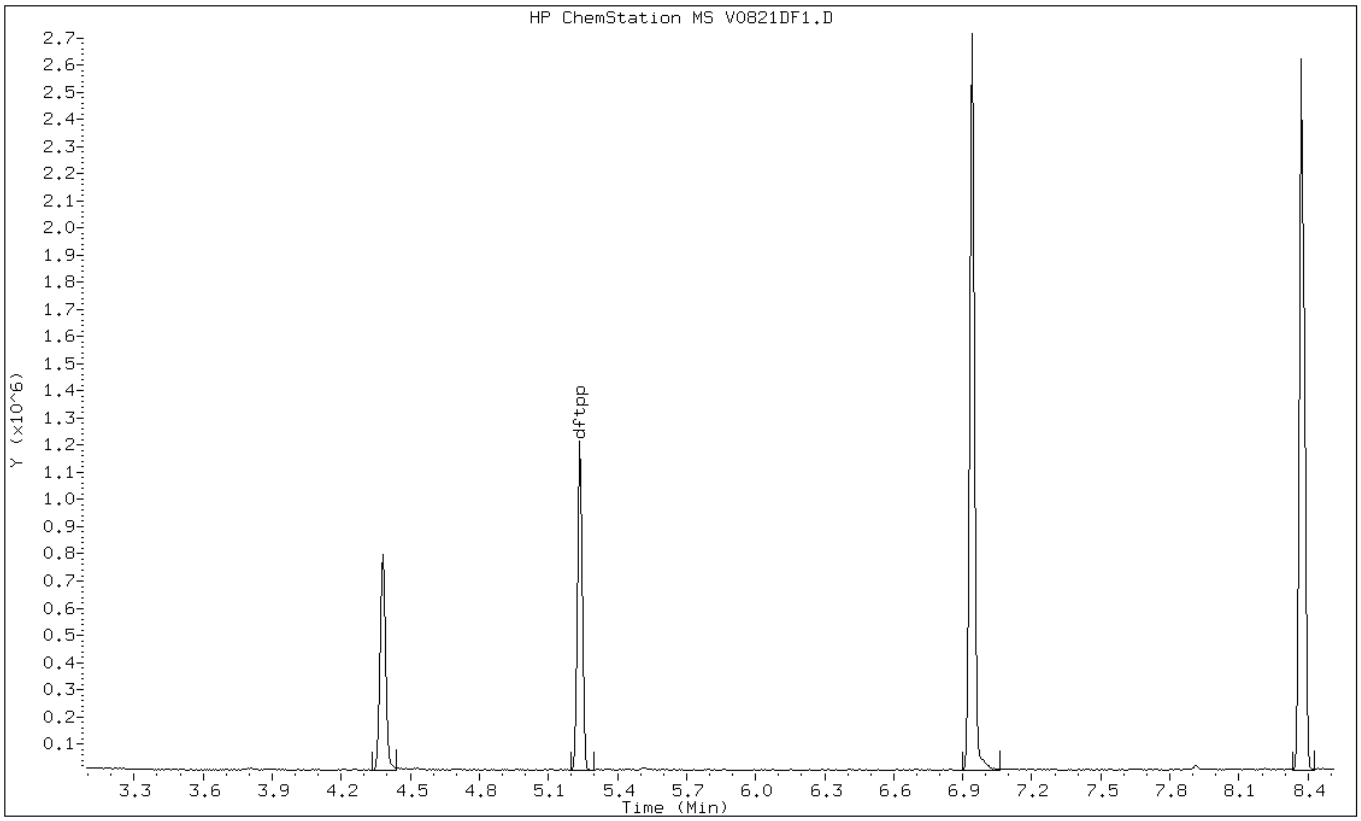
RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ng)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
5.236	4.960	(0.000)	198	139200			0.00- 100.00	100.00
5.236	4.960	(0.000)	51	50504			30.00- 60.00	36.28
5.236	4.960	(0.000)	68	0	0.0	0.0	0.00- 2.00	0.00
5.236	4.960	(0.000)	69	52800			0.00- 0.00	37.93
5.236	4.960	(0.000)	70	0	0.0	0.0	0.00- 2.00	0.00
5.236	4.960	(0.000)	127	65360			40.00- 60.00	46.95
5.236	4.960	(0.000)	197	0	0.0	0.0	0.00- 1.00	0.00
5.236	4.960	(0.000)	199	9130			5.00- 9.00	6.56
5.236	4.960	(0.000)	275	28368			10.00- 30.00	20.38
5.236	4.960	(0.000)	365	2673			1.00- 0.00	1.92
5.236	4.960	(0.000)	441	12392			0.01- 99.99	73.10
5.236	4.960	(0.000)	442	86304			40.00- 99.00	62.00
5.236	4.960	(0.000)	443	16952			17.00- 23.00	19.64

Data File: V0821DF1.D

Date: 21-AUG-2012 14:46

Client ID: DFTPP050 Instrument: 731.i

Sample Info: DFTPP 514390 Operator: 003200



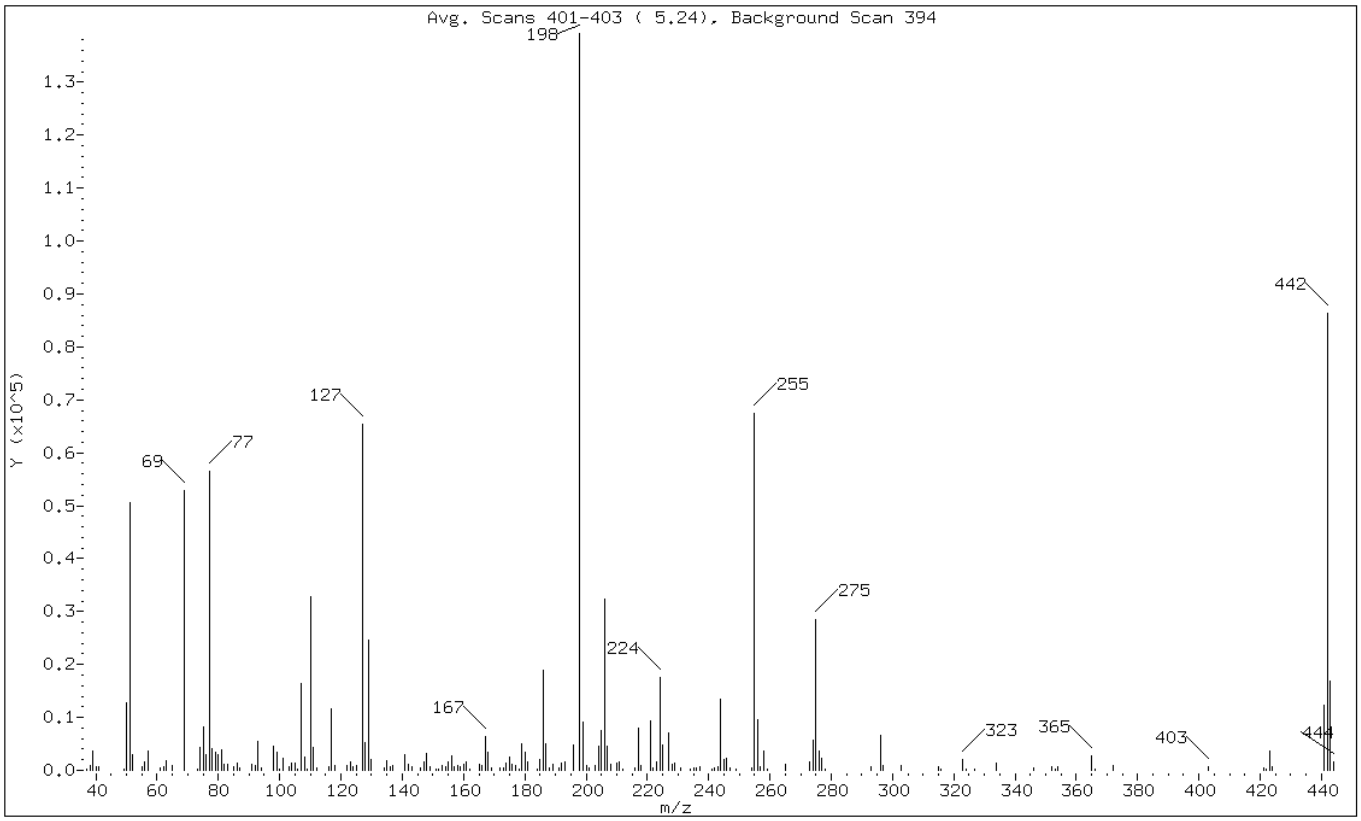
Data File: V0821DF1.D

Date: 21-AUG-2012 14:46

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	36.28
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	37.93
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	46.95
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.56
275	10.00 - 30.00% of mass 198	20.38
365	Greater than 1.00% of mass 198	1.92
441	Present, but less than mass 443	8.90
442	40.00 - 99.00% of mass 198	62.00
443	17.00 - 23.00% of mass 442	12.18 (19.64)

Data File: V0821DF1.D

Date: 21-AUG-2012 14:46

Client ID: DFTPP050 Instrument: 731.i

Sample Info: DFTPP 514390 Operator: 003200

Data File: \\PITSVR06\D\chem\731.i\TV082112.b\V0821DF1.D
Spectrum: Avg. Scans 401-403 (5.24), Background Scan 394
Location of Maximum: 198.00
Number of points: 184

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	187	111.00	4374	178.00	178	245.00	2037
38.00	1023	112.00	545	179.00	5091	246.00	2231
39.00	3677	116.00	620	180.00	3324	247.00	460
40.00	683	117.00	11531	181.00	1507	249.00	198
41.00	771	118.00	987	184.00	203	254.00	460
49.00	180	122.00	971	185.00	2162	255.00	67472
50.00	12684	123.00	1650	186.00	19016	256.00	9505
51.00	50504	124.00	793	187.00	5081	257.00	719
52.00	2888	125.00	900	188.00	559	258.00	3682
55.00	758	127.00	65360	189.00	1132	259.00	253
56.00	1650	128.00	5272	191.00	473	265.00	1194
57.00	3581	129.00	24504	192.00	1333	273.00	1698
61.00	403	130.00	1975	193.00	1541	274.00	5638
62.00	761	134.00	540	196.00	4800	275.00	28368
63.00	1927	135.00	1857	198.00	139200	276.00	3610
65.00	969	136.00	724	199.00	9130	277.00	2241
69.00	52800	137.00	961	200.00	803	278.00	216
73.00	235	141.00	3042	201.00	562	293.00	734
74.00	4302	142.00	1130	203.00	829	296.00	6637
75.00	8220	143.00	705	204.00	4523	297.00	833
76.00	2892	146.00	528	205.00	7508	303.00	862
77.00	56400	147.00	1596	206.00	32248	315.00	732
78.00	3988	148.00	3180	207.00	4599	316.00	191
79.00	3455	149.00	723	208.00	1127	323.00	2090
80.00	2984	151.00	210	210.00	1458	324.00	186
81.00	3815	152.00	219	211.00	1491	327.00	199
82.00	1160	153.00	907	212.00	190	334.00	1409
83.00	1109	154.00	683	216.00	545	346.00	420
85.00	693	155.00	1661	217.00	7877	352.00	751
86.00	1265	156.00	2738	218.00	965	353.00	237
87.00	407	157.00	704	221.00	9431	354.00	696
91.00	1222	158.00	1001	222.00	497	365.00	2673
92.00	940	159.00	653	223.00	1698	366.00	180
93.00	5419	160.00	1075	224.00	17584	372.00	982
94.00	371	161.00	1487	225.00	4690	403.00	661
98.00	4477	162.00	222	227.00	6986	421.00	556
99.00	3340	165.00	1140	228.00	1095	422.00	209
100.00	182	166.00	1003	229.00	1296	423.00	3641
101.00	2229	167.00	6484	231.00	428	424.00	595
103.00	647	168.00	3503	234.00	201	441.00	12392

104.00	1364	169.00	402	235.00	424	442.00	86304
105.00	1325	172.00	375	236.00	406	443.00	16952
106.00	196	173.00	478	237.00	589	444.00	1628
107.00	16480	174.00	1367	241.00	255		
108.00	2546	175.00	2530	242.00	553		
109.00	184	176.00	1136	243.00	667		
110.00	32896	177.00	1005	244.00	13438		

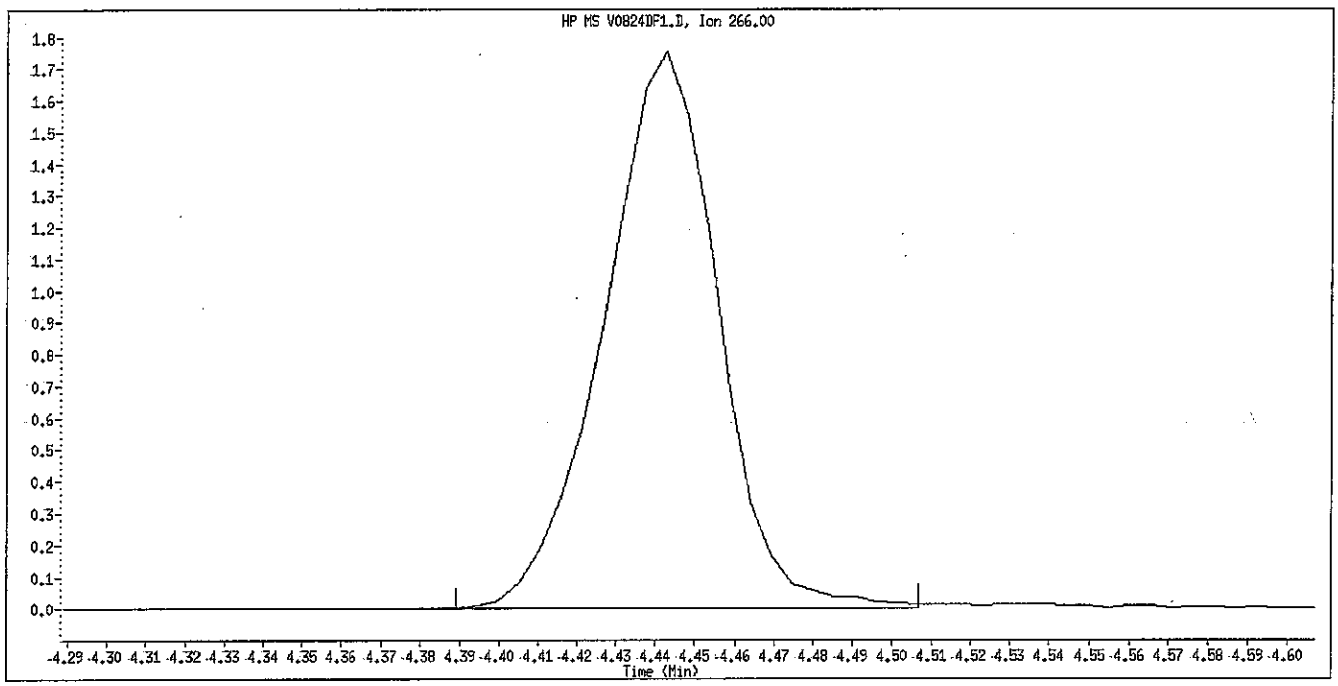
TestAmerica Pittsburgh

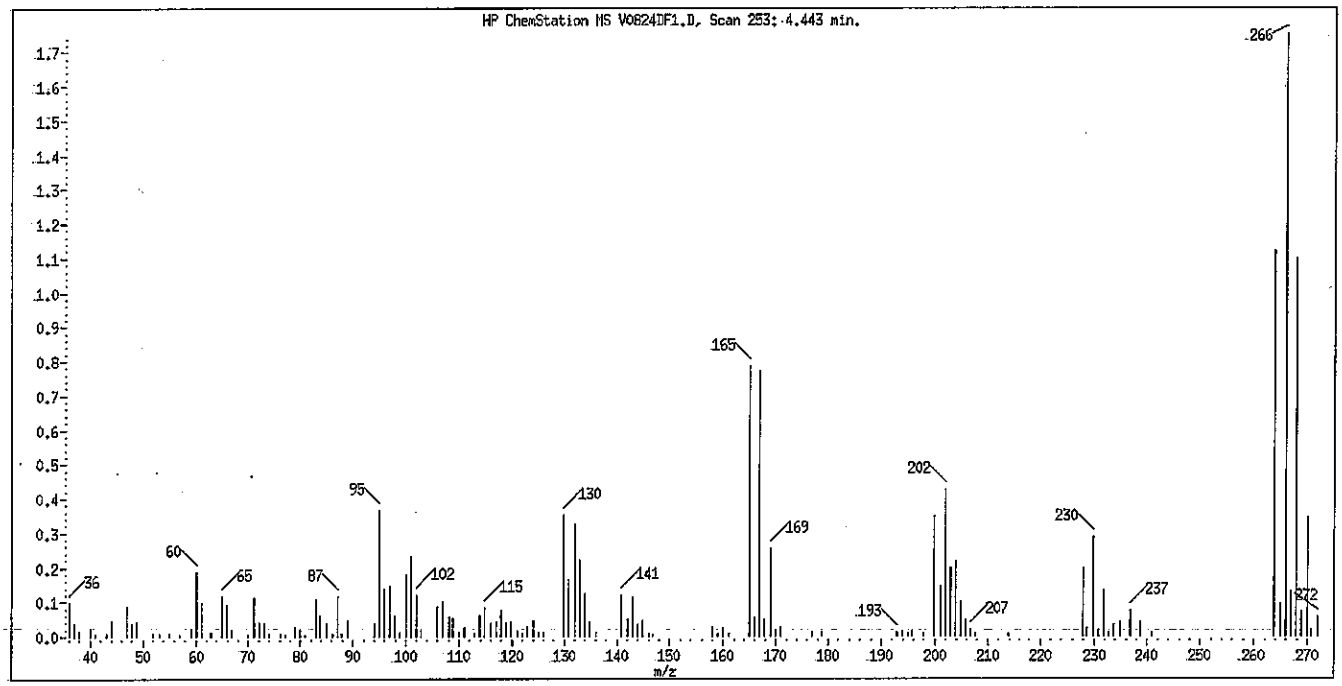
Data file : \\PITSVR06\D\chem\731.i\TV082412.b\V0824DF1.D
Lab Smp Id: DFTPP 514390 Client Smp ID: DFTPP050
Inj Date : 24-AUG-2012 15:45
Operator : 003200 Inst ID: 731.i
Smp Info : DFTPP 514390
Misc Info : TV082412.b,Tsw846tun.m
Comment :
Method : \\PITSVR06\D\chem\731.i\TV082412.b\Tsw846tun.m
Meth Date : 15-Dec-2011 09:41 Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-502

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

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ng)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
5.302	4.960	(0.000)	198	201344			0.00- 100.00	100.00
5.302	4.960	(0.000)	51	69168			30.00- 60.00	34.35
5.302	4.960	(0.000)	68	0	0.0	0.0	0.00- 2.00	0.00
5.302	4.960	(0.000)	69	74984			0.00- 0.00	37.24
5.302	4.960	(0.000)	70	355			0.00- 2.00	0.47
5.302	4.960	(0.000)	127	92888			40.00- 60.00	46.13
5.302	4.960	(0.000)	197	0	0.0	0.0	0.00- 1.00	0.00
5.302	4.960	(0.000)	199	12631			5.00- 9.00	6.27
5.302	4.960	(0.000)	275	43752			10.00- 30.00	21.73
5.302	4.960	(0.000)	365	3974			1.00- 0.00	1.97
5.302	4.960	(0.000)	441	16912			0.01- 99.99	70.47
5.302	4.960	(0.000)	442	119232			40.00- 99.00	59.22
5.302	4.960	(0.000)	443	24000			17.00- 23.00	20.13

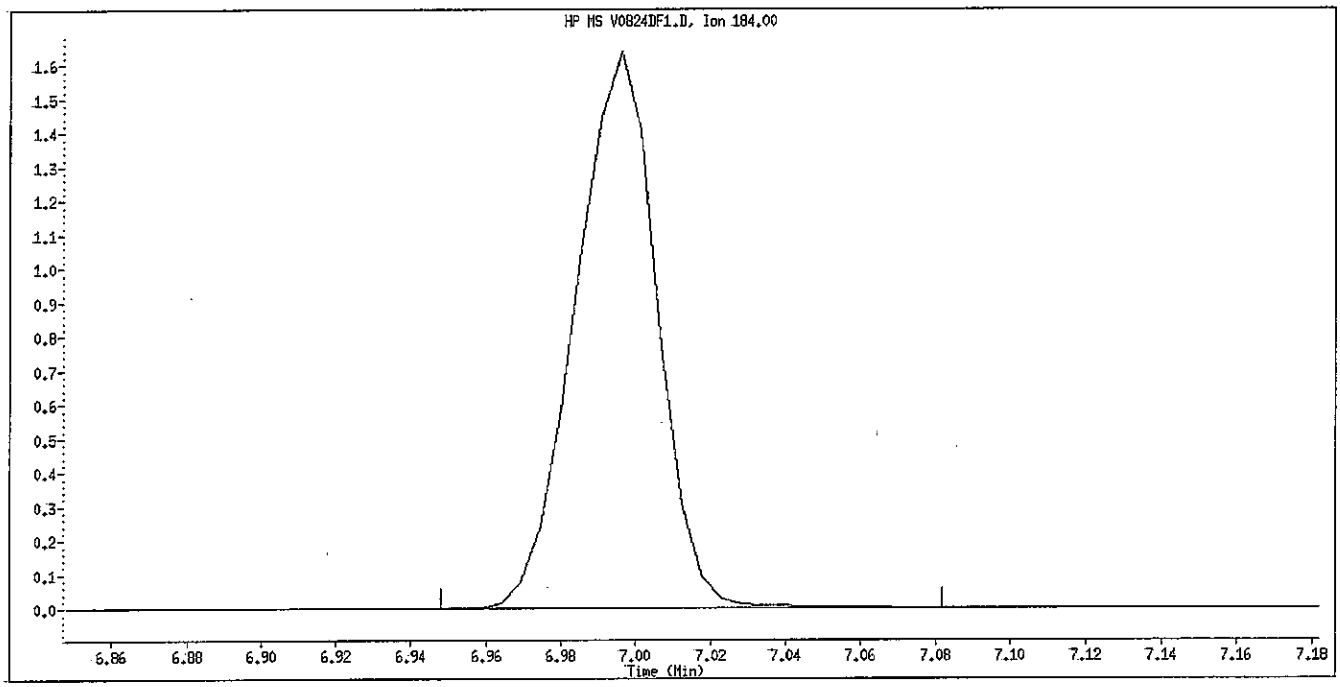
Data File: V0824DF1.D
Inj Date: 24-AUG-2012 15:45
Instrument ID: 731.i
Compound Name: Pentachlorophenol
Operator Name: 003200
Report Date: 08/25/2012 TAILING FACTOR

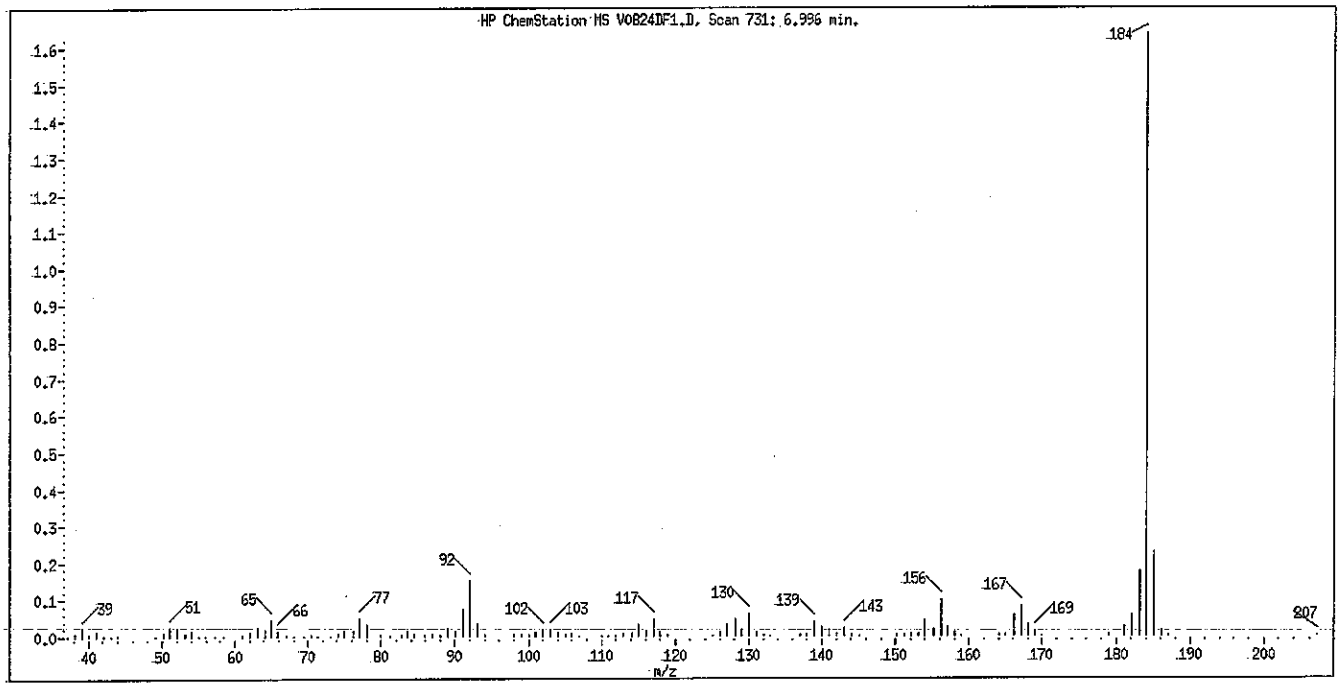




Tailing Factor = 0.813 Good
Acceptance Criteria 0 - 5
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 4.409812 T2 = 4.442583 T3 = 4.46921

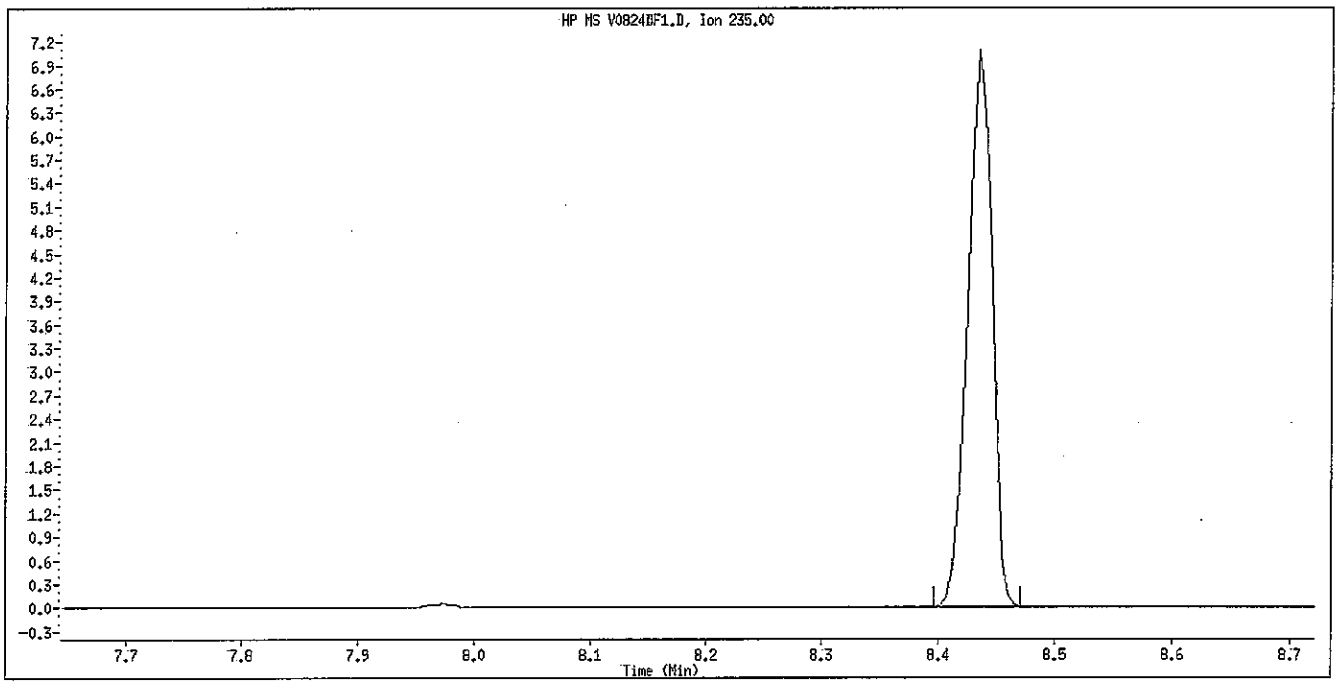
Data File: V0824DF1.D
Inj Date: 24-AUG-2012 15:45
Instrument ID: 731.i
Compound Name: Benzidine
Operator Name: 003200
Report Date: 08/25/2012 TAILING FACTOR





Tailing Factor = 0.82 Good
Acceptance Criteria 0 - 3
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 6.972279 T2 = 6.996133 T3 = 7.015705

Data File: V0824DF1.D
Inj Date: 24-AUG-2012 15:45
Instrument ID: 731.i
Compound Name: 4,4'-DDT
Operator Name: 003200
Report Date: 08/25/2012 DEGRADATION REPORT



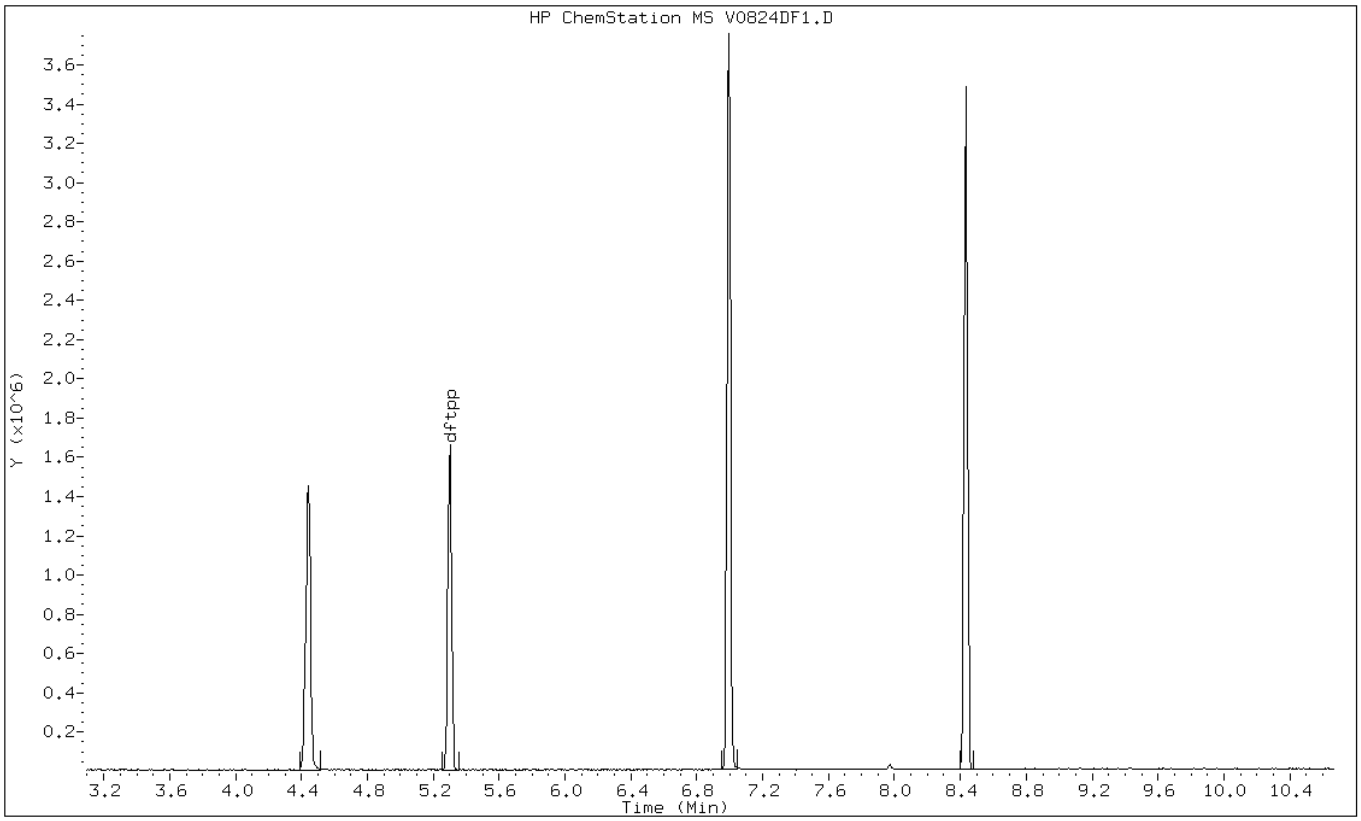
Degradation = 0.08% Good
Acceptance Criteria 0 - 20 %
DDT Area = 1028695
DDE Area = 824
DDD Area = 0

Data File: V0824DF1.D

Date: 24-AUG-2012 15:45

Client ID: DFTPP050 Instrument: 731.i

Sample Info: DFTPP 514390 Operator: 003200



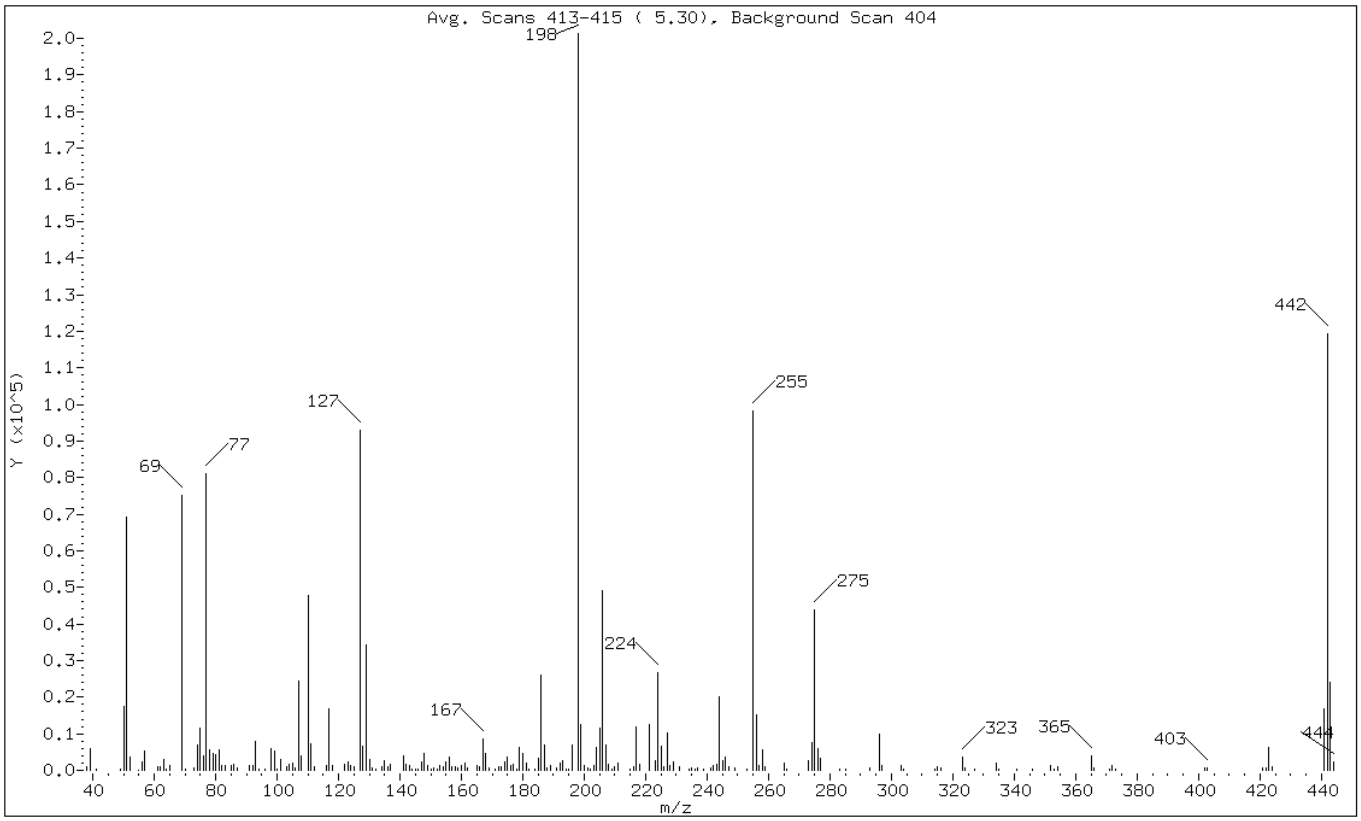
Data File: V0824DF1.D

Date: 24-AUG-2012 15:45

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	34.35
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	37.24
70	Less than 2.00% of mass 69	0.18 (0.47)
127	40.00 - 60.00% of mass 198	46.13
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.27
275	10.00 - 30.00% of mass 198	21.73
365	Greater than 1.00% of mass 198	1.97
441	Present, but less than mass 443	8.40
442	40.00 - 99.00% of mass 198	59.22
443	17.00 - 23.00% of mass 442	11.92 (20.13)

Data File: V0824DF1.D

Date: 24-AUG-2012 15:45

Client ID: DFTPP050 Instrument: 731.i

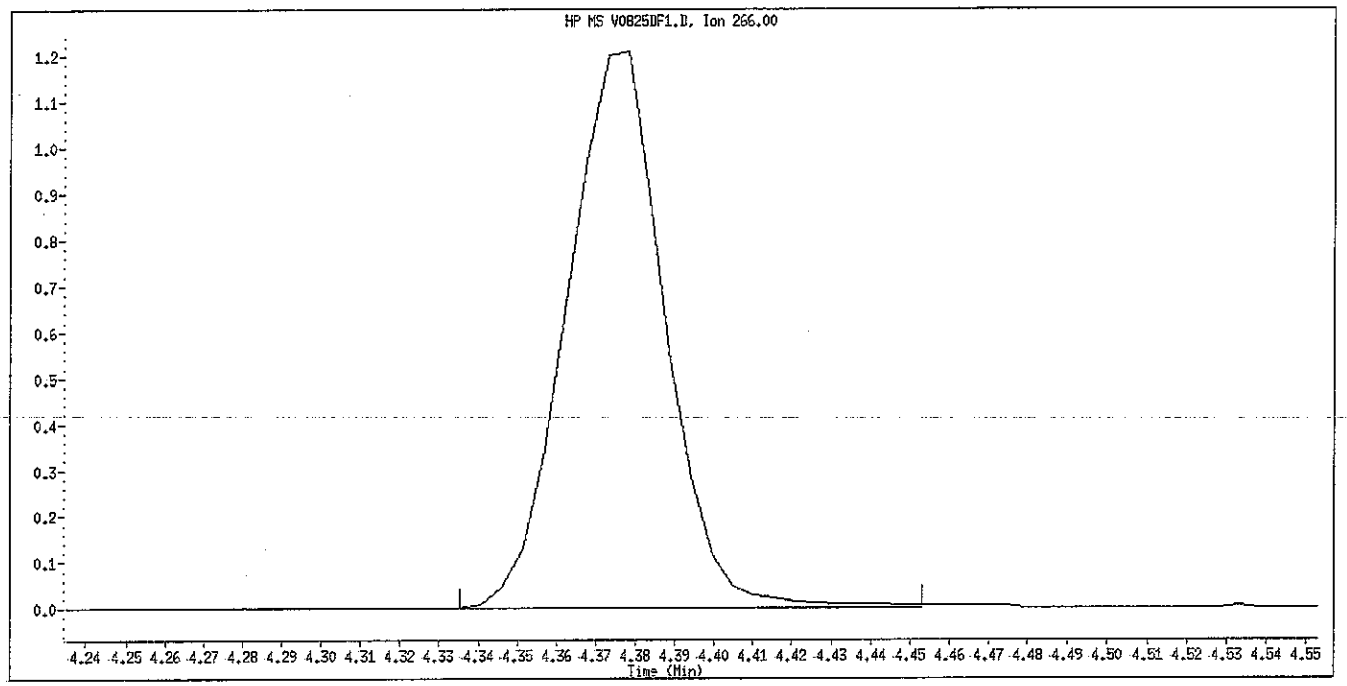
Sample Info: DFTPP 514390 Operator: 003200

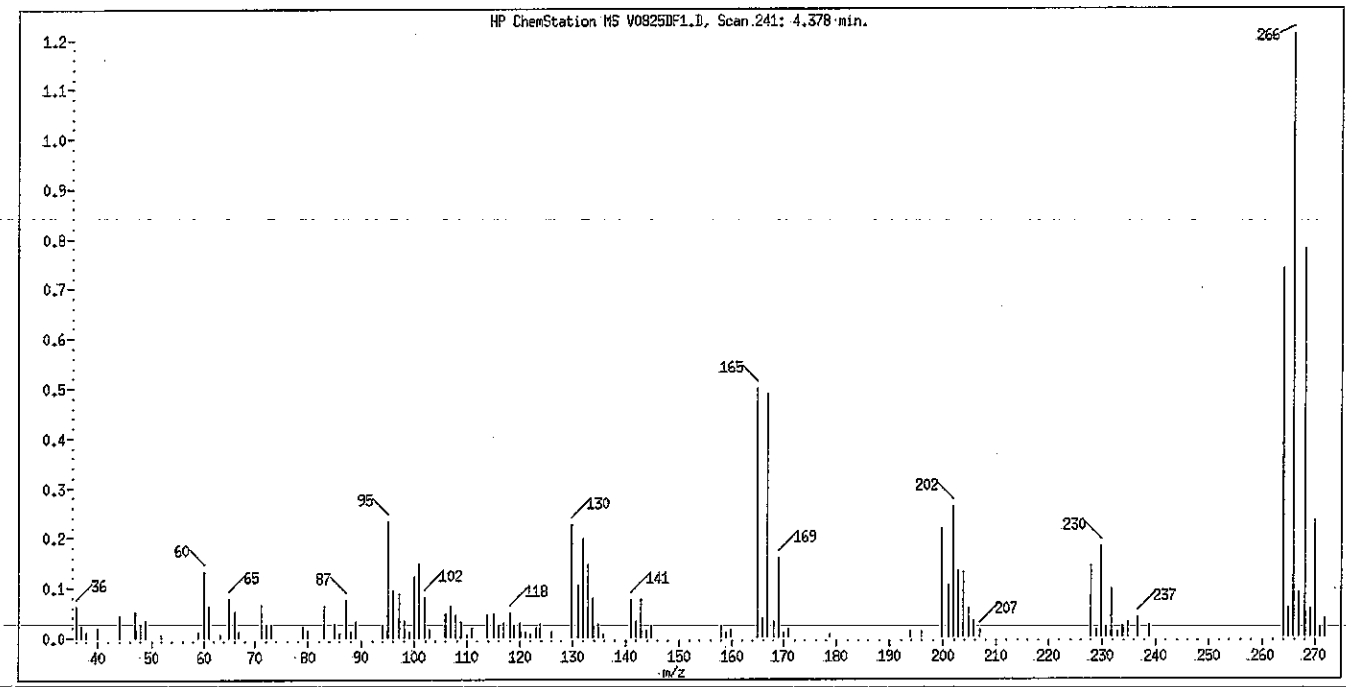
Data File: \\PITSVR06\D\chem\731.i\TV082412.b\V0824DF1.D
Spectrum: Avg. Scans 413-415 (5.30), Background Scan 404
Location of Maximum: 198.00
Number of points: 205

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	1096	122.00	1555	182.00	364	249.00	769
39.00	5903	123.00	2431	184.00	173	253.00	170
41.00	227	124.00	1280	185.00	3377	255.00	98296
49.00	241	125.00	1047	186.00	25904	256.00	15244
50.00	17368	127.00	92888	187.00	6985	257.00	1188
51.00	69168	128.00	6671	188.00	777	258.00	5557
52.00	3479	129.00	34408	189.00	1329	259.00	879
55.00	86	130.00	2905	191.00	742	265.00	1830
56.00	2192	131.00	680	192.00	2135	266.00	214
57.00	5150	132.00	367	193.00	2743	273.00	2621
61.00	898	134.00	1049	194.00	356	274.00	7709
62.00	889	135.00	2733	195.00	172	275.00	43752
63.00	3024	136.00	1053	196.00	6770	276.00	5783
64.00	234	137.00	1704	198.00	201344	277.00	3286
65.00	1416	141.00	4064	199.00	12631	283.00	443
69.00	74984	142.00	1549	200.00	1242	285.00	186
70.00	355	143.00	1159	201.00	659	293.00	680
73.00	647	144.00	176	202.00	378	296.00	9787
74.00	6810	145.00	167	203.00	1471	297.00	1288
75.00	11689	146.00	315	204.00	6192	303.00	1331
76.00	3859	147.00	2365	205.00	11516	304.00	201
77.00	81176	148.00	4603	206.00	49104	314.00	186
78.00	5750	149.00	1161	207.00	6771	315.00	1032
79.00	4606	150.00	188	208.00	1630	316.00	689
80.00	4365	151.00	654	209.00	351	323.00	3690
81.00	5615	152.00	368	210.00	850	324.00	618
82.00	1333	153.00	1303	211.00	1910	327.00	352
83.00	1371	154.00	1139	215.00	191	334.00	1904
85.00	1155	155.00	2469	216.00	1118	335.00	454
86.00	1784	156.00	3769	217.00	11919	341.00	386
87.00	673	157.00	830	218.00	1548	346.00	228
91.00	1385	158.00	871	221.00	12668	352.00	1263
92.00	1329	159.00	514	223.00	2693	353.00	463
93.00	8060	160.00	1460	224.00	26632	354.00	1094
94.00	430	161.00	2118	225.00	6535	365.00	3974
96.00	294	162.00	781	226.00	868	366.00	668
98.00	5869	165.00	1323	227.00	10206	371.00	167
99.00	5289	166.00	1029	228.00	1448	372.00	1270
100.00	352	167.00	8457	229.00	2157	373.00	233
101.00	2980	168.00	4690	231.00	1097	402.00	670

103.00	929	169.00	769	234.00	480	403.00	753
104.00	1710	171.00	195	235.00	722	421.00	811
105.00	2054	172.00	850	236.00	417	422.00	591
106.00	553	173.00	1072	237.00	815	423.00	6379
107.00	24360	174.00	2154	239.00	355	424.00	1058
108.00	3896	175.00	3697	241.00	617	441.00	16912
110.00	47792	176.00	1473	242.00	1161	442.00	119232
111.00	7246	177.00	1693	243.00	1673	443.00	24000
112.00	925	178.00	264	244.00	20048	444.00	2286
116.00	1401	179.00	6317	245.00	2751		
117.00	16960	180.00	4467	246.00	3604		
118.00	1231	181.00	2132	247.00	910		

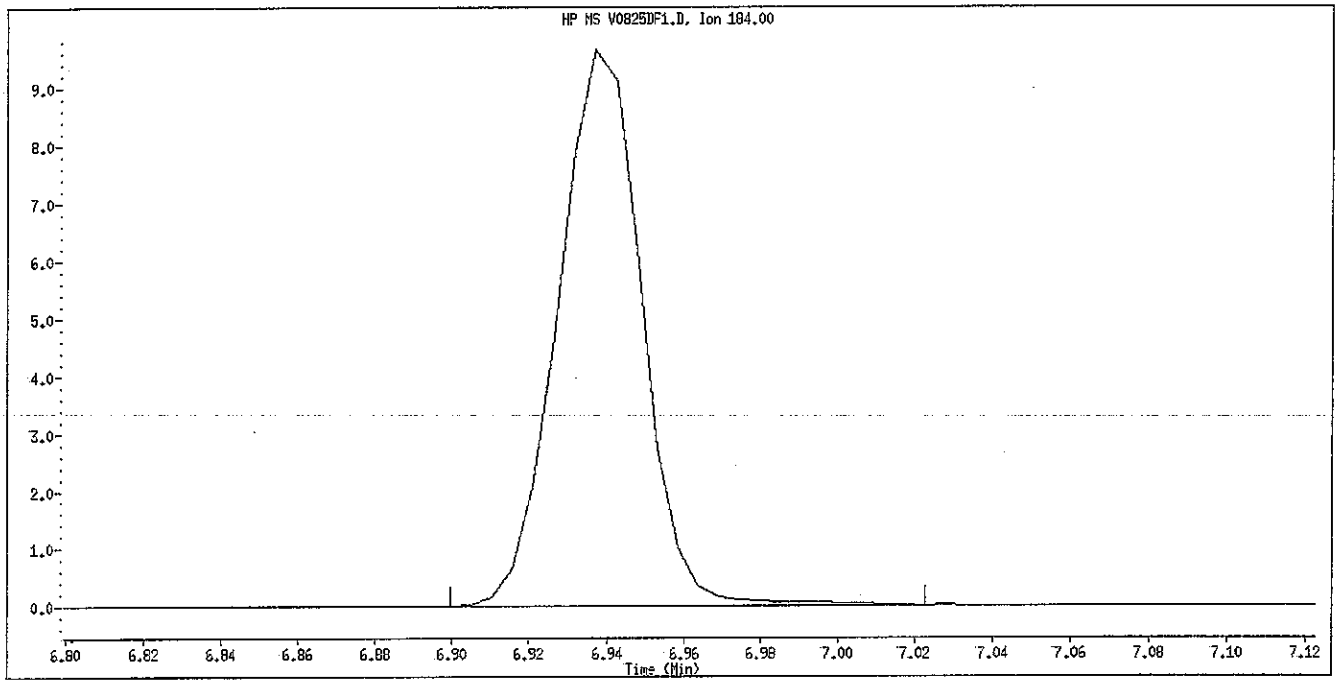
Data File: V0825DF1.D
Inj Date: 25-AUG-2012 14:09
Instrument ID: 731.i
Compound Name: Pentachlorophenol
Operator Name: 003200
Report Date: 08/27/2012 TAILING FACTOR

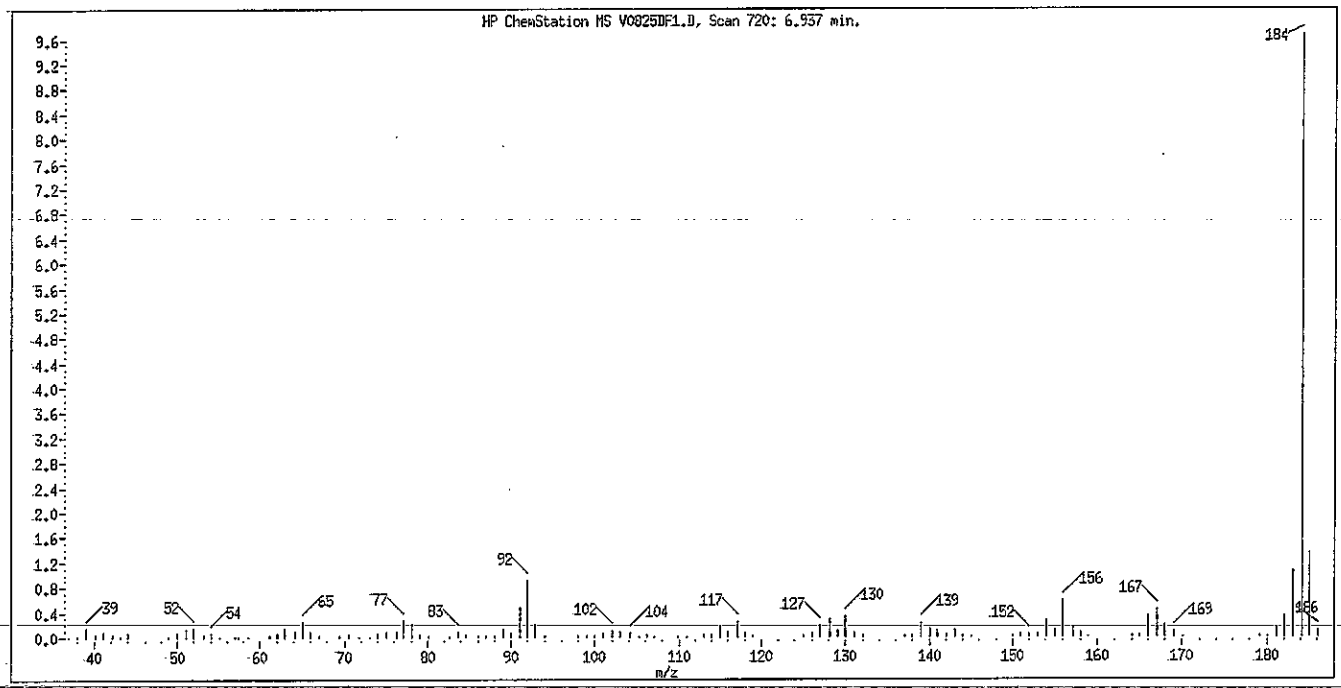




Tailing Factor = 0.778 Good
Acceptance Criteria 0 - 5
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 4.350858 T2 = 4.378117 T3 = 4.399313

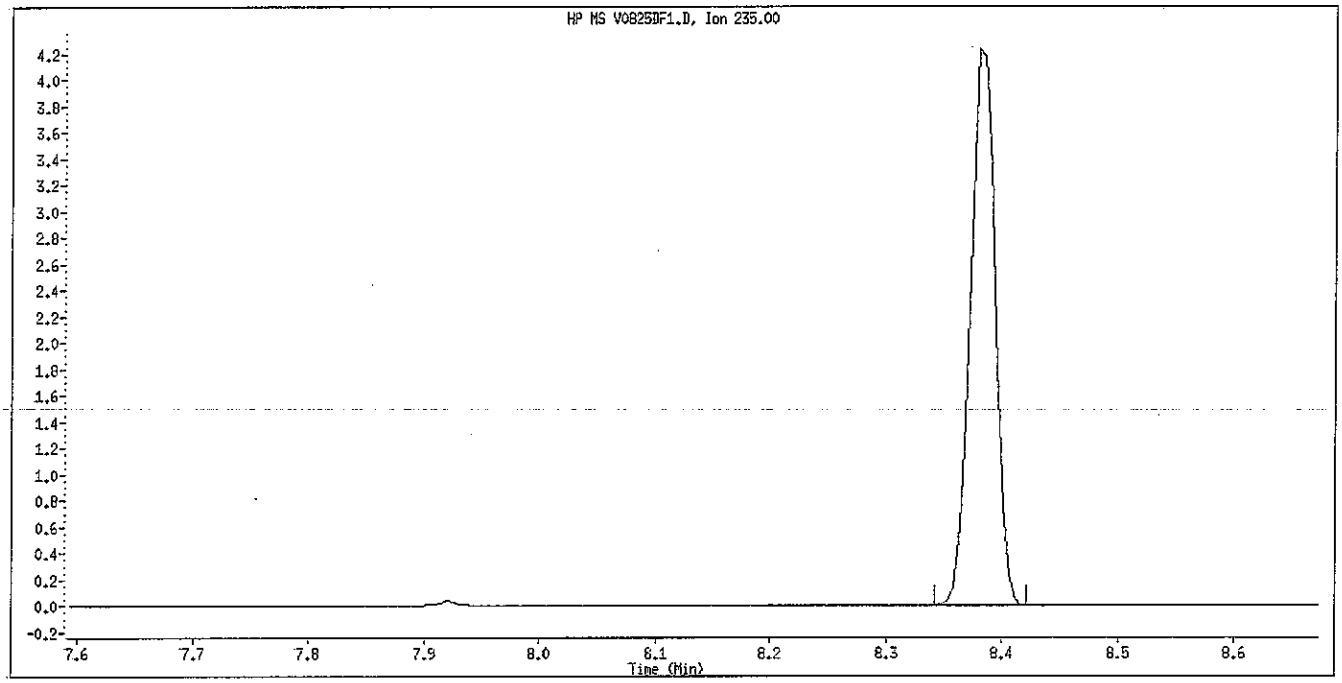
Data File: V0825DF1.D
Inj Date: 25-AUG-2012 14:09
Instrument ID: 731.i
Compound Name: Benzidine
Operator Name: 003200
Report Date: 08/27/2012 TAILING FACTOR





Tailing Factor = 1.07 Good
Acceptance Criteria 0 - 3
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 6.916804 T2 = 6.937 T3 = 6.958624

Data File: V0825DF1.D
Inj Date: 25-AUG-2012 14:09
Instrument ID: 731.i
Compound Name: 4,4'-DDT
Operator Name: 003200
Report Date: 08/27/2012 DEGRADATION REPORT



Degradation = 0% Good
Acceptance Criteria 0 - 20 %
DDT Area = 627016
DDE Area = 0
DDD Area = 0

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\731.i\TV082512.b\V0825DF1.D
Lab Smp Id: DFTPP 514390 Client Smp ID: DFTPP050
Inj Date : 25-AUG-2012 14:09
Operator : 003200 Inst ID: 731.i
Smp Info : DFTPP 514390
Misc Info : TV082512.b,Tsw846tun.m
Comment :
Method : \\PITSVR06\D\chem\731.i\TV082512.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

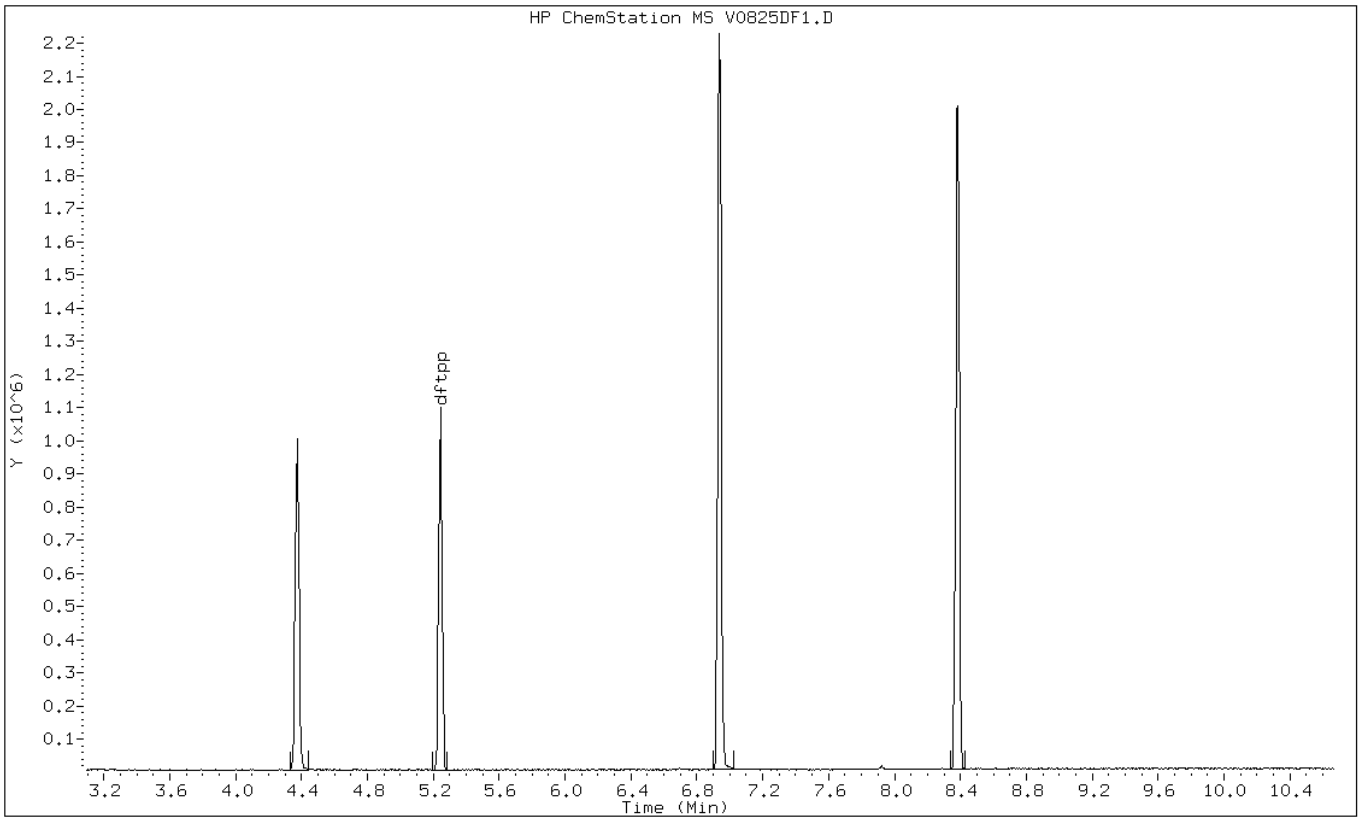
RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ng)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
5.243	4.960	(0.000)	198	129664			0.00- 100.00	100.00
5.243	4.960	(0.000)	51	45424			30.00- 60.00	35.03
5.243	4.960	(0.000)	68	0	0.0	0.0	0.00- 2.00	0.00
5.243	4.960	(0.000)	69	49632			0.00- 0.00	38.28
5.243	4.960	(0.000)	70	0	0.0	0.0	0.00- 2.00	0.00
5.243	4.960	(0.000)	127	59744			40.00- 60.00	46.08
5.243	4.960	(0.000)	197	287			0.00- 1.00	0.22
5.243	4.960	(0.000)	199	9249			5.00- 9.00	7.13
5.243	4.960	(0.000)	275	27384			10.00- 30.00	21.12
5.243	4.960	(0.000)	365	2398			1.00- 0.00	1.85
5.243	4.960	(0.000)	441	10476			0.01- 99.99	67.37
5.243	4.960	(0.000)	442	77144			40.00- 99.00	59.50
5.243	4.960	(0.000)	443	15550			17.00- 23.00	20.16

Data File: V0825DF1.D

Date: 25-AUG-2012 14:09

Client ID: DFTPP050 Instrument: 731.i

Sample Info: DFTPP 514390 Operator: 003200



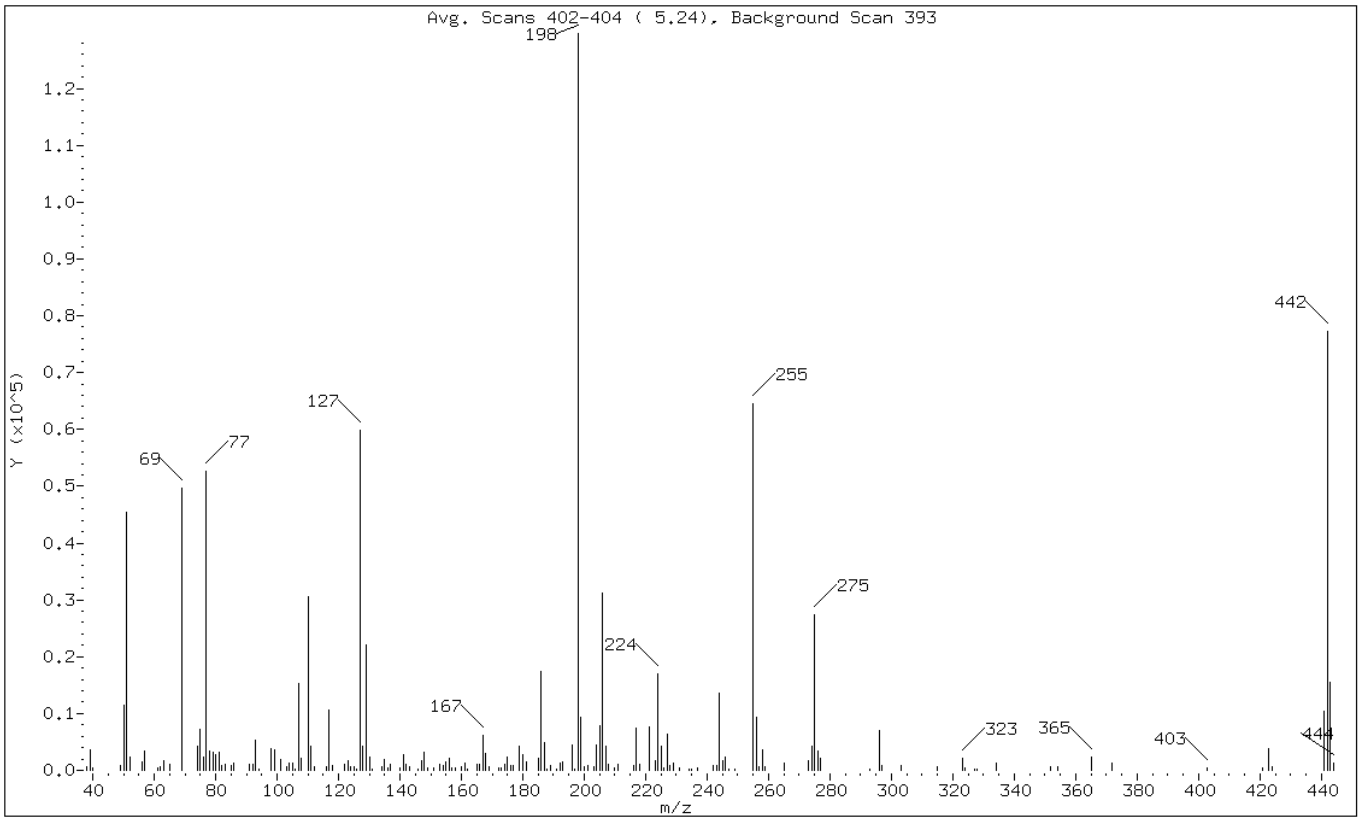
Data File: V0825DF1.D

Date: 25-AUG-2012 14:09

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	35.03
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	38.28
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	46.08
197	Less than 1.00% of mass 198	0.22
199	5.00 - 9.00% of mass 198	7.13
275	10.00 - 30.00% of mass 198	21.12
365	Greater than 1.00% of mass 198	1.85
441	Present, but less than mass 443	8.08
442	40.00 - 99.00% of mass 198	59.50
443	17.00 - 23.00% of mass 442	11.99 (20.16)

Data File: V0825DF1.D

Date: 25-AUG-2012 14:09

Client ID: DFTPP050 Instrument: 731.i

Sample Info: DFTPP 514390 Operator: 003200

Data File: \\PITSVR06\D\chem\731.i\TV082512.b\V0825DF1.D
Spectrum: Avg. Scans 402-404 (5.24), Background Scan 393
Location of Maximum: 198.00
Number of points: 168

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	693	117.00	10604	176.00	832	243.00	848
39.00	3698	118.00	942	177.00	948	244.00	13550
40.00	322	122.00	1156	179.00	4238	245.00	1754
49.00	756	123.00	1788	180.00	2704	246.00	2254
50.00	11363	124.00	739	181.00	1380	247.00	221
51.00	45424	125.00	688	185.00	2204	249.00	184
52.00	2327	126.00	173	186.00	17464	255.00	64456
56.00	1414	127.00	59744	187.00	4788	256.00	9388
57.00	3352	128.00	4343	188.00	172	257.00	688
61.00	470	129.00	22008	189.00	924	258.00	3578
62.00	554	130.00	2317	191.00	204	259.00	636
63.00	1730	131.00	223	192.00	1346	265.00	1297
65.00	1025	134.00	714	193.00	1586	273.00	1774
69.00	49632	135.00	1932	196.00	4532	274.00	4255
74.00	4350	136.00	449	197.00	287	275.00	27384
75.00	7254	137.00	1079	198.00	129664	276.00	3409
76.00	2283	140.00	341	199.00	9249	277.00	2024
77.00	52696	141.00	2770	200.00	536	293.00	172
78.00	3484	142.00	980	201.00	754	296.00	6928
79.00	3083	143.00	664	203.00	719	297.00	765
80.00	2681	146.00	261	204.00	4444	303.00	802
81.00	3197	147.00	1655	205.00	7760	315.00	575
82.00	921	148.00	3160	206.00	31224	323.00	2156
83.00	1080	149.00	450	207.00	4277	324.00	447
85.00	909	151.00	352	208.00	1037	327.00	301
86.00	1300	153.00	1017	210.00	481	328.00	169
91.00	971	154.00	767	211.00	1084	334.00	1188
92.00	958	155.00	1441	216.00	747	352.00	609
93.00	5303	156.00	2219	217.00	7352	354.00	634
94.00	168	157.00	416	218.00	1098	365.00	2398
98.00	3735	158.00	392	221.00	7683	372.00	1221
99.00	3566	160.00	677	223.00	1743	403.00	402
101.00	1918	161.00	1309	224.00	16992	421.00	404
103.00	579	162.00	196	225.00	4342	423.00	3904
104.00	1173	165.00	982	226.00	427	424.00	662
105.00	1286	166.00	955	227.00	6428	441.00	10476
106.00	246	167.00	6234	228.00	893	442.00	77144
107.00	15327	168.00	2909	229.00	1289	443.00	15550
108.00	2171	169.00	686	231.00	514	444.00	1329
110.00	30488	172.00	491	234.00	190		

111.00	4175	173.00	371	235.00	222		
112.00	680	174.00	1053	237.00	489		
116.00	677	175.00	2261	242.00	847		

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-13537-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 180-45557/1-A

Matrix: Water | Lab File ID: V0821015.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3520C | Date Extracted: 08/20/2012 10:22

Sample wt/vol: 1000(mL) | Date Analyzed: 08/21/2012 16:15

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.: 45848 | 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.: 180-13537-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 180-45557/1-A

Matrix: Water | Lab File ID: V0821015.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3520C | Date Extracted: 08/20/2012 10:22

Sample wt/vol: 1000(mL) | Date Analyzed: 08/21/2012 16:15

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.: 45848 | 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.: 180-13537-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 180-45557/1-A
Matrix: Water
Lab File ID: V0821015.D
Analysis Method: 8270C LL
Date Collected:
Extract. Method: 3520C
Date Extracted: 08/20/2012 10:22
Sample wt/vol: 1000(mL)
Date Analyzed: 08/21/2012 16:15
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.: 45848
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	54		16-122
321-60-8	2-Fluorobiphenyl	60		19-107
367-12-4	2-Fluorophenol	68		10-111
4165-60-0	Nitrobenzene-d5	60		23-112
4165-62-2	Phenol-d5	69		15-112
1718-51-0	Terphenyl-d14	61		10-132

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV082112.b\V0821015.D
Lab Smp Id: MB 180-45557/1-A
Inj Date : 21-AUG-2012 16:15
Operator : 003200 Inst ID: 731.i
Smp Info : MB 180-45557/1-A
Misc Info : TV082112.b,T8270ll.m,padepi.sub
Comment :
Method : \\PITSVR06\D\chem\731.i\TV082112.b\T8270ll.m
Meth Date : 22-Aug-2012 01:41 piccolinov Quant Type: ISTD
Cal Date : 13-AUG-2012 12:35 Cal File: V0813IC8.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	4.573	4.573	(1.000)	147442	8.00000	
* 2 Naphthalene-d8	136	5.540	5.540	(1.000)	706104	8.00000	
* 3 Acenaphthene-d10	164	6.891	6.892	(1.000)	439936	8.00000	
* 4 Phenanthrene-d10	188	8.034	8.035	(1.000)	792525	8.00000	
* 5 Chrysene-d12	240	10.150	10.140	(1.000)	746307	8.00000	
* 6 Perylene-d12	264	11.603	11.582	(1.000)	768275	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.					

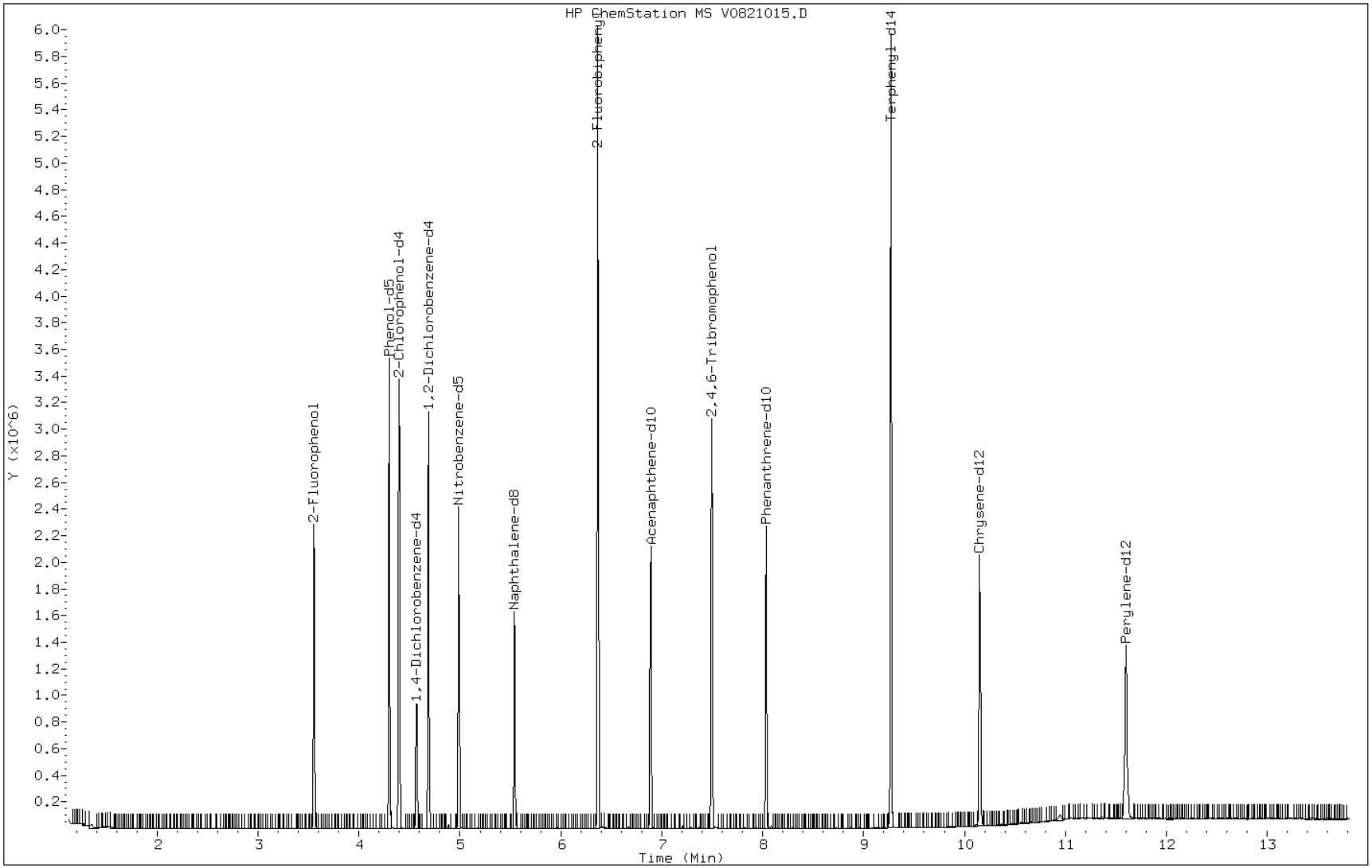
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
136 Benzo(a)Anthracene	228	Compound Not Detected.					
137 Chrysene	228	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	Compound Not Detected.					
140 Di-n-octylphthalate	149	Compound Not Detected.					
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	4.989	4.990	(0.901)	598140	23.9112	23.911
$ 155 2-Fluorobiphenyl	172	6.368	6.368	(0.924)	1602179	24.0940	24.094
$ 156 Terphenyl-d14	244	9.268	9.264	(0.913)	1765795	24.5406	24.540
$ 157 Phenol-d5	99	4.300	4.301	(0.940)	975756	41.3612	41.361
$ 158 2-Fluorophenol	112	3.552	3.558	(0.777)	690178	40.7045	40.704
$ 159 2,4,6-Tribromophenol	330	7.495	7.495	(0.933)	275285	32.1493	32.149
$ 186 2-Chlorophenol-d4	132	4.396	4.397	(0.961)	931120	38.8549	38.855
$ 187 1,2-Dichlorobenzene-d4	152	4.690	4.691	(1.026)	456770	26.1043	26.104

Data File: V0821015.D

Date: 21-AUG-2012 16:15

Client ID: Instrument: 731.i

Sample Info: MB 180-45557/1-A Operator: 003200



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 180-45791/1-A
Matrix: Water
Lab File ID: V0824026.D
Analysis Method: 8270C
Date Collected:
Extract. Method: 3520C
Date Extracted: 08/21/2012 14:30
Sample wt/vol: 200(mL)
Date Analyzed: 08/24/2012 18:34
Con. Extract Vol.: 10.0(mL)
Dilution Factor: 1
Injection Volume: 2(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 46317
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-46-7	1,4-Dichlorobenzene	ND		50	3.7
95-95-4	2,4,5-Trichlorophenol	ND		50	7.6
88-06-2	2,4,6-Trichlorophenol	ND		50	8.7
121-14-2	2,4-Dinitrotoluene	ND		50	2.7
95-48-7	2-Methylphenol	ND		50	4.3
118-74-1	Hexachlorobenzene	ND		10	0.92
87-68-3	Hexachlorobutadiene	ND		10	0.83
67-72-1	Hexachloroethane	ND		50	3.1
98-95-3	Nitrobenzene	ND		100	4.2
87-86-5	Pentachlorophenol	ND		50	3.3
110-86-1	Pyridine	ND		50	3.6
106-44-5	Methylphenol, 3 & 4	ND		50	4.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	73		35-108
367-12-4	2-Fluorophenol	82		26-100
4165-60-0	Nitrobenzene-d5	76		37-104
4165-62-2	Phenol-d5	82		30-102
1718-51-0	Terphenyl-d14	75		25-130
118-79-6	2,4,6-Tribromophenol	68		33-122

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV082412.b\V0824026.D
Lab Smp Id: MB 180-45791/1-A
Inj Date : 24-AUG-2012 18:34
Operator : 003200 Inst ID: 731.i
Smp Info : MB 180-45791/1-A
Misc Info : TV082412.b,T8270ll.m,tclp.sub
Comment :
Method : \\PITSVR06\D\chem\731.i\TV082412.b\T8270ll.m
Meth Date : 25-Aug-2012 10:03 731.i Quant Type: ISTD
Cal Date : 13-AUG-2012 12:35 Cal File: V0813IC8.D
Als bottle: 28
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: tclp.sub
Target Version: 4.14
Processing Host: PITPC-502

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

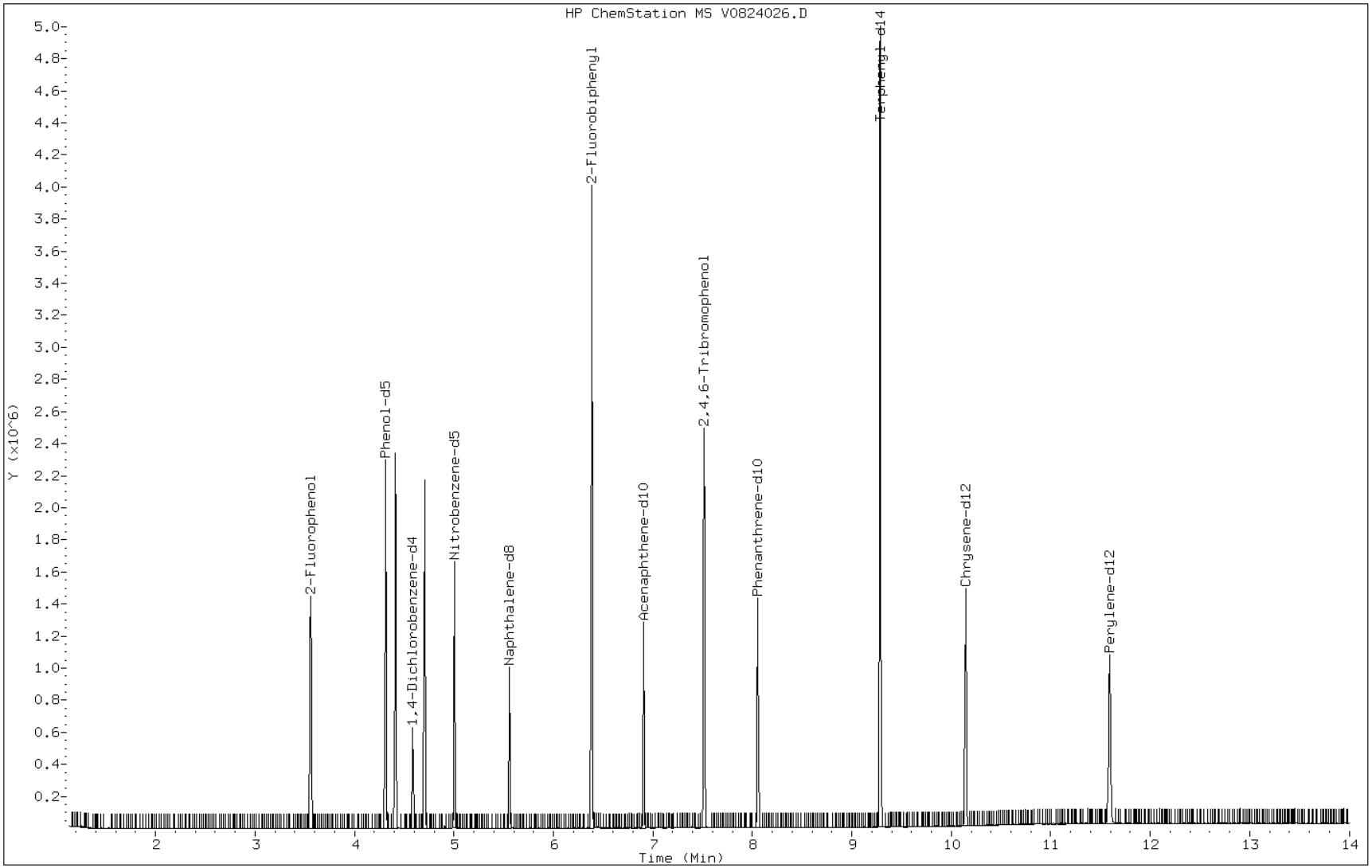
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 1 1,4-Dichlorobenzene-d4	152	4.586	4.597	(1.000)	87927	8.00000	
* 2 Naphthalene-d8	136	5.558	5.569	(1.000)	392470	8.00000	
* 3 Acenaphthene-d10	164	6.910	6.920	(1.000)	259896	8.00000	
* 4 Phenanthrene-d10	188	8.053	8.074	(1.000)	495457	8.00000	
* 5 Chrysene-d12	240	10.142	10.147	(1.000)	549398	8.00000	
* 6 Perylene-d12	264	11.589	11.600	(1.000)	579893	8.00000	
9 Pyridine	79	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					
M 195 Cresols, total	100	Compound Not Detected.					
30 2-Methylphenol	108	Compound Not Detected.					
192 4-Methylphenol	108	Compound Not Detected.					
34 Hexachloroethane	117	Compound Not Detected.					
35 Nitrobenzene	77	Compound Not Detected.					
56 Hexachlorobutadiene	224	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	Compound Not Detected.					
67 2,4,5-Trichlorophenol	196	Compound Not Detected.					
87 2,4-Dinitrotoluene	165	Compound Not Detected.					
107 Hexachlorobenzene	283	Compound Not Detected.					
111 Pentachlorophenol	265	Compound Not Detected.					
$ 154 Nitrobenzene-d5	82	5.002	5.013	(0.900)	422686	30.4003	30.400
$ 155 2-Fluorobiphenyl	172	6.386	6.397	(0.924)	1149480	29.2609	29.261
$ 156 Terphenyl-d14	244	9.287	9.298	(0.916)	1583223	29.8894	29.889
$ 157 Phenol-d5	99	4.313	4.324	(0.941)	695499	49.4365	49.436
$ 158 2-Fluorophenol	112	3.560	3.571	(0.776)	496388	49.0910	49.091
$ 159 2,4,6-Tribromophenol	330	7.513	7.529	(0.933)	217234	40.5811	40.581

Data File: V0824026.D

Date: 24-AUG-2012 18:34

Client ID: Instrument: 731.i

Sample Info: MB 180-45791/1-A Operator: 003200



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-13537-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 180-45557/2-A

Matrix: Water | Lab File ID: V0821016.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3520C | Date Extracted: 08/20/2012 10:22

Sample wt/vol: 1000(mL) | Date Analyzed: 08/21/2012 18:16

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.: 45848 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	12.7		0.20	0.014
208-96-8	Acenaphthylene	12.7		0.20	0.015
98-86-2	Acetophenone	13.2		1.0	0.080
120-12-7	Anthracene	13.2		0.20	0.15
1912-24-9	Atrazine	22.6		1.0	0.089
100-52-7	Benzaldehyde	16.5		1.0	0.15
56-55-3	Benzo[a]anthracene	13.0		0.20	0.015
205-99-2	Benzo[b]fluoranthene	12.2		0.20	0.016
207-08-9	Benzo[k]fluoranthene	13.1		0.20	0.055
191-24-2	Benzo[g,h,i]perylene	13.7		0.20	0.015
50-32-8	Benzo[a]pyrene	14.6		0.20	0.013
111-91-1	Bis(2-chloroethoxy)methane	12.6		1.0	0.058
111-44-4	Bis(2-chloroethyl)ether	12.5		0.20	0.025
117-81-7	Bis(2-ethylhexyl) phthalate	13.1		2.0	1.3
85-68-7	Butyl benzyl phthalate	13.7		1.0	0.14
92-52-4	1,1'-Biphenyl	7.91		1.0	0.042
105-60-2	Caprolactam	6.65		5.0	1.2
86-74-8	Carbazole	14.1		0.20	0.016
218-01-9	Chrysene	13.1		0.20	0.014
91-58-7	2-Chloronaphthalene	13.5		0.20	0.015
95-57-8	2-Chlorophenol	12.5		1.0	0.17
120-83-2	2,4-Dichlorophenol	13.1		0.20	0.033
105-67-9	2,4-Dimethylphenol	12.1		1.0	0.085
51-28-5	2,4-Dinitrophenol	10.4		5.0	0.61
121-14-2	2,4-Dinitrotoluene	14.5		1.0	0.054
606-20-2	2,6-Dinitrotoluene	14.6		1.0	0.080
91-57-6	2-Methylnaphthalene	12.7		0.20	0.012
95-48-7	2-Methylphenol	12.2		1.0	0.086
88-74-4	2-Nitroaniline	12.7		5.0	0.35
88-75-5	2-Nitrophenol	13.2		1.0	0.17
108-60-1	2,2'-oxybis[1-chloropropane]	9.29		0.20	0.020
95-95-4	2,4,5-Trichlorophenol	13.7		1.0	0.15
88-06-2	2,4,6-Trichlorophenol	13.4		1.0	0.17
100-01-6	4-Nitroaniline	14.2		5.0	0.17

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 180-45557/2-A
Matrix: Water
Lab File ID: V0821016.D
Analysis Method: 8270C LL
Date Collected:
Extract. Method: 3520C
Date Extracted: 08/20/2012 10:22
Sample wt/vol: 1000(mL)
Date Analyzed: 08/21/2012 18:16
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.: 45848
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	9.51		5.0	0.65
7005-72-3	4-Chlorophenyl phenyl ether	13.9		1.0	0.050
106-44-5	Methylphenol, 3 & 4	12.2		1.0	0.090
534-52-1	4,6-Dinitro-2-methylphenol	13.1		5.0	0.22
106-47-8	4-Chloroaniline	10.9		1.0	0.089
59-50-7	4-Chloro-3-methylphenol	12.3		1.0	0.075
101-55-3	4-Bromophenyl phenyl ether	13.4		1.0	0.064
53-70-3	Dibenz(a,h)anthracene	13.6		0.20	0.016
132-64-9	Dibenzofuran	13.6		1.0	0.062
84-74-2	Di-n-butyl phthalate	14.4		1.0	0.12
84-66-2	Diethyl phthalate	14.4		1.0	0.15
131-11-3	Dimethyl phthalate	13.8		1.0	0.077
117-84-0	Di-n-octyl phthalate	13.5		1.0	0.21
91-94-1	3,3'-Dichlorobenzidine	13.2		1.0	0.11
99-09-2	3-Nitroaniline	13.2		5.0	0.32
206-44-0	Fluoranthene	13.9		0.20	0.016
86-73-7	Fluorene	13.2		0.20	0.022
118-74-1	Hexachlorobenzene	13.4		0.20	0.018
87-68-3	Hexachlorobutadiene	9.92		0.20	0.017
77-47-4	Hexachlorocyclopentadiene	3.03		1.0	0.052
67-72-1	Hexachloroethane	8.85		1.0	0.063
193-39-5	Indeno[1,2,3-cd]pyrene	13.5		0.20	0.020
78-59-1	Isophorone	12.6		1.0	0.064
91-20-3	Naphthalene	11.9		0.20	0.014
98-95-3	Nitrobenzene	12.3		2.0	0.084
86-30-6	N-Nitrosodiphenylamine	13.7		1.0	0.085
621-64-7	N-Nitrosodi-n-propylamine	12.3		0.20	0.031
129-00-0	Pyrene	12.2		0.20	0.016
108-95-2	Phenol	9.03		0.20	0.058
85-01-8	Phenanthrene	12.3		0.20	0.043
87-86-5	Pentachlorophenol	7.81		1.0	0.066
123-91-1	1,4-Dioxane	8.83		2.0	0.14

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 180-45557/2-A
Matrix: Water
Lab File ID: V0821016.D
Analysis Method: 8270C LL
Date Collected:
Extract. Method: 3520C
Date Extracted: 08/20/2012 10:22
Sample wt/vol: 1000(mL)
Date Analyzed: 08/21/2012 18:16
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.: 45848
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	69		16-122
321-60-8	2-Fluorobiphenyl	29		19-107
367-12-4	2-Fluorophenol	56		10-111
4165-60-0	Nitrobenzene-d5	56		23-112
4165-62-2	Phenol-d5	51		15-112
1718-51-0	Terphenyl-d14	65		10-132

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV082112.b\V0821016.D
Lab Smp Id: LCS 180-45557/2-A
Inj Date : 21-AUG-2012 18:16
Operator : 003200 Inst ID: 731.i
Smp Info : LCS 180-45557/2-A
Misc Info : TV082112.b,T8270ll.m,padepi.sub
Comment :
Method : \\PITSVR06\D\chem\731.i\TV082112.b\T8270ll.m
Meth Date : 22-Aug-2012 01:41 piccolinov Quant Type: ISTD
Cal Date : 13-AUG-2012 12:35 Cal File: V0813IC8.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: padepi.sub
Target Version: 4.14
Processing Host: PITPC-502

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 1 1,4-Dichlorobenzene-d4	152	4.570	4.573	(1.000)	137665	8.00000	
* 2 Naphthalene-d8	136	5.542	5.540	(1.000)	629541	8.00000	
* 3 Acenaphthene-d10	164	6.888	6.892	(1.000)	393129	8.00000	
* 4 Phenanthrene-d10	188	8.037	8.035	(1.000)	715168	8.00000	
* 5 Chrysene-d12	240	10.126	10.140	(1.000)	749944	8.00000	
* 6 Perylene-d12	264	11.557	11.582	(1.000)	812516	8.00000	
198 1,4-Dioxane	88	1.466	1.453	(0.321)	75682	17.6689	17.669
10 N-Nitrosodimethylamine	74	1.957	1.956	(0.428)	116153	20.0773	20.077
9 Pyridine	79	2.016	1.988	(0.441)	5618	0.55570	0.55570(M)
16 Methyl methanesulfonate	80	3.389	3.387	(0.742)	166308	22.4455	22.445
206 Benzaldehyde	77	4.228	4.226	(0.925)	370025	33.0273	33.027
21 Aniline	93	4.313	4.317	(0.944)	168086	6.53302	6.5330
22 Phenol	94	4.308	4.311	(0.943)	466537	18.0564	18.056
23 bis(2-Chloroethyl)ether	93	4.372	4.370	(0.957)	457128	25.0568	25.057
24 2-Chlorophenol	128	4.409	4.408	(0.965)	572662	25.0574	25.057
26 1,3-Dichlorobenzene	146	4.527	4.525	(0.991)	544179	20.0855	20.085
27 1,4-Dichlorobenzene	146	4.586	4.584	(1.004)	580896	20.6284	20.628
28 1,2-Dichlorobenzene	146	4.698	4.701	(1.028)	581785	21.5474	21.547
217 Indene	116	4.767	4.766	(1.043)	330345	8.90631	8.9063
29 Benzyl Alcohol	108	4.677	4.675	(1.023)	321757	22.8798	22.880
30 2-Methylphenol	108	4.767	4.766	(1.043)	484706	24.3068	24.307
31 2,2'-oxybis(1-Chloropropane)	45	4.783	4.782	(1.047)	545207	18.5819	18.582
37 Acetophenone	105	4.874	4.872	(1.067)	711505	26.4782	26.478
32 N-Nitroso-di-n-propylamine	70	4.880	4.878	(1.068)	337869	24.6343	24.634
192 4-Methylphenol	108	4.880	4.878	(1.068)	475111	24.3610	24.361
34 Hexachloroethane	117	4.960	4.963	(1.085)	200179	17.7051	17.705
35 Nitrobenzene	77	5.002	5.006	(0.903)	554954	24.6206	24.621
36 N-Nitrosopyrrolidine	100	4.853	4.851	(1.062)	217022	23.0978	23.098

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
41 Isophorone	82	5.184	5.182	(0.935)	984441	25.2695	25.269
42 2-Nitrophenol	139	5.248	5.246	(0.947)	376576	26.3474	26.347
43 2,4-Dimethylphenol	107	5.280	5.284	(0.953)	561011	24.2893	24.289
44 bis(2-Chloroethoxy)methane	93	5.350	5.353	(0.965)	661451	25.2121	25.212
48 2,4-Dichlorophenol	162	5.430	5.433	(0.980)	581627	26.2091	26.209
49 Benzoic Acid	122	5.339	5.332	(0.963)	221326	15.1911	15.191(M)
50 1,2,4-Trichlorobenzene	180	5.499	5.497	(0.992)	635030	23.8350	23.835
51 Naphthalene	128	5.558	5.556	(1.003)	1871233	23.7312	23.731
52 4-Chloroaniline	127	5.595	5.594	(1.010)	662623	21.8266	21.826
54 2,6-Dichlorophenol	162	5.606	5.604	(1.012)	559850	26.5592	26.559
56 Hexachlorobutadiene	225	5.660	5.663	(1.021)	289681	19.8350	19.835
208 Caprolactam	113	5.841	5.829	(1.054)	83483	13.2919	13.292
59 4-Chloro-3-Methylphenol	107	5.964	5.962	(1.076)	520700	24.6929	24.693
62 2-Methylnaphthalene	142	6.087	6.085	(1.098)	1429473	25.4910	25.491
63 1-Methylnaphthalene	142	6.162	6.165	(1.112)	1419348	26.3365	26.336
64 Hexachlorocyclopentadiene	237	6.215	6.219	(0.902)	97302	6.05146	6.0514
65 1,2,4,5-Tetrachlorobenzene	216	6.220	6.219	(0.903)	338655	13.5754	13.575
66 2,4,6-Trichlorophenol	196	6.301	6.304	(0.915)	482817	26.7611	26.761
67 2,4,5-Trichlorophenol	196	6.327	6.331	(0.919)	517786	27.3266	27.327
209 1,1'-Biphenyl	154	6.445	6.443	(0.936)	1062624	15.8267	15.827
70 2-Chloronaphthalene	162	6.461	6.459	(0.938)	1499770	26.9714	26.971
73 2-Nitroaniline	65	6.530	6.528	(0.948)	331516	25.4616	25.462
76 Dimethylphthalate	163	6.669	6.667	(0.968)	1556546	27.5306	27.531
78 2,6-Dinitrotoluene	165	6.712	6.715	(0.974)	372665	29.2394	29.239
79 Acenaphthylene	152	6.781	6.780	(0.984)	2130595	25.4074	25.407
81 3-Nitroaniline	138	6.845	6.844	(0.994)	391283	26.4577	26.458
82 Acenaphthene	153	6.915	6.913	(1.004)	1409642	25.3501	25.350
83 2,4-Dinitrophenol	184	6.926	6.924	(1.005)	149538	20.8177	20.818
85 4-Nitrophenol	109	6.968	6.967	(1.012)	113212	19.0258	19.026
86 Dibenzofuran	168	7.048	7.047	(1.023)	2195567	27.2900	27.290
87 2,4-Dinitrotoluene	165	7.027	7.020	(1.020)	502873	29.0821	29.082
91 2,3,5,6-Tetrachlorophenol	232	7.107	7.105	(1.032)	398091	26.1059	26.106
88 2,3,4,6-Tetrachlorophenol	232	7.139	7.137	(1.036)	407523	27.3092	27.309
92 2-Naphthylamine	143	7.166	7.159	(1.040)	994665	70.1381	70.138
93 Diethylphthalate	149	7.209	7.207	(1.047)	1687791	28.7784	28.778
94 Fluorene	166	7.310	7.308	(1.061)	1656707	26.3046	26.305
95 4-Chlorophenyl-phenylether	204	7.305	7.303	(1.060)	846082	27.8308	27.831
96 4-Nitroaniline	138	7.316	7.308	(1.062)	406816	28.3260	28.326
98 4,6-Dinitro-2-methylphenol	198	7.342	7.335	(0.914)	296073	26.1126	26.112
99 N-Nitrosodiphenylamine (1)	169	7.390	7.389	(0.920)	1245318	27.4134	27.413
100 1,2-Diphenylhydrazine	77	7.428	7.426	(0.924)	1534374	23.8512	23.851
106 4-Bromophenyl-phenylether	248	7.684	7.682	(0.956)	521413	26.8777	26.878
107 Hexachlorobenzene	284	7.743	7.741	(0.963)	509293	26.8882	26.888
210 Atrazine	200	7.796	7.789	(0.970)	459608	45.1791	45.179
111 Pentachlorophenol	266	7.887	7.885	(0.981)	201812	15.6264	15.626
115 Phenanthrene	178	8.053	8.051	(1.002)	2552357	24.5112	24.511
116 Anthracene	178	8.096	8.088	(1.007)	2735223	26.3033	26.303
119 Carbazole	167	8.208	8.206	(1.021)	2511895	28.2017	28.202
120 Di-n-Butylphthalate	149	8.459	8.457	(1.053)	3085240	28.7199	28.720
123 Fluoranthene	202	8.977	8.975	(1.117)	2875957	27.7910	27.791
124 Benzidine	184	9.062	9.066	(0.895)	12526	0.88701	0.88701
125 Pyrene	202	9.159	9.162	(0.905)	3002202	24.4323	24.432
131 Butylbenzylphthalate	149	9.629	9.643	(0.951)	1359717	27.3454	27.345
135 3,3'-Dichlorobenzidine	252	10.077	10.097	(0.995)	903779	26.3109	26.311

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
136 Benzo(a)Anthracene	228	10.115	10.134	(0.999)	2796778	25.9607	25.961
137 Chrysene	228	10.147	10.166	(1.002)	2708548	26.2086	26.209
139 bis(2-ethylhexyl)Phthalate	149	10.083	10.102	(0.996)	1874811	26.1795	26.179
140 Di-n-octylphthalate	149	10.633	10.663	(0.920)	3654561	27.0809	27.081
141 Benzo(b)fluoranthene	252	11.130	11.155	(0.963)	3344534	24.4185	24.418
142 Benzo(k)fluoranthene	252	11.157	11.181	(0.965)	3422174	26.1979	26.198
143 7,12-dimethylbenz[a]anthracen	256	11.108	11.139	(0.961)	1408473	26.1178	26.118
146 Benzo(a)pyrene	252	11.493	11.523	(0.994)	2904761	29.1555	29.155
149 Indeno(1,2,3-cd)pyrene	276	13.000	13.024	(1.125)	3125840	27.0846	27.084
150 Dibenz(a,h)anthracene	278	13.010	13.035	(1.126)	2619583	27.2334	27.233
151 Benzo(g,h,i)perylene	276	13.438	13.457	(1.163)	2673889	27.4476	27.448
$ 154 Nitrobenzene-d5	82	4.992	4.990	(0.901)	498043	22.3311	22.331
$ 155 2-Fluorobiphenyl	172	6.365	6.368	(0.924)	681447	11.4679	11.468(R)
$ 156 Terphenyl-d14	244	9.260	9.264	(0.915)	1888189	26.1143	26.114
$ 157 Phenol-d5	99	4.303	4.301	(0.942)	671458	30.4838	30.484
$ 158 2-Fluorophenol	112	3.555	3.558	(0.778)	531192	33.5529	33.553
$ 159 2,4,6-Tribromophenol	330	7.497	7.495	(0.933)	318844	41.2640	41.264
$ 186 2-Chlorophenol-d4	132	4.399	4.397	(0.963)	815058	36.4273	36.427
$ 187 1,2-Dichlorobenzene-d4	152	4.687	4.691	(1.026)	145114	8.88221	8.8822(R)

QC Flag Legend

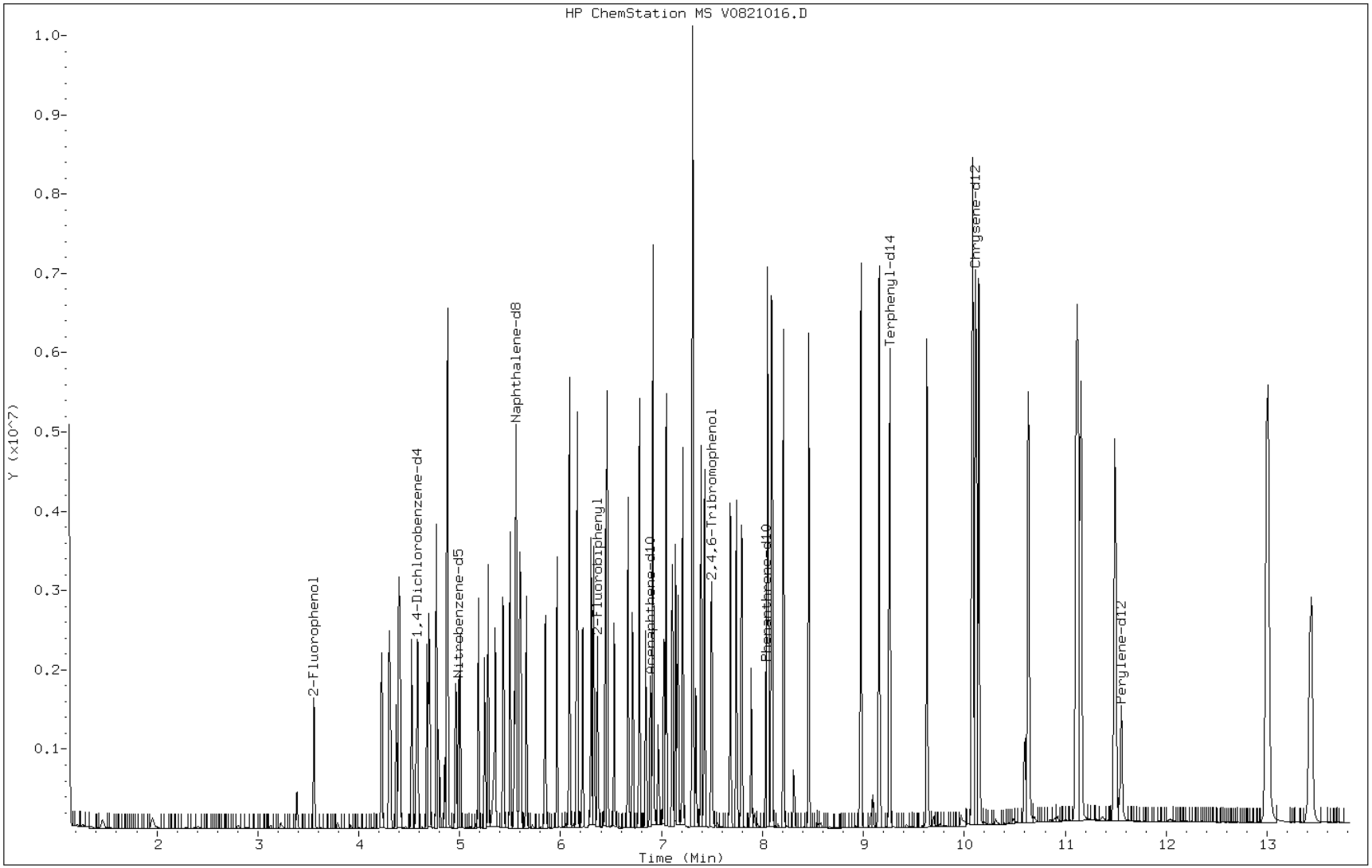
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: V0821016.D

Date: 21-AUG-2012 18:16

Client ID: Instrument: 731.i

Sample Info: LCS 180-45557/2-A Operator: 003200



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 180-45791/2-A
Matrix: Water
Lab File ID: V0824027.D
Analysis Method: 8270C
Date Collected:
Extract. Method: 3520C
Date Extracted: 08/21/2012 14:30
Sample wt/vol: 200(mL)
Date Analyzed: 08/24/2012 18:58
Con. Extract Vol.: 10.0(mL)
Dilution Factor: 1
Injection Volume: 2(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 46317
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-46-7	1,4-Dichlorobenzene	187		50	3.7
95-95-4	2,4,5-Trichlorophenol	184		50	7.6
88-06-2	2,4,6-Trichlorophenol	185		50	8.7
121-14-2	2,4-Dinitrotoluene	181		50	2.7
95-48-7	2-Methylphenol	203		50	4.3
118-74-1	Hexachlorobenzene	173		10	0.92
87-68-3	Hexachlorobutadiene	187		10	0.83
67-72-1	Hexachloroethane	187		50	3.1
98-95-3	Nitrobenzene	192		100	4.2
87-86-5	Pentachlorophenol	159		50	3.3
110-86-1	Pyridine	213		50	3.6
106-44-5	Methylphenol, 3 & 4	452		50	4.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	77		35-108
367-12-4	2-Fluorophenol	87		26-100
4165-60-0	Nitrobenzene-d5	77		37-104
4165-62-2	Phenol-d5	86		30-102
1718-51-0	Terphenyl-d14	75		25-130
118-79-6	2,4,6-Tribromophenol	72		33-122

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV082412.b\V0824027.D
Lab Smp Id: LCS 180-45791/2-A
Inj Date : 24-AUG-2012 18:58
Operator : 003200 Inst ID: 731.i
Smp Info : LCS 180-45791/2-A
Misc Info : TV082412.b,T8270ll.m,tclp.sub
Comment :
Method : \\PITSVR06\D\chem\731.i\TV082412.b\T8270ll.m
Meth Date : 25-Aug-2012 10:03 731.i Quant Type: ISTD
Cal Date : 13-AUG-2012 12:35 Cal File: V0813IC8.D
Als bottle: 29
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: tclp.sub
Target Version: 4.14
Processing Host: PITPC-502

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

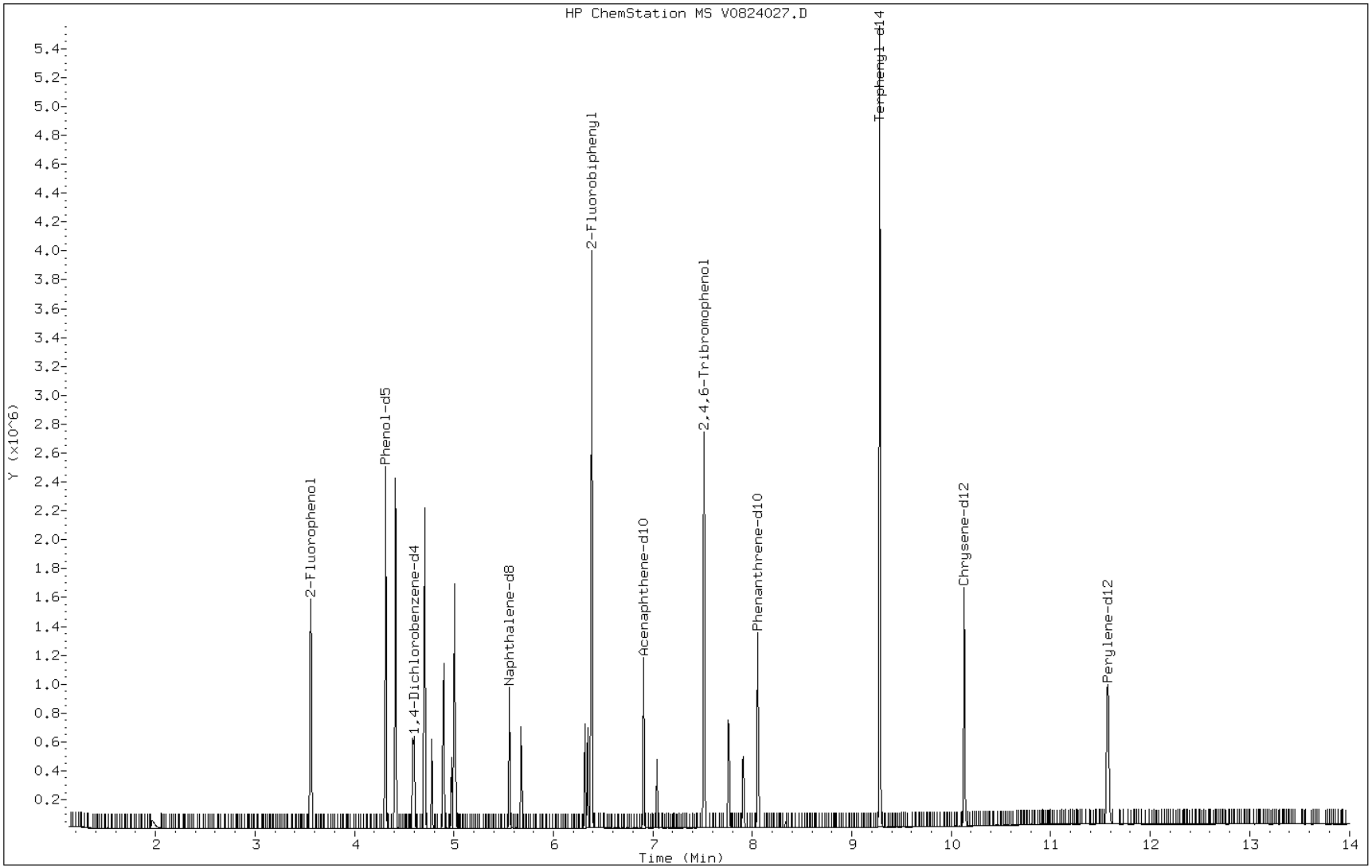
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
* 1 1,4-Dichlorobenzene-d4	152	4.586	4.597	(1.000)	85907	8.00000	
* 2 Naphthalene-d8	136	5.558	5.569	(1.000)	390505	8.00000	
* 3 Acenaphthene-d10	164	6.910	6.920	(1.000)	257512	8.00000	
* 4 Phenanthrene-d10	188	8.053	8.074	(1.000)	486348	8.00000	
* 5 Chrysene-d12	240	10.131	10.147	(1.000)	555374	8.00000	
* 6 Perylene-d12	264	11.573	11.600	(1.000)	584151	8.00000	
9 Pyridine	79	1.968	1.984	(0.429)	53638	8.50205	8.5020
27 1,4-Dichlorobenzene	146	4.597	4.613	(1.002)	131647	7.49159	7.4916
M 195 Cresols, total	100				321092	26.2005	26.200
30 2-Methylphenol	108	4.778	4.789	(1.042)	101066	8.12174	8.1217
192 4-Methylphenol	108	4.896	4.906	(1.068)	220026	18.0788	18.079
34 Hexachloroethane	117	4.976	4.992	(1.085)	52648	7.46202	7.4620
35 Nitrobenzene	77	5.019	5.029	(0.903)	107105	7.66036	7.6604
56 Hexachlorobutadiene	225	5.676	5.692	(1.021)	67728	7.47614	7.4761
66 2,4,6-Trichlorophenol	196	6.317	6.333	(0.914)	87633	7.41527	7.4153
67 2,4,5-Trichlorophenol	196	6.343	6.359	(0.918)	91535	7.37498	7.3750
87 2,4-Dinitrotoluene	165	7.043	7.054	(1.019)	82200	7.25733	7.2573
107 Hexachlorobenzene	284	7.764	7.780	(0.964)	89024	6.91134	6.9113
111 Pentachlorophenol	266	7.909	7.925	(0.982)	55891	6.36378	6.3638
$ 154 Nitrobenzene-d5	82	5.003	5.013	(0.900)	427425	30.8958	30.896
$ 155 2-Fluorobiphenyl	172	6.386	6.397	(0.924)	1192444	30.6356	30.636
$ 156 Terphenyl-d14	244	9.282	9.298	(0.916)	1596893	29.8230	29.823
$ 157 Phenol-d5	99	4.313	4.324	(0.941)	712568	51.8407	51.841
$ 158 2-Fluorophenol	112	3.560	3.571	(0.776)	517017	52.3334	52.333
$ 159 2,4,6-Tribromophenol	330	7.513	7.529	(0.933)	225892	42.9888	42.989

Data File: V0824027.D

Date: 24-AUG-2012 18:58

Client ID: Instrument: 731.i

Sample Info: LCS 180-45791/2-A Operator: 003200



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-13537-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 180-45557/3-A

Matrix: Water | Lab File ID: V0821017.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3520C | Date Extracted: 08/20/2012 10:22

Sample wt/vol: 1000(mL) | Date Analyzed: 08/21/2012 18:41

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.: 45848 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	12.5		0.20	0.014
208-96-8	Acenaphthylene	12.5		0.20	0.015
98-86-2	Acetophenone	12.8		1.0	0.080
120-12-7	Anthracene	12.7		0.20	0.15
1912-24-9	Atrazine	21.5		1.0	0.089
100-52-7	Benzaldehyde	15.5		1.0	0.15
56-55-3	Benzo[a]anthracene	13.0		0.20	0.015
205-99-2	Benzo[b]fluoranthene	11.4		0.20	0.016
207-08-9	Benzo[k]fluoranthene	13.7		0.20	0.055
191-24-2	Benzo[g,h,i]perylene	13.5		0.20	0.015
50-32-8	Benzo[a]pyrene	14.5		0.20	0.013
111-91-1	Bis(2-chloroethoxy)methane	12.4		1.0	0.058
111-44-4	Bis(2-chloroethyl)ether	12.1		0.20	0.025
117-81-7	Bis(2-ethylhexyl) phthalate	13.3		2.0	1.3
85-68-7	Butyl benzyl phthalate	13.6		1.0	0.14
92-52-4	1,1'-Biphenyl	7.87		1.0	0.042
105-60-2	Caprolactam	6.87		5.0	1.2
86-74-8	Carbazole	14.2		0.20	0.016
218-01-9	Chrysene	13.8		0.20	0.014
91-58-7	2-Chloronaphthalene	13.3		0.20	0.015
95-57-8	2-Chlorophenol	12.2		1.0	0.17
120-83-2	2,4-Dichlorophenol	12.8		0.20	0.033
105-67-9	2,4-Dimethylphenol	11.9		1.0	0.085
51-28-5	2,4-Dinitrophenol	9.51		5.0	0.61
121-14-2	2,4-Dinitrotoluene	14.7		1.0	0.054
606-20-2	2,6-Dinitrotoluene	14.3		1.0	0.080
91-57-6	2-Methylnaphthalene	12.3		0.20	0.012
95-48-7	2-Methylphenol	11.7		1.0	0.086
88-74-4	2-Nitroaniline	12.6		5.0	0.35
88-75-5	2-Nitrophenol	13.0		1.0	0.17
108-60-1	2,2'-oxybis[1-chloropropane]	10.0		0.20	0.020
95-95-4	2,4,5-Trichlorophenol	13.6		1.0	0.15
88-06-2	2,4,6-Trichlorophenol	13.2		1.0	0.17
100-01-6	4-Nitroaniline	14.2		5.0	0.17

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-13537-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 180-45557/3-A

Matrix: Water | Lab File ID: V0821017.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3520C | Date Extracted: 08/20/2012 10:22

Sample wt/vol: 1000(mL) | Date Analyzed: 08/21/2012 18:41

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.: 45848 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	9.59		5.0	0.65
7005-72-3	4-Chlorophenyl phenyl ether	13.9		1.0	0.050
106-44-5	Methylphenol, 3 & 4	11.9		1.0	0.090
534-52-1	4,6-Dinitro-2-methylphenol	12.8		5.0	0.22
106-47-8	4-Chloroaniline	10.4		1.0	0.089
59-50-7	4-Chloro-3-methylphenol	11.9		1.0	0.075
101-55-3	4-Bromophenyl phenyl ether	13.0		1.0	0.064
53-70-3	Dibenz(a,h)anthracene	13.6		0.20	0.016
132-64-9	Dibenzofuran	13.4		1.0	0.062
84-74-2	Di-n-butyl phthalate	14.3		1.0	0.12
84-66-2	Diethyl phthalate	14.0		1.0	0.15
131-11-3	Dimethyl phthalate	14.0		1.0	0.077
117-84-0	Di-n-octyl phthalate	13.7		1.0	0.21
91-94-1	3,3'-Dichlorobenzidine	13.1		1.0	0.11
99-09-2	3-Nitroaniline	13.4		5.0	0.32
206-44-0	Fluoranthene	13.6		0.20	0.016
86-73-7	Fluorene	13.1		0.20	0.022
118-74-1	Hexachlorobenzene	13.3		0.20	0.018
87-68-3	Hexachlorobutadiene	9.82		0.20	0.017
77-47-4	Hexachlorocyclopentadiene	2.99		1.0	0.052
67-72-1	Hexachloroethane	8.73		1.0	0.063
193-39-5	Indeno[1,2,3-cd]pyrene	13.5		0.20	0.020
78-59-1	Isophorone	13.0		1.0	0.064
91-20-3	Naphthalene	11.6		0.20	0.014
98-95-3	Nitrobenzene	12.1		2.0	0.084
86-30-6	N-Nitrosodiphenylamine	13.6		1.0	0.085
621-64-7	N-Nitrosodi-n-propylamine	11.7		0.20	0.031
129-00-0	Pyrene	12.1		0.20	0.016
108-95-2	Phenol	8.86		0.20	0.058
85-01-8	Phenanthrene	12.1		0.20	0.043
87-86-5	Pentachlorophenol	7.74		1.0	0.066
123-91-1	1,4-Dioxane	8.60		2.0	0.14

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 180-45557/3-A
Matrix: Water
Lab File ID: V0821017.D
Analysis Method: 8270C LL
Date Collected:
Extract. Method: 3520C
Date Extracted: 08/20/2012 10:22
Sample wt/vol: 1000(mL)
Date Analyzed: 08/21/2012 18:41
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.: 45848
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	68		16-122
321-60-8	2-Fluorobiphenyl	29		19-107
367-12-4	2-Fluorophenol	55		10-111
4165-60-0	Nitrobenzene-d5	55		23-112
4165-62-2	Phenol-d5	50		15-112
1718-51-0	Terphenyl-d14	68		10-132

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV082112.b\V0821017.D
Lab Smp Id: LCSD 180-45557/3-A
Inj Date : 21-AUG-2012 18:41
Operator : 003200 Inst ID: 731.i
Smp Info : LCSD 180-45557/3-A
Misc Info : TV082112.b,T8270ll.m,padepi.sub
Comment :
Method : \\PITSVR06\D\chem\731.i\TV082112.b\T8270ll.m
Meth Date : 22-Aug-2012 01:41 piccolinov Quant Type: ISTD
Cal Date : 13-AUG-2012 12:35 Cal File: V0813IC8.D
Als bottle: 19
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	4.577	4.573	(1.000)	137551	8.00000	
* 2 Naphthalene-d8	136	5.549	5.540	(1.000)	623403	8.00000	
* 3 Acenaphthene-d10	164	6.895	6.892	(1.000)	382778	8.00000	
* 4 Phenanthrene-d10	188	8.044	8.035	(1.000)	704607	8.00000	
* 5 Chrysene-d12	240	10.143	10.140	(1.000)	747997	8.00000	
* 6 Perylene-d12	264	11.591	11.582	(1.000)	807463	8.00000	
198 1,4-Dioxane	88	1.462	1.453	(0.320)	73625	17.2029	17.203
10 N-Nitrosodimethylamine	74	1.970	1.956	(0.430)	108567	18.7816	18.782
9 Pyridine	79	2.023	1.988	(0.442)	5673	0.56160	0.56160(M)
16 Methyl methanesulfonate	80	3.396	3.387	(0.742)	160953	21.7408	21.741
206 Benzaldehyde	77	4.235	4.226	(0.925)	351562	31.0093	31.009
21 Aniline	93	4.321	4.317	(0.944)	162900	6.33670	6.3367
22 Phenol	94	4.315	4.311	(0.943)	457293	17.7133	17.713
23 bis(2-Chloroethyl)ether	93	4.379	4.370	(0.957)	441243	24.2061	24.206
24 2-Chlorophenol	128	4.417	4.408	(0.965)	555516	24.3273	24.327
26 1,3-Dichlorobenzene	146	4.534	4.525	(0.991)	538767	19.9022	19.902
27 1,4-Dichlorobenzene	146	4.588	4.584	(1.002)	575072	20.4385	20.438
28 1,2-Dichlorobenzene	146	4.705	4.701	(1.028)	563384	20.8832	20.883
217 Indene	116	4.775	4.766	(1.043)	315748	8.51982	8.5198
29 Benzyl Alcohol	108	4.684	4.675	(1.023)	299762	21.3335	21.333
30 2-Methylphenol	108	4.775	4.766	(1.043)	467026	23.4396	23.440
31 2,2'-oxybis(1-Chloropropane)	45	4.791	4.782	(1.047)	588901	20.0877	20.088
37 Acetophenone	105	4.881	4.872	(1.067)	689895	25.5745	25.574
32 N-Nitroso-di-n-propylamine	70	4.887	4.878	(1.068)	321237	23.4410	23.441
192 4-Methylphenol	108	4.887	4.878	(1.068)	463727	23.7970	23.797
34 Hexachloroethane	117	4.967	4.963	(1.085)	197227	17.4585	17.458
35 Nitrobenzene	77	5.010	5.006	(0.903)	539069	24.1513	24.151
36 N-Nitrosopyrrolidine	100	4.860	4.851	(1.062)	207456	22.0980	22.098

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
41 Isophorone	82	5.191	5.182	(0.936)	1000194	25.9266	25.927
42 2-Nitrophenol	139	5.255	5.246	(0.947)	367366	25.9561	25.956
43 2,4-Dimethylphenol	107	5.287	5.284	(0.953)	542976	23.7399	23.740
44 bis(2-Chloroethoxy)methane	93	5.357	5.353	(0.965)	645260	24.8372	24.837
48 2,4-Dichlorophenol	162	5.442	5.433	(0.981)	564577	25.6913	25.691
49 Benzoic Acid	122	5.346	5.332	(0.963)	210918	14.6192	14.619(M)
50 1,2,4-Trichlorobenzene	180	5.506	5.497	(0.992)	600359	22.7555	22.756
51 Naphthalene	128	5.565	5.556	(1.003)	1804424	23.1093	23.109
52 4-Chloroaniline	127	5.603	5.594	(1.010)	623165	20.7289	20.729
54 2,6-Dichlorophenol	162	5.613	5.604	(1.012)	547783	26.2426	26.242
56 Hexachlorobutadiene	225	5.667	5.663	(1.021)	284156	19.6482	19.648
208 Caprolactam	113	5.848	5.829	(1.054)	85409	13.7324	13.732
59 4-Chloro-3-Methylphenol	107	5.971	5.962	(1.076)	498727	23.8838	23.884
62 2-Methylnaphthalene	142	6.094	6.085	(1.098)	1366715	24.6119	24.612
63 1-Methylnaphthalene	142	6.169	6.165	(1.112)	1386381	25.9781	25.978
64 Hexachlorocyclopentadiene	237	6.222	6.219	(0.902)	93617	5.97972	5.9797
65 1,2,4,5-Tetrachlorobenzene	216	6.228	6.219	(0.903)	333248	13.7199	13.720
66 2,4,6-Trichlorophenol	196	6.313	6.304	(0.916)	464862	26.4627	26.463
67 2,4,5-Trichlorophenol	196	6.340	6.331	(0.919)	500504	27.1289	27.129
209 1,1'-Biphenyl	154	6.452	6.443	(0.936)	1028524	15.7330	15.733
70 2-Chloronaphthalene	162	6.468	6.459	(0.938)	1445348	26.6956	26.696
73 2-Nitroaniline	65	6.538	6.528	(0.948)	320013	25.2428	25.243
76 Dimethylphthalate	163	6.676	6.667	(0.968)	1536021	27.9022	27.902
78 2,6-Dinitrotoluene	165	6.725	6.715	(0.975)	356041	28.6905	28.690
79 Acenaphthylene	152	6.789	6.780	(0.985)	2034083	24.9124	24.912
81 3-Nitroaniline	138	6.853	6.844	(0.994)	384787	26.7221	26.722
82 Acenaphthene	153	6.922	6.913	(1.004)	1352445	24.9792	24.979
83 2,4-Dinitrophenol	184	6.933	6.924	(1.005)	133020	19.0189	19.019
85 4-Nitrophenol	109	6.976	6.967	(1.012)	111090	19.1740	19.174
86 Dibenzofuran	168	7.056	7.047	(1.023)	2100272	26.8115	26.811
87 2,4-Dinitrotoluene	165	7.034	7.020	(1.020)	496412	29.4848	29.485
91 2,3,5,6-Tetrachlorophenol	232	7.114	7.105	(1.032)	373260	25.1394	25.139
88 2,3,4,6-Tetrachlorophenol	232	7.152	7.137	(1.037)	404837	27.8628	27.863
92 2-Naphthylamine	143	7.173	7.159	(1.040)	979811	71.5009	71.501
93 Diethylphthalate	149	7.216	7.207	(1.046)	1594111	27.9161	27.916
94 Fluorene	166	7.317	7.308	(1.061)	1606213	26.1925	26.192
95 4-Chlorophenyl-phenylether	204	7.312	7.303	(1.060)	823545	27.8220	27.822
96 4-Nitroaniline	138	7.323	7.308	(1.062)	398101	28.4687	28.469
98 4,6-Dinitro-2-methylphenol	198	7.350	7.335	(0.914)	286887	25.6817	25.682
99 N-Nitrosodiphenylamine (1)	169	7.403	7.389	(0.920)	1213649	27.1167	27.117
100 1,2-Diphenylhydrazine	77	7.435	7.426	(0.924)	1466687	23.1408	23.141
106 4-Bromophenyl-phenylether	248	7.691	7.682	(0.956)	497899	26.0503	26.050
107 Hexachlorobenzene	284	7.750	7.741	(0.963)	497819	26.6764	26.676
210 Atrazine	200	7.804	7.789	(0.970)	434726	43.0954	43.095
111 Pentachlorophenol	266	7.894	7.885	(0.981)	196881	15.4731	15.473
115 Phenanthrene	178	8.060	8.051	(1.002)	2489404	24.2649	24.265
116 Anthracene	178	8.103	8.088	(1.007)	2611402	25.4889	25.489
119 Carbazole	167	8.220	8.206	(1.022)	2483961	28.3061	28.306
120 Di-n-Butylphthalate	149	8.466	8.457	(1.052)	3023104	28.5633	28.563
123 Fluoranthene	202	8.990	8.975	(1.118)	2782546	27.2914	27.291
124 Benzidine	184	9.075	9.066	(0.895)	11820	0.86339	0.86339
125 Pyrene	202	9.171	9.162	(0.904)	2968637	24.2220	24.222
131 Butylbenzylphthalate	149	9.647	9.643	(0.951)	1349872	27.2181	27.218
135 3,3'-Dichlorobenzidine	252	10.101	10.097	(0.996)	899787	26.2628	26.263

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
136 Benzo(a)Anthracene	228	10.133	10.134	(0.999)	2796864	26.0291	26.029
137 Chrysene	228	10.165	10.166	(1.002)	2845045	27.6011	27.601
139 bis(2-ethylhexyl)Phthalate	149	10.106	10.102	(0.996)	1893107	26.5038	26.504
140 Di-n-octylphthalate	149	10.662	10.663	(0.920)	3677687	27.4228	27.423
141 Benzo(b)fluoranthene	252	11.158	11.155	(0.963)	3100527	22.7787	22.779
142 Benzo(k)fluoranthene	252	11.185	11.181	(0.965)	3546496	27.3196	27.320
143 7,12-dimethylbenz[a]anthracen	256	11.142	11.139	(0.961)	1386033	25.8625	25.862
146 Benzo(a)pyrene	252	11.527	11.523	(0.994)	2875065	29.0380	29.038
149 Indeno(1,2,3-cd)pyrene	276	13.044	13.024	(1.125)	3092392	26.9625	26.962
150 Dibenz(a,h)anthracene	278	13.055	13.035	(1.126)	2602621	27.2263	27.226
151 Benzo(g,h,i)perylene	276	13.482	13.457	(1.163)	2622486	27.0884	27.088
$ 154 Nitrobenzene-d5	82	4.999	4.990	(0.901)	487923	22.0927	22.093
$ 155 2-Fluorobiphenyl	172	6.372	6.368	(0.924)	664292	11.4815	11.481(R)
$ 156 Terphenyl-d14	244	9.273	9.264	(0.914)	1954722	27.1048	27.105
$ 157 Phenol-d5	99	4.305	4.301	(0.940)	657386	29.8696	29.870
$ 158 2-Fluorophenol	112	3.562	3.558	(0.778)	523750	33.1103	33.110
$ 159 2,4,6-Tribromophenol	330	7.504	7.495	(0.933)	311729	40.9479	40.948
$ 186 2-Chlorophenol-d4	132	4.406	4.397	(0.963)	789151	35.2987	35.299
$ 187 1,2-Dichlorobenzene-d4	152	4.694	4.691	(1.026)	140753	8.62242	8.6224(R)

QC Flag Legend

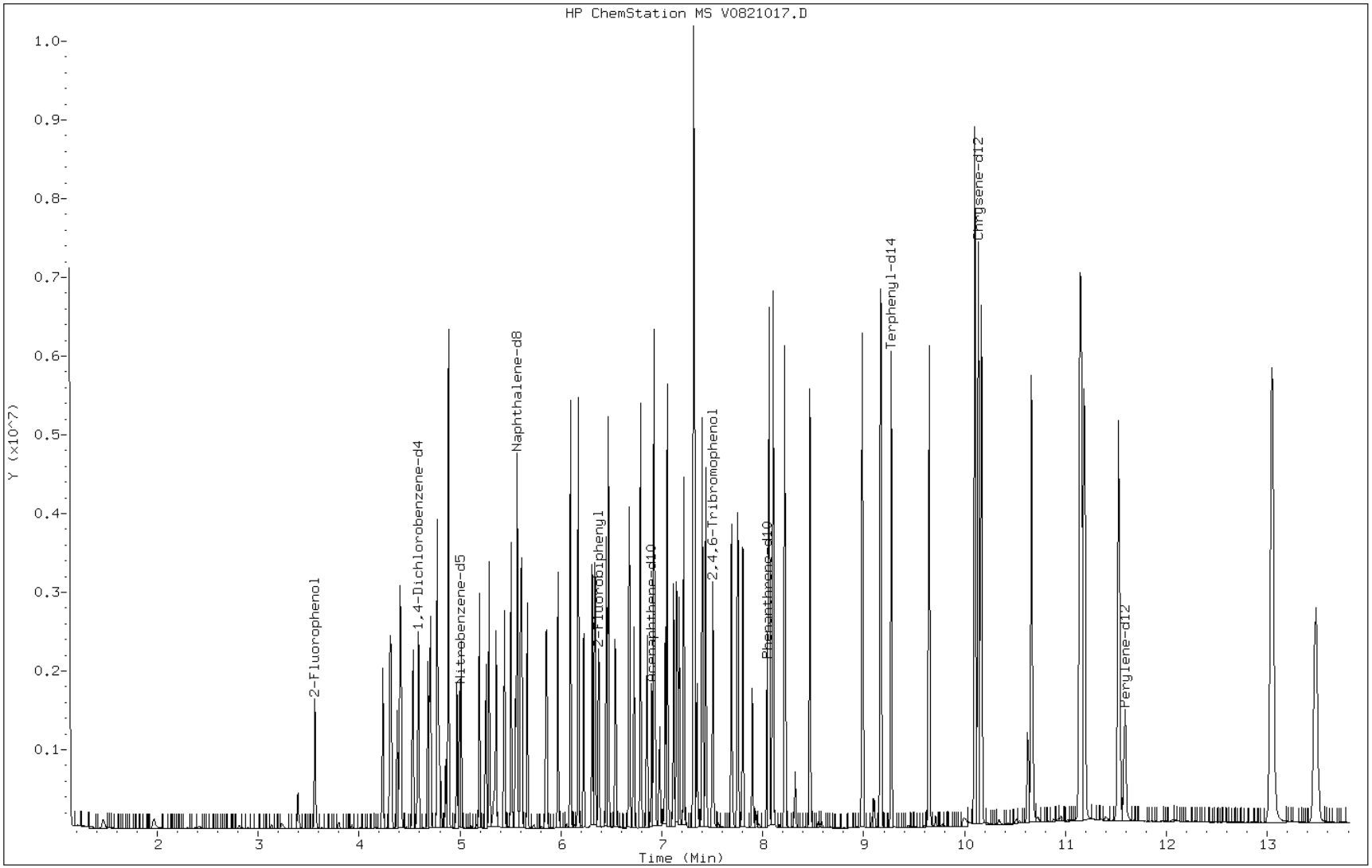
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: V0821017.D

Date: 21-AUG-2012 18:41

Client ID: Instrument: 731.i

Sample Info: LCSD 180-45557/3-A Operator: 003200



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 180-45791/3-A
Matrix: Water
Lab File ID: V0824028.D
Analysis Method: 8270C
Date Collected:
Extract. Method: 3520C
Date Extracted: 08/21/2012 14:30
Sample wt/vol: 200(mL)
Date Analyzed: 08/24/2012 19:23
Con. Extract Vol.: 10.0(mL)
Dilution Factor: 1
Injection Volume: 2(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 46317
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-46-7	1,4-Dichlorobenzene	174		50	3.7
95-95-4	2,4,5-Trichlorophenol	176		50	7.6
88-06-2	2,4,6-Trichlorophenol	171		50	8.7
121-14-2	2,4-Dinitrotoluene	167		50	2.7
95-48-7	2-Methylphenol	186		50	4.3
118-74-1	Hexachlorobenzene	172		10	0.92
87-68-3	Hexachlorobutadiene	175		10	0.83
67-72-1	Hexachloroethane	176		50	3.1
98-95-3	Nitrobenzene	180		100	4.2
87-86-5	Pentachlorophenol	135		50	3.3
110-86-1	Pyridine	198		50	3.6
106-44-5	Methylphenol, 3 & 4	415		50	4.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	72		35-108
367-12-4	2-Fluorophenol	81		26-100
4165-60-0	Nitrobenzene-d5	71		37-104
4165-62-2	Phenol-d5	81		30-102
1718-51-0	Terphenyl-d14	71		25-130
118-79-6	2,4,6-Tribromophenol	68		33-122

TestAmerica Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\D\chem\731.i\TV082412.b\V0824028.D
Lab Smp Id: LCSD 180-45791/3-A
Inj Date : 24-AUG-2012 19:23
Operator : 003200 Inst ID: 731.i
Smp Info : LCSD 180-45791/3-A
Misc Info : TV082412.b,T8270ll.m,tclp.sub
Comment :
Method : \\PITSVR06\D\chem\731.i\TV082412.b\T8270ll.m
Meth Date : 25-Aug-2012 10:03 731.i Quant Type: ISTD
Cal Date : 13-AUG-2012 12:35 Cal File: V0813IC8.D
Als bottle: 30
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: tclp.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	4.594	4.597	(1.000)	94265	8.00000	
* 2 Naphthalene-d8	136	5.561	5.569	(1.000)	428597	8.00000	
* 3 Acenaphthene-d10	164	6.912	6.920	(1.000)	278167	8.00000	
* 4 Phenanthrene-d10	188	8.061	8.074	(1.000)	535173	8.00000	
* 5 Chrysene-d12	240	10.144	10.147	(1.000)	611805	8.00000	
* 6 Perylene-d12	264	11.592	11.600	(1.000)	638508	8.00000	
9 Pyridine	79	1.976	1.984	(0.430)	54761	7.91044	7.9104(M)
27 1,4-Dichlorobenzene	146	4.604	4.613	(1.002)	134373	6.96872	6.9687
M 195 Cresols, total	100				323588	24.0631	24.063
30 2-Methylphenol	108	4.786	4.789	(1.042)	101863	7.46000	7.4600
192 4-Methylphenol	108	4.898	4.906	(1.066)	221725	16.6031	16.603
34 Hexachloroethane	117	4.984	4.992	(1.085)	54350	7.02025	7.0202
35 Nitrobenzene	77	5.026	5.029	(0.904)	110793	7.21986	7.2199
56 Hexachlorobutadiene	225	5.683	5.692	(1.022)	69627	7.00268	7.0027
66 2,4,6-Trichlorophenol	196	6.325	6.333	(0.915)	87523	6.85604	6.8560
67 2,4,5-Trichlorophenol	196	6.351	6.359	(0.919)	94653	7.05992	7.0599
87 2,4-Dinitrotoluene	165	7.046	7.054	(1.019)	81925	6.69597	6.6960
107 Hexachlorobenzene	284	7.767	7.780	(0.964)	97736	6.89545	6.8954
111 Pentachlorophenol	266	7.916	7.925	(0.982)	52280	5.40956	5.4096
$ 154 Nitrobenzene-d5	82	5.010	5.013	(0.901)	432603	28.4910	28.491
$ 155 2-Fluorobiphenyl	172	6.389	6.397	(0.924)	1207332	28.7149	28.715
$ 156 Terphenyl-d14	244	9.289	9.298	(0.916)	1679904	28.4795	28.480
$ 157 Phenol-d5	99	4.316	4.324	(0.940)	736365	48.8221	48.822
$ 158 2-Fluorophenol	112	3.568	3.571	(0.777)	524830	48.4140	48.414
$ 159 2,4,6-Tribromophenol	330	7.521	7.529	(0.933)	236827	40.9580	40.958

QC Flag Legend

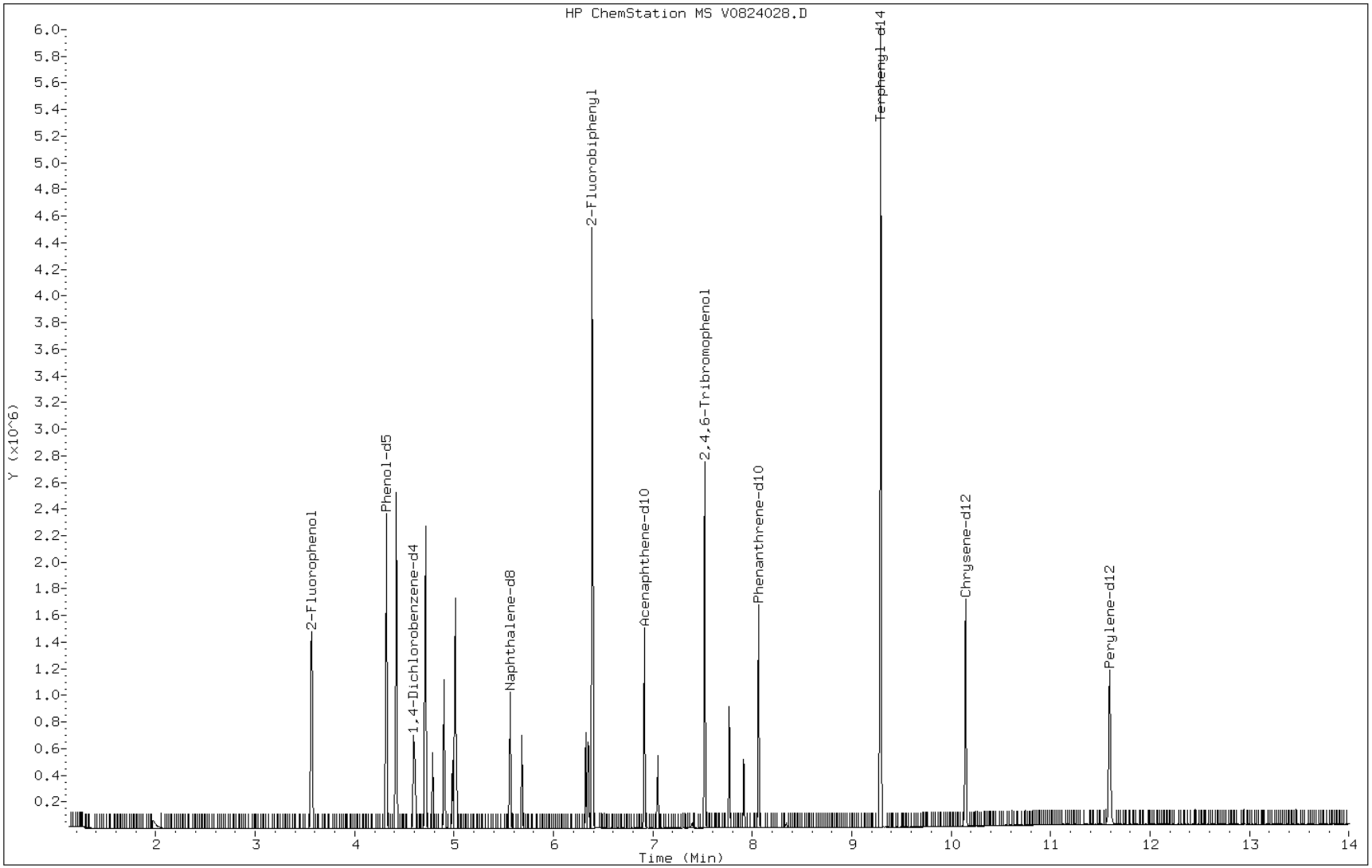
M - Compound response manually integrated.

Data File: V0824028.D

Date: 24-AUG-2012 19:23

Client ID: Instrument: 731.i

Sample Info: LCSD 180-45791/3-A Operator: 003200



Manual Integration Report

Data File: V0824028.D
Inj. Date and Time: 24-AUG-2012 19:23
Instrument ID: 731.i
Client ID:
Compound: 9 Pyridine
CAS #: 110-86-1
Report Date: 08/25/2012

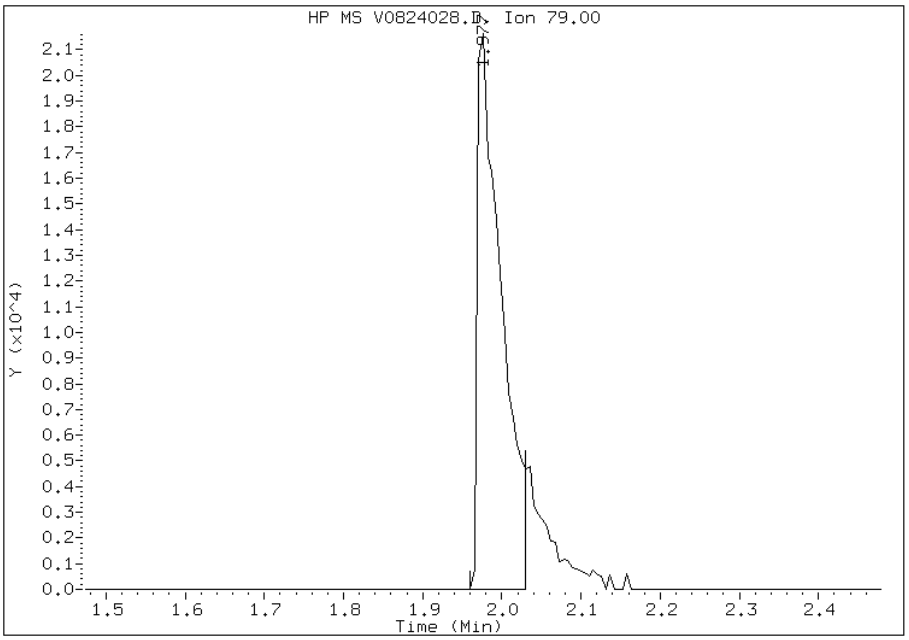
Processing Integration Results

RT: 1.98

Response: 45612

Amount: 7

Conc: 7



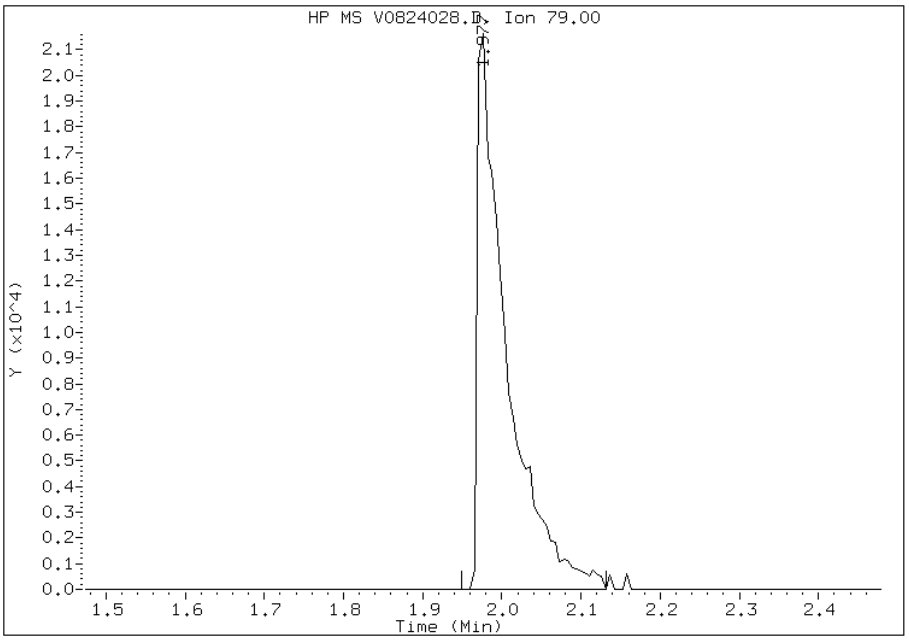
Manual Integration Results

RT: 1.98

Response: 54761

Amount: 8

Conc: 8



Manually Integrated By: piccolinov
Modification Date: 25-Aug-2012 10:41
Manual Integration Reason: Poor Chromatography

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: 731 Start Date: 08/13/2012 09:36

Analysis Batch Number: 44802 End Date: 08/13/2012 12:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 180-44802/1		08/13/2012 09:36	1	V0813DF1.D	Rxi-5SilMS 0.32(mm)
IC 180-44802/2		08/13/2012 09:53	1	V0813IC1.D	Rxi-5SilMS 0.32(mm)
IC 180-44802/3		08/13/2012 10:16	1	V0813IC2.D	Rxi-5SilMS 0.32(mm)
ICIS 180-44802/4		08/13/2012 10:39	1	V0813IC3.D	Rxi-5SilMS 0.32(mm)
IC 180-44802/5		08/13/2012 11:02	1	V0813IC4.D	Rxi-5SilMS 0.32(mm)
IC 180-44802/6		08/13/2012 11:25	1	V0813IC5.D	Rxi-5SilMS 0.32(mm)
IC 180-44802/7		08/13/2012 11:48	1	V0813IC6.D	Rxi-5SilMS 0.32(mm)
IC 180-44802/8		08/13/2012 12:12	1	V0813IC7.D	Rxi-5SilMS 0.32(mm)
IC 180-44802/9		08/13/2012 12:35	1	V0813IC8.D	Rxi-5SilMS 0.32(mm)
ICV 180-44802/10		08/13/2012 12:59	1		Rxi-5SilMS 0.32(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: 731 Start Date: 08/24/2012 15:45

Analysis Batch Number: 46317 End Date: 08/25/2012 03:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 180-46317/25		08/24/2012 15:45	1	V0824DF1.D	Rxi-5SilMS 0.32(mm)
CCVIS 180-46317/24		08/24/2012 16:06	1	V08240CC.D	Rxi-5SilMS 0.32(mm)
ZZZZZ		08/24/2012 16:56	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/24/2012 17:20	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/24/2012 18:09	1		Rxi-5SilMS 0.32(mm)
MB 180-45791/1-A		08/24/2012 18:34	1	V0824026.D	Rxi-5SilMS 0.32(mm)
LCS 180-45791/2-A		08/24/2012 18:58	1	V0824027.D	Rxi-5SilMS 0.32(mm)
LCSD 180-45791/3-A		08/24/2012 19:23	1	V0824028.D	Rxi-5SilMS 0.32(mm)
ZZZZZ		08/24/2012 19:48	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/24/2012 20:13	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/24/2012 20:37	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/24/2012 21:51	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/24/2012 22:15	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/24/2012 22:40	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/24/2012 23:04	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/24/2012 23:29	4		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/24/2012 23:54	4		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/25/2012 00:18	4		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/25/2012 00:43	4		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/25/2012 01:08	4		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/25/2012 01:33	1		Rxi-5SilMS 0.32(mm)
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ZZZZZ		08/25/2012 02:48	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/25/2012 03:13	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/25/2012 03:38	1		Rxi-5SilMS 0.32(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: 731 Start Date: 08/25/2012 14:09

Analysis Batch Number: 46366 End Date: 08/25/2012 18:53

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 180-46366/13		08/25/2012 14:09	1	V0825DF1.D	Rxi-5SilMS 0.32(mm)
CCVIS 180-46366/12		08/25/2012 14:27	1	V08250CC.D	Rxi-5SilMS 0.32(mm)
ZZZZZ		08/25/2012 14:51	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/25/2012 15:14	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/25/2012 15:37	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/25/2012 16:01	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/25/2012 16:25	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/25/2012 16:50	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/25/2012 17:15	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/25/2012 17:39	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/25/2012 18:04	1		Rxi-5SilMS 0.32(mm)
180-13537-7	IDW-1	08/25/2012 18:28	1	V0825010.D	Rxi-5SilMS 0.32(mm)
ZZZZZ		08/25/2012 18:53	1		Rxi-5SilMS 0.32(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: 731 Start Date: 08/21/2012 14:46

Analysis Batch Number: 45848 End Date: 08/22/2012 02:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 180-45848/31		08/21/2012 14:46	1	V0821DF1.D	Rxi-5SilMS 0.32(mm)
CCVIS 180-45848/30		08/21/2012 15:03	1	V08210CC.D	Rxi-5SilMS 0.32(mm)
ZZZZZ		08/21/2012 15:27	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/21/2012 15:51	1		Rxi-5SilMS 0.32(mm)
MB 180-45557/1-A		08/21/2012 16:15	1	V0821015.D	Rxi-5SilMS 0.32(mm)
ZZZZZ		08/21/2012 16:39	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/21/2012 17:03	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/21/2012 17:28	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/21/2012 17:52	1		Rxi-5SilMS 0.32(mm)
LCS 180-45557/2-A		08/21/2012 18:16	1	V0821016.D	Rxi-5SilMS 0.32(mm)
LCSD 180-45557/3-A		08/21/2012 18:41	1	V0821017.D	Rxi-5SilMS 0.32(mm)
ZZZZZ		08/21/2012 19:05	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/21/2012 19:29	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/21/2012 19:53	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/21/2012 20:17	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/21/2012 20:42	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/21/2012 21:06	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/21/2012 21:30	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/21/2012 21:54	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/21/2012 22:18	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/21/2012 22:42	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/21/2012 23:06	1		Rxi-5SilMS 0.32(mm)
180-13537-2	MW-101	08/21/2012 23:30	1	V0821018.D	Rxi-5SilMS 0.32(mm)
180-13537-3	MW-107	08/21/2012 23:55	1	V0821019.D	Rxi-5SilMS 0.32(mm)
180-13537-4	MW-113	08/22/2012 00:19	1	V0821020.D	Rxi-5SilMS 0.32(mm)
180-13537-5	MW-110	08/22/2012 00:43	1	V0821021.D	Rxi-5SilMS 0.32(mm)
180-13537-6	MW-102	08/22/2012 01:07	1	V0821022.D	Rxi-5SilMS 0.32(mm)
ZZZZZ		08/22/2012 01:31	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/22/2012 01:55	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/22/2012 02:19	1		Rxi-5SilMS 0.32(mm)
ZZZZZ		08/22/2012 02:44	1		Rxi-5SilMS 0.32(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Batch Number: 45654 Batch Start Date: 08/20/12 17:53 Batch Analyst: Payton, Sean

Batch Method: 1311 Batch End Date: 08/20/12 18:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialRoomTemp	FinalRoomTemp	FiltCompDate	FiltCompTime		
180-13537-A-7	IDW-1	1311, 3520C, 8270C	P	23 Celsius	23 Celsius	08/20/2012	1830		

Batch Notes	
First End time	1830
First Start time	1800
ID number of the thermometer	TCLP#1
Uncorrected Final Room Temperature	23 Celsius
Uncorrected Initial Room Temperature	23 Celsius

Basis	Basis Description
P	TCLP

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Batch Number: 45791 Batch Start Date: 08/21/12 14:30 Batch Analyst: Trout, Bill

Batch Method: 3520C Batch End Date: 08/23/12 05:55

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	FirstAdjustpH	SecondAdjustpH	OP8270TCLPSPi 00012
MB 180-45791/1		3520C, 8270C		5	200 mL	10.0 mL	2	11	
LCS 180-45791/2		3520C, 8270C		5	200 mL	10.0 mL	2	11	0.5 mL
LCSD 180-45791/3		3520C, 8270C		5	200 mL	10.0 mL	2	11	0.5 mL
180-13537-A-7-A	IDW-1	3520C, 8270C	P	7	200 mL	10.0 mL	2	11	

Lab Sample ID	Client Sample ID	Method Chain	Basis	OPQL-8270SURi 00036					
MB 180-45791/1		3520C, 8270C		1 mL					
LCS 180-45791/2		3520C, 8270C		1 mL					
LCSD 180-45791/3		3520C, 8270C		1 mL					
180-13537-A-7-A	IDW-1	3520C, 8270C	P	1 mL					

Batch Notes	
Acid used for pH adjustment	1:1 Sulfuric acid
Acid used for pH adjust Lot #	506755
Base used for pH adjustment	10N sodium hydroxide
Base used for pH adjust Lot #	522122
Person's name who did the concentration	cdm
Time the first extraction ended 24hr	0920
Time the first extraction started 24 hr	1430
N-evap #	1
Na2SO4 Lot Number	494082
Prep Solvent Lot #	522082
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	0555
Time the second extration started 24 hr	1135
Uncorrected N-evap Temperature	26 Celsius
Uncorrected Temperature	75 Celsius

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Batch Number: 45791 Batch Start Date: 08/21/12 14:30 Batch Analyst: Trout, Bill

Batch Method: 3520C Batch End Date: 08/23/12 05:55

Basis	Basis Description
P	TCLP

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Batch Number: 45557 Batch Start Date: 08/20/12 10:30 Batch Analyst: Trout, Bill

Batch Method: 3520C Batch End Date: 08/21/12 04:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	FirstAdjustpH	OPQL-8270SURi 00036	SV2NDSOURCEi 00007
MB 180-45557/1		3520C, 8270C LL		5	1000 mL	1.0 mL	2	100 uL	
LCS 180-45557/2		3520C, 8270C LL		5	1000 mL	1.0 mL	2	100 uL	100 uL
LCSD 180-45557/3		3520C, 8270C LL		5	1000 mL	1.0 mL	2	100 uL	100 uL
180-13537-F-2	MW-101	3520C, 8270C LL	T	7	1040 mL	1.0 mL	2	100 uL	
180-13537-C-3	MW-107	3520C, 8270C LL	T	7	1020 mL	1.0 mL	2	100 uL	
180-13537-D-4	MW-113	3520C, 8270C LL	T	7	1020 mL	1.0 mL	2	100 uL	
180-13537-G-5	MW-110	3520C, 8270C LL	T	7	1040 mL	1.0 mL	2	100 uL	
180-13537-H-6	MW-102	3520C, 8270C LL	T	7	1010 mL	1.0 mL	2	100 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	SV2NDSOURCEi 00008					
MB 180-45557/1		3520C, 8270C LL							
LCS 180-45557/2		3520C, 8270C LL		100 uL					
LCSD 180-45557/3		3520C, 8270C LL		100 uL					
180-13537-F-2	MW-101	3520C, 8270C LL	T						
180-13537-C-3	MW-107	3520C, 8270C LL	T						
180-13537-D-4	MW-113	3520C, 8270C LL	T						
180-13537-G-5	MW-110	3520C, 8270C LL	T						
180-13537-H-6	MW-102	3520C, 8270C LL	T						

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Batch Number: 45557 Batch Start Date: 08/20/12 10:30 Batch Analyst: Trout, Bill

Batch Method: 3520C Batch End Date: 08/21/12 04:45

Batch Notes	
Acid used for pH adjustment	1:1 Sulfuric acid
Acid used for pH adjust Lot #	506755
Base used for pH adjustment	10N sodium hydroxide
Base used for pH adjust Lot #	522122
Person's name who did the concentration	cdm
N-evap #	1
Na2SO4 Lot Number	494082
Prep Solvent Lot #	522082
Prep Solvent Name	Methylene chloride
Prep Solvent Volume Used	250 mL
Person's name who did the prep	BT
Uncorrected N-evap Temperature	26 Celsius
Uncorrected Temperature	75 Celsius

Basis	Basis Description
T	Total/NA

Method 8081A Low Level

Organochlorine Pesticides (GC) by Method 8081A Low Level

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): MR-1 ID: 0.53 (mm) GC Column (2): MR-2 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TCX1	#	TCX2	#	DCB1	#	DCB2	#
MW-101	180-13537-2	32	X	35	X	74		64	
MW-107	180-13537-3	37	X	36	X	71		65	
MW-113	180-13537-4	33	X	32	X	76		71	
MW-110	180-13537-5	31	X	29	X	69		66	
MW-102	180-13537-6	33	X	33	X	119		108	
	MB 180-45667/1-A	72		66		74		69	
	LCS 180-45667/2-A	72		65		77		69	
	LCSD 180-45667/3-A	71		66		77		70	

	QC LIMITS
TCX = Tetrachloro-m-xylene	60-111
DCB = DCB Decachlorobiphenyl (Surr)	56-122

Column to be used to flag recovery values

FORM II 8081A

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Matrix: Water Level: Low Lab File ID: Q09120000241.D

Lab ID: LCS 180-45667/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Aldrin	0.0250	0.0206	82	62-113	
alpha-BHC	0.0250	0.0195	78	58-114	
beta-BHC	0.0250	0.0171	68	52-120	
delta-BHC	0.0250	0.0164	65	10-137	
gamma-BHC (Lindane)	0.0250	0.0183	73	57-110	
alpha-Chlordane	0.0250	0.0194	78	59-114	
gamma-Chlordane	0.0250	0.0195	78	60-114	
4,4'-DDD	0.0250	0.0174	69	48-120	
4,4'-DDE	0.0250	0.0185	74	47-120	
4,4'-DDT	0.0250	0.0127	51	39-131	
Dieldrin	0.0250	0.0197	79	51-121	
Endosulfan I	0.0250	0.0193	77	60-114	
Endosulfan II	0.0250	0.0165	66	58-112	
Endosulfan sulfate	0.0250	0.0178	71	42-122	
Endrin	0.0250	0.0195	78	31-138	
Endrin aldehyde	0.0250	0.0204	82	52-110	
Endrin ketone	0.0250	0.0188	75	57-114	
Heptachlor	0.0250	0.0184	74	63-120	
Heptachlor epoxide	0.0250	0.0202	81	60-120	
Methoxychlor	0.0250	0.0136	54	35-137	

Column to be used to flag recovery and RPD values

FORM III 8081A

FORM III
GC SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Matrix: Water Level: Low Lab File ID: Q09120000242.D

Lab ID: LCSD 180-45667/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Aldrin	0.0250	0.0204	81	1	22	62-113	
alpha-BHC	0.0250	0.0187	75	4	20	58-114	
beta-BHC	0.0250	0.0173	69	2	24	52-120	
delta-BHC	0.0250	0.0166	67	2	26	10-137	
gamma-BHC (Lindane)	0.0250	0.0186	74	1	21	57-110	
alpha-Chlordane	0.0250	0.0193	77	1	21	59-114	
gamma-Chlordane	0.0250	0.0192	77	2	21	60-114	
4,4'-DDD	0.0250	0.0174	70	0	24	48-120	
4,4'-DDE	0.0250	0.0185	74	0	20	47-120	
4,4'-DDT	0.0250	0.0170	68	26	24	39-131	*
Dieldrin	0.0250	0.0197	79	0	20	51-121	
Endosulfan I	0.0250	0.0192	77	1	22	60-114	
Endosulfan II	0.0250	0.0169	68	1	21	58-112	
Endosulfan sulfate	0.0250	0.0178	71	0	21	42-122	
Endrin	0.0250	0.0195	78	1	24	31-138	
Endrin aldehyde	0.0250	0.0195	78	5	25	52-110	
Endrin ketone	0.0250	0.0193	77	3	20	57-114	
Heptachlor	0.0250	0.0193	77	4	25	63-120	
Heptachlor epoxide	0.0250	0.0195	78	4	20	60-120	
Methoxychlor	0.0250	0.0172	69	17	27	35-137	

Column to be used to flag recovery and RPD values

FORM III 8081A

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: MB 180-45667/1-A

Matrix: Water Date Extracted: 08/20/2012 13:55

Lab File ID:(1) Q09120000240.D Lab File ID:(2) R09120000240.D

Date Analyzed:(1) 09/05/2012 21:02 Date Analyzed:(2) 09/05/2012 21:02

Instrument ID:(1) GC15 Instrument ID:(2) GC15

GC Column:(1) MR-1 ID: 0.53(mm) GC Column:(2) MR-2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
MW-101	180-13537-2	09/05/2012 19:44	09/05/2012 19:44
MW-107	180-13537-3	09/05/2012 20:00	09/05/2012 20:00
MW-113	180-13537-4	09/05/2012 20:16	09/05/2012 20:16
MW-110	180-13537-5	09/05/2012 20:31	09/05/2012 20:31
MW-102	180-13537-6	09/05/2012 20:47	09/05/2012 20:47
	LCS 180-45667/2-A	09/05/2012 21:18	09/05/2012 21:18
	LCSD 180-45667/3-A	09/05/2012 21:34	09/05/2012 21:34

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Sample No.: CCVRT 180-47297/2 Date Analyzed: 09/04/2012 12:43

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm)

Lab File ID (Standard): Q09120000117.D Heated Purge: (Y/N) N

Calibration ID: 6380

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				4.37	9.25	
UPPER LIMIT				4.42	9.30	
LOWER LIMIT				4.32	9.20	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 180-47297/2		09/04/2012 12:43	Q09120000117.D	4.37	9.25	
PEM 180-47297/91		09/05/2012 16:05	Q09120000221.D	4.37	9.25	
CCV 180-47297/92		09/05/2012 16:20	Q09120000222.D	4.37	9.25	
180-13537-2	MW-101	09/05/2012 19:44	Q09120000235.D	4.37	9.24	
180-13537-3	MW-107	09/05/2012 20:00	Q09120000236.D	4.37	9.24	
180-13537-4	MW-113	09/05/2012 20:16	Q09120000237.D	4.37	9.24	
180-13537-5	MW-110	09/05/2012 20:31	Q09120000238.D	4.37	9.24	
180-13537-6	MW-102	09/05/2012 20:47	Q09120000239.D	4.37	9.24	
MB 180-45667/1-A		09/05/2012 21:02	Q09120000240.D	4.37	9.24	
LCS 180-45667/2-A		09/05/2012 21:18	Q09120000241.D	4.37	9.24	
LCSD 180-45667/3-A		09/05/2012 21:34	Q09120000242.D	4.37	9.24	
CCV 180-47297/113		09/05/2012 22:05	Q09120000244.D	4.37	9.24	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl (Surr)

TCX RT Limit = ± 0.05 minutes of surrogate RT
DCB RT Limit = ± 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081A

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Sample No.: CCVRT 180-47297/2 Date Analyzed: 09/04/2012 12:43

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm)

Lab File ID (Standard): R09120000117.D Heated Purge: (Y/N) N

Calibration ID: 6386

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				5.14	10.65	
UPPER LIMIT				5.19	10.70	
LOWER LIMIT				5.09	10.60	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 180-47297/2		09/04/2012 12:43	R09120000117.D	5.14	10.65	
PEM 180-47297/91		09/05/2012 16:05	R09120000221.D	5.14	10.65	
CCV 180-47297/92		09/05/2012 16:20	R09120000222.D	5.14	10.65	
180-13537-2	MW-101	09/05/2012 19:44	R09120000235.D	5.14	10.65	
180-13537-3	MW-107	09/05/2012 20:00	R09120000236.D	5.14	10.64	
180-13537-4	MW-113	09/05/2012 20:16	R09120000237.D	5.14	10.65	
180-13537-5	MW-110	09/05/2012 20:31	R09120000238.D	5.14	10.65	
180-13537-6	MW-102	09/05/2012 20:47	R09120000239.D	5.14	10.64	
MB 180-45667/1-A		09/05/2012 21:02	R09120000240.D	5.14	10.64	
LCS 180-45667/2-A		09/05/2012 21:18	R09120000241.D	5.14	10.65	
LCSD 180-45667/3-A		09/05/2012 21:34	R09120000242.D	5.14	10.65	
CCV 180-47297/113		09/05/2012 22:05	R09120000244.D	5.14	10.64	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl (Surr)

TCX RT Limit = ± 0.05 minutes of surrogate RT
DCB RT Limit = ± 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081A

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Client Sample ID: MW-102 Lab Sample ID: 180-13537-6

Instrument ID (1): GC15 Instrument ID (2): GC15

Date Analyzed (1): 09/05/2012 20:47 Date Analyzed (2): 09/05/2012 20:47

GC Column (1): MR-1 ID: 0.53(mm) GC Column (2): MR-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
delta-BHC	1		5.32	5.30	5.36	0.0014		111.8
	2		6.34	6.28	6.38	0.00041		
Aldrin	1		5.74	5.68	5.74	0.0021		88.6
	2		6.44	6.40	6.50	0.00080		
Heptachlor epoxide	1		6.06	6.03	6.09	0.0027		98.8
	2		6.87	6.83	6.93	0.00092		
gamma-Chlordane	1		6.26	6.25	6.31	0.0028		85.6
	2		7.10	7.05	7.15	0.0011		
Dieldrin	1		6.63	6.59	6.65	0.0022		74.8
	2		7.46	7.41	7.51	0.00099		
Endrin	1		6.83	6.78	6.84	0.0013		148.3
	2		7.71	7.67	7.77	0.0086		
Endosulfan II	1		7.01	6.98	7.04	0.0036		69.3
	2		7.97	7.92	8.02	0.0017		
Endosulfan sulfate	1		7.33	7.30	7.36	0.0027		110.6
	2		8.36	8.31	8.41	0.00078		
Methoxychlor	1		7.69	7.64	7.70	0.0025		165.4
	2		8.58	8.54	8.64	0.027		
Endrin ketone	1		7.76	7.73	7.79	0.0098		20.1
	2		9.01	8.93	9.03	0.0080		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 180-45667/2-A

Instrument ID (1): GC15 Instrument ID (2): GC15

Date Analyzed (1): 09/05/2012 21:18 Date Analyzed (2): 09/05/2012 21:18

GC Column (1): MR-1 ID: 0.53(mm) GC Column (2): MR-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		4.72	4.69	4.75	0.0195		5.1
	2		5.58	5.54	5.64	0.0185		
gamma-BHC (Lindane)	1		4.98	4.95	5.01	0.0183		1.7
	2		5.87	5.83	5.93	0.0180		
beta-BHC	1		5.14	5.11	5.17	0.0171		7.9
	2		6.10	6.05	6.15	0.0185		
delta-BHC	1		5.32	5.30	5.36	0.0164		4.6
	2		6.32	6.28	6.38	0.0171		
Heptachlor	1		5.44	5.41	5.47	0.0184		6.3
	2		6.18	6.14	6.24	0.0173		
Aldrin	1		5.71	5.68	5.74	0.0206		7.2
	2		6.44	6.40	6.50	0.0192		
Heptachlor epoxide	1		6.06	6.03	6.09	0.0202		6.9
	2		6.87	6.83	6.93	0.0188		
gamma-Chlordane	1		6.27	6.25	6.31	0.0195		8.3
	2		7.09	7.05	7.15	0.0180		
alpha-Chlordane	1		6.34	6.31	6.37	0.0194		4.6
	2		7.15	7.10	7.20	0.0185		
Endosulfan I	1		6.38	6.35	6.41	0.0193		7.5
	2		7.22	7.17	7.27	0.0179		
4,4'-DDE	1		6.50	6.47	6.53	0.0185		1.3
	2		7.28	7.23	7.33	0.0187		
Dieldrin	1		6.61	6.59	6.65	0.0197		2.2
	2		7.45	7.41	7.51	0.0193		
Endrin	1		6.81	6.78	6.84	0.0195		0.8
	2		7.71	7.67	7.77	0.0196		
4,4'-DDD	1		6.95	6.92	6.98	0.0174		18.8
	2		7.78	7.74	7.84	0.0210		
Endosulfan II	1		7.00	6.98	7.04	0.0165		3.8
	2		7.97	7.92	8.02	0.0171		
Endrin aldehyde	1		7.12	7.09	7.15	0.0204		3.0
	2		8.14	8.09	8.19	0.0210		
4,4'-DDT	1		7.23	7.20	7.26	0.0127		3.3
	2		8.02	7.97	8.07	0.0131		
Endosulfan sulfate	1		7.33	7.30	7.36	0.0178		9.1
	2		8.36	8.31	8.41	0.0195		
Methoxychlor	1		7.67	7.64	7.70	0.0136		6.4
	2		8.59	8.54	8.64	0.0145		
Endrin ketone	1		7.75	7.73	7.79	0.0188		0.6
	2		8.97	8.93	9.03	0.0187		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 180-45667/3-A

Instrument ID (1): GC15 Instrument ID (2): GC15

Date Analyzed (1): 09/05/2012 21:34 Date Analyzed (2): 09/05/2012 21:34

GC Column (1): MR-1 ID: 0.53(mm) GC Column (2): MR-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		4.72	4.69	4.75	0.0187		1.8
	2		5.58	5.54	5.64	0.0183		
gamma-BHC (Lindane)	1		4.98	4.95	5.01	0.0186		3.5
	2		5.87	5.83	5.93	0.0179		
beta-BHC	1		5.14	5.11	5.17	0.0173		5.2
	2		6.10	6.05	6.15	0.0183		
delta-BHC	1		5.32	5.30	5.36	0.0166		2.5
	2		6.32	6.28	6.38	0.0171		
Heptachlor	1		5.44	5.41	5.47	0.0193		7.0
	2		6.18	6.14	6.24	0.0180		
Aldrin	1		5.71	5.68	5.74	0.0204		7.6
	2		6.44	6.40	6.50	0.0189		
Heptachlor epoxide	1		6.06	6.03	6.09	0.0195		4.6
	2		6.87	6.83	6.93	0.0186		
gamma-Chlordane	1		6.27	6.25	6.31	0.0192		5.6
	2		7.09	7.05	7.15	0.0182		
alpha-Chlordane	1		6.34	6.31	6.37	0.0193		6.1
	2		7.15	7.10	7.20	0.0181		
Endosulfan I	1		6.38	6.35	6.41	0.0192		7.3
	2		7.22	7.17	7.27	0.0179		
4,4'-DDE	1		6.50	6.47	6.53	0.0185		1.9
	2		7.28	7.23	7.33	0.0189		
Dieldrin	1		6.61	6.59	6.65	0.0197		1.9
	2		7.45	7.41	7.51	0.0193		
Endrin	1		6.81	6.78	6.84	0.0195		2.6
	2		7.72	7.67	7.77	0.0191		
4,4'-DDD	1		6.95	6.92	6.98	0.0174		14.9
	2		7.78	7.74	7.84	0.0202		
Endosulfan II	1		7.00	6.98	7.04	0.0169		0.0
	2		7.97	7.92	8.02	0.0169		
Endrin aldehyde	1		7.12	7.09	7.15	0.0195		5.6
	2		8.14	8.09	8.19	0.0206		
4,4'-DDT	1		7.23	7.20	7.26	0.0170		5.5
	2		8.02	7.97	8.07	0.0161		
Endosulfan sulfate	1		7.33	7.30	7.36	0.0178		8.9
	2		8.36	8.31	8.41	0.0194		
Methoxychlor	1		7.67	7.64	7.70	0.0172		6.0
	2		8.59	8.54	8.64	0.0162		
Endrin ketone	1		7.75	7.73	7.79	0.0193		0.1
	2		8.97	8.93	9.03	0.0194		

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-13537-1

SDG No.:

Client Sample ID: MW-101 | Lab Sample ID: 180-13537-2

Matrix: Water | Lab File ID: Q09120000235.D

Analysis Method: 8081A | Date Collected: 08/16/2012 08:15

Extraction Method: 3510C | Date Extracted: 08/20/2012 13:55

Sample wt/vol: 1050(mL) | Date Analyzed: 09/05/2012 19:44

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: MR-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 47297 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	ND		0.0012	0.00079
319-84-6	alpha-BHC	ND		0.0012	0.00063
319-85-7	beta-BHC	ND		0.0012	0.00095
58-89-9	gamma-BHC (Lindane)	ND		0.0012	0.00076
5103-71-9	alpha-Chlordane	ND		0.0012	0.00093
5103-74-2	gamma-Chlordane	ND		0.0012	0.00091
72-54-8	4,4'-DDD	ND		0.0012	0.00064
72-55-9	4,4'-DDE	ND		0.0012	0.00075
50-29-3	4,4'-DDT	ND	*	0.0012	0.00070
60-57-1	Dieldrin	ND		0.0012	0.00078
959-98-8	Endosulfan I	ND		0.0012	0.00090
33213-65-9	Endosulfan II	ND		0.0012	0.00093
1031-07-8	Endosulfan sulfate	ND		0.0012	0.00054
72-20-8	Endrin	ND		0.0012	0.00091
7421-93-4	Endrin aldehyde	ND		0.0012	0.00086
53494-70-5	Endrin ketone	ND		0.0012	0.00088
76-44-8	Heptachlor	ND		0.0012	0.00094
1024-57-3	Heptachlor epoxide	ND		0.0012	0.00092
72-43-5	Methoxychlor	ND		0.0024	0.00087
8001-35-2	Toxaphene	ND		0.095	0.018

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	32	X	60-111
2051-24-3	DCB Decachlorobiphenyl (Surr)	74		56-122

Data File: \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\Q09120000235.D
Report Date: 06-Sep-2012 06:07

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\Q09120000235.D
Lab Smp Id: 180-13537-D-2-A Client Smp ID: MW-101
Inj Date : 05-SEP-2012 19:44
Operator : 402331 Inst ID: gc15.i
Smp Info : 180-13537-d-2-a,090412.b
Misc Info : 180-13537-D-2-A
Comment : 8081 analysis
Method : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\TPESTA1.m
Meth Date : 06-Sep-2012 06:05 oravecj Quant Type: ESTD
Cal Date : 20-AUG-2012 16:55 Cal File: Q08120001192.D
Als bottle: 120
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEST.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1050.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.371	4.373	-0.002	334936	0.00631	0.000006007(aR)
6 alpha-BHC	4.706	4.723	-0.017	3456	5e-005	0.00000004412(a)
7 gamma-BHC (Lindane)	Compound Not Detected.					
8 beta-BHC	5.111	5.138	-0.027	4904	2e-004	0.0000001769(a)
9 Chlordane	Compound Not Detected.					
11 delta-BHC	5.320	5.326	-0.006	197409	0.00338	0.000003220(a)
12 Heptachlor	5.433	5.438	-0.005	23702	5e-004	0.0000004419(a)
17 Aldrin	Compound Not Detected.					
20 Heptachlor epoxide	6.049	6.060	-0.011	2682	6e-005	0.00000005959(a)
24 gamma-Chlordane	6.259	6.275	-0.016	3463	8e-005	0.00000007505(a)
25 alpha-Chlordane	Compound Not Detected.					
26 Endosulfan I	6.367	6.380	-0.013	2594	7e-005	0.00000006533(a)
27 4,4'-DDE	6.500	6.504	-0.004	3576	9e-005	0.00000008175(a)
28 Dieldrin	Compound Not Detected.					
29 Toxaphene	Compound Not Detected.					
30 Endrin	Compound Not Detected.					
31 4,4'-DDD	6.949	6.953	-0.004	3212	9e-005	0.00000008828(a)
32 Endosulfan II	7.010	7.006	0.004	7287	2e-004	0.0000002046(a)
33 Endrin aldehyde	Compound Not Detected.					
34 4,4'-DDT	7.221	7.229	-0.008	3937	1e-004	0.0000001178(a)
35 Endosulfan sulfate	Compound Not Detected.					

Data File: \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\Q09120000235.D
Report Date: 06-Sep-2012 06:07

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ng)
36 Methoxychlor	Compound Not Detected.					
37 Endrin ketone	Compound Not Detected.					
$ 39 DCB Decachlorobiphenyl (Surr)	9.243	9.248	-0.005	221310	0.01471	0.00001401(aR)

QC Flag Legend

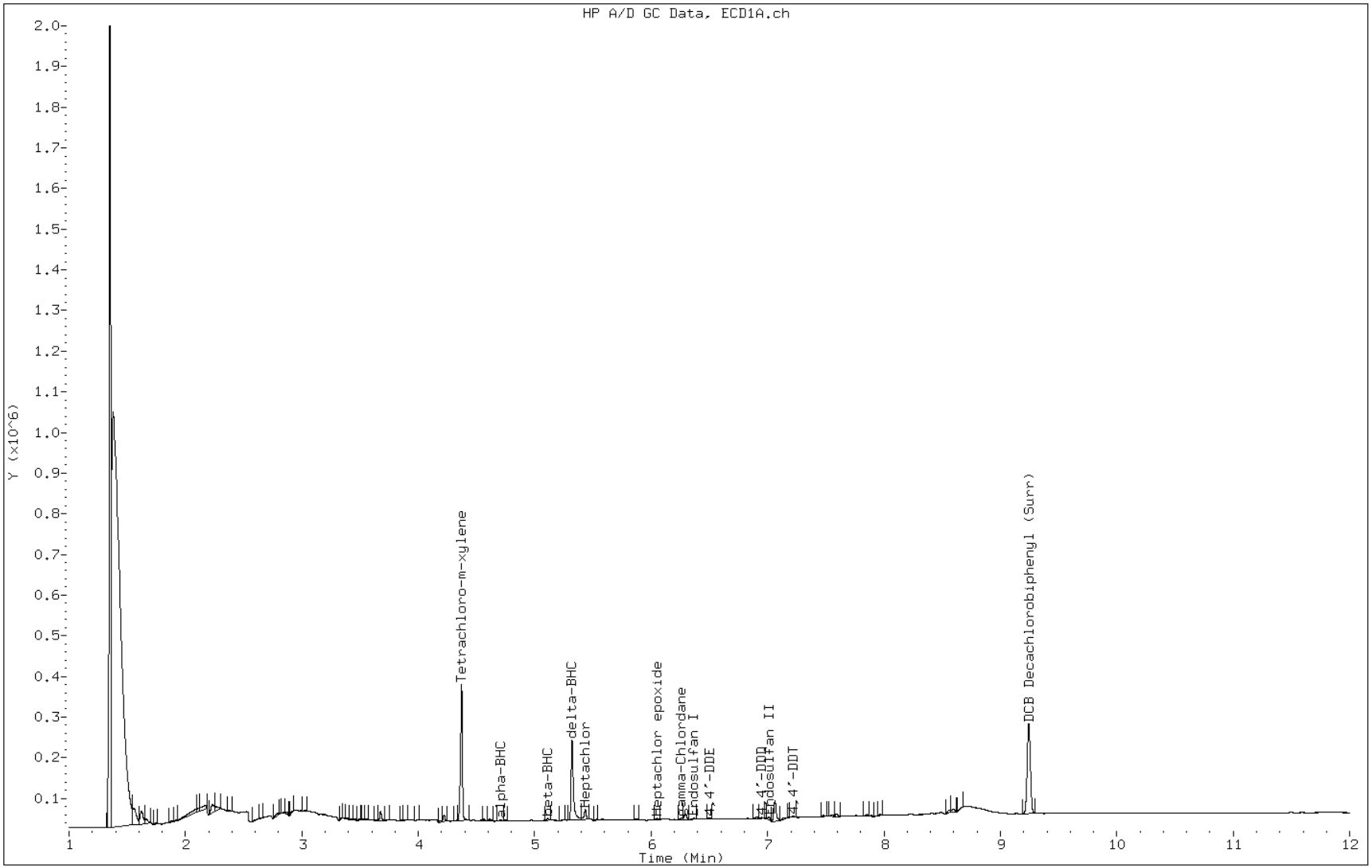
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: Q09120000235.D

Date: 05-SEP-2012 19:44

Client ID: MW-101 Instrument: gc15.i

Sample Info: 180-13537-d-2-a,090412.b Operator: 402331



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID: MW-101
Lab Sample ID: 180-13537-2
Matrix: Water
Lab File ID: R09120000235.D
Analysis Method: 8081A
Date Collected: 08/16/2012 08:15
Extraction Method: 3510C
Date Extracted: 08/20/2012 13:55
Sample wt/vol: 1050(mL)
Date Analyzed: 09/05/2012 19:44
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: MR-2 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 47297
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-86-8	delta-BHC	ND		0.0012	0.00036

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	35	X	60-111
2051-24-3	DCB Decachlorobiphenyl (Surr)	64		56-122

Data File: \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\R09120000235.D
Report Date: 06-Sep-2012 07:05

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\R09120000235.D
Lab Smp Id: 180-13537-D-2-A Client Smp ID: MW-101
Inj Date : 05-SEP-2012 19:44
Operator : 402331 Inst ID: gc15.i
Smp Info : 180-13537-d-2-a,090412.b
Misc Info : 180-13537-D-2-A
Comment : 8081 Analysis
Method : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\TPESTB2.m
Meth Date : 06-Sep-2012 07:04 oravecj Quant Type: ESTD
Cal Date : 20-AUG-2012 16:55 Cal File: R08120001192.D
Als bottle: 120
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEST.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1050.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	5.139	5.144	-0.005	157073	0.00706	0.000006727(aR)
6 alpha-BHC	Compound Not Detected.					
7 gamma-BHC (Lindane)	Compound Not Detected.					
8 Chlordane	Compound Not Detected.					
10 beta-BHC	6.095	6.102	-0.007	12760	0.00121	0.000001148(a)
11 Heptachlor	6.157	6.187	-0.030	112034	0.00618	0.000005881(a)
13 delta-BHC	Compound Not Detected.					
17 Aldrin	Compound Not Detected.					
21 Heptachlor epoxide	Compound Not Detected.					
24 gamma-Chlordane	7.092	7.095	-0.003	3025	2e-004	0.0000002270(a)
25 alpha-Chlordane	Compound Not Detected.					
26 Endosulfan I	Compound Not Detected.					
27 4,4'-DDE	7.278	7.282	-0.004	857	7.e-005	0.00000006692(a)
28 Dieldrin	7.447	7.460	-0.013	1903	2e-004	0.0000001518(a)
31 Toxaphene	Compound Not Detected.					
29 Endrin	7.704	7.719	-0.015	319	3e-005	0.00000003048(a)
30 4,4'-DDD	7.833	7.786	0.047	1621	1e-004	0.0000001339(a)
32 Endosulfan II	Compound Not Detected.					
33 4,4'-DDT	Compound Not Detected.					
34 Endrin aldehyde	8.112	8.139	-0.027	2170	2e-004	0.0000002239(a)
35 Endosulfan sulfate	Compound Not Detected.					

Data File: \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\R09120000235.D
Report Date: 06-Sep-2012 07:05

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ng)
36 Methoxychlor	Compound Not Detected.					
38 Endrin ketone	Compound Not Detected.					
$ 39 DCB Decachlorobiphenyl (Surr)	10.645	10.654	-0.009	87986	0.01287	0.00001226(R)

QC Flag Legend

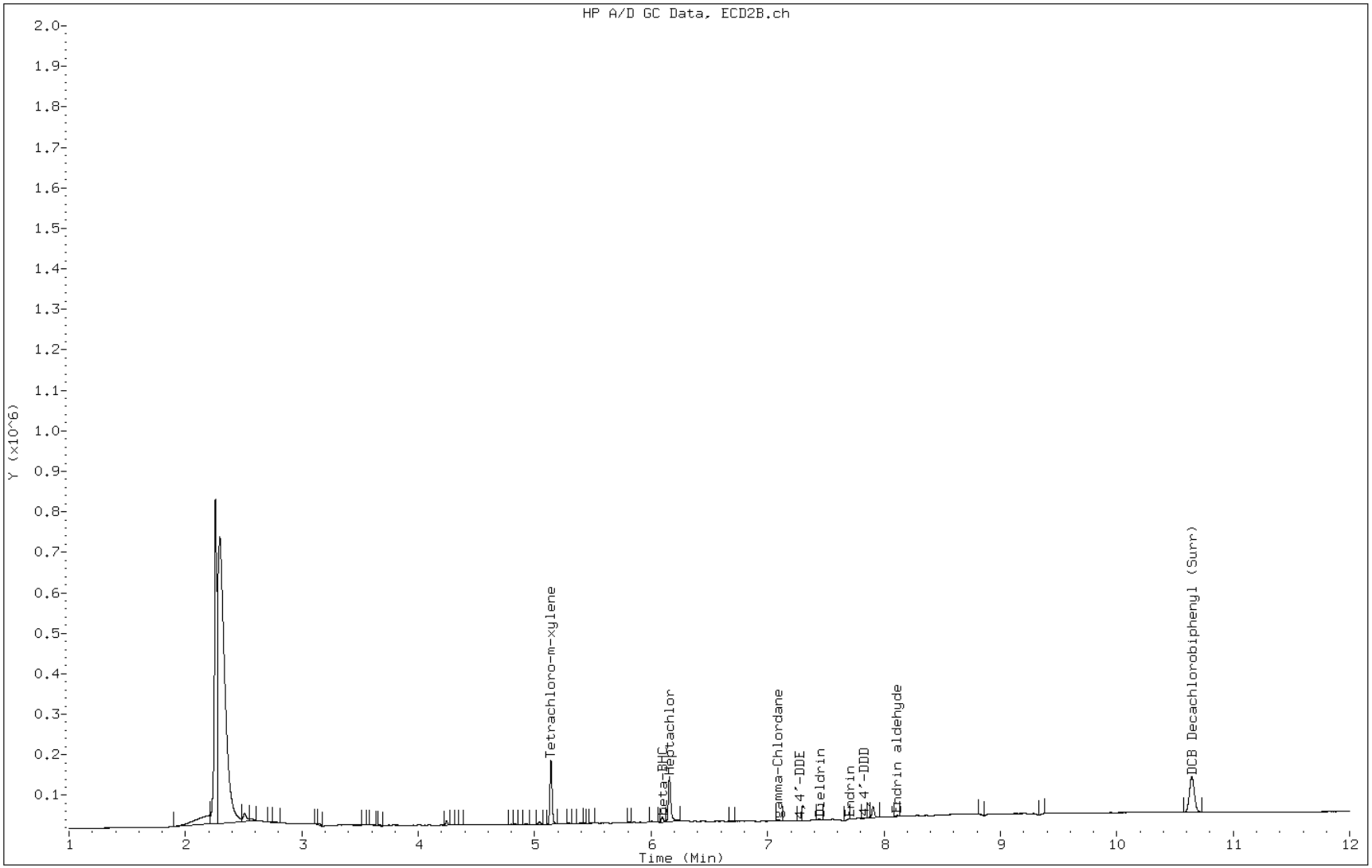
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: R09120000235.D

Date: 05-SEP-2012 19:44

Client ID: MW-101 Instrument: gc15.i

Sample Info: 180-13537-d-2-a,090412.b Operator: 402331



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-13537-1

SDG No.:

Client Sample ID: MW-107 | Lab Sample ID: 180-13537-3

Matrix: Water | Lab File ID: Q09120000236.D

Analysis Method: 8081A | Date Collected: 08/16/2012 09:00

Extraction Method: 3510C | Date Extracted: 08/20/2012 13:55

Sample wt/vol: 1050(mL) | Date Analyzed: 09/05/2012 20:00

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: MR-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 47297 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	ND		0.0012	0.00079
319-84-6	alpha-BHC	ND		0.0012	0.00063
319-85-7	beta-BHC	ND		0.0012	0.00095
58-89-9	gamma-BHC (Lindane)	ND		0.0012	0.00076
5103-71-9	alpha-Chlordane	ND		0.0012	0.00093
5103-74-2	gamma-Chlordane	ND		0.0012	0.00091
72-54-8	4,4'-DDD	ND		0.0012	0.00064
72-55-9	4,4'-DDE	ND		0.0012	0.00075
50-29-3	4,4'-DDT	ND	*	0.0012	0.00070
60-57-1	Dieldrin	ND		0.0012	0.00078
959-98-8	Endosulfan I	ND		0.0012	0.00090
33213-65-9	Endosulfan II	ND		0.0012	0.00093
1031-07-8	Endosulfan sulfate	ND		0.0012	0.00054
72-20-8	Endrin	ND		0.0012	0.00091
7421-93-4	Endrin aldehyde	ND		0.0012	0.00086
53494-70-5	Endrin ketone	ND		0.0012	0.00088
76-44-8	Heptachlor	ND		0.0012	0.00094
1024-57-3	Heptachlor epoxide	ND		0.0012	0.00092
72-43-5	Methoxychlor	ND		0.0024	0.00087
8001-35-2	Toxaphene	ND		0.095	0.018

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	37	X	60-111
2051-24-3	DCB Decachlorobiphenyl (Surr)	71		56-122

Data File: \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\Q09120000236.D
Report Date: 06-Sep-2012 06:07

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\Q09120000236.D
Lab Smp Id: 180-13537-G-3-A Client Smp ID: MW-107
Inj Date : 05-SEP-2012 20:00
Operator : 402331 Inst ID: gc15.i
Smp Info : 180-13537-g-3-a,090412.b
Misc Info : 180-13537-G-3-A
Comment : 8081 analysis
Method : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\TPESTA1.m
Meth Date : 06-Sep-2012 06:05 oravecj Quant Type: ESTD
Cal Date : 20-AUG-2012 16:55 Cal File: Q08120001192.D
Als bottle: 121
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEST.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1050.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.371	4.373	-0.002	390164	0.00735	0.000006998(aR)
6 alpha-BHC	4.705	4.723	-0.018	3957	5e-005	0.00000005052(a)
7 gamma-BHC (Lindane)	Compound Not Detected.					
8 beta-BHC	Compound Not Detected.					
9 Chlordane	Compound Not Detected.					
11 delta-BHC	5.320	5.326	-0.006	99639	0.00171	0.000001625(a)
12 Heptachlor	Compound Not Detected.					
17 Aldrin	Compound Not Detected.					
20 Heptachlor epoxide	6.058	6.060	-0.002	2162	5.e-005	0.00000004804(a)
24 gamma-Chlordane	6.272	6.275	-0.003	1984	5e-005	0.00000004300(a)
25 alpha-Chlordane	Compound Not Detected.					
26 Endosulfan I	Compound Not Detected.					
27 4,4'-DDE	6.498	6.504	-0.006	3415	8e-005	0.00000007807(a)
28 Dieldrin	Compound Not Detected.					
29 Toxaphene	Compound Not Detected.					
30 Endrin	Compound Not Detected.					
31 4,4'-DDD	Compound Not Detected.					
32 Endosulfan II	7.016	7.006	0.010	19235	6e-004	0.0000005402(a)
33 Endrin aldehyde	Compound Not Detected.					
34 4,4'-DDT	Compound Not Detected.					
35 Endosulfan sulfate	Compound Not Detected.					

Data File: \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\Q09120000236.D
Report Date: 06-Sep-2012 06:07

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
36 Methoxychlor	7.681	7.671	0.010	4311	3.e-004	0.0000002864(a)
37 Endrin ketone	Compound Not Detected.					
$ 39 DCB Decachlorobiphenyl (Surr)	9.244	9.248	-0.004	212978	0.01416	0.00001348(aR)

QC Flag Legend

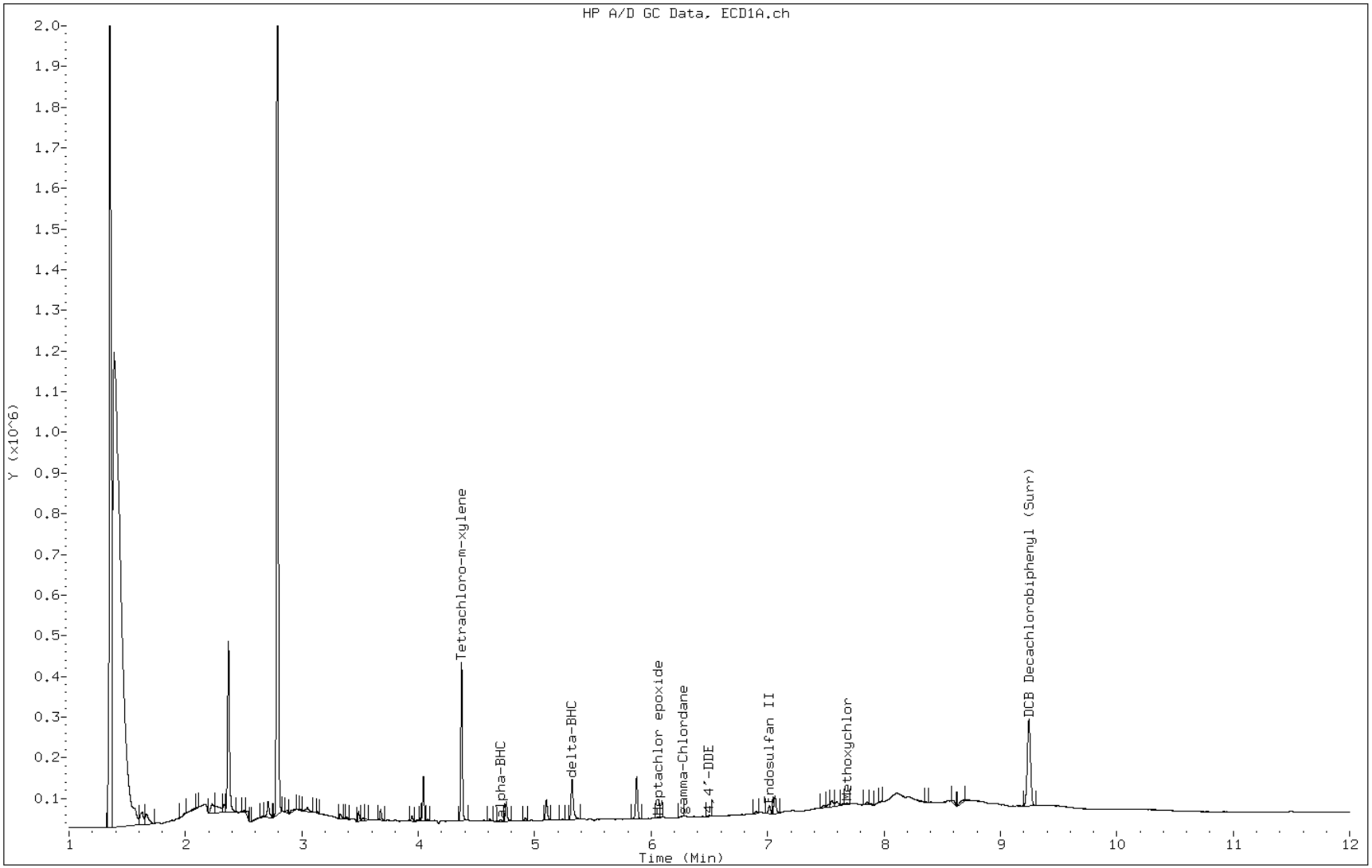
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: Q09120000236.D

Date: 05-SEP-2012 20:00

Client ID: MW-107 Instrument: gc15.i

Sample Info: 180-13537-g-3-a,090412.b Operator: 402331



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID: MW-107
Lab Sample ID: 180-13537-3
Matrix: Water
Lab File ID: R09120000236.D
Analysis Method: 8081A
Date Collected: 08/16/2012 09:00
Extraction Method: 3510C
Date Extracted: 08/20/2012 13:55
Sample wt/vol: 1050(mL)
Date Analyzed: 09/05/2012 20:00
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: MR-2 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 47297
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-86-8	delta-BHC	ND		0.0012	0.00036

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	36	X	60-111
2051-24-3	DCB Decachlorobiphenyl (Surr)	65		56-122

Data File: \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\R09120000236.D
Report Date: 06-Sep-2012 07:05

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\R09120000236.D
Lab Smp Id: 180-13537-G-3-A Client Smp ID: MW-107
Inj Date : 05-SEP-2012 20:00
Operator : 402331 Inst ID: gc15.i
Smp Info : 180-13537-g-3-a,090412.b
Misc Info : 180-13537-G-3-A
Comment : 8081 Analysis
Method : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\TPESTB2.m
Meth Date : 06-Sep-2012 07:04 oravecj Quant Type: ESTD
Cal Date : 20-AUG-2012 16:55 Cal File: R08120001192.D
Als bottle: 121
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEST.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1050.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	5.138	5.144	-0.006	158418	0.00712	0.000006785(aR)
6 alpha-BHC	5.544	5.589	-0.045	20569	7.e-004	0.0000006692(a)
7 gamma-BHC (Lindane)	Compound Not Detected.					
8 Chlordane	Compound Not Detected.					
10 beta-BHC	6.101	6.102	-0.001	1225	1e-004	0.0000001102(a)
11 Heptachlor	6.156	6.187	-0.031	57338	0.00316	0.000003010(a)
13 delta-BHC	Compound Not Detected.					
17 Aldrin	Compound Not Detected.					
21 Heptachlor epoxide	6.895	6.878	0.017	1255	9.e-005	0.00000008607(a)
24 gamma-Chlordane	Compound Not Detected.					
25 alpha-Chlordane	7.140	7.154	-0.014	1618	1e-004	0.0000001290(a)
26 Endosulfan I	7.195	7.222	-0.027	1100	1.e-004	0.00000009667(a)
27 4,4'-DDE	Compound Not Detected.					
28 Dieldrin	Compound Not Detected.					
31 Toxaphene	Compound Not Detected.					
29 Endrin	7.703	7.719	-0.016	851	9e-005	0.00000008131(a)
30 4,4'-DDD	7.773	7.786	-0.013	1170	1.e-004	0.00000009666(a)
32 Endosulfan II	7.984	7.973	0.011	1694	1e-004	0.0000001372(a)
33 4,4'-DDT	Compound Not Detected.					
34 Endrin aldehyde	8.111	8.139	-0.028	7259	8e-004	0.0000007490(a)
35 Endosulfan sulfate	Compound Not Detected.					

Data File: \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\R09120000236.D
Report Date: 06-Sep-2012 07:05

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ng)
36 Methoxychlor	Compound Not Detected.					
38 Endrin ketone	Compound Not Detected.					
$ 39 DCB Decachlorobiphenyl (Surr)	10.640	10.654	-0.014	88330	0.01292	0.00001231(R)

QC Flag Legend

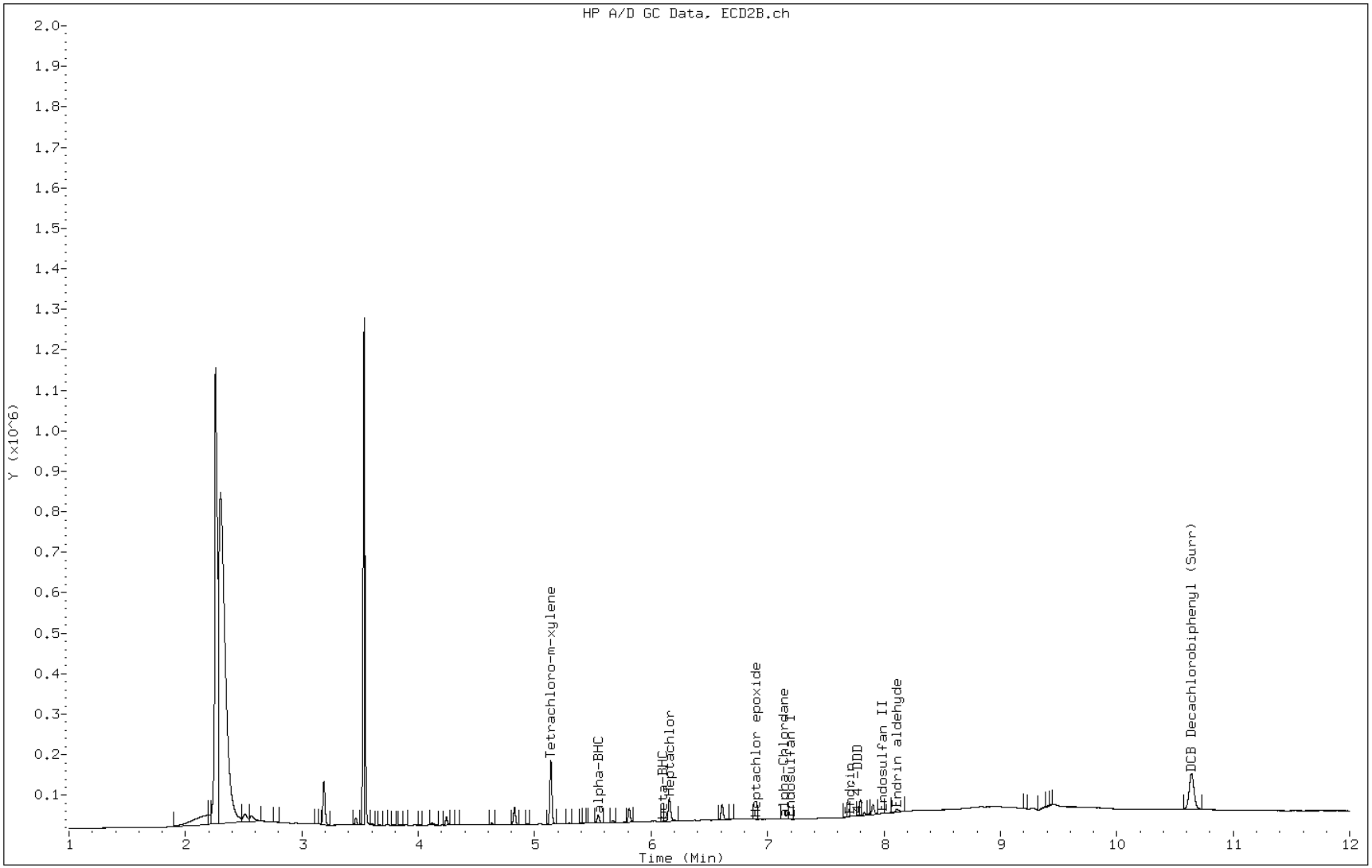
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: R09120000236.D

Date: 05-SEP-2012 20:00

Client ID: MW-107 Instrument: gc15.i

Sample Info: 180-13537-g-3-a,090412.b Operator: 402331



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-13537-1

SDG No.:

Client Sample ID: MW-113 | Lab Sample ID: 180-13537-4

Matrix: Water | Lab File ID: Q09120000237.D

Analysis Method: 8081A | Date Collected: 08/16/2012 09:30

Extraction Method: 3510C | Date Extracted: 08/20/2012 13:55

Sample wt/vol: 1050(mL) | Date Analyzed: 09/05/2012 20:16

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: MR-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 47297 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	ND		0.0012	0.00079
319-84-6	alpha-BHC	ND		0.0012	0.00063
319-85-7	beta-BHC	ND		0.0012	0.00095
58-89-9	gamma-BHC (Lindane)	ND		0.0012	0.00076
5103-71-9	alpha-Chlordane	ND		0.0012	0.00093
5103-74-2	gamma-Chlordane	ND		0.0012	0.00091
72-54-8	4,4'-DDD	ND		0.0012	0.00064
72-55-9	4,4'-DDE	ND		0.0012	0.00075
50-29-3	4,4'-DDT	ND	*	0.0012	0.00070
60-57-1	Dieldrin	ND		0.0012	0.00078
959-98-8	Endosulfan I	ND		0.0012	0.00090
1031-07-8	Endosulfan sulfate	ND		0.0012	0.00054
72-20-8	Endrin	ND		0.0012	0.00091
7421-93-4	Endrin aldehyde	ND		0.0012	0.00086
53494-70-5	Endrin ketone	ND		0.0012	0.00088
76-44-8	Heptachlor	ND		0.0012	0.00094
1024-57-3	Heptachlor epoxide	ND		0.0012	0.00092
72-43-5	Methoxychlor	ND		0.0024	0.00087
8001-35-2	Toxaphene	ND		0.095	0.018

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	33	X	60-111
2051-24-3	DCB Decachlorobiphenyl (Surr)	76		56-122

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-13537-1

SDG No.:

Client Sample ID: MW-113 | Lab Sample ID: 180-13537-4

Matrix: Water | Lab File ID: R09120000237.D

Analysis Method: 8081A | Date Collected: 08/16/2012 09:30

Extraction Method: 3510C | Date Extracted: 08/20/2012 13:55

Sample wt/vol: 1050(mL) | Date Analyzed: 09/05/2012 20:16

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: MR-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 47297 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-86-8	delta-BHC	ND		0.0012	0.00036
33213-65-9	Endosulfan II	ND		0.0012	0.00093

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	32	X	60-111
2051-24-3	DCB Decachlorobiphenyl (Surr)	71		56-122

Data File: \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\R09120000237.D
Report Date: 06-Sep-2012 07:05

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\R09120000237.D
Lab Smp Id: 180-13537-F-4-A Client Smp ID: MW-113
Inj Date : 05-SEP-2012 20:16
Operator : 402331 Inst ID: gc15.i
Smp Info : 180-13537-f-4-a,090412.b
Misc Info : 180-13537-F-4-A
Comment : 8081 Analysis
Method : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\TPESTB2.m
Meth Date : 06-Sep-2012 07:04 oravecj Quant Type: ESTD
Cal Date : 20-AUG-2012 16:55 Cal File: R08120001192.D
Als bottle: 122
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEST.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1050.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	5.138	5.144	-0.006	140802	0.00633	0.000006030(aR)
6 alpha-BHC	5.545	5.589	-0.044	13060	4e-004	0.0000004249(a)
7 gamma-BHC (Lindane)	5.854	5.877	-0.023	802	3e-005	0.00000003084(a)
8 Chlordane	6.031	6.036	-0.005	3161	0.03252	0.00003097(a)
10 beta-BHC	6.104	6.102	0.002	1219	1e-004	0.0000001097(a)
11 Heptachlor	6.157	6.187	-0.030	82413	0.00454	0.000004326(a)
13 delta-BHC	6.372	6.327	0.045	1420	7e-005	0.00000006304(a)
17 Aldrin	Compound Not Detected.					
21 Heptachlor epoxide	6.895	6.878	0.017	1607	1e-004	0.0000001102(a)
24 gamma-Chlordane	7.095	7.095	0.000	1542	1e-004	0.0000001157(a)
25 alpha-Chlordane	7.139	7.154	-0.015	3062	3e-004	0.0000002442(a)
26 Endosulfan I	7.198	7.222	-0.024	2901	3e-004	0.0000002549(a)
27 4,4'-DDE	Compound Not Detected.					
28 Dieldrin	7.445	7.460	-0.015	795	7e-005	0.00000006340(a)
31 Toxaphene	Compound Not Detected.					
29 Endrin	Compound Not Detected.					
30 4,4'-DDD	7.781	7.786	-0.005	1001	9e-005	0.00000008270(a)
32 Endosulfan II	7.987	7.973	0.014	1905	2e-004	0.0000001543(a)
33 4,4'-DDT	Compound Not Detected.					
34 Endrin aldehyde	8.113	8.139	-0.026	1793	2e-004	0.0000001850(a)
35 Endosulfan sulfate	Compound Not Detected.					

Data File: \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\R09120000237.D
Report Date: 06-Sep-2012 07:05

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
36 Methoxychlor	8.565	8.593	-0.028	1915	4e-004	0.0000003663(a)
38 Endrin ketone	Compound Not Detected.					
$ 39 DCB Decachlorobiphenyl (Surr)	10.645	10.654	-0.009	97020	0.01419	0.00001352(R)

QC Flag Legend

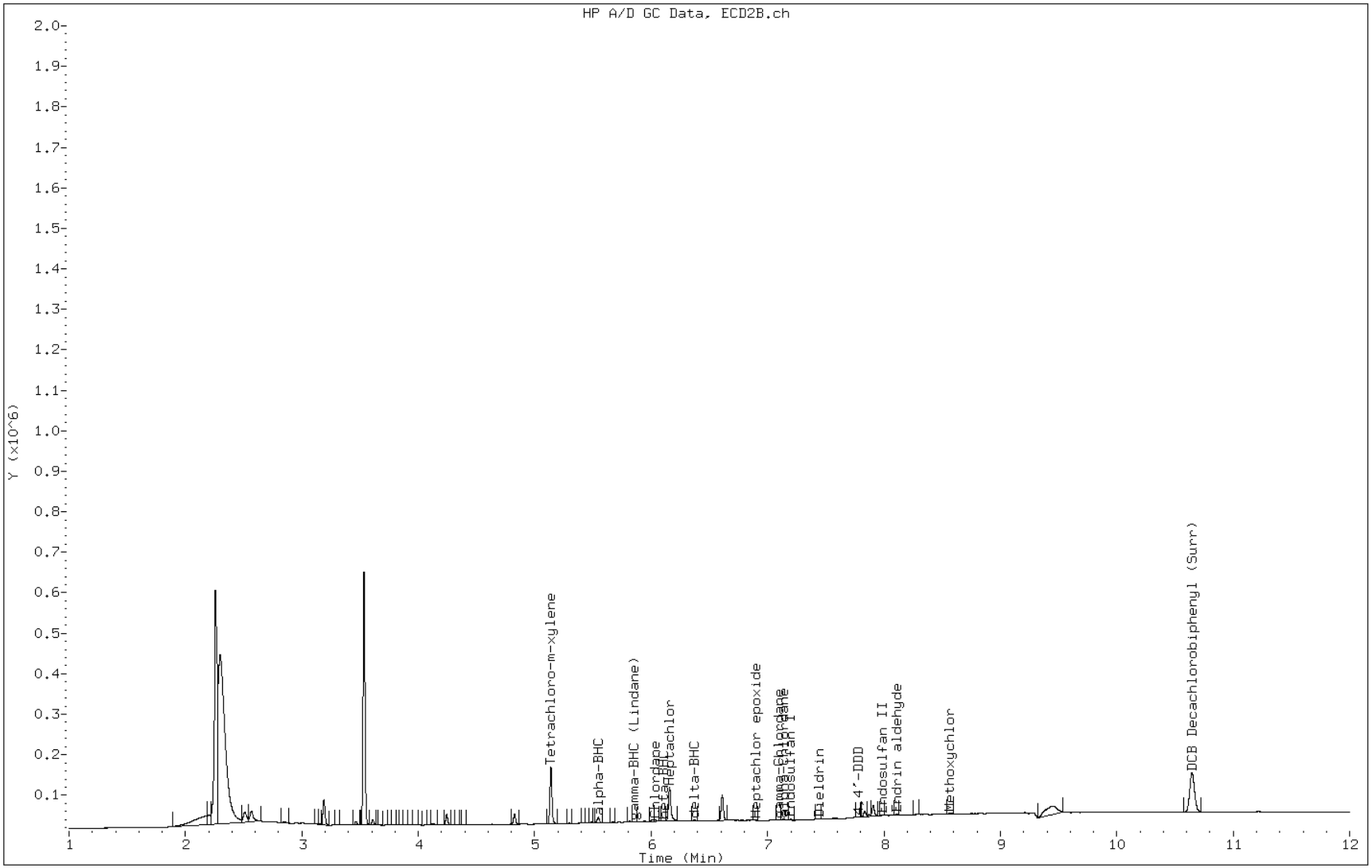
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: R09120000237.D

Date: 05-SEP-2012 20:16

Client ID: MW-113 Instrument: gc15.i

Sample Info: 180-13537-f-4-a,090412.b Operator: 402331



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-13537-1

SDG No.:

Client Sample ID: MW-110 | Lab Sample ID: 180-13537-5

Matrix: Water | Lab File ID: Q09120000238.D

Analysis Method: 8081A | Date Collected: 08/16/2012 11:40

Extraction Method: 3510C | Date Extracted: 08/20/2012 13:55

Sample wt/vol: 1060(mL) | Date Analyzed: 09/05/2012 20:31

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: MR-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 47297 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	ND		0.0012	0.00078
319-84-6	alpha-BHC	ND		0.0012	0.00062
319-85-7	beta-BHC	ND		0.0012	0.00094
58-89-9	gamma-BHC (Lindane)	ND		0.0012	0.00075
5103-71-9	alpha-Chlordane	ND		0.0012	0.00092
5103-74-2	gamma-Chlordane	ND		0.0012	0.00091
72-54-8	4,4'-DDD	ND		0.0012	0.00063
72-55-9	4,4'-DDE	ND		0.0012	0.00075
50-29-3	4,4'-DDT	ND	*	0.0012	0.00070
60-57-1	Dieldrin	ND		0.0012	0.00077
959-98-8	Endosulfan I	ND		0.0012	0.00089
33213-65-9	Endosulfan II	ND		0.0012	0.00092
1031-07-8	Endosulfan sulfate	ND		0.0012	0.00054
72-20-8	Endrin	ND		0.0012	0.00091
7421-93-4	Endrin aldehyde	ND		0.0012	0.00085
53494-70-5	Endrin ketone	ND		0.0012	0.00087
76-44-8	Heptachlor	ND		0.0012	0.00093
1024-57-3	Heptachlor epoxide	ND		0.0012	0.00092
72-43-5	Methoxychlor	ND		0.0024	0.00086
8001-35-2	Toxaphene	ND		0.094	0.018

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	31	X	60-111
2051-24-3	DCB Decachlorobiphenyl (Surr)	69		56-122

Data File: \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\Q09120000238.D
Report Date: 06-Sep-2012 06:07

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\Q09120000238.D
Lab Smp Id: 180-13537-H-5-A Client Smp ID: MW-110
Inj Date : 05-SEP-2012 20:31
Operator : 402331 Inst ID: gc15.i
Smp Info : 180-13537-h-5-a,090412.b
Misc Info : 180-13537-H-5-A
Comment   : 8081 analysis
Method   : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\TPESTA1.m
Meth Date : 06-Sep-2012 06:05 oravecj Quant Type: ESTD
Cal Date : 20-AUG-2012 16:55 Cal File: Q08120001192.D
Als bottle: 123
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEST.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1060.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.371	4.373	-0.002	333302	0.00628	0.000005921(aR)
6 alpha-BHC	4.705	4.723	-0.018	4700	6e-005	0.00000005944(a)
7 gamma-BHC (Lindane)	Compound Not Detected.					
8 beta-BHC	5.111	5.138	-0.027	4070	2e-004	0.0000001454(a)
9 Chlordane	Compound Not Detected.					
11 delta-BHC	5.320	5.326	-0.006	101041	0.00173	0.000001633(a)
12 Heptachlor	Compound Not Detected.					
17 Aldrin	Compound Not Detected.					
20 Heptachlor epoxide	6.034	6.060	-0.026	29251	7e-004	0.0000006438(a)
24 gamma-Chlordane	6.266	6.275	-0.009	2488	6e-005	0.00000005341(a)
25 alpha-Chlordane	Compound Not Detected.					
26 Endosulfan I	Compound Not Detected.					
27 4,4'-DDE	6.499	6.504	-0.005	3347	8.e-005	0.00000007579(a)
28 Dieldrin	Compound Not Detected.					
29 Toxaphene	Compound Not Detected.					
30 Endrin	Compound Not Detected.					
31 4,4'-DDD	6.948	6.953	-0.005	2872	8e-005	0.00000007820(a)
32 Endosulfan II	7.014	7.006	0.008	2666	8e-005	0.00000007416(a)
33 Endrin aldehyde	Compound Not Detected.					
34 4,4'-DDT	7.221	7.229	-0.008	3823	0.00012	0.0000001133(a)
35 Endosulfan sulfate	Compound Not Detected.					

Data File: \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\Q09120000238.D
Report Date: 06-Sep-2012 06:07

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ng)
36 Methoxychlor	Compound Not Detected.					
37 Endrin ketone	Compound Not Detected.					
$ 39 DCB Decachlorobiphenyl (Surr)	9.242	9.248	-0.006	206833	0.01375	0.00001297(aR)

QC Flag Legend

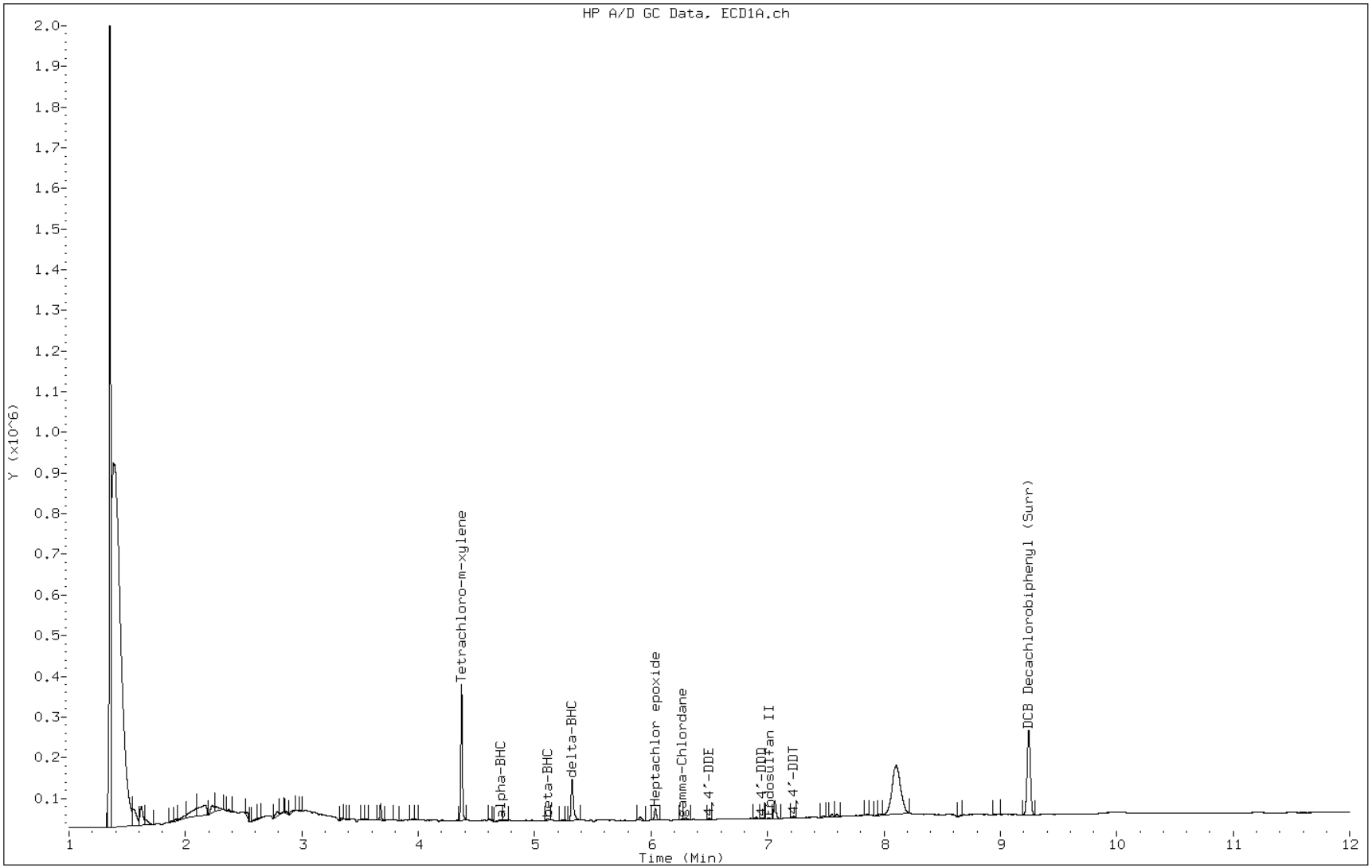
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: Q09120000238.D

Date: 05-SEP-2012 20:31

Client ID: MW-110 Instrument: gc15.i

Sample Info: 180-13537-h-5-a,090412.b Operator: 402331



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID: MW-110
Lab Sample ID: 180-13537-5
Matrix: Water
Lab File ID: R09120000238.D
Analysis Method: 8081A
Date Collected: 08/16/2012 11:40
Extraction Method: 3510C
Date Extracted: 08/20/2012 13:55
Sample wt/vol: 1060(mL)
Date Analyzed: 09/05/2012 20:31
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: MR-2 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 47297
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-86-8	delta-BHC	ND		0.0012	0.00036

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	29	X	60-111
2051-24-3	DCB Decachlorobiphenyl (Surr)	66		56-122

Data File: \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\R09120000238.D
Report Date: 06-Sep-2012 07:05

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\R09120000238.D
Lab Smp Id: 180-13537-H-5-A Client Smp ID: MW-110
Inj Date : 05-SEP-2012 20:31
Operator : 402331 Inst ID: gc15.i
Smp Info : 180-13537-h-5-a,090412.b
Misc Info : 180-13537-H-5-A
Comment   : 8081 Analysis
Method   : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\TPESTB2.m
Meth Date : 06-Sep-2012 07:04 oravecj Quant Type: ESTD
Cal Date : 20-AUG-2012 16:55 Cal File: R08120001192.D
Als bottle: 123
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEST.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1060.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	5.136	5.144	-0.008	127017	0.00571	0.000005389(aR)
6 alpha-BHC	Compound Not Detected.					
7 gamma-BHC (Lindane)	Compound Not Detected.					
8 Chlordane	Compound Not Detected.					
10 beta-BHC	Compound Not Detected.					
11 Heptachlor	6.155	6.187	-0.032	60894	0.00336	0.000003166(a)
13 delta-BHC	Compound Not Detected.					
17 Aldrin	Compound Not Detected.					
21 Heptachlor epoxide	Compound Not Detected.					
24 gamma-Chlordane	7.094	7.095	-0.001	1382	1e-004	0.0000001027(a)
25 alpha-Chlordane	Compound Not Detected.					
26 Endosulfan I	Compound Not Detected.					
27 4,4'-DDE	Compound Not Detected.					
28 Dieldrin	Compound Not Detected.					
31 Toxaphene	Compound Not Detected.					
29 Endrin	Compound Not Detected.					
30 4,4'-DDD	7.779	7.786	-0.007	1231	1e-004	0.0000001007(a)
32 Endosulfan II	Compound Not Detected.					
33 4,4'-DDT	Compound Not Detected.					
34 Endrin aldehyde	8.111	8.139	-0.028	3380	4e-004	0.0000003455(a)
35 Endosulfan sulfate	Compound Not Detected.					

Data File: \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\R09120000238.D
Report Date: 06-Sep-2012 07:05

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ng)
36 Methoxychlor	Compound Not Detected.					
38 Endrin ketone	Compound Not Detected.					
$ 39 DCB Decachlorobiphenyl (Surr)	10.645	10.654	-0.009	89572	0.01310	0.00001236(R)

QC Flag Legend

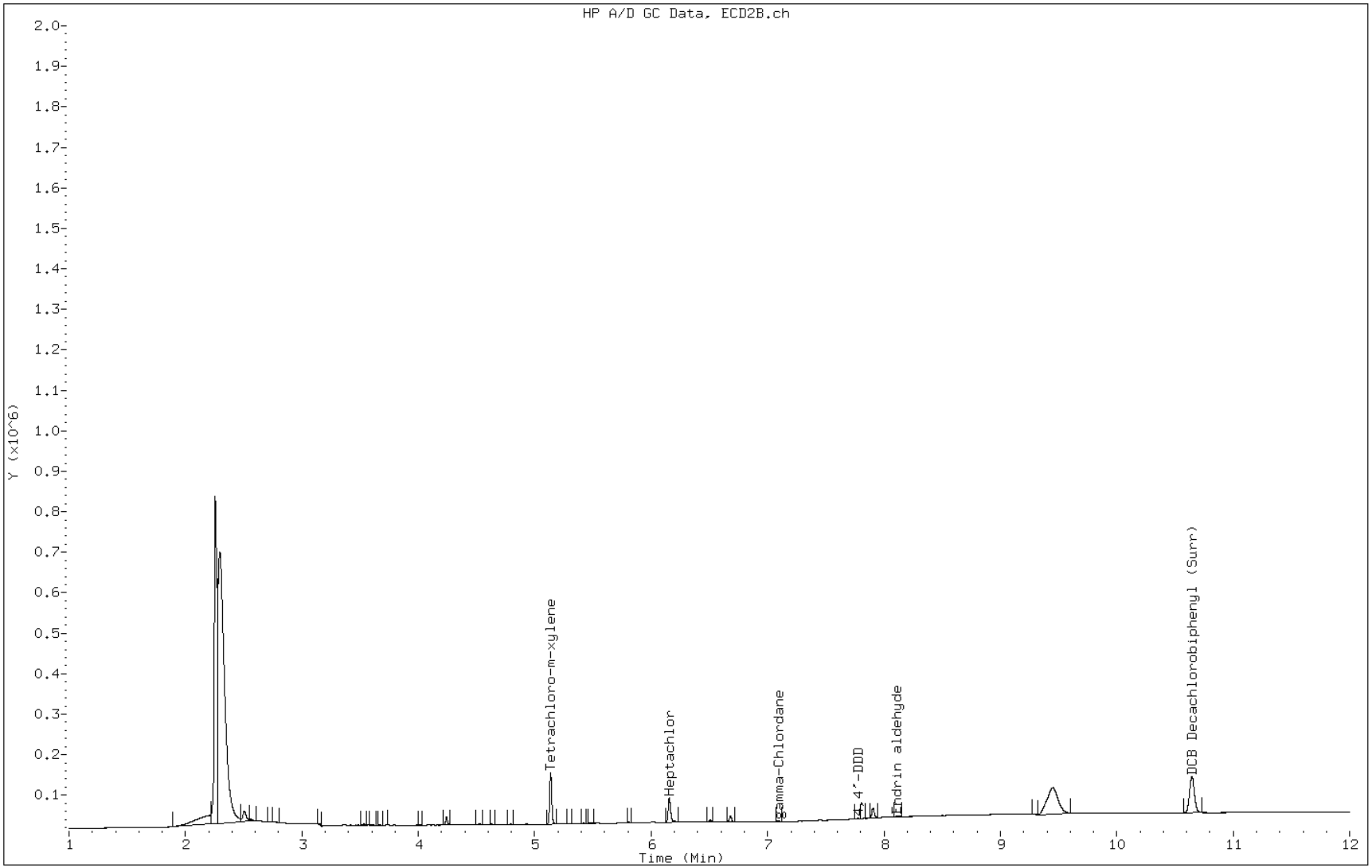
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: R09120000238.D

Date: 05-SEP-2012 20:31

Client ID: MW-110 Instrument: gc15.i

Sample Info: 180-13537-h-5-a,090412.b Operator: 402331



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-13537-1

SDG No.:

Client Sample ID: MW-102 | Lab Sample ID: 180-13537-6

Matrix: Water | Lab File ID: Q09120000239.D

Analysis Method: 8081A | Date Collected: 08/16/2012 12:00

Extraction Method: 3510C | Date Extracted: 08/20/2012 19:08

Sample wt/vol: 1050(mL) | Date Analyzed: 09/05/2012 20:47

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: MR-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 47297 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-84-6	alpha-BHC	ND		0.0012	0.00063
319-85-7	beta-BHC	ND		0.0012	0.00095
58-89-9	gamma-BHC (Lindane)	ND		0.0012	0.00076
5103-71-9	alpha-Chlordane	ND		0.0012	0.00093
50-29-3	4,4'-DDT	ND	*	0.0012	0.00070
959-98-8	Endosulfan I	ND		0.0012	0.00090
72-20-8	Endrin	0.0013	p	0.0012	0.00091
7421-93-4	Endrin aldehyde	ND		0.0012	0.00086
53494-70-5	Endrin ketone	0.0098		0.0012	0.00088
76-44-8	Heptachlor	ND		0.0012	0.00094
72-43-5	Methoxychlor	0.0025	p	0.0024	0.00087
8001-35-2	Toxaphene	ND		0.095	0.018

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	33	X	60-111
2051-24-3	DCB Decachlorobiphenyl (Surr)	119		56-122

Data File: \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\Q09120000239.D
Report Date: 06-Sep-2012 06:07

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\Q09120000239.D
Lab Smp Id: 180-13537-G-6-B Client Smp ID: MW-102
Inj Date : 05-SEP-2012 20:47
Operator : 402331 Inst ID: gc15.i
Smp Info : 180-13537-g-6-b,090412.b
Misc Info : 180-13537-G-6-B
Comment : 8081 analysis
Method : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\TPESTA1.m
Meth Date : 06-Sep-2012 06:05 oravecj Quant Type: ESTD
Cal Date : 20-AUG-2012 16:55 Cal File: Q08120001192.D
Als bottle: 124
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEST.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1050.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.372	4.373	-0.001	351571	0.00662	0.000006305(aR)
6 alpha-BHC	Compound Not Detected.					
7 gamma-BHC (Lindane)	4.963	4.978	-0.015	23080	4e-004	0.0000003404(a)
8 beta-BHC	5.156	5.138	0.018	19758	7e-004	0.0000007129(a)
9 Chlordane	5.266	5.254	0.012	4776	0.01279	0.00001218(a)
11 delta-BHC	5.320	5.326	-0.006	87910	0.00151	0.000001434(a)
12 Heptachlor	Compound Not Detected.					
17 Aldrin	5.736	5.709	0.027	104981	0.00218	0.000002072(a)
20 Heptachlor epoxide	6.058	6.060	-0.002	122724	0.00286	0.000002727(a)
24 gamma-Chlordane	6.256	6.275	-0.019	127517	0.00290	0.000002763(a)
25 alpha-Chlordane	6.340	6.342	-0.002	5498	1e-004	0.0000001254(a)
26 Endosulfan I	6.372	6.380	-0.008	4080	1e-004	0.0000001028(a)
27 4,4'-DDE	6.493	6.504	-0.011	52275	0.00125	0.000001195(a)
28 Dieldrin	6.625	6.616	0.009	95596	0.00229	0.000002179(a)
29 Toxaphene	Compound Not Detected.					
30 Endrin	6.826	6.810	0.016	46932	0.00134	0.000001271(a)
31 4,4'-DDD	6.957	6.953	0.004	259969	0.00750	0.000007146(a)
32 Endosulfan II	7.014	7.006	0.008	126455	0.00373	0.000003551(a)
33 Endrin aldehyde	Compound Not Detected.					
34 4,4'-DDT	Compound Not Detected.					
35 Endosulfan sulfate	7.328	7.331	-0.003	84320	0.00285	0.000002710(a)

Data File: \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\Q09120000239.D
Report Date: 06-Sep-2012 06:07

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ng)
36 Methoxychlor	7.692	7.671	0.021	38099	0.00266	0.000002531(a)
37 Endrin ketone	7.762	7.756	0.006	352877	0.01028	0.000009793(a)
$ 39 DCB Decachlorobiphenyl (Surr)	9.243	9.248	-0.005	357902	0.02379	0.00002266(aR)

QC Flag Legend

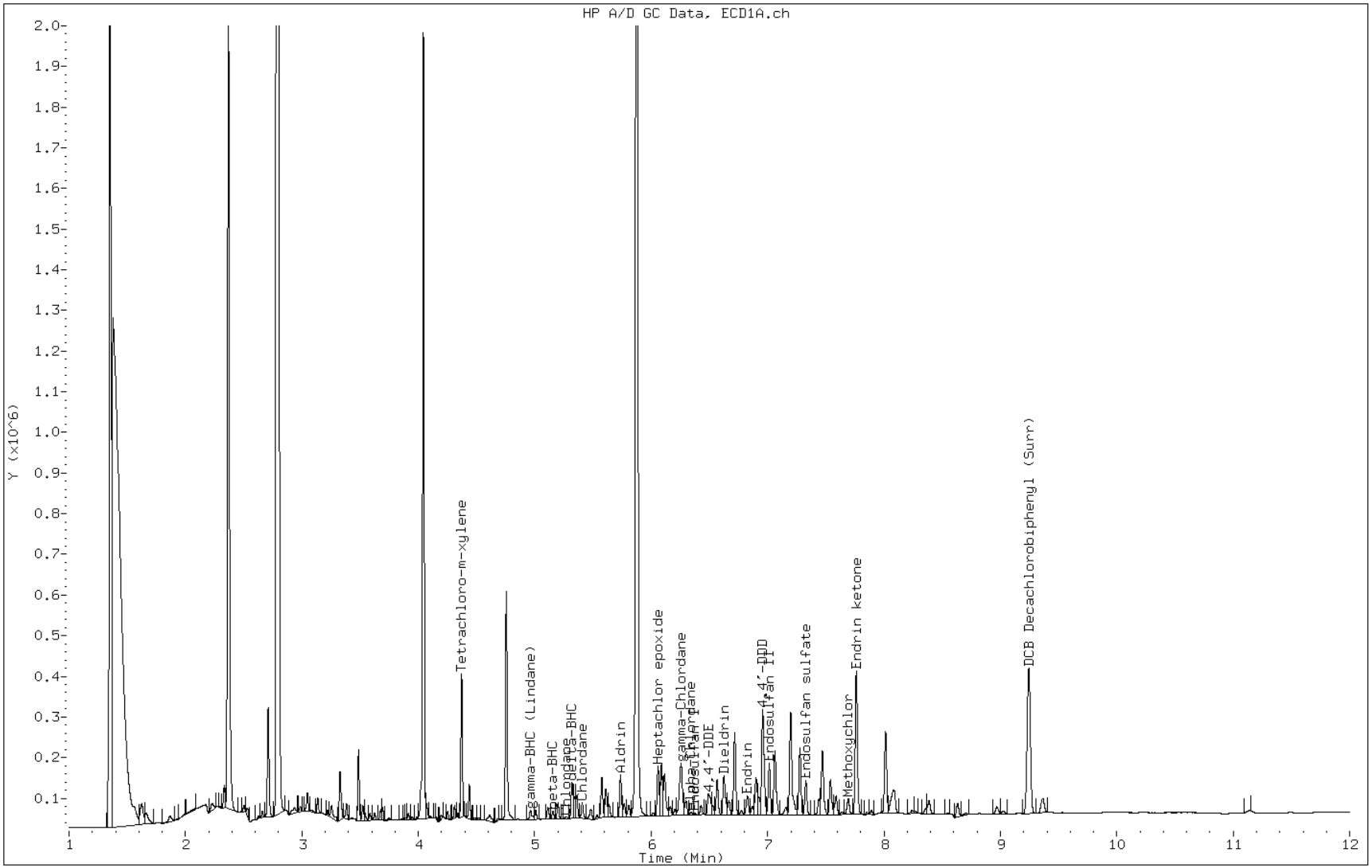
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: Q09120000239.D

Date: 05-SEP-2012 20:47

Client ID: MW-102 Instrument: gc15.i

Sample Info: 180-13537-g-6-b,090412.b Operator: 402331



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-13537-1

SDG No.:

Client Sample ID: MW-102 | Lab Sample ID: 180-13537-6

Matrix: Water | Lab File ID: R09120000239.D

Analysis Method: 8081A | Date Collected: 08/16/2012 12:00

Extraction Method: 3510C | Date Extracted: 08/20/2012 19:08

Sample wt/vol: 1050(mL) | Date Analyzed: 09/05/2012 20:47

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: MR-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 47297 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	0.00080	J p	0.0012	0.00079
319-86-8	delta-BHC	0.00041	J p	0.0012	0.00036
5103-74-2	gamma-Chlordane	0.0011	J p	0.0012	0.00091
72-54-8	4,4'-DDD	ND		0.0012	0.00064
72-55-9	4,4'-DDE	ND		0.0012	0.00075
60-57-1	Dieldrin	0.00099	J p	0.0012	0.00078
33213-65-9	Endosulfan II	0.0017	p	0.0012	0.00093
1031-07-8	Endosulfan sulfate	0.00078	J p	0.0012	0.00054
1024-57-3	Heptachlor epoxide	0.00092	J p	0.0012	0.00092

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	33	X	60-111
2051-24-3	DCB Decachlorobiphenyl (Surr)	108		56-122

Data File: \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\R09120000239.D
Report Date: 06-Sep-2012 07:05

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\R09120000239.D
Lab Smp Id: 180-13537-G-6-B Client Smp ID: MW-102
Inj Date : 05-SEP-2012 20:47
Operator : 402331 Inst ID: gc15.i
Smp Info : 180-13537-g-6-b,090412.b
Misc Info : 180-13537-G-6-B
Comment : 8081 Analysis
Method : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\TPESTB2.m
Meth Date : 06-Sep-2012 07:04 oravecj Quant Type: ESTD
Cal Date : 20-AUG-2012 16:55 Cal File: R08120001192.D
Als bottle: 124
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEST.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1050.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	5.139	5.144	-0.005	145104	0.00653	0.000006215(aR)
6 alpha-BHC	5.545	5.589	-0.044	251428	0.00859	0.000008180(a)
7 gamma-BHC (Lindane)	5.889	5.877	0.012	6641	3e-004	0.0000002554(a)
8 Chlordane	6.055	6.036	0.019	1680	0.03561	0.00003391(a)
10 beta-BHC	6.055	6.102	-0.047	1680	2e-004	0.0000001512(a)
11 Heptachlor	6.157	6.187	-0.030	67066	0.00370	0.000003520(a)
13 delta-BHC	6.338	6.327	0.011	9141	4e-004	0.0000004058(a)
17 Aldrin	6.440	6.446	-0.006	14444	0.00084	0.0000007999(a)
21 Heptachlor epoxide	6.867	6.878	-0.011	13471	0.00097	0.0000009238(a)
24 gamma-Chlordane	7.097	7.095	0.002	14744	0.00116	0.000001106(a)
25 alpha-Chlordane	7.138	7.154	-0.016	27331	0.00229	0.000002180(a)
26 Endosulfan I	7.199	7.222	-0.023	5873	5e-004	0.0000005161(a)
27 4,4'-DDE	7.248	7.282	-0.034	7354	6.e-004	0.0000005743(a)
28 Dieldrin	7.461	7.460	0.001	12443	0.00104	0.0000009922(a)
31 Toxaphene	Compound Not Detected.					
29 Endrin	7.706	7.719	-0.013	89570	0.00899	0.000008558(a)
30 4,4'-DDD	7.751	7.786	-0.035	2997	0.00026	0.0000002476(a)
32 Endosulfan II	7.966	7.973	-0.007	21277	0.00181	0.000001723(a)
33 4,4'-DDT	8.017	8.023	-0.006	90387	0.00895	0.000008523(a)
34 Endrin aldehyde	8.106	8.139	-0.033	36741	0.00398	0.000003791(a)
35 Endosulfan sulfate	8.361	8.360	0.001	8602	8e-004	0.0000007802(a)

Data File: \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\R09120000239.D
Report Date: 06-Sep-2012 07:05

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
36 Methoxychlor	8.582	8.593	-0.011	139607	0.02804	0.00002670(a)
38 Endrin ketone	9.007	8.980	0.027	96299	0.00840	0.000008004(a)
$ 39 DCB Decachlorobiphenyl (Surr)	10.644	10.654	-0.010	147743	0.02161	0.00002058(R)

QC Flag Legend

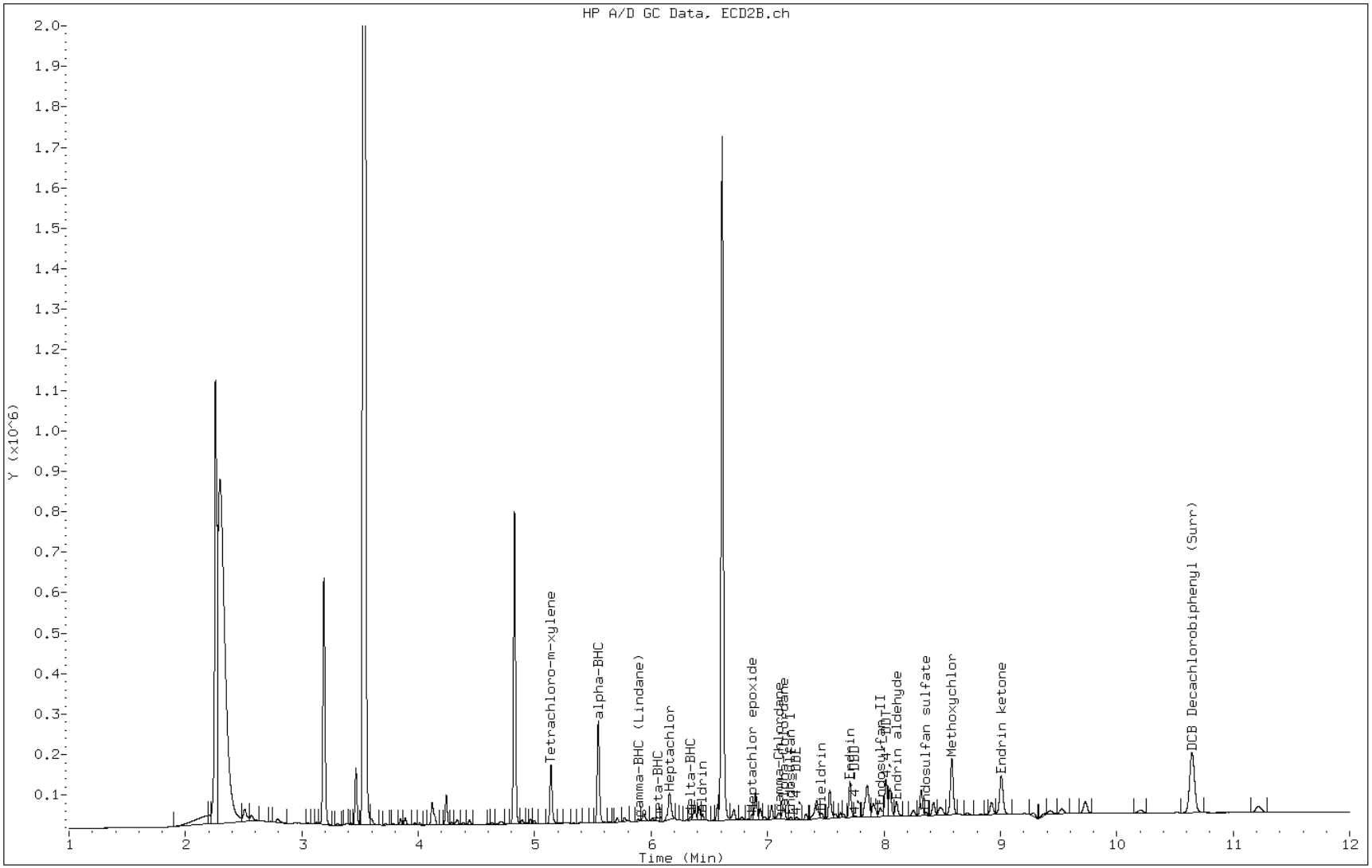
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: R09120000239.D

Date: 05-SEP-2012 20:47

Client ID: MW-102 Instrument: gc15.i

Sample Info: 180-13537-g-6-b,090412.b Operator: 402331



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 45885

SDG No.:

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/20/2012 11:59 Calibration End Date: 08/20/2012 11:59 Calibration ID: 6376

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-45885/2	Q08120001173.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
Toxaphene Peak 1	7.005										6.975 - 7.035	7.005
Toxaphene Peak 2	7.230										7.200 - 7.260	7.230
Toxaphene Peak 3	7.310										7.280 - 7.340	7.310
Toxaphene Peak 4	7.718										7.688 - 7.748	7.718
Tetrachloro-m-xylene	4.360										4.330 - 4.390	4.360
DCB Decachlorobiphenyl (Surr)	9.230										9.180 - 9.280	9.230

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 45885

SDG No.:

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/20/2012 11:59 Calibration End Date: 08/20/2012 11:59 Calibration ID: 6376

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-45885/2	Q08120001173.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
Toxaphene Peak 1	619421				Ave		619421.000						20.0			
Toxaphene Peak 2	881166				Ave		881166.000						20.0			
Toxaphene Peak 3	664289				Ave		664289.000						20.0			
Toxaphene Peak 4	721556				Ave		721556.000						20.0			
Tetrachloro-m-xylene	44462120				Ave		53101403.3				15.4		20.0			
DCB Decachlorobiphenyl	12118040				Ave		15045618.3				14.3		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 45885

SDG No.:

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/20/2012 11:59 Calibration End Date: 08/20/2012 11:59 Calibration ID: 6376

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-45885/2	Q08120001173.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1					LVL 1				
Toxaphene Peak 1	Ave	619421					1.00				
Toxaphene Peak 2	Ave	881166					1.00				
Toxaphene Peak 3	Ave	664289					1.00				
Toxaphene Peak 4	Ave	721556					1.00				
Tetrachloro-m-xylene	Ave	1111553					0.0250				
DCB Decachlorobiphenyl (Surr)	Ave	302951					0.0250				

Curve Type Legend:

Ave = Average by Height

Data File: \\pitsvr06\d\chem\gc15.i\0820128081A.b\Q08120001173.D
Report Date: 21-Aug-2012 03:54

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc15.i\0820128081A.b\Q08120001173.D
Lab Smp Id: IC 312662
Inj Date : 20-AUG-2012 11:59
Operator : 01797 Inst ID: gc15.i
Smp Info : IC 312662,082012.b
Misc Info :
Comment : 8081 analysis
Method : \\pitsvr06\d\chem\gc15.i\0820128081A.b\TPESTA1.m
Meth Date : 21-Aug-2012 03:54 eppinged Quant Type: ESTD
Cal Date : 20-AUG-2012 11:59 Cal File: Q08120001173.D
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-TOX.sub
Target Version: 4.14
Processing Host: PITPC-509

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 4 Tetrachloro-m-xylene	4.360	4.360	0.000	1111553	0.02500	0.02500
29 Toxaphene	7.005	7.005	0.000	619421	1.00000	1.000(M)
$ 39 DCB Decachlorobiphenyl (Surr)	9.230	9.230	0.000	302951	0.02500	0.02500

QC Flag Legend

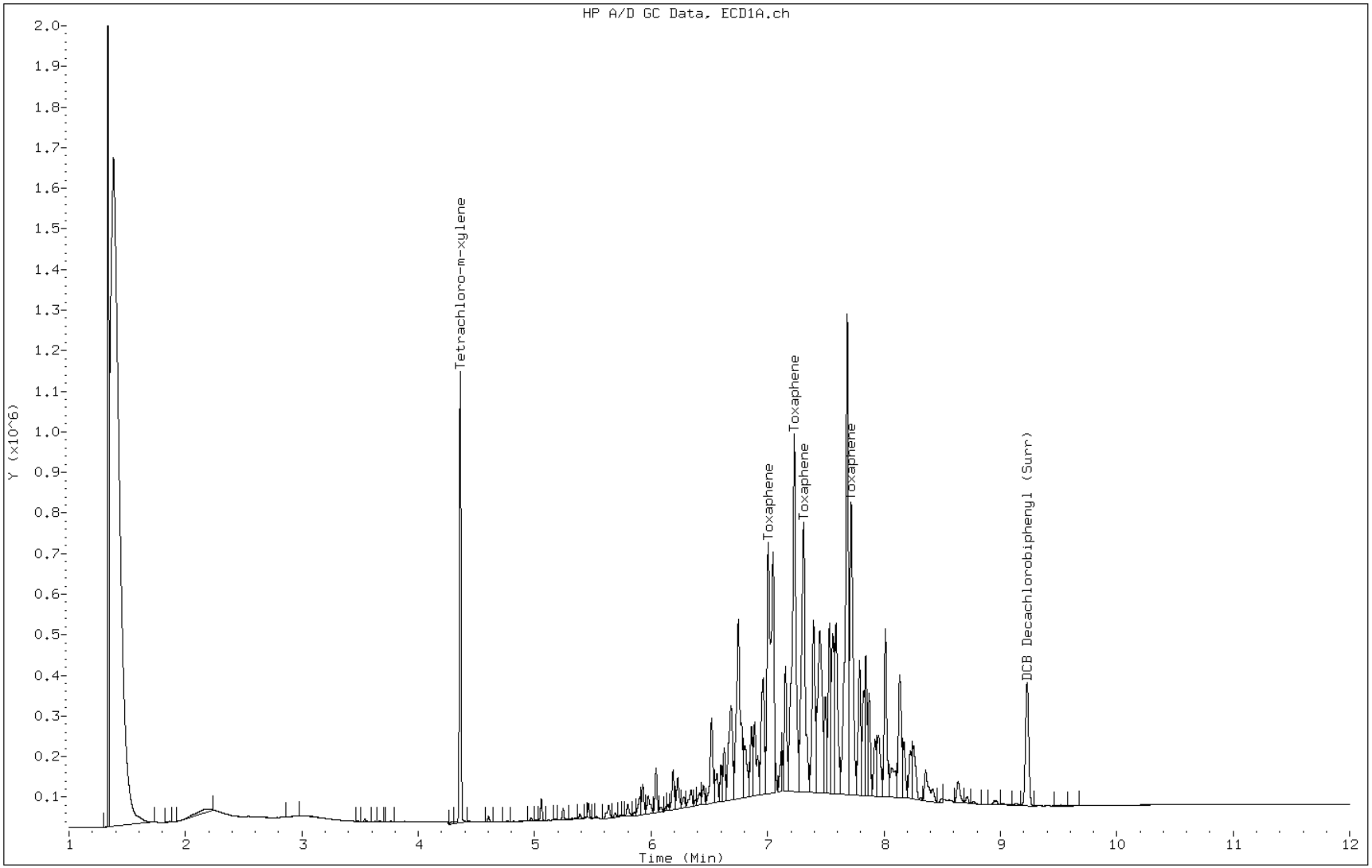
M - Compound response manually integrated.

Data File: Q08120001173.D

Date: 20-AUG-2012 11:59

Client ID: Instrument: gc15.i

Sample Info: IC 312662,082012.b Operator: 01797



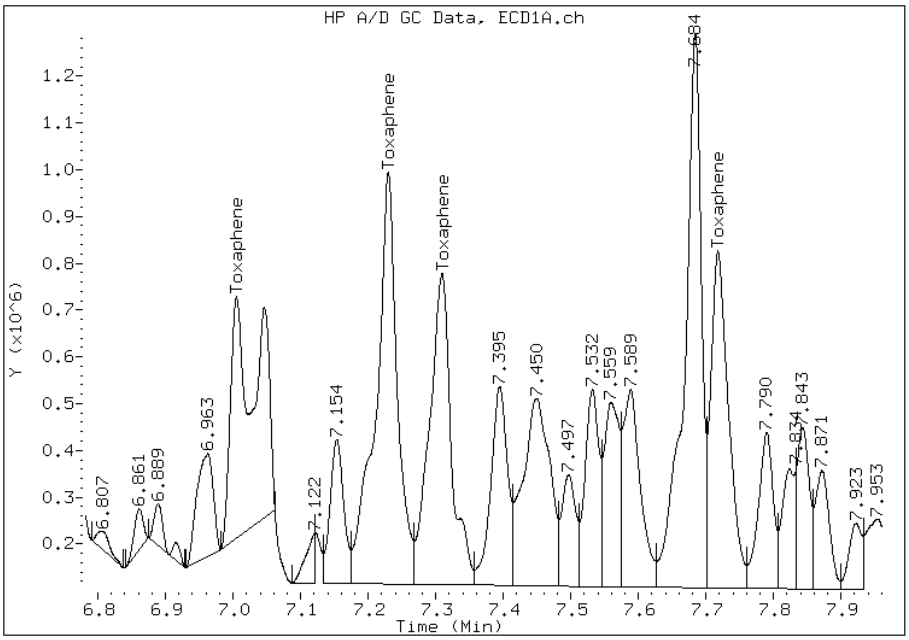
Manual Integration Report

Data File: Q08120001173.D
Inj. Date and Time: 20-AUG-2012 11:59
Instrument ID: gc15.i
Client ID:
Compound: 29 Toxaphene
CAS #: 8001-35-2
Report Date: 08/22/2012

Processing Integration Results

RT	Response	Conc
7.00	516217*	1.00
7.23	881166	1.00
7.31	664289	1.00
7.72	721556	1.00

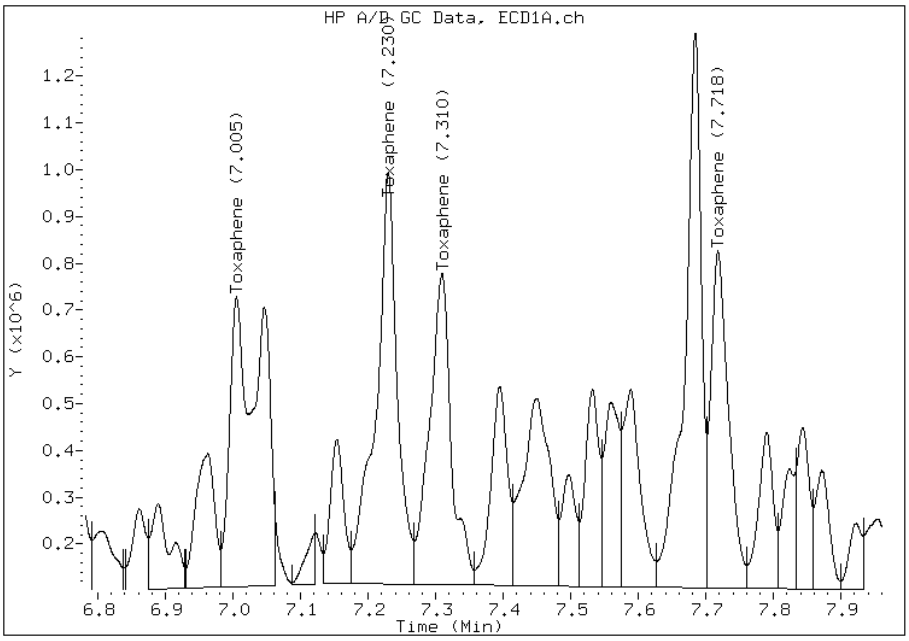
Final Conc		1.00



Manual Integration Results

RT	Response	Conc
7.00	619421*	1.00
7.23	881166	1.00
7.31	664289	1.00
7.72	721556	1.00

Final Conc		1.00



Manually Integrated By: eppinged
Modification Date: 21-Aug-2012 03:54
Manual Integration Reason: Baseline Event

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 45885

SDG No.:

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/20/2012 11:59 Calibration End Date: 08/20/2012 11:59 Calibration ID: 6382

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-45885/2	R08120001173.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
Toxaphene Peak 1	7.402										7.352 - 7.452	7.402
Toxaphene Peak 2	7.610										7.560 - 7.660	7.610
Toxaphene Peak 3	8.259										8.209 - 8.309	8.259
Toxaphene Peak 4	8.834										8.784 - 8.884	8.834
Tetrachloro-m-xylene	5.142										5.092 - 5.192	5.142
DCB Decachlorobiphenyl (Surr)	10.665										10.615 - 10.715	10.665

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 45885

SDG No.:

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/20/2012 11:59 Calibration End Date: 08/20/2012 11:59 Calibration ID: 6382

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-45885/2	R08120001173.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
Toxaphene Peak 1	62891				Ave		62891.0000						20.0			
Toxaphene Peak 2	110740				Ave		110740.000						20.0			
Toxaphene Peak 3	315253				Ave		315253.000						20.0			
Toxaphene Peak 4	301934				Ave		301934.000						20.0			
Tetrachloro-m-xylene	18775240				Ave		22236433.3				10.4		20.0			
DCB Decachlorobiphenyl	5221120				Ave		6835300.00				11.1		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 45885

SDG No.:

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/20/2012 11:59 Calibration End Date: 08/20/2012 11:59 Calibration ID: 6382

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-45885/2	R08120001173.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1					LVL 1				
Toxaphene Peak 1	Ave	62891					1.00				
Toxaphene Peak 2	Ave	110740					1.00				
Toxaphene Peak 3	Ave	315253					1.00				
Toxaphene Peak 4	Ave	301934					1.00				
Tetrachloro-m-xylene	Ave	469381					0.0250				
DCB Decachlorobiphenyl (Surr)	Ave	130528					0.0250				

Curve Type Legend:

Ave = Average by Height

Data File: \\pitsvr06\d\chem\gc15.i\0820128081A.b\R08120001173.D
Report Date: 21-Aug-2012 04:37

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc15.i\0820128081A.b\R08120001173.D
Lab Smp Id: IC 312662
Inj Date : 20-AUG-2012 11:59
Operator : 01797 Inst ID: gc15.i
Smp Info : IC 312662,082012.b
Misc Info :
Comment : 8081 Analysis
Method : \\pitsvr06\d\chem\gc15.i\0820128081A.b\TPESTB2.m
Meth Date : 21-Aug-2012 04:37 gc15.i Quant Type: ESTD
Cal Date : 20-AUG-2012 15:38 Cal File: R08120001187.D
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-TOX.sub
Target Version: 4.14
Processing Host: PITPC-509

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 4 Tetrachloro-m-xylene	5.142	5.142	0.000	469381	0.02500	0.02156
31 Toxaphene	7.402	7.402	0.000	62891	1.00000	1.000(M)
$ 39 DCB Decachlorobiphenyl (Surr)	10.664	10.665	-0.001	130528	0.02500	0.01963

QC Flag Legend

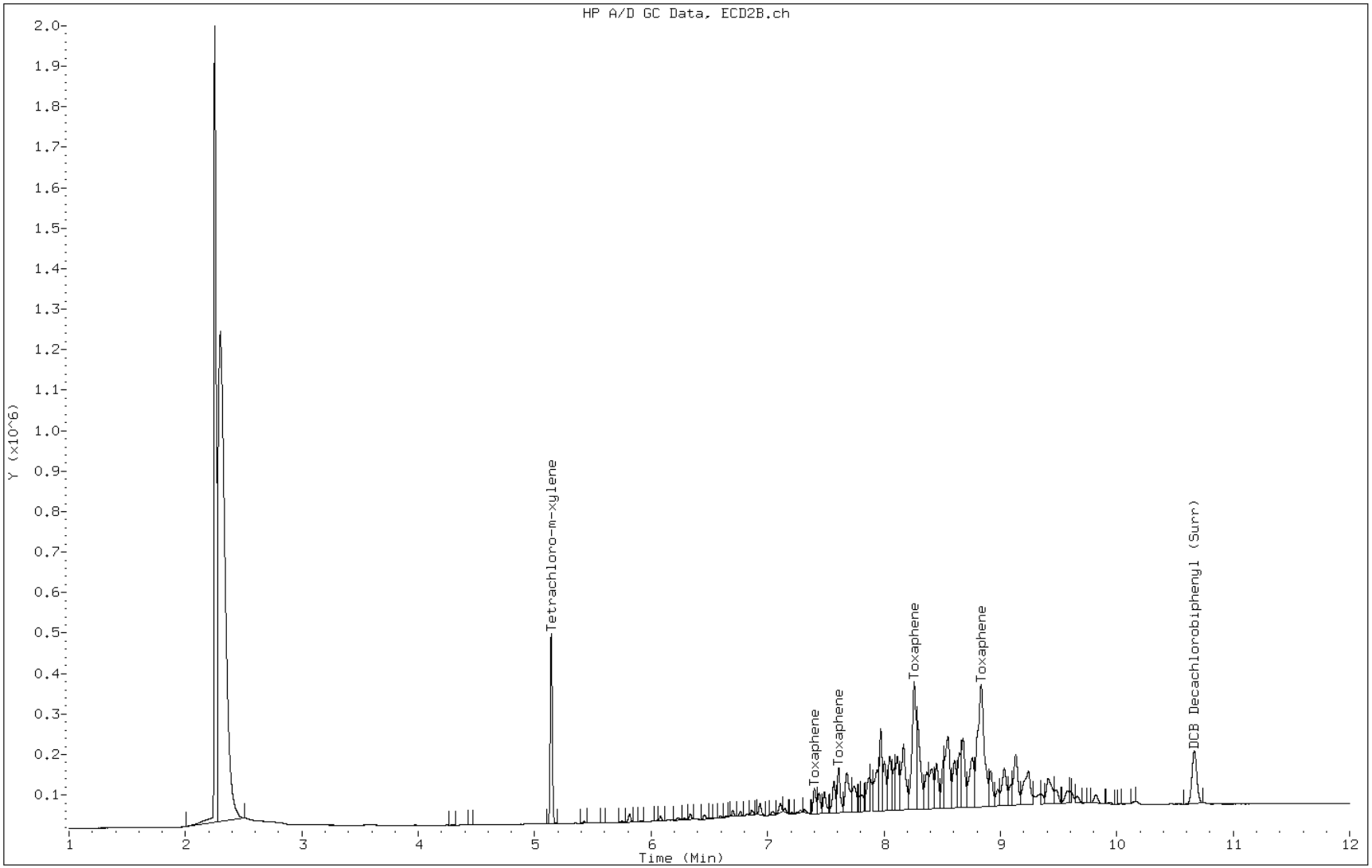
M - Compound response manually integrated.

Data File: R08120001173.D

Date: 20-AUG-2012 11:59

Client ID: Instrument: gc15.i

Sample Info: IC 312662,082012.b Operator: 01797



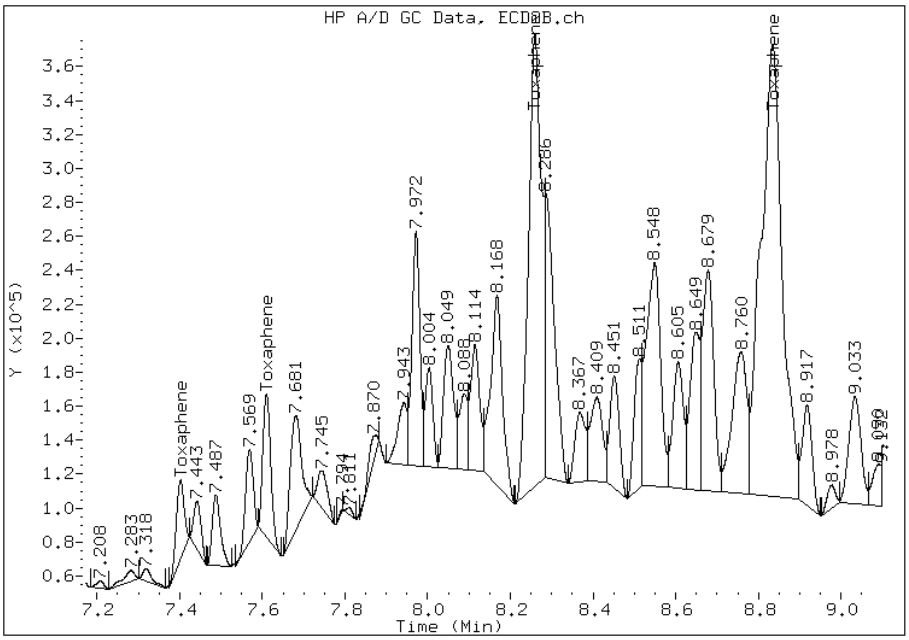
Manual Integration Report

Data File: R08120001173.D
Inj. Date and Time: 20-AUG-2012 11:59
Instrument ID: gc15.i
Client ID:
Compound: 31 Toxaphene
CAS #: 8001-35-2
Report Date: 08/22/2012

Processing Integration Results

RT	Response	Conc
7.40	46139*	1.00
7.61	84073*	1.00
8.26	266506*	1.00
8.83	266346*	1.00

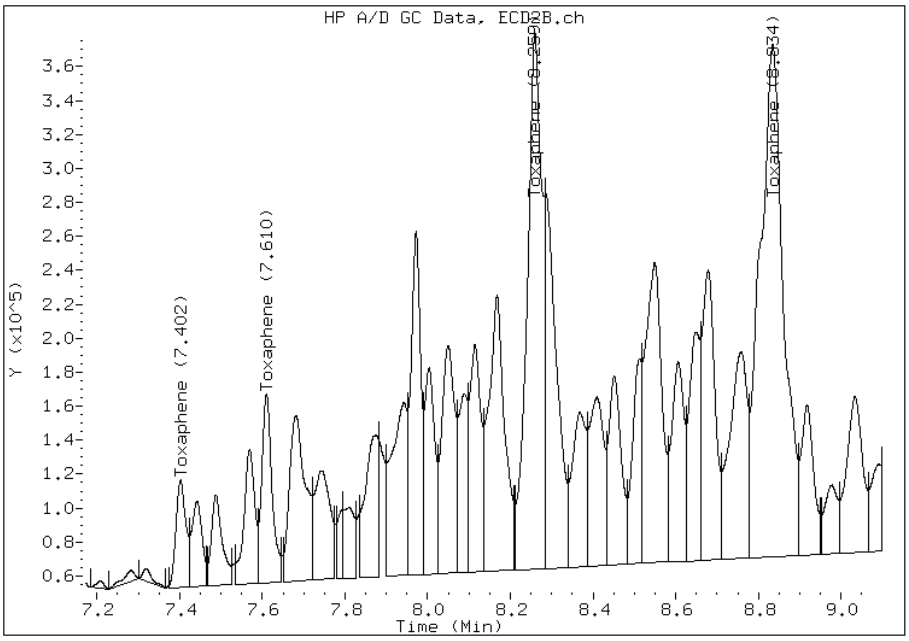
Final Conc		1.00



Manual Integration Results

RT	Response	Conc
7.40	62891*	1.00
7.61	110740*	1.00
8.26	315253*	1.00
8.83	301934*	1.00

Final Conc		1.00



Manually Integrated By: eppinged
Modification Date: 21-Aug-2012 04:30
Manual Integration Reason: Baseline Event

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 45885

SDG No.:

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/20/2012 15:38 Calibration End Date: 08/20/2012 16:55 Calibration ID: 6380

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-45885/16	Q08120001187.D
Level 2	IC 180-45885/17	Q08120001188.D
Level 3	ICRT 180-45885/18	Q08120001189.D
Level 4	IC 180-45885/19	Q08120001190.D
Level 5	IC 180-45885/20	Q08120001191.D
Level 6	IC 180-45885/21	Q08120001192.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
alpha-BHC	4.709	4.709	4.710	4.710	4.710	4.711					4.680 - 4.740	4.710
gamma-BHC (Lindane)	4.964	4.964	4.965	4.964	4.965	4.965					4.935 - 4.995	4.964
beta-BHC	5.124	5.123	5.124	5.124	5.124	5.123					5.094 - 5.154	5.124
delta-BHC	5.311	5.311	5.311	5.310	5.311	5.312					5.281 - 5.341	5.311
Heptachlor	5.424	5.424	5.424	5.424	5.424	5.425					5.394 - 5.454	5.424
Aldrin	5.694	5.695	5.695	5.695	5.696	5.696					5.665 - 5.725	5.695
Heptachlor epoxide	6.046	6.046	6.046	6.046	6.046	6.047					6.016 - 6.076	6.046
gamma-Chlordane	6.261	6.261	6.261	6.262	6.261	6.262					6.231 - 6.291	6.261
alpha-Chlordane	6.330	6.328	6.328	6.328	6.328	6.328					6.298 - 6.358	6.328
Endosulfan I	6.366	6.366	6.365	6.366	6.366	6.366					6.335 - 6.395	6.366
4,4'-DDE	6.488	6.488	6.487	6.487	6.488	6.489					6.457 - 6.517	6.488
Dieldrin	6.601	6.601	6.602	6.601	6.602	6.602					6.572 - 6.632	6.601
Endrin	6.797	6.797	6.796	6.796	6.797	6.797					6.766 - 6.826	6.797
4,4'-DDD	6.938	6.937	6.937	6.937	6.938	6.936					6.907 - 6.967	6.937
Endosulfan II	6.992	6.991	6.992	6.992	6.992	6.992					6.962 - 7.022	6.992
Endrin aldehyde	7.106	7.107	7.106	7.106	7.106	7.107					7.076 - 7.136	7.106
4,4'-DDT	7.215	7.215	7.215	7.215	7.215	7.215					7.185 - 7.245	7.215
Endosulfan sulfate	7.317	7.316	7.317	7.316	7.317	7.317					7.287 - 7.347	7.317
Methoxychlor	7.656	7.657	7.657	7.657	7.657	7.657					7.627 - 7.687	7.657
Endrin ketone	7.741	7.741	7.742	7.742	7.742	7.743					7.712 - 7.772	7.742
Tetrachloro-m-xylene	4.359	4.360	4.360	4.360	4.360	4.360					4.330 - 4.390	4.360
DCB Decachlorobiphenyl (Surr)	9.231	9.229	9.226	9.229	9.230	9.229					9.180 - 9.280	9.229

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 45885

SDG No.:

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/20/2012 15:38 Calibration End Date: 08/20/2012 16:55 Calibration ID: 6380

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-45885/16	Q08120001187.D
Level 2	IC 180-45885/17	Q08120001188.D
Level 3	ICRT 180-45885/18	Q08120001189.D
Level 4	IC 180-45885/19	Q08120001190.D
Level 5	IC 180-45885/20	Q08120001191.D
Level 6	IC 180-45885/21	Q08120001192.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
alpha-BHC	71491000 72376580	90230800 72660190	68955400	71855260	Ave		74594871.7				10.4		20.0			
gamma-BHC (Lindane)	62464000 61761370	78059400 61702010	59804600	63612000	Ave		64567230.0				10.4		20.0			
beta-BHC	27997000 25155490	31366600 24217140	24452400	25190060	Ave		26396448.3				10.6		20.0			
delta-BHC	56650000 56515450	68428800 56061470	55365080	57266320	Ave		58381186.7				8.5		20.0			
Heptachlor	51697000 47160780	64447400 44168765	49598480	49449360	Ave		51086964.2				13.8		20.0			
Aldrin	47791000 44372550	60763800 41804220	47435680	47320780	Ave		48248005.0				13.6		20.0			
Heptachlor epoxide	46668000 37867890	54270800 36793680	40660320	40928360	Ave		42864841.7				15.3		20.0			
gamma-Chlordane	43026000 41218740	52640000 41403170	41892000	43500360	Ave		43946711.7				9.9		20.0			
alpha-Chlordane	43818000 38335500	50694400 38138680	39322480	40144500	Ave		41742260.0				11.6		20.0			
Endosulfan I	38007000 34558690	46251200 33494920	38040880	36544360	Ave		37816175.0				12.0		20.0			
4,4'-DDE	39212000 38991640	50478400 38195105	41616440	41470460	Ave		41660674.2				10.9		20.0			
Dieldrin	41400000 38299870	52037000 36972720	41626720	40346480	Ave		41780465.0				12.8		20.0			
Endrin	34655000 32517440	43076200 30714695	34807520	35158780	Ave		35154939.2				12.1		20.0			
4,4'-DDD	35013000 32715620	40273800 31454375	34443760	33997220	Ave		34649629.2				8.8		20.0			
Endosulfan II	32729000 31561820	40821000 31284500	32938920	34152400	Ave		33914606.7				10.4		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 45885

SDG No.:

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/20/2012 15:38 Calibration End Date: 08/20/2012 16:55 Calibration ID: 6380

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Endrin aldehyde	25810000 23939390	31967600 25176140	26968280	26224820	Ave		26681038.3				10.4		20.0			
4,4'-DDT	29575000 31468060	36231800 31267115	30934920	31573120	Ave		31841669.2				7.1		20.0			
Endosulfan sulfate	29861000 26985300	36397600 27364120	28583440	28608580	Ave		29633340.0				11.7		20.0			
Methoxychlor	14194000 13437950	17457000 13222010	13422200	14272180	Ave		14334223.3				11.1		20.0			
Endrin ketone	34257000 32421350	41386000 31629030	32545000	33659740	Ave		34316353.3				10.5		20.0			
Tetrachloro-m-xylene	58466000 49647300	66833400 47835200	51636120	51364400	Ave		53101403.3				15.4		20.0			
DCB Decachlorobiphenyl (Surr)	16118000 14188190	18543000 14379120	14456000	14927360	Ave		15045618.3				14.3		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 45885

SDG No.:

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/20/2012 15:38 Calibration End Date: 08/20/2012 16:55 Calibration ID: 6380

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-45885/16	Q08120001187.D
Level 2	IC 180-45885/17	Q08120001188.D
Level 3	ICRT 180-45885/18	Q08120001189.D
Level 4	IC 180-45885/19	Q08120001190.D
Level 5	IC 180-45885/20	Q08120001191.D
Level 6	IC 180-45885/21	Q08120001192.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	Ave	71491 14532038	451154	1723885	3592763	7237658	0.00100 0.200	0.00500	0.0250	0.0500	0.100
gamma-BHC (Lindane)	Ave	62464 12340402	390297	1495115	3180600	6176137	0.00100 0.200	0.00500	0.0250	0.0500	0.100
beta-BHC	Ave	27997 4843428	156833	611310	1259503	2515549	0.00100 0.200	0.00500	0.0250	0.0500	0.100
delta-BHC	Ave	56650 11212294	342144	1384127	2863316	5651545	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Heptachlor	Ave	51697 8833753	322237	1239962	2472468	4716078	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Aldrin	Ave	47791 8360844	303819	1185892	2366039	4437255	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Heptachlor epoxide	Ave	46668 7358736	271354	1016508	2046418	3786789	0.00100 0.200	0.00500	0.0250	0.0500	0.100
gamma-Chlordane	Ave	43026 8280634	263200	1047300	2175018	4121874	0.00100 0.200	0.00500	0.0250	0.0500	0.100
alpha-Chlordane	Ave	43818 7627736	253472	983062	2007225	3833550	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endosulfan I	Ave	38007 6698984	231256	951022	1827218	3455869	0.00100 0.200	0.00500	0.0250	0.0500	0.100
4,4'-DDE	Ave	39212 7639021	252392	1040411	2073523	3899164	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Dieldrin	Ave	41400 7394544	260185	1040668	2017324	3829987	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endrin	Ave	34655 6142939	215381	870188	1757939	3251744	0.00100 0.200	0.00500	0.0250	0.0500	0.100
4,4'-DDD	Ave	35013 6290875	201369	861094	1699861	3271562	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endosulfan II	Ave	32729 6256900	204105	823473	1707620	3156182	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endrin aldehyde	Ave	25810 5035228	159838	674207	1311241	2393939	0.00100 0.200	0.00500	0.0250	0.0500	0.100

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 45885

SDG No.:

Instrument ID: GC15 GC Column: MR-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/20/2012 15:38 Calibration End Date: 08/20/2012 16:55 Calibration ID: 6380

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
4,4'-DDT	Ave	29575 6253423	181159	773373	1578656	3146806	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endosulfan sulfate	Ave	29861 5472824	181988	714586	1430429	2698530	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Methoxychlor	Ave	14194 2644402	87285	335555	713609	1343795	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endrin ketone	Ave	34257 6325806	206930	813625	1682987	3242135	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Tetrachloro-m-xylene	Ave	58466 9567040	334167	1290903	2568220	4964730	0.00100 0.200	0.00500	0.0250	0.0500	0.100
DCB Decachlorobiphenyl (Surr)	Ave	16118 2875824	92715	361400	746368	1418819	0.00100 0.200	0.00500	0.0250	0.0500	0.100

Curve Type Legend:
Ave = Average by Height

Data File: \\pitsvr06\d\chem\gc15.i\0820128081A.b\Q08120001187.D
Report Date: 21-Aug-2012 03:58

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc15.i\0820128081A.b\Q08120001187.D
Lab Smp Id: IC 343055
Inj Date : 20-AUG-2012 15:38
Operator : 01797 Inst ID: gc15.i
Smp Info : IC 343055,082012.b
Misc Info :
Comment : 8081 analysis
Method : \\pitsvr06\d\chem\gc15.i\0820128081A.b\TPESTA1.m
Meth Date : 21-Aug-2012 03:58 eppinged Quant Type: ESTD
Cal Date : 20-AUG-2012 15:38 Cal File: Q08120001187.D
Als bottle: 16 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PESTCAL.sub
Target Version: 4.14
Processing Host: PITPC-509

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 4 Tetrachloro-m-xylene	4.359	4.360	-0.001	58466	0.00100	0.001136
6 alpha-BHC	4.709	4.709	0.000	71491	0.00100	0.001018
7 gamma-BHC (Lindane)	4.964	4.964	0.000	62464	0.00100	0.001022
8 beta-BHC	5.123	5.123	0.000	27997	0.00100	0.001068
11 delta-BHC	5.311	5.311	0.000	56650	0.00100	0.001011
12 Heptachlor	5.424	5.423	0.001	51697	0.00100	0.001021
17 Aldrin	5.693	5.694	-0.001	47791	0.00100	0.001004
20 Heptachlor epoxide	6.046	6.046	0.000	46668	0.00100	0.001069
24 gamma-Chlordane	6.260	6.260	0.000	43026	0.00100	0.001013
25 alpha-Chlordane	6.329	6.328	0.001	43818	0.00100	0.001054
26 Endosulfan I	6.366	6.365	0.001	38007	0.00100	0.0009996
27 4,4'-DDE	6.487	6.487	0.000	39212	0.00100	0.0009702
28 Dieldrin	6.601	6.601	0.000	41400	0.00100	0.0009973
30 Endrin	6.797	6.795	0.002	34655	0.00100	0.0009978
31 4,4'-DDD	6.938	6.936	0.002	35013	0.00100	0.001008
32 Endosulfan II	6.992	6.991	0.001	32729	0.00100	0.0009968
33 Endrin aldehyde	7.106	7.105	0.001	25810	0.00100	0.0009780
34 4,4'-DDT	7.215	7.214	0.001	29575	0.00100	0.0009775
35 Endosulfan sulfate	7.317	7.316	0.001	29861	0.00100	0.001022
36 Methoxychlor	7.656	7.656	0.000	14194	0.00100	0.001028
37 Endrin ketone	7.741	7.742	-0.001	34257	0.00100	0.001026

Data File: \\pitsvr06\d\chem\gc15.i\0820128081A.b\Q08120001187.D
Report Date: 21-Aug-2012 03:58

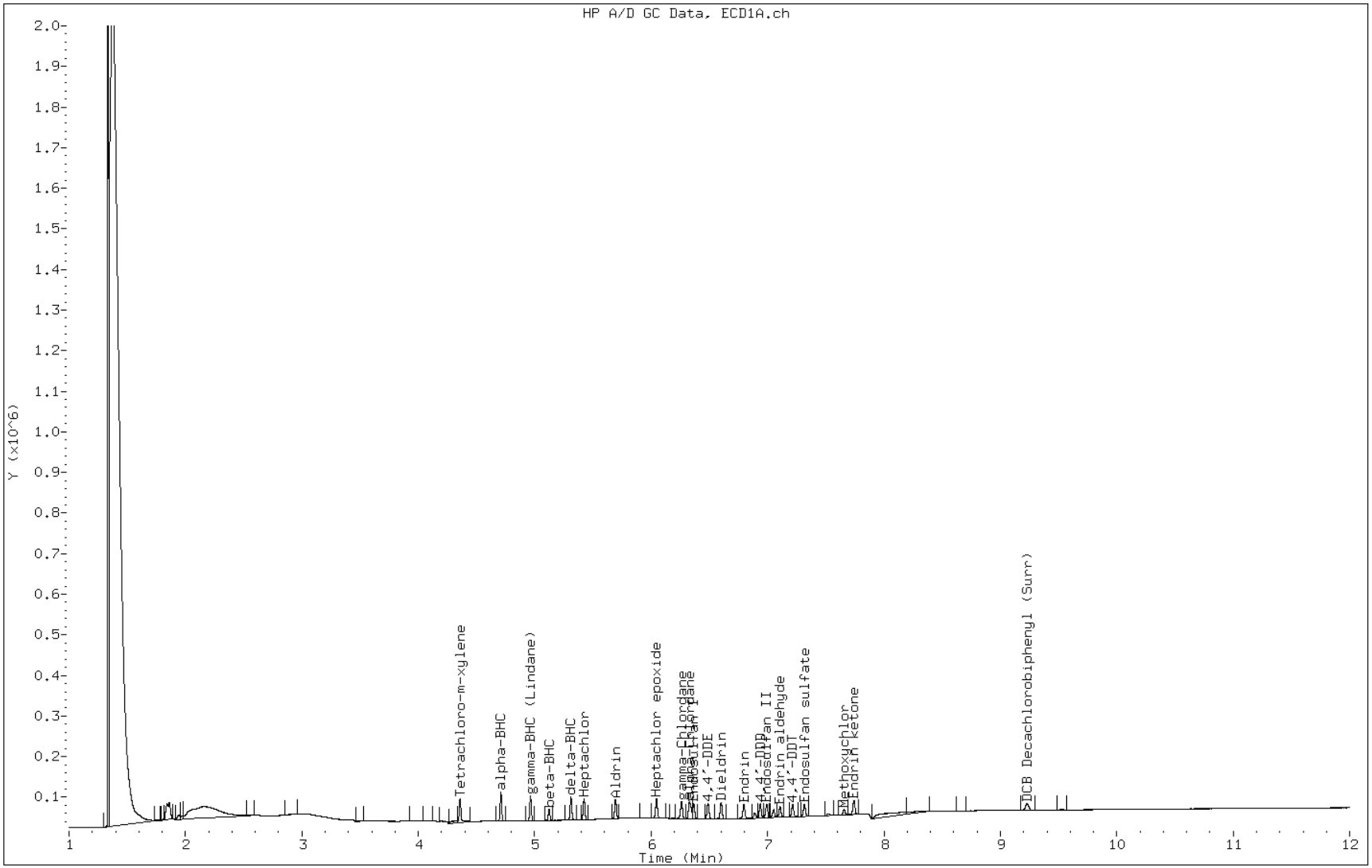
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 39 DCB Decachlorobiphenyl (Surr)	9.231	9.230	0.001	16118	0.00100	0.001142

Data File: Q08120001187.D

Date: 20-AUG-2012 15:38

Client ID: Instrument: gc15.i

Sample Info: IC 343055,082012.b Operator: 01797



Data File: \\pitsvr06\d\chem\gc15.i\0820128081A.b\Q08120001188.D
Report Date: 21-Aug-2012 03:58

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc15.i\0820128081A.b\Q08120001188.D
Lab Smp Id: IC 343057
Inj Date : 20-AUG-2012 15:53
Operator : 01797 Inst ID: gc15.i
Smp Info : IC 343057,082012.b
Misc Info :
Comment : 8081 analysis
Method : \\pitsvr06\d\chem\gc15.i\0820128081A.b\TPESTA1.m
Meth Date : 21-Aug-2012 03:58 eppinged Quant Type: ESTD
Cal Date : 20-AUG-2012 15:53 Cal File: Q08120001188.D
Als bottle: 17 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PESTCAL.sub
Target Version: 4.14
Processing Host: PITPC-509

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 4 Tetrachloro-m-xylene	4.359	4.360	-0.001	334167	0.00500	0.005905
6 alpha-BHC	4.709	4.709	0.000	451154	0.00500	0.005867
7 gamma-BHC (Lindane)	4.963	4.964	-0.001	390297	0.00500	0.005845
8 beta-BHC	5.122	5.123	-0.001	156833	0.00500	0.005613
11 delta-BHC	5.310	5.311	-0.001	342144	0.00500	0.005688
12 Heptachlor	5.423	5.423	0.000	322237	0.00500	0.005832
17 Aldrin	5.694	5.694	0.000	303819	0.00500	0.005843
20 Heptachlor epoxide	6.045	6.046	-0.001	271354	0.00500	0.005749
24 gamma-Chlordane	6.260	6.260	0.000	263200	0.00500	0.005740
25 alpha-Chlordane	6.327	6.328	-0.001	253472	0.00500	0.005682
26 Endosulfan I	6.365	6.365	0.000	231256	0.00500	0.005673
27 4,4'-DDE	6.487	6.487	0.000	252392	0.00500	0.005766
28 Dieldrin	6.600	6.601	-0.001	260185	0.00500	0.005779
30 Endrin	6.796	6.795	0.001	215381	0.00500	0.005742
31 4,4'-DDD	6.936	6.936	0.000	201369	0.00500	0.005505
32 Endosulfan II	6.991	6.991	0.000	204105	0.00500	0.005750
33 Endrin aldehyde	7.106	7.105	0.001	159838	0.00500	0.005658
34 4,4'-DDT	7.215	7.214	0.001	181159	0.00500	0.005618
35 Endosulfan sulfate	7.316	7.316	0.000	181988	0.00500	0.005756
36 Methoxychlor	7.657	7.656	0.001	87285	0.00500	0.005810
37 Endrin ketone	7.740	7.742	-0.002	206930	0.00500	0.005738

Data File: \\pitsvr06\d\chem\gc15.i\0820128081A.b\Q08120001188.D
Report Date: 21-Aug-2012 03:58

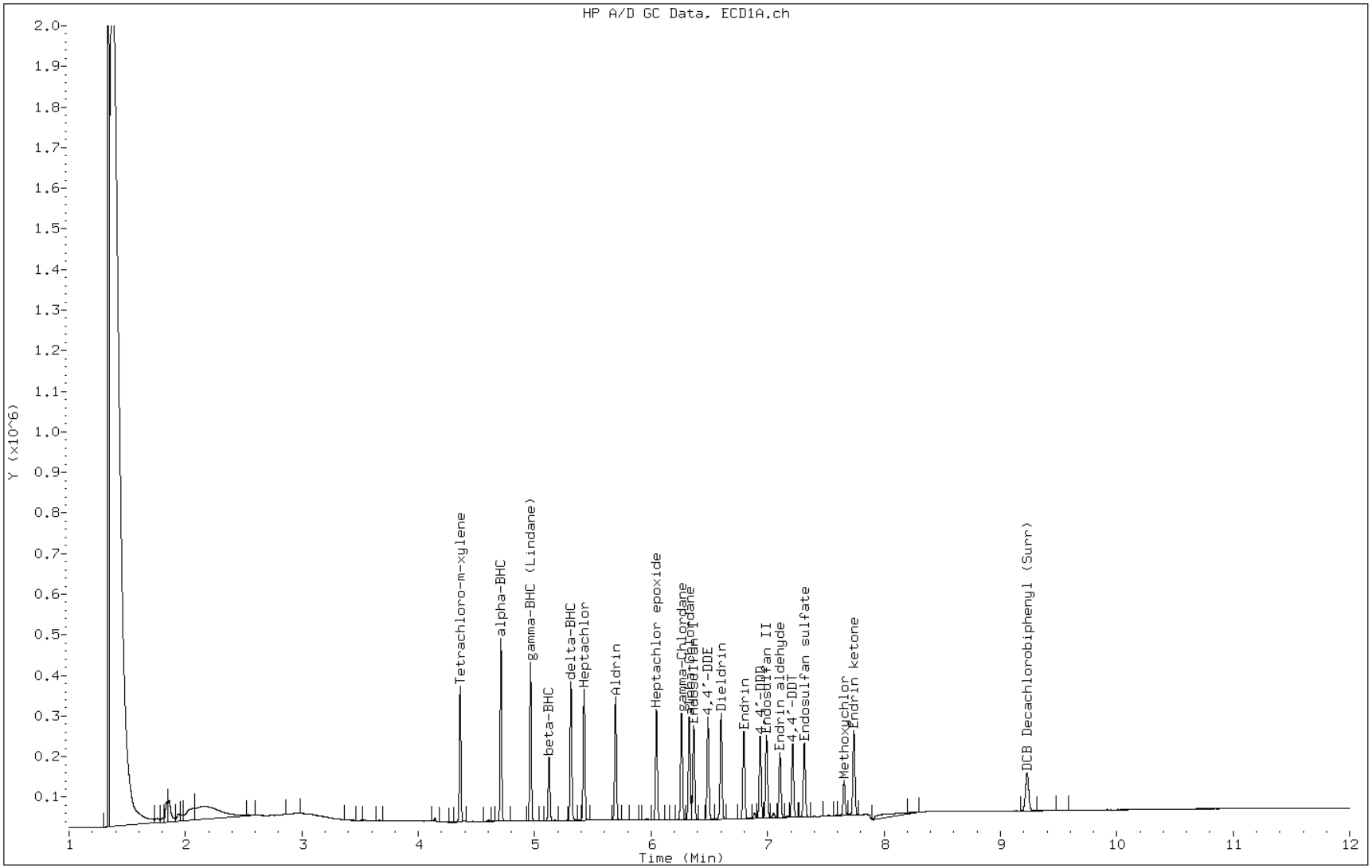
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 39 DCB Decachlorobiphenyl (Surr)	9.228	9.230	-0.002	92715	0.00500	0.005946

Data File: Q08120001188.D

Date: 20-AUG-2012 15:53

Client ID: Instrument: gc15.i

Sample Info: IC 343057,082012.b Operator: 01797



Data File: \\pitsvr06\d\chem\gc15.i\0820128081A.b\Q08120001189.D
Report Date: 21-Aug-2012 03:54

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc15.i\0820128081A.b\Q08120001189.D
Lab Smp Id: ICRT 343058
Inj Date : 20-AUG-2012 16:09
Operator : 01797 Inst ID: gc15.i
Smp Info : ICRT 343058,082012.b
Misc Info :
Comment : 8081 analysis
Method : \\pitsvr06\d\chem\gc15.i\0820128081A.b\TPESTA1.m
Meth Date : 21-Aug-2012 03:54 eppinged Quant Type: ESTD
Cal Date : 20-AUG-2012 16:09 Cal File: Q08120001189.D
Als bottle: 18 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PESTCAL.sub
Target Version: 4.14
Processing Host: PITPC-509

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 4 Tetrachloro-m-xylene	4.359	4.359	0.000	1290903	0.02500	0.02500
6 alpha-BHC	4.709	4.709	0.000	1723885	0.02500	0.02500
7 gamma-BHC (Lindane)	4.964	4.964	0.000	1495115	0.02500	0.02500
8 beta-BHC	5.123	5.123	0.000	611310	0.02500	0.02500
11 delta-BHC	5.311	5.311	0.000	1384127	0.02500	0.02500
12 Heptachlor	5.423	5.423	0.000	1239962	0.02500	0.02500
17 Aldrin	5.694	5.694	0.000	1185892	0.02500	0.02500
20 Heptachlor epoxide	6.046	6.046	0.000	1016508	0.02500	0.02500
24 gamma-Chlordane	6.260	6.260	0.000	1047300	0.02500	0.02500
25 alpha-Chlordane	6.328	6.328	0.000	983062	0.02500	0.02500
26 Endosulfan I	6.365	6.365	0.000	951022	0.02500	0.02500
27 4,4'-DDE	6.487	6.487	0.000	1040411	0.02500	0.02500
28 Dieldrin	6.601	6.601	0.000	1040668	0.02500	0.02500
30 Endrin	6.795	6.795	0.000	870188	0.02500	0.02500
31 4,4'-DDD	6.936	6.936	0.000	861094	0.02500	0.02500
32 Endosulfan II	6.991	6.991	0.000	823473	0.02500	0.02500
33 Endrin aldehyde	7.105	7.105	0.000	674207	0.02500	0.02500
34 4,4'-DDT	7.214	7.214	0.000	773373	0.02500	0.02500
35 Endosulfan sulfate	7.316	7.316	0.000	714586	0.02500	0.02500
36 Methoxychlor	7.656	7.656	0.000	335555	0.02500	0.02500
37 Endrin ketone	7.742	7.742	0.000	813625	0.02500	0.02500

Data File: \\pitsvr06\d\chem\gc15.i\0820128081A.b\Q08120001189.D
Report Date: 21-Aug-2012 03:54

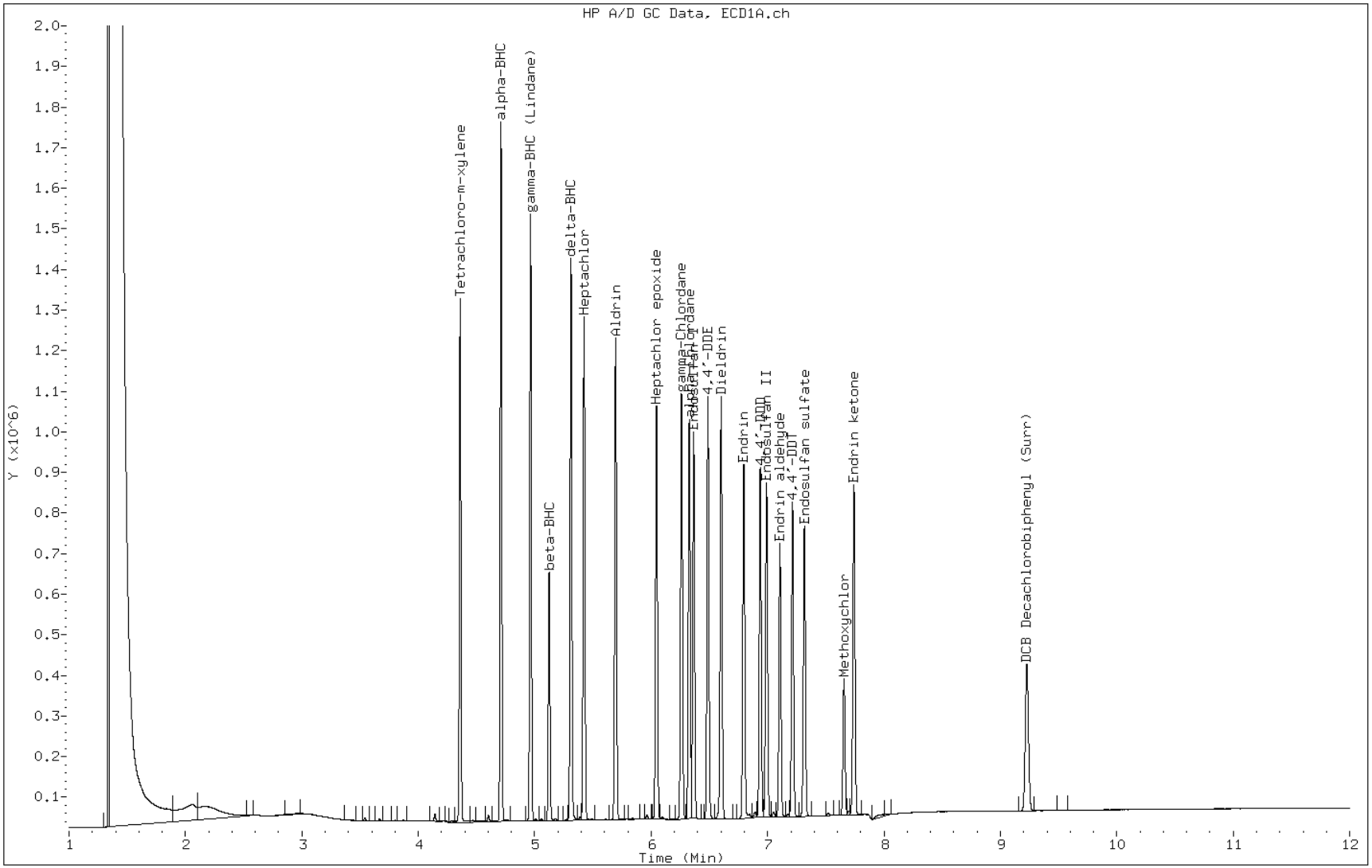
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 39 DCB Decachlorobiphenyl (Surr)	9.226	9.226	0.000	361400	0.02500	0.02500

Data File: Q08120001189.D

Date: 20-AUG-2012 16:09

Client ID: Instrument: gc15.i

Sample Info: ICRT 343058,082012.b Operator: 01797



Data File: \\pitsvr06\d\chem\gc15.i\0820128081A.b\Q08120001190.D
Report Date: 21-Aug-2012 03:58

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc15.i\0820128081A.b\Q08120001190.D
Lab Smp Id: IC 343059
Inj Date : 20-AUG-2012 16:24
Operator : 01797 Inst ID: gc15.i
Smp Info : IC 343059,082012.b
Misc Info :
Comment : 8081 analysis
Method : \\pitsvr06\d\chem\gc15.i\0820128081A.b\TPESTA1.m
Meth Date : 21-Aug-2012 03:58 eppinged Quant Type: ESTD
Cal Date : 20-AUG-2012 16:24 Cal File: Q08120001190.D
Als bottle: 19 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PESTCAL.sub
Target Version: 4.14
Processing Host: PITPC-509

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 4 Tetrachloro-m-xylene	4.359	4.360	-0.001	2568220	0.05000	0.04646
6 alpha-BHC	4.709	4.709	0.000	3592763	0.05000	0.04750
7 gamma-BHC (Lindane)	4.964	4.964	0.000	3180600	0.05000	0.04820
8 beta-BHC	5.123	5.123	0.000	1259503	0.05000	0.04622
11 delta-BHC	5.310	5.311	-0.001	2863316	0.05000	0.04818
12 Heptachlor	5.424	5.423	0.001	2472468	0.05000	0.04596
17 Aldrin	5.694	5.694	0.000	2366039	0.05000	0.04655
20 Heptachlor epoxide	6.046	6.046	0.000	2046418	0.05000	0.04485
24 gamma-Chlordane	6.262	6.260	0.002	2175018	0.05000	0.04805
25 alpha-Chlordane	6.327	6.328	-0.001	2007225	0.05000	0.04615
26 Endosulfan I	6.365	6.365	0.000	1827218	0.05000	0.04601
27 4,4'-DDE	6.487	6.487	0.000	2073523	0.05000	0.04800
28 Dieldrin	6.601	6.601	0.000	2017324	0.05000	0.04600
30 Endrin	6.796	6.795	0.001	1757939	0.05000	0.04761
31 4,4'-DDD	6.937	6.936	0.001	1699861	0.05000	0.04731
32 Endosulfan II	6.991	6.991	0.000	1707620	0.05000	0.04857
33 Endrin aldehyde	7.106	7.105	0.001	1311241	0.05000	0.04726
34 4,4'-DDT	7.214	7.214	0.000	1578656	0.05000	0.04921
35 Endosulfan sulfate	7.316	7.316	0.000	1430429	0.05000	0.04635
36 Methoxychlor	7.657	7.656	0.001	713609	0.05000	0.04810
37 Endrin ketone	7.742	7.742	0.000	1682987	0.05000	0.04746

Data File: \\pitsvr06\d\chem\gc15.i\0820128081A.b\Q08120001190.D
Report Date: 21-Aug-2012 03:58

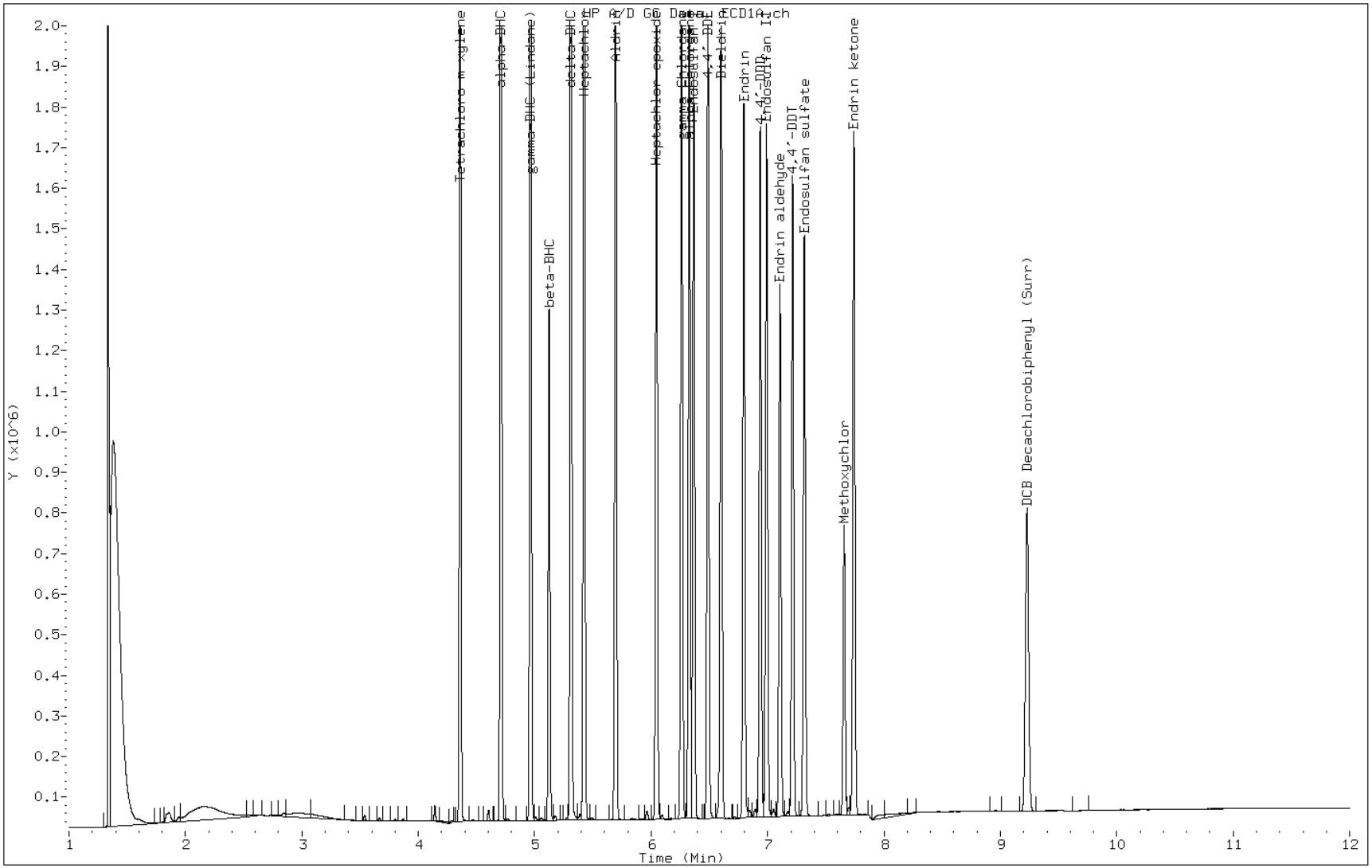
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 39 DCB Decachlorobiphenyl (Surr)	9.229	9.230	-0.001	746368	0.05000	0.04838

Data File: Q08120001190.D

Date: 20-AUG-2012 16:24

Client ID: Instrument: gc15.i

Sample Info: IC 343059,082012.b Operator: 01797



Data File: \\pitsvr06\d\chem\gc15.i\0820128081A.b\Q08120001191.D
Report Date: 21-Aug-2012 03:58

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc15.i\0820128081A.b\Q08120001191.D
Lab Smp Id: IC 343060
Inj Date : 20-AUG-2012 16:40
Operator : 01797 Inst ID: gc15.i
Smp Info : IC 343060,082012.b
Misc Info :
Comment : 8081 analysis
Method : \\pitsvr06\d\chem\gc15.i\0820128081A.b\TPESTA1.m
Meth Date : 21-Aug-2012 03:58 eppinged Quant Type: ESTD
Cal Date : 20-AUG-2012 16:40 Cal File: Q08120001191.D
Als bottle: 20 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PESTCAL.sub
Target Version: 4.14
Processing Host: PITPC-509

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 4 Tetrachloro-m-xylene	4.359	4.360	-0.001	4964730	0.10000	0.09168
6 alpha-BHC	4.710	4.709	0.001	7237658	0.10000	0.09652
7 gamma-BHC (Lindane)	4.964	4.964	0.000	6176137	0.10000	0.09481
8 beta-BHC	5.123	5.123	0.000	2515549	0.10000	0.09375
11 delta-BHC	5.311	5.311	0.000	5651545	0.10000	0.09604
12 Heptachlor	5.424	5.423	0.001	4716078	0.10000	0.08988
17 Aldrin	5.695	5.694	0.001	4437255	0.10000	0.08957
20 Heptachlor epoxide	6.046	6.046	0.000	3786789	0.10000	0.08591
24 gamma-Chlordane	6.261	6.260	0.001	4121874	0.10000	0.09272
25 alpha-Chlordane	6.327	6.328	-0.001	3833550	0.10000	0.09028
26 Endosulfan I	6.365	6.365	0.000	3455869	0.10000	0.08934
27 4,4'-DDE	6.487	6.487	0.000	3899164	0.10000	0.09206
28 Dieldrin	6.601	6.601	0.000	3829987	0.10000	0.08961
30 Endrin	6.796	6.795	0.001	3251744	0.10000	0.09022
31 4,4'-DDD	6.937	6.936	0.001	3271562	0.10000	0.09271
32 Endosulfan II	6.991	6.991	0.000	3156182	0.10000	0.09164
33 Endrin aldehyde	7.106	7.105	0.001	2393939	0.10000	0.08872
34 4,4'-DDT	7.214	7.214	0.000	3146806	0.10000	0.09847
35 Endosulfan sulfate	7.316	7.316	0.000	2698530	0.10000	0.08969
36 Methoxychlor	7.657	7.656	0.001	1343795	0.10000	0.09231
37 Endrin ketone	7.742	7.742	0.000	3242135	0.10000	0.09302

Data File: \\pitsvr06\d\chem\gc15.i\0820128081A.b\Q08120001191.D
Report Date: 21-Aug-2012 03:58

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 39 DCB Decachlorobiphenyl (Surr)	9.229	9.230	-0.001	1418819	0.10000	0.09347

Data File: Q08120001191.D

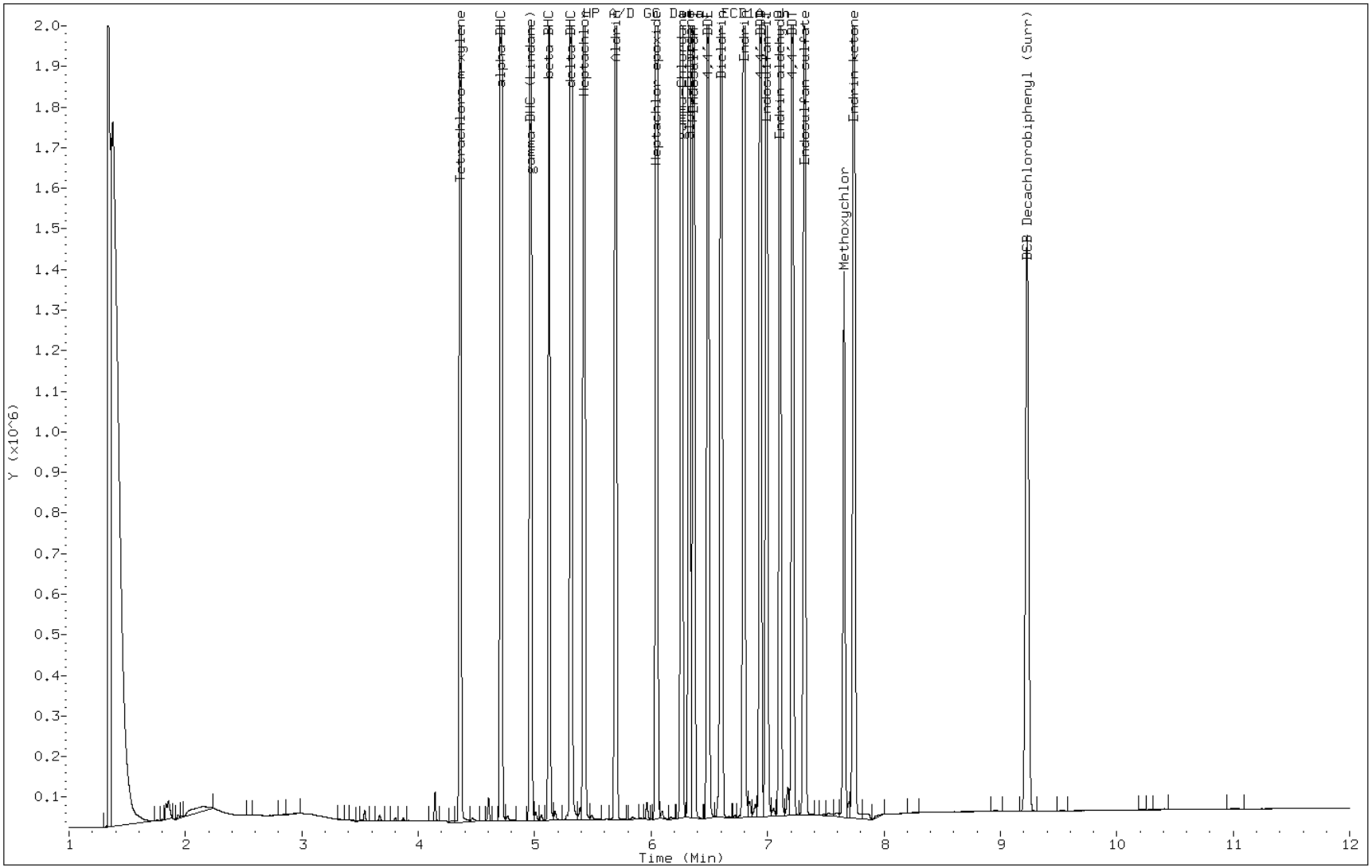
Date: 20-AUG-2012 16:40

Client ID:

Instrument: gc15.i

Sample Info: IC 343060,082012.b

Operator: 01797



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Report Date: 21-Aug-2012 03:58

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc15.i\0820128081A.b\Q08120001192.D
Lab Smp Id: IC 343061
Inj Date : 20-AUG-2012 16:55
Operator : 01797 Inst ID: gc15.i
Smp Info : IC 343061,082012.b
Misc Info :
Comment : 8081 analysis
Method : \\pitsvr06\d\chem\gc15.i\0820128081A.b\TPESTA1.m
Meth Date : 21-Aug-2012 03:58 eppinged Quant Type: ESTD
Cal Date : 20-AUG-2012 16:55 Cal File: Q08120001192.D
Als bottle: 21 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PESTCAL.sub
Target Version: 4.14
Processing Host: PITPC-509

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 4 Tetrachloro-m-xylene	4.360	4.360	0.000	9567040	0.20000	0.1802
6 alpha-BHC	4.711	4.709	0.002	14532038	0.20000	0.1948
7 gamma-BHC (Lindane)	4.965	4.964	0.001	12340402	0.20000	0.1911
8 beta-BHC	5.123	5.123	0.000	4843428	0.20000	0.1835
11 delta-BHC	5.311	5.311	0.000	11212294	0.20000	0.1920
12 Heptachlor	5.424	5.423	0.001	8833753	0.20000	0.1729
17 Aldrin	5.696	5.694	0.002	8360844	0.20000	0.1733
20 Heptachlor epoxide	6.046	6.046	0.000	7358736	0.20000	0.1717
24 gamma-Chlordane	6.261	6.260	0.001	8280634	0.20000	0.1884
25 alpha-Chlordane	6.328	6.328	0.000	7627736	0.20000	0.1827
26 Endosulfan I	6.366	6.365	0.001	6698984	0.20000	0.1771
27 4,4'-DDE	6.489	6.487	0.002	7639021	0.20000	0.1834
28 Dieldrin	6.602	6.601	0.001	7394544	0.20000	0.1770
30 Endrin	6.797	6.795	0.002	6142939	0.20000	0.1747
31 4,4'-DDD	6.936	6.936	0.000	6290875	0.20000	0.1816
32 Endosulfan II	6.991	6.991	0.000	6256900	0.20000	0.1845
33 Endrin aldehyde	7.106	7.105	0.001	5035228	0.20000	0.1887
34 4,4'-DDT	7.215	7.214	0.001	6253423	0.20000	0.1964
35 Endosulfan sulfate	7.316	7.316	0.000	5472824	0.20000	0.1847
36 Methoxychlor	7.657	7.656	0.001	2644402	0.20000	0.1845
37 Endrin ketone	7.742	7.742	0.000	6325806	0.20000	0.1843

Data File: \\pitsvr06\d\chem\gc15.i\0820128081A.b\Q08120001192.D
Report Date: 21-Aug-2012 03:58

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 39 DCB Decachlorobiphenyl (Surr)	9.229	9.230	-0.001	2875824	0.20000	0.1911

Data File: Q08120001192.D

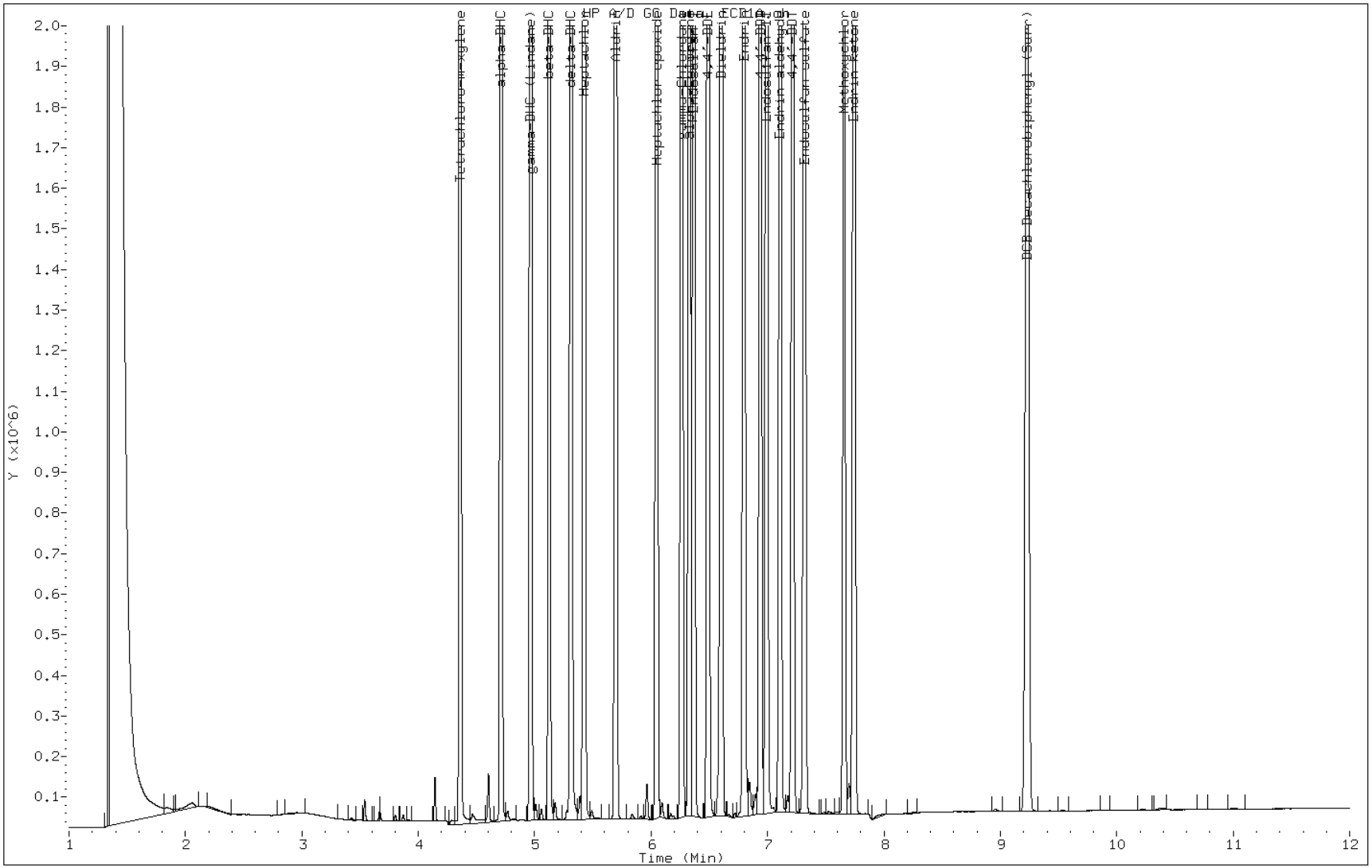
Date: 20-AUG-2012 16:55

Client ID:

Instrument: gc15.i

Sample Info: IC 343061,082012.b

Operator: 01797



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 45885

SDG No.:

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/20/2012 15:38 Calibration End Date: 08/20/2012 16:55 Calibration ID: 6386

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-45885/16	R08120001187.D
Level 2	IC 180-45885/17	R08120001188.D
Level 3	ICRT 180-45885/18	R08120001189.D
Level 4	IC 180-45885/19	R08120001190.D
Level 5	IC 180-45885/20	R08120001191.D
Level 6	IC 180-45885/21	R08120001192.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
alpha-BHC	5.586	5.585	5.586	5.586	5.586	5.586					5.536 - 5.636	5.586
gamma-BHC (Lindane)	5.875	5.874	5.875	5.874	5.874	5.875					5.825 - 5.925	5.875
beta-BHC	6.099	6.098	6.099	6.098	6.098	6.098					6.049 - 6.149	6.098
Heptachlor	6.186	6.185	6.186	6.185	6.185	6.186					6.136 - 6.236	6.186
delta-BHC	6.324	6.324	6.324	6.323	6.323	6.324					6.274 - 6.374	6.324
Aldrin	6.446	6.445	6.446	6.445	6.445	6.446					6.396 - 6.496	6.445
Heptachlor epoxide	6.876	6.876	6.877	6.876	6.877	6.878					6.827 - 6.927	6.877
gamma-Chlordane	7.095	7.094	7.095	7.095	7.094	7.096					7.045 - 7.145	7.095
alpha-Chlordane	7.154	7.153	7.154	7.153	7.153	7.155					7.104 - 7.204	7.154
Endosulfan I	7.222	7.222	7.222	7.222	7.222	7.222					7.172 - 7.272	7.222
4,4'-DDE	7.283	7.282	7.283	7.282	7.282	7.283					7.233 - 7.333	7.283
Dieldrin	7.460	7.459	7.460	7.459	7.459	7.460					7.410 - 7.510	7.460
Endrin	7.719	7.719	7.719	7.720	7.720	7.721					7.669 - 7.769	7.720
4,4'-DDD	7.786	7.786	7.786	7.786	7.786	7.786					7.736 - 7.836	7.786
Endosulfan II	7.974	7.974	7.974	7.974	7.974	7.975					7.924 - 8.024	7.974
4,4'-DDT	8.026	8.025	8.025	8.025	8.024	8.026					7.975 - 8.075	8.025
Endrin aldehyde	8.142	8.141	8.141	8.141	8.141	8.142					8.091 - 8.191	8.141
Endosulfan sulfate	8.361	8.363	8.363	8.363	8.362	8.363					8.313 - 8.413	8.362
Methoxychlor	8.597	8.596	8.596	8.597	8.596	8.597					8.546 - 8.646	8.597
Endrin ketone	8.983	8.982	8.983	8.983	8.982	8.982					8.933 - 9.033	8.982
Tetrachloro-m-xylene	5.141	5.139	5.141	5.140	5.141	5.140					5.092 - 5.192	5.140
DCB Decachlorobiphenyl (Surr)	10.665	10.666	10.665	10.666	10.666	10.665					10.615 - 10.715	10.666

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 45885

SDG No.:

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/20/2012 15:38 Calibration End Date: 08/20/2012 16:55 Calibration ID: 6386

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-45885/16	R08120001187.D
Level 2	IC 180-45885/17	R08120001188.D
Level 3	ICRT 180-45885/18	R08120001189.D
Level 4	IC 180-45885/19	R08120001190.D
Level 5	IC 180-45885/20	R08120001191.D
Level 6	IC 180-45885/21	R08120001192.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
alpha-BHC	26191000 29024110	34462800 29004575	27808120	29151260	Ave		29273644.2				9.5		20.0			
gamma-BHC (Lindane)	23522000 24053730	29152800 23532415	23773920	24568660	Ave		24767254.2				8.8		20.0			
beta-BHC	11605000 9862710	12930600 9419145	9701600	9985500	Ave		10584092.5				13.1		20.0			
Heptachlor	19251000 16924620	21876600 16316410	17148280	17338560	Ave		18142578.3				11.5		20.0			
delta-BHC	20569000 20862130	25147000 20654085	20327000	21159420	Ave		21453105.8				8.5		20.0			
Aldrin	17557000 15976880	20758200 15572880	16627280	16686780	Ave		17196503.3				10.9		20.0			
Heptachlor epoxide	14692000 12962530	16767000 12570620	13139160	13192660	Ave		13887328.3				11.4		20.0			
gamma-Chlordane	12538000 12124100	14860200 12080535	12085640	12450240	Ave		12689785.8				8.5		20.0			
alpha-Chlordane	11759000 11388030	14169200 11357115	11360280	11610500	Ave		11940687.5				9.2		20.0			
Endosulfan I	10603000 10246410	12729600 10176620	10506080	10760580	Ave		10837048.3				8.8		20.0			
4,4'-DDE	11562000 11339230	13861600 11846065	12087480	12478520	Ave		12195815.8				7.4		20.0			
Dieldrin	10907000 11595210	13756200 11670170	11702320	12028040	Ave		11943156.7				8.0		20.0			
Endrin	9444000 9722830	11282000 9734925	9721480	9901840	Ave		9967845.83				6.6		20.0			
4,4'-DDD	10890000 11107360	12765800 11580710	11348320	11471820	Ave		11527335.0				5.7		20.0			
Endosulfan II	11064000 11244340	13417800 11587865	11495960	11755920	Ave		11760980.8				7.2		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 45885

SDG No.:

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/20/2012 15:38 Calibration End Date: 08/20/2012 16:55 Calibration ID: 6386

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
4,4'-DDT	8692000 10232700	11101200 10477820	9677880	10417400	Ave		10099833.3				8.2		20.0			
Endrin aldehyde	8958000 8811850	10499400 9012735	8887080	9211560	Ave		9230104.17				6.9		20.0			
Endosulfan sulfate	10375000 10073480	11923800 10171345	10102040	10358600	Ave		10500710.8				6.7		20.0			
Methoxychlor	4984000 4741500	5834400 4758345	4649080	4908660	Ave		4979330.83				8.8		20.0			
Endrin ketone	10774000 11210410	13509600 11056525	10867720	11334740	Ave		11458832.5				9.0		20.0			
Tetrachloro-m-xylene	22103000 20776300	26787600 20532640	21599160	21619900	Ave		22236433.3				10.4		20.0			
DCB Decachlorobiphenyl (Surr)	7149000 6409080	8243200 6326620	6335520	6548380	Ave		6835300.00				11.1		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 45885

SDG No.:

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/20/2012 15:38 Calibration End Date: 08/20/2012 16:55 Calibration ID: 6386

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-45885/16	R08120001187.D
Level 2	IC 180-45885/17	R08120001188.D
Level 3	ICRT 180-45885/18	R08120001189.D
Level 4	IC 180-45885/19	R08120001190.D
Level 5	IC 180-45885/20	R08120001191.D
Level 6	IC 180-45885/21	R08120001192.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	Ave	26191 5800915	172314	695203	1457563	2902411	0.00100 0.200	0.00500	0.0250	0.0500	0.100
gamma-BHC (Lindane)	Ave	23522 4706483	145764	594348	1228433	2405373	0.00100 0.200	0.00500	0.0250	0.0500	0.100
beta-BHC	Ave	11605 1883829	64653	242540	499275	986271	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Heptachlor	Ave	19251 3263282	109383	428707	866928	1692462	0.00100 0.200	0.00500	0.0250	0.0500	0.100
delta-BHC	Ave	20569 4130817	125735	508175	1057971	2086213	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Aldrin	Ave	17557 3114576	103791	415682	834339	1597688	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Heptachlor epoxide	Ave	14692 2514124	83835	328479	659633	1296253	0.00100 0.200	0.00500	0.0250	0.0500	0.100
gamma-Chlordane	Ave	12538 2416107	74301	302141	622512	1212410	0.00100 0.200	0.00500	0.0250	0.0500	0.100
alpha-Chlordane	Ave	11759 2271423	70846	284007	580525	1138803	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endosulfan I	Ave	10603 2035324	63648	262652	538029	1024641	0.00100 0.200	0.00500	0.0250	0.0500	0.100
4,4'-DDE	Ave	11562 2369213	69308	302187	623926	1133923	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Dieldrin	Ave	10907 2334034	68781	292558	601402	1159521	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endrin	Ave	9444 1946985	56410	243037	495092	972283	0.00100 0.200	0.00500	0.0250	0.0500	0.100
4,4'-DDD	Ave	10890 2316142	63829	283708	573591	1110736	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endosulfan II	Ave	11064 2317573	67089	287399	587796	1124434	0.00100 0.200	0.00500	0.0250	0.0500	0.100
4,4'-DDT	Ave	8692 2095564	55506	241947	520870	1023270	0.00100 0.200	0.00500	0.0250	0.0500	0.100

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 45885

SDG No.:

Instrument ID: GC15 GC Column: MR-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/20/2012 15:38 Calibration End Date: 08/20/2012 16:55 Calibration ID: 6386

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Endrin aldehyde	Ave	8958 1802547	52497	222177	460578	881185	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endosulfan sulfate	Ave	10375 2034269	59619	252551	517930	1007348	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Methoxychlor	Ave	4984 951669	29172	116227	245433	474150	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Endrin ketone	Ave	10774 2211305	67548	271693	566737	1121041	0.00100 0.200	0.00500	0.0250	0.0500	0.100
Tetrachloro-m-xylene	Ave	22103 4106528	133938	539979	1080995	2077630	0.00100 0.200	0.00500	0.0250	0.0500	0.100
DCB Decachlorobiphenyl (Surr)	Ave	7149 1265324	41216	158388	327419	640908	0.00100 0.200	0.00500	0.0250	0.0500	0.100

Curve Type Legend:
Ave = Average by Height

Data File: \\pitsvr06\d\chem\gc15.i\0820128081A.b\R08120001187.D
Report Date: 21-Aug-2012 04:37

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc15.i\0820128081A.b\R08120001187.D
Lab Smp Id: IC 343055
Inj Date : 20-AUG-2012 15:38
Operator : 01797 Inst ID: gc15.i
Smp Info : IC 343055,082012.b
Misc Info :
Comment : 8081 Analysis
Method : \\pitsvr06\d\chem\gc15.i\0820128081A.b\TPESTB2.m
Meth Date : 21-Aug-2012 04:37 gc15.i Quant Type: ESTD
Cal Date : 20-AUG-2012 16:55 Cal File: R08120001192.D
Als bottle: 16 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PESTCAL.sub
Target Version: 4.14
Processing Host: PITPC-509

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 4 Tetrachloro-m-xylene	5.141	5.142	-0.001	22103	0.00100	0.001016(a)
6 alpha-BHC	5.586	5.586	0.000	26191	0.00100	0.0008947(a)
7 gamma-BHC (Lindane)	5.875	5.875	0.000	23522	0.00100	0.0009497(a)
10 beta-BHC	6.098	6.099	-0.001	11605	0.00100	0.001096(a)
11 Heptachlor	6.185	6.185	0.000	19251	0.00100	0.001061(a)
13 delta-BHC	6.324	6.323	0.001	20569	0.00100	0.0009588(a)
17 Aldrin	6.446	6.445	0.001	17557	0.00100	0.001021(a)
21 Heptachlor epoxide	6.876	6.876	0.000	14692	0.00100	0.001058(a)
24 gamma-Chlordane	7.094	7.094	0.000	12538	0.00100	0.0009880(a)
25 alpha-Chlordane	7.154	7.153	0.001	11759	0.00100	0.0009848(a)
26 Endosulfan I	7.221	7.221	0.000	10603	0.00100	0.0009784(a)
27 4,4'-DDE	7.283	7.282	0.001	11562	0.00100	0.0009480(a)
28 Dieldrin	7.459	7.459	0.000	10907	0.00100	0.0009132(a)
29 Endrin	7.719	7.719	0.000	9444	0.00100	0.0009474(a)
30 4,4'-DDD	7.786	7.785	0.001	10890	0.00100	0.0009447(a)
32 Endosulfan II	7.973	7.973	0.000	11064	0.00100	0.0009407(a)
33 4,4'-DDT	8.026	8.024	0.002	8692	0.00100	0.0008606(a)
34 Endrin aldehyde	8.141	8.140	0.001	8958	0.00100	0.0009705(a)
35 Endosulfan sulfate	8.361	8.362	-0.001	10375	0.00100	0.0009880(a)
36 Methoxychlor	8.597	8.595	0.002	4984	0.00100	0.001001(a)
38 Endrin ketone	8.983	8.982	0.001	10774	0.00100	0.0009402(a)

Data File: \\pitsvr06\d\chem\gc15.i\0820128081A.b\R08120001187.D
Report Date: 21-Aug-2012 04:37

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 39 DCB Decachlorobiphenyl (Surr)	10.665	10.665	0.000	7149	0.00100	0.001080(M)

QC Flag Legend

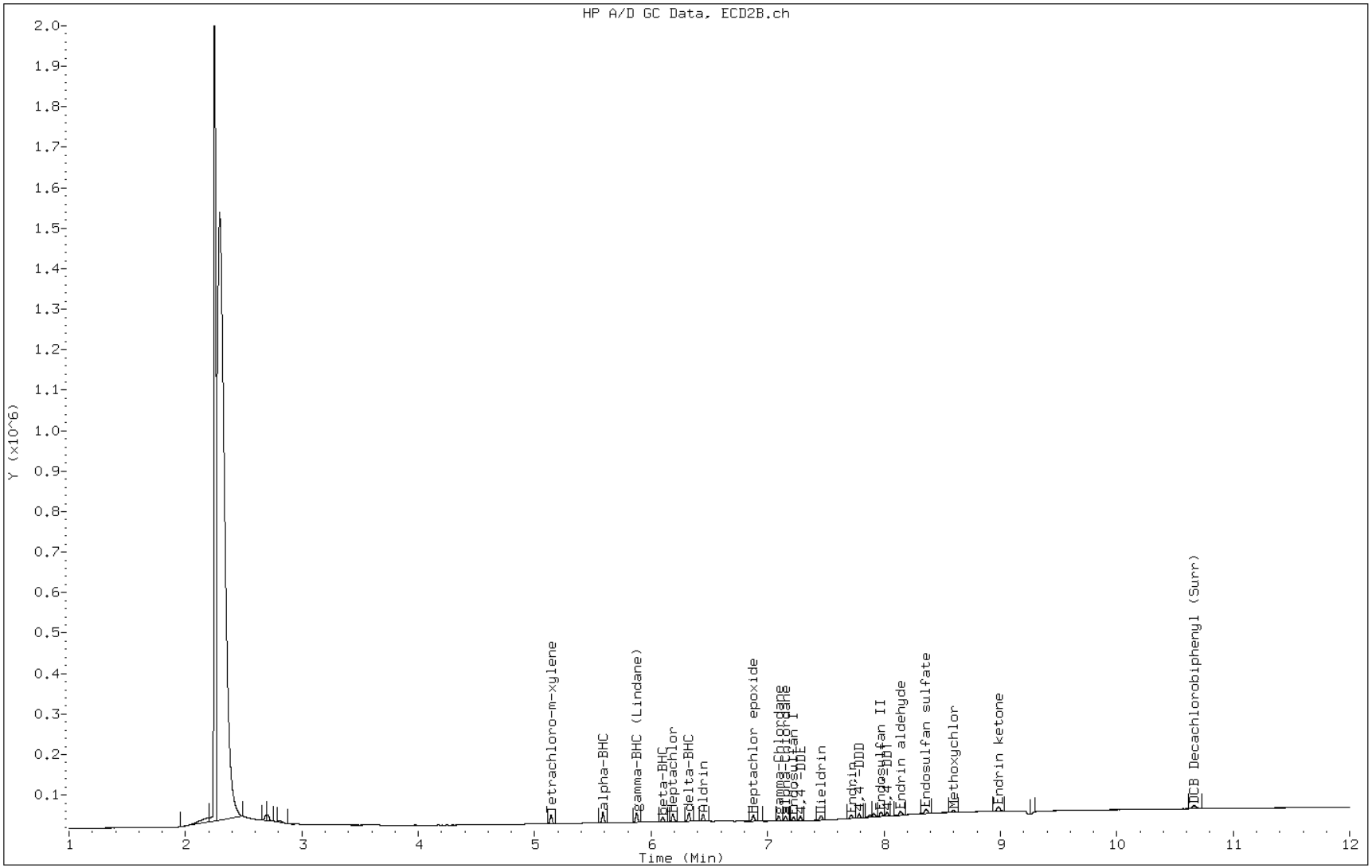
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: R08120001187.D

Date: 20-AUG-2012 15:38

Client ID: Instrument: gc15.i

Sample Info: IC 343055,082012.b Operator: 01797



Manual Integration Report

Data File: R08120001187.D
Inj. Date and Time: 20-AUG-2012 15:38
Instrument ID: gc15.i
Client ID:
Compound: 39 DCB Decachlorobiphenyl (Surr)
CAS #: 2051-24-3
Report Date: 08/22/2012

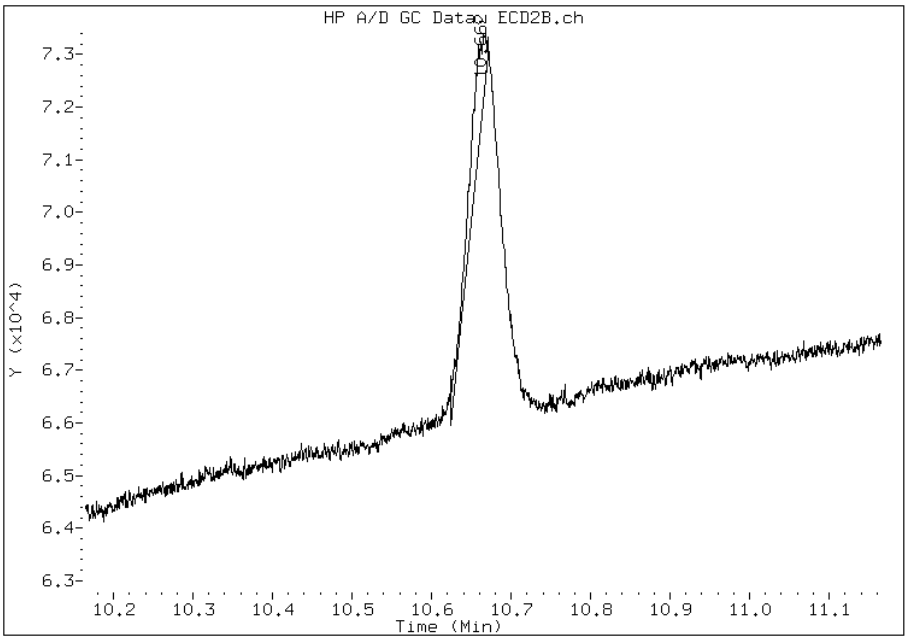
Processing Integration Results

RT: 10.66

Response: 1576

Amount: 0.00

Conc: 0.00



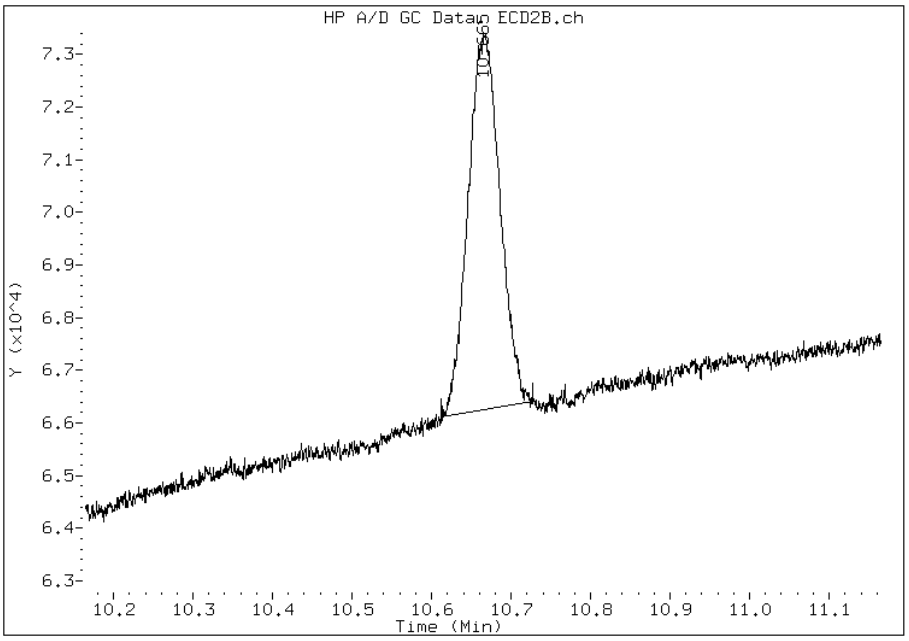
Manual Integration Results

RT: 10.67

Response: 7149

Amount: 0.00

Conc: 0.00



Manually Integrated By: eppinged
Modification Date: 21-Aug-2012 04:36
Manual Integration Reason: Baseline Event

Data File: \\pitsvr06\d\chem\gc15.i\0820128081A.b\R08120001188.D
Report Date: 21-Aug-2012 04:37

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc15.i\0820128081A.b\R08120001188.D
Lab Smp Id: IC 343057
Inj Date : 20-AUG-2012 15:53
Operator : 01797 Inst ID: gc15.i
Smp Info : IC 343057,082012.b
Misc Info :
Comment : 8081 Analysis
Method : \\pitsvr06\d\chem\gc15.i\0820128081A.b\TPESTB2.m
Meth Date : 21-Aug-2012 04:37 gc15.i Quant Type: ESTD
Cal Date : 20-AUG-2012 15:38 Cal File: R08120001187.D
Als bottle: 17 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PESTCAL.sub
Target Version: 4.14
Processing Host: PITPC-509

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 4 Tetrachloro-m-xylene	5.139	5.142	-0.003	133938	0.00500	0.006157(a)
6 alpha-BHC	5.584	5.586	-0.002	172314	0.00500	0.005886(a)
7 gamma-BHC (Lindane)	5.873	5.875	-0.002	145764	0.00500	0.005885(a)
10 beta-BHC	6.097	6.099	-0.002	64653	0.00500	0.006108(a)
11 Heptachlor	6.185	6.185	0.000	109383	0.00500	0.006029(a)
13 delta-BHC	6.323	6.323	0.000	125735	0.00500	0.005861(a)
17 Aldrin	6.444	6.445	-0.001	103791	0.00500	0.006036(a)
21 Heptachlor epoxide	6.876	6.876	0.000	83835	0.00500	0.006037(a)
24 gamma-Chlordane	7.094	7.094	0.000	74301	0.00500	0.005855(a)
25 alpha-Chlordane	7.152	7.153	-0.001	70846	0.00500	0.005933(a)
26 Endosulfan I	7.221	7.221	0.000	63648	0.00500	0.005873(a)
27 4,4'-DDE	7.282	7.282	0.000	69308	0.00500	0.005683(a)
28 Dieldrin	7.459	7.459	0.000	68781	0.00500	0.005759(a)
29 Endrin	7.719	7.719	0.000	56410	0.00500	0.005659(a)
30 4,4'-DDD	7.785	7.785	0.000	63829	0.00500	0.005537(a)
32 Endosulfan II	7.973	7.973	0.000	67089	0.00500	0.005704(a)
33 4,4'-DDT	8.024	8.024	0.000	55506	0.00500	0.005496(a)
34 Endrin aldehyde	8.141	8.140	0.001	52497	0.00500	0.005688(a)
35 Endosulfan sulfate	8.362	8.362	0.000	59619	0.00500	0.005678(a)
36 Methoxychlor	8.595	8.595	0.000	29172	0.00500	0.005859(a)
38 Endrin ketone	8.981	8.982	-0.001	67548	0.00500	0.005895(a)

Data File: \\pitsvr06\d\chem\gc15.i\0820128081A.b\R08120001188.D
Report Date: 21-Aug-2012 04:37

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 39 DCB Decachlorobiphenyl (Surr)	10.665	10.665	0.000	41216	0.00500	0.006229

QC Flag Legend

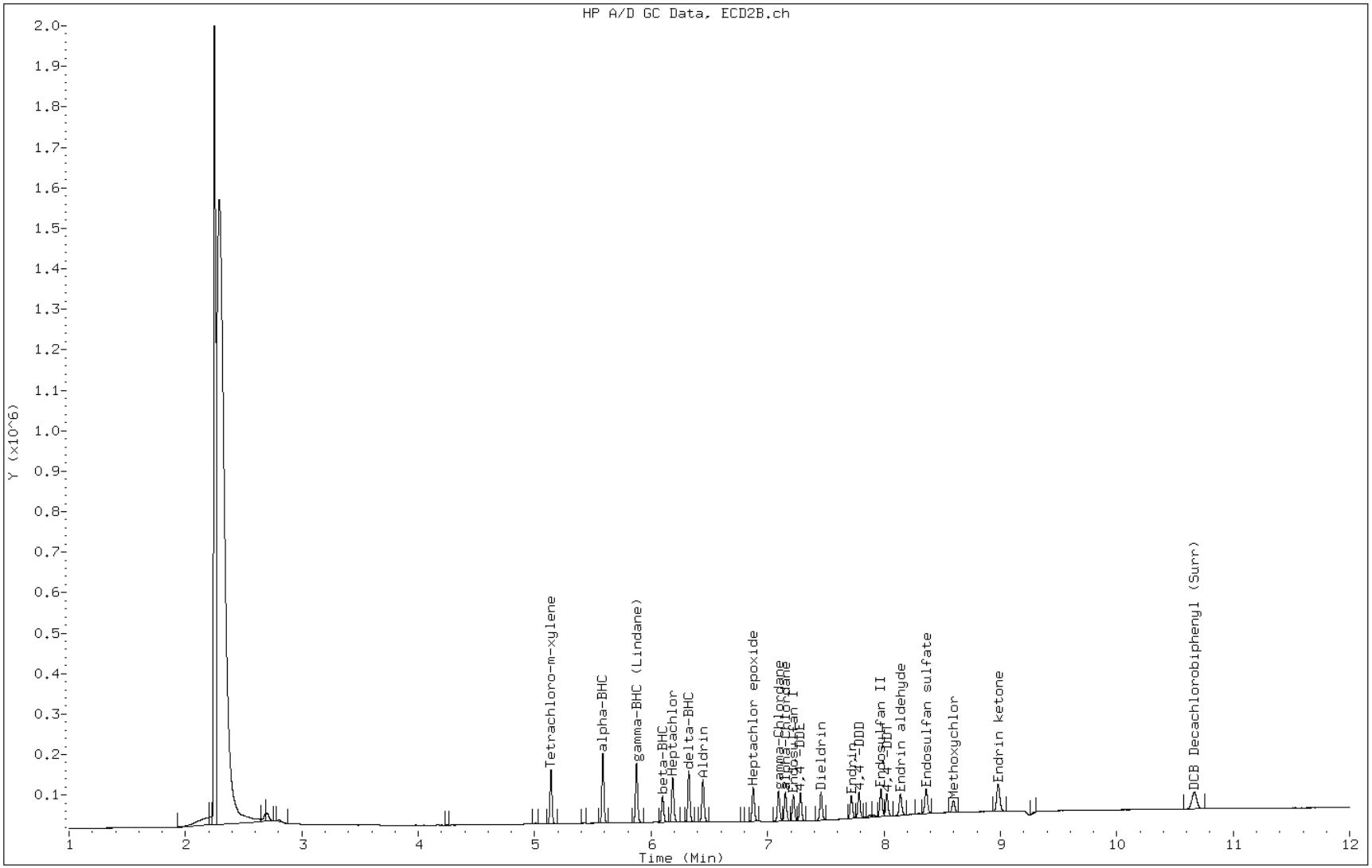
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: R08120001188.D

Date: 20-AUG-2012 15:53

Client ID: Instrument: gc15.i

Sample Info: IC 343057,082012.b Operator: 01797



Data File: \\pitsvr06\d\chem\gc15.i\0820128081A.b\R08120001189.D
Report Date: 21-Aug-2012 04:37

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc15.i\0820128081A.b\R08120001189.D
Lab Smp Id: ICRT 343058
Inj Date : 20-AUG-2012 16:09
Operator : 01797 Inst ID: gc15.i
Smp Info : ICRT 343058,082012.b
Misc Info :
Comment : 8081 Analysis
Method : \\pitsvr06\d\chem\gc15.i\0820128081A.b\TPESTB2.m
Meth Date : 21-Aug-2012 04:37 gc15.i Quant Type: ESTD
Cal Date : 20-AUG-2012 15:53 Cal File: R08120001188.D
Als bottle: 18 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PESTCAL.sub
Target Version: 4.14
Processing Host: PITPC-509

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 4 Tetrachloro-m-xylene	5.140	5.142	-0.002	539979	0.02500	0.02482(a)
6 alpha-BHC	5.586	5.586	0.000	695203	0.02500	0.02375(a)
7 gamma-BHC (Lindane)	5.875	5.875	0.000	594348	0.02500	0.02400(a)
10 beta-BHC	6.099	6.099	0.000	242540	0.02500	0.02292(a)
11 Heptachlor	6.185	6.185	0.000	428707	0.02500	0.02363(a)
13 delta-BHC	6.323	6.323	0.000	508175	0.02500	0.02369(a)
17 Aldrin	6.445	6.445	0.000	415682	0.02500	0.02417(a)
21 Heptachlor epoxide	6.876	6.876	0.000	328479	0.02500	0.02365(a)
24 gamma-Chlordane	7.094	7.094	0.000	302141	0.02500	0.02381(a)
25 alpha-Chlordane	7.153	7.153	0.000	284007	0.02500	0.02378(a)
26 Endosulfan I	7.221	7.221	0.000	262652	0.02500	0.02424(a)
27 4,4'-DDE	7.282	7.282	0.000	302187	0.02500	0.02478(a)
28 Dieldrin	7.459	7.459	0.000	292558	0.02500	0.02450(a)
29 Endrin	7.719	7.719	0.000	243037	0.02500	0.02438(a)
30 4,4'-DDD	7.785	7.785	0.000	283708	0.02500	0.02461(a)
32 Endosulfan II	7.973	7.973	0.000	287399	0.02500	0.02444(a)
33 4,4'-DDT	8.024	8.024	0.000	241947	0.02500	0.02396(a)
34 Endrin aldehyde	8.140	8.140	0.000	222177	0.02500	0.02407(a)
35 Endosulfan sulfate	8.362	8.362	0.000	252551	0.02500	0.02405(a)
36 Methoxychlor	8.595	8.595	0.000	116227	0.02500	0.02334(a)
38 Endrin ketone	8.982	8.982	0.000	271693	0.02500	0.02371(a)

Data File: \\pitsvr06\d\chem\gc15.i\0820128081A.b\R08120001189.D
Report Date: 21-Aug-2012 04:37

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 39 DCB Decachlorobiphenyl (Surr)	10.665	10.665	0.000	158388	0.02500	0.02394

QC Flag Legend

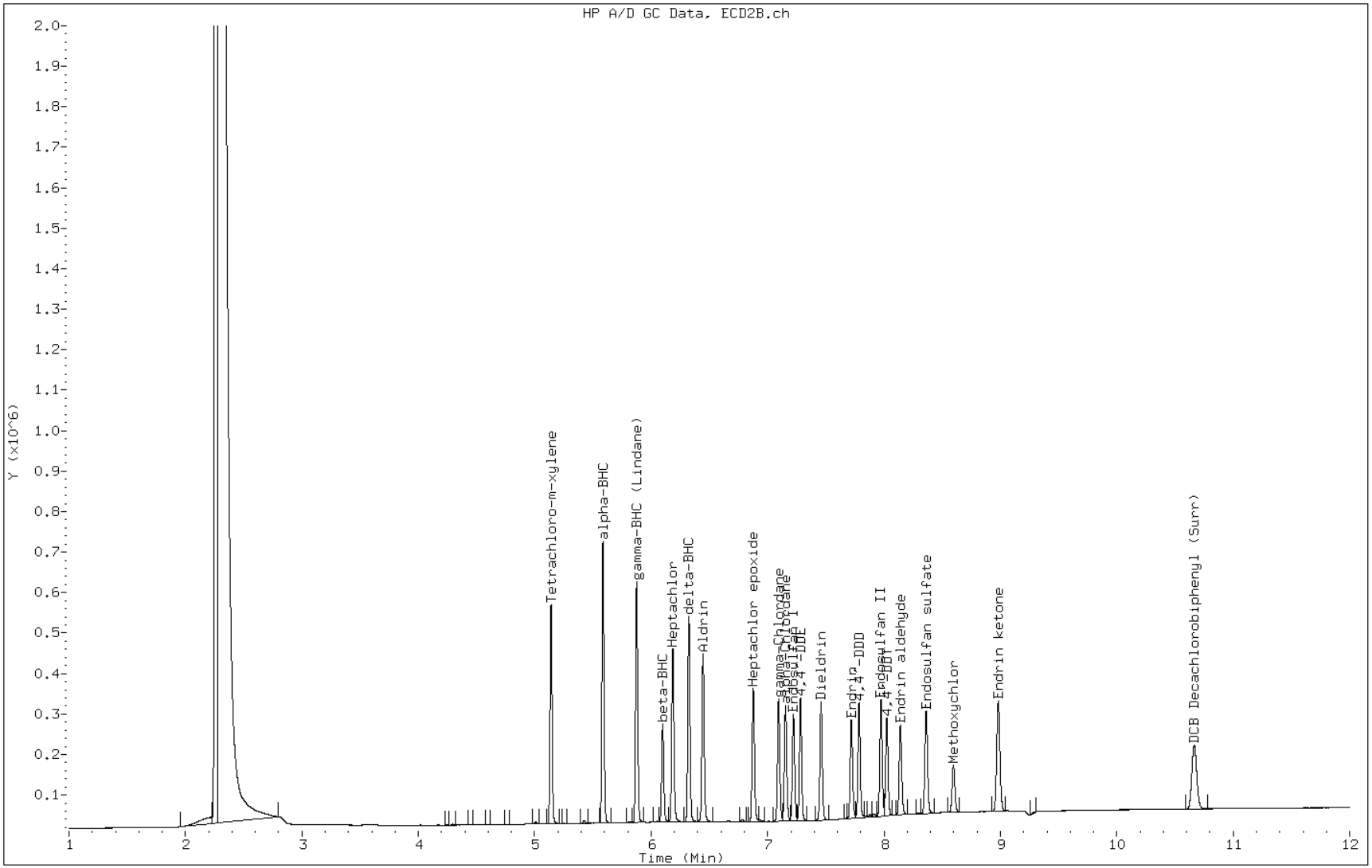
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: R08120001189.D

Date: 20-AUG-2012 16:09

Client ID: Instrument: gc15.i

Sample Info: ICRT 343058,082012.b Operator: 01797



Data File: \\pitsvr06\d\chem\gc15.i\0820128081A.b\R08120001190.D
Report Date: 21-Aug-2012 04:37

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc15.i\0820128081A.b\R08120001190.D
Lab Smp Id: IC 343059
Inj Date : 20-AUG-2012 16:24
Operator : 01797 Inst ID: gc15.i
Smp Info : IC 343059,082012.b
Misc Info :
Comment : 8081 Analysis
Method : \\pitsvr06\d\chem\gc15.i\0820128081A.b\TPESTB2.m
Meth Date : 21-Aug-2012 04:37 gc15.i Quant Type: ESTD
Cal Date : 20-AUG-2012 16:09 Cal File: R08120001189.D
Als bottle: 19 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PESTCAL.sub
Target Version: 4.14
Processing Host: PITPC-509

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 4 Tetrachloro-m-xylene	5.140	5.142	-0.002	1080995	0.05000	0.04861(a)
6 alpha-BHC	5.586	5.586	0.000	1457563	0.05000	0.04979(a)
7 gamma-BHC (Lindane)	5.874	5.875	-0.001	1228433	0.05000	0.04960(a)
10 beta-BHC	6.098	6.099	-0.001	499275	0.05000	0.04717(a)
11 Heptachlor	6.184	6.185	-0.001	866928	0.05000	0.04778(a)
13 delta-BHC	6.323	6.323	0.000	1057971	0.05000	0.04932(a)
17 Aldrin	6.444	6.445	-0.001	834339	0.05000	0.04852(a)
21 Heptachlor epoxide	6.876	6.876	0.000	659633	0.05000	0.04750(a)
24 gamma-Chlordane	7.095	7.094	0.001	622512	0.05000	0.04906(a)
25 alpha-Chlordane	7.153	7.153	0.000	580525	0.05000	0.04862(a)
26 Endosulfan I	7.221	7.221	0.000	538029	0.05000	0.04965(a)
27 4,4'-DDE	7.282	7.282	0.000	623926	0.05000	0.05116
28 Dieldrin	7.459	7.459	0.000	601402	0.05000	0.05036
29 Endrin	7.719	7.719	0.000	495092	0.05000	0.04967(a)
30 4,4'-DDD	7.785	7.785	0.000	573591	0.05000	0.04976(a)
32 Endosulfan II	7.974	7.973	0.001	587796	0.05000	0.04998(a)
33 4,4'-DDT	8.024	8.024	0.000	520870	0.05000	0.05157
34 Endrin aldehyde	8.141	8.140	0.001	460578	0.05000	0.04990(a)
35 Endosulfan sulfate	8.362	8.362	0.000	517930	0.05000	0.04932(a)
36 Methoxychlor	8.597	8.595	0.002	245433	0.05000	0.04929(a)
38 Endrin ketone	8.982	8.982	0.000	566737	0.05000	0.04946(a)

Data File: \\pitsvr06\d\chem\gc15.i\0820128081A.b\R08120001190.D
Report Date: 21-Aug-2012 04:37

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 39 DCB Decachlorobiphenyl (Surr)	10.665	10.665	0.000	327419	0.05000	0.04790

QC Flag Legend

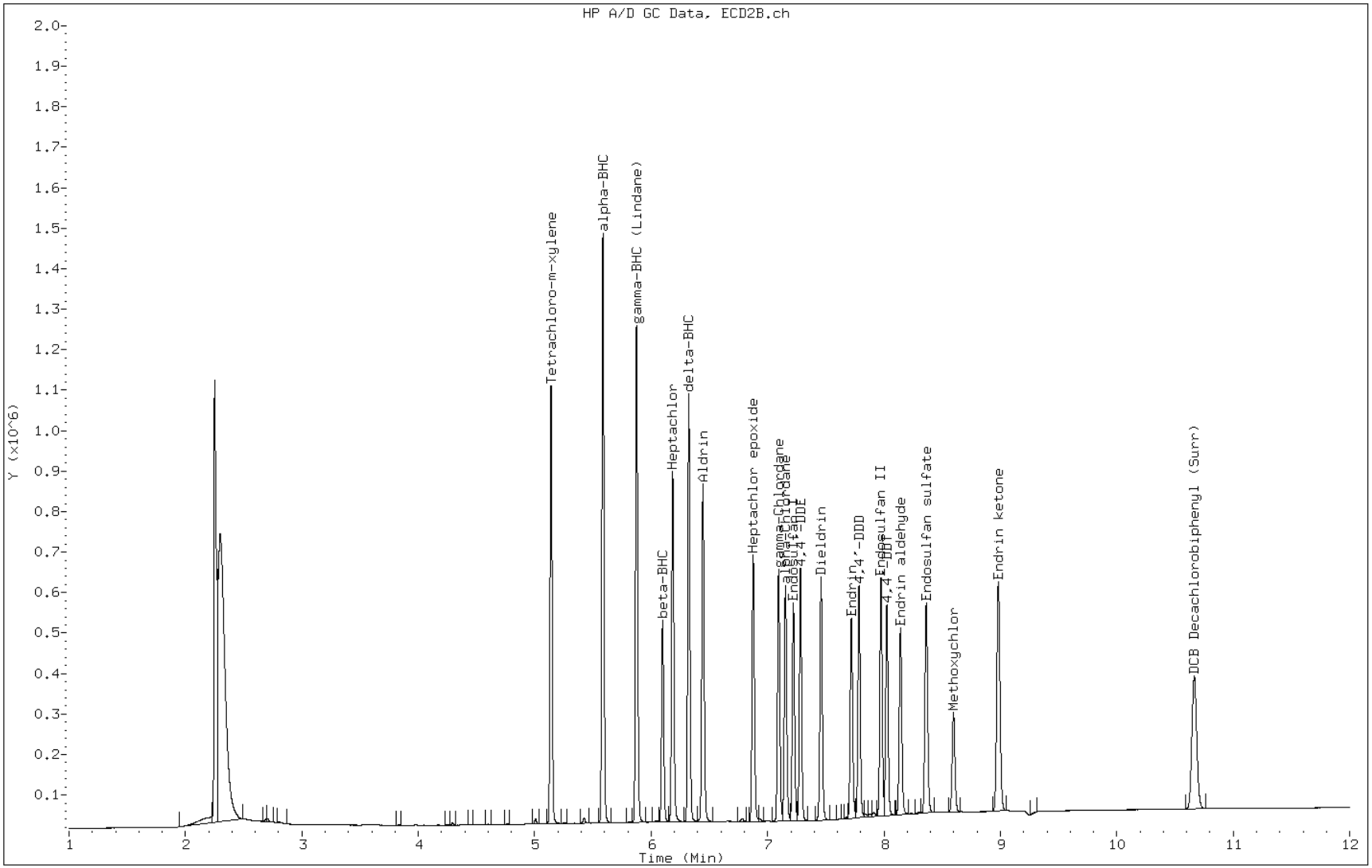
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: R08120001190.D

Date: 20-AUG-2012 16:24

Client ID: Instrument: gc15.i

Sample Info: IC 343059,082012.b Operator: 01797



Data File: \\pitsvr06\d\chem\gc15.i\0820128081A.b\R08120001191.D
Report Date: 21-Aug-2012 04:37

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc15.i\0820128081A.b\R08120001191.D
Lab Smp Id: IC 343060
Inj Date : 20-AUG-2012 16:40
Operator : 01797 Inst ID: gc15.i
Smp Info : IC 343060,082012.b
Misc Info :
Comment : 8081 Analysis
Method : \\pitsvr06\d\chem\gc15.i\0820128081A.b\TPESTB2.m
Meth Date : 21-Aug-2012 04:37 gc15.i Quant Type: ESTD
Cal Date : 20-AUG-2012 16:24 Cal File: R08120001190.D
Als bottle: 20 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PESTCAL.sub
Target Version: 4.14
Processing Host: PITPC-509

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 4 Tetrachloro-m-xylene	5.140	5.142	-0.002	2077630	0.10000	0.09343
6 alpha-BHC	5.585	5.586	-0.001	2902411	0.10000	0.09915
7 gamma-BHC (Lindane)	5.874	5.875	-0.001	2405373	0.10000	0.09712
10 beta-BHC	6.098	6.099	-0.001	986271	0.10000	0.09318
11 Heptachlor	6.185	6.185	0.000	1692462	0.10000	0.09329
13 delta-BHC	6.322	6.323	-0.001	2086213	0.10000	0.09724
17 Aldrin	6.444	6.445	-0.001	1597688	0.10000	0.09291
21 Heptachlor epoxide	6.876	6.876	0.000	1296253	0.10000	0.09334
24 gamma-Chlordane	7.094	7.094	0.000	1212410	0.10000	0.09554
25 alpha-Chlordane	7.153	7.153	0.000	1138803	0.10000	0.09537
26 Endosulfan I	7.222	7.221	0.001	1024641	0.10000	0.09455
27 4,4'-DDE	7.282	7.282	0.000	1133923	0.10000	0.09298
28 Dieldrin	7.459	7.459	0.000	1159521	0.10000	0.09709
29 Endrin	7.719	7.719	0.000	972283	0.10000	0.09754
30 4,4'-DDD	7.785	7.785	0.000	1110736	0.10000	0.09636
32 Endosulfan II	7.973	7.973	0.000	1124434	0.10000	0.09561
33 4,4'-DDT	8.024	8.024	0.000	1023270	0.10000	0.1013
34 Endrin aldehyde	8.140	8.140	0.000	881185	0.10000	0.09547
35 Endosulfan sulfate	8.361	8.362	-0.001	1007348	0.10000	0.09593
36 Methoxychlor	8.596	8.595	0.001	474150	0.10000	0.09522(a)
38 Endrin ketone	8.981	8.982	-0.001	1121041	0.10000	0.09783

Data File: \\pitsvr06\d\chem\gc15.i\0820128081A.b\R08120001191.D
Report Date: 21-Aug-2012 04:37

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 39 DCB Decachlorobiphenyl (Surr)	10.665	10.665	0.000	640908	0.10000	0.09376

QC Flag Legend

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

Data File: R08120001191.D

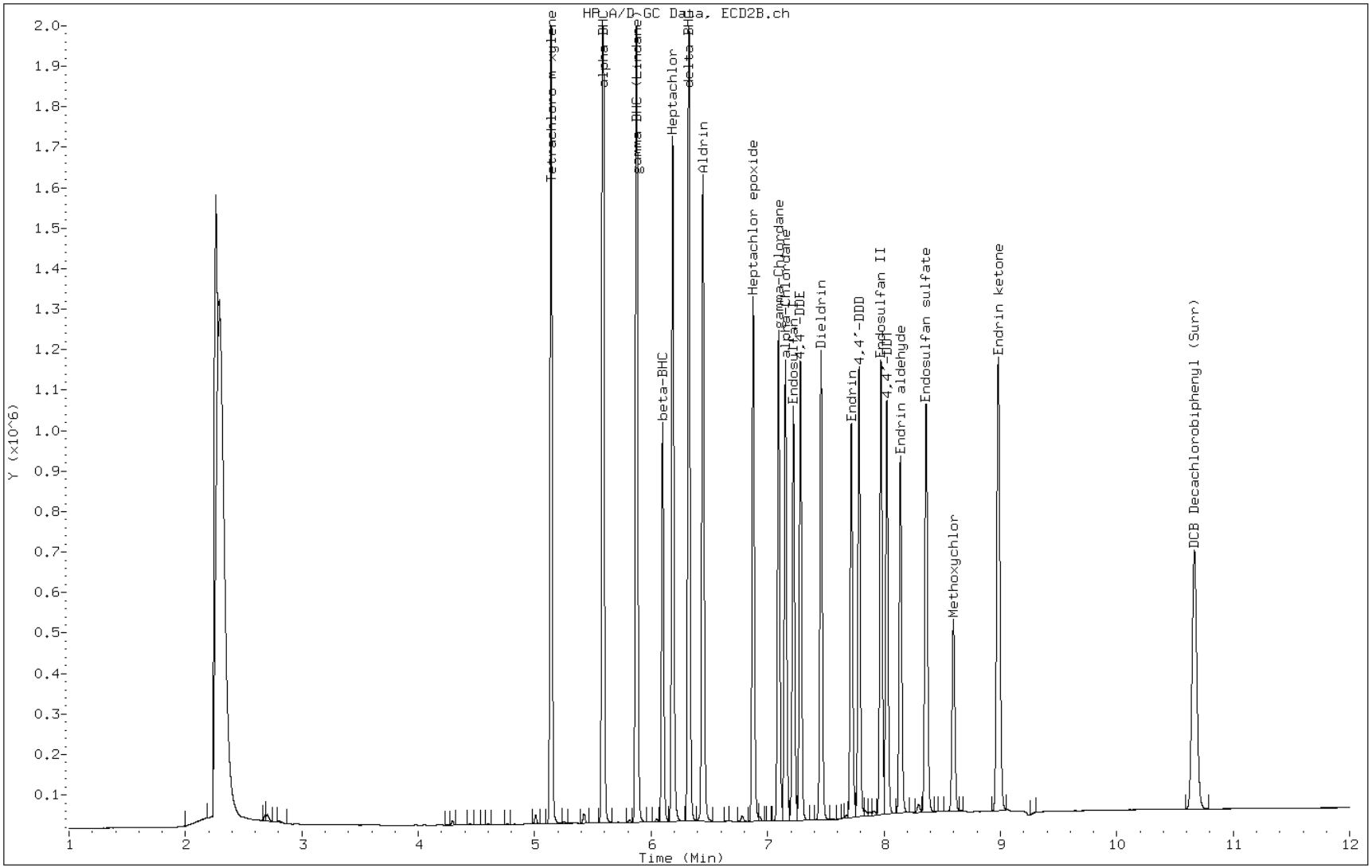
Date: 20-AUG-2012 16:40

Client ID:

Instrument: gc15.i

Sample Info: IC 343060,082012.b

Operator: 01797



Data File: \\pitsvr06\d\chem\gc15.i\0820128081A.b\R08120001192.D
Report Date: 21-Aug-2012 04:37

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc15.i\0820128081A.b\R08120001192.D
Lab Smp Id: IC 343061
Inj Date : 20-AUG-2012 16:55
Operator : 01797 Inst ID: gc15.i
Smp Info : IC 343061,082012.b
Misc Info :
Comment : 8081 Analysis
Method : \\pitsvr06\d\chem\gc15.i\0820128081A.b\TPESTB2.m
Meth Date : 21-Aug-2012 04:37 gc15.i Quant Type: ESTD
Cal Date : 20-AUG-2012 16:40 Cal File: R08120001191.D
Als bottle: 21 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PESTCAL.sub
Target Version: 4.14
Processing Host: PITPC-509

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 4 Tetrachloro-m-xylene	5.140	5.142	-0.002	4106528	0.20000	0.1847
6 alpha-BHC	5.586	5.586	0.000	5800915	0.20000	0.1982
7 gamma-BHC (Lindane)	5.874	5.875	-0.001	4706483	0.20000	0.1900
10 beta-BHC	6.098	6.099	-0.001	1883829	0.20000	0.1780
11 Heptachlor	6.186	6.185	0.001	3263282	0.20000	0.1799
13 delta-BHC	6.323	6.323	0.000	4130817	0.20000	0.1926
17 Aldrin	6.445	6.445	0.000	3114576	0.20000	0.1811
21 Heptachlor epoxide	6.877	6.876	0.001	2514124	0.20000	0.1810
24 gamma-Chlordane	7.095	7.094	0.001	2416107	0.20000	0.1904
25 alpha-Chlordane	7.154	7.153	0.001	2271423	0.20000	0.1902
26 Endosulfan I	7.222	7.221	0.001	2035324	0.20000	0.1878
27 4,4'-DDE	7.282	7.282	0.000	2369213	0.20000	0.1943
28 Dieldrin	7.460	7.459	0.001	2334034	0.20000	0.1954
29 Endrin	7.720	7.719	0.001	1946985	0.20000	0.1953
30 4,4'-DDD	7.786	7.785	0.001	2316142	0.20000	0.2009(A)
32 Endosulfan II	7.974	7.973	0.001	2317573	0.20000	0.1970
33 4,4'-DDT	8.025	8.024	0.001	2095564	0.20000	0.2075(A)
34 Endrin aldehyde	8.142	8.140	0.002	1802547	0.20000	0.1953
35 Endosulfan sulfate	8.363	8.362	0.001	2034269	0.20000	0.1937
36 Methoxychlor	8.597	8.595	0.002	951669	0.20000	0.1911
38 Endrin ketone	8.982	8.982	0.000	2211305	0.20000	0.1930

Data File: \\pitsvr06\d\chem\gc15.i\0820128081A.b\R08120001192.D
Report Date: 21-Aug-2012 04:37

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 39 DCB Decachlorobiphenyl (Surr)	10.664	10.665	-0.001	1265324	0.20000	0.1851

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: R08120001192.D

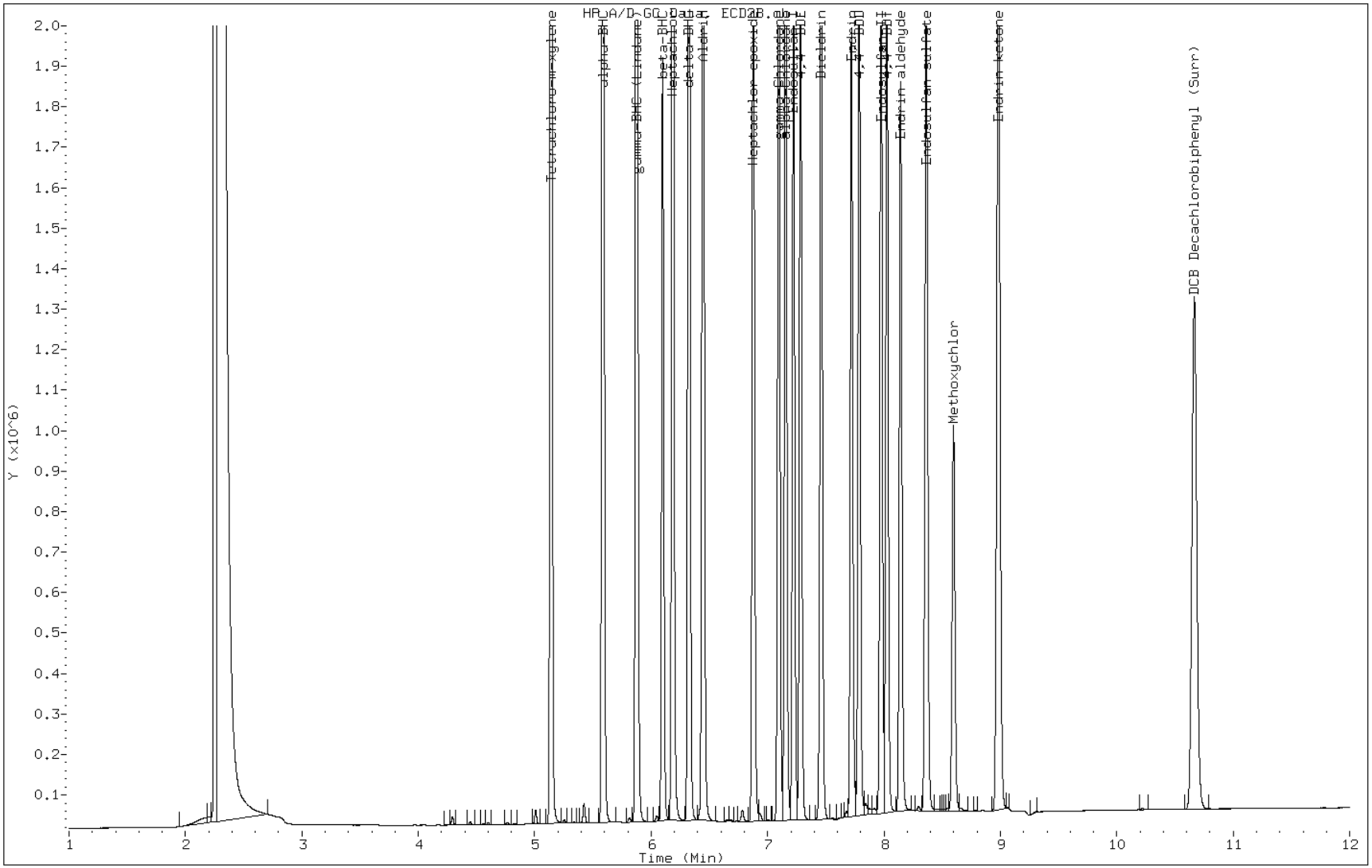
Date: 20-AUG-2012 16:55

Client ID:

Instrument: gc15.i

Sample Info: IC 343061,082012.b

Operator: 01797



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: PEM 180-47297/91 Calibration Date: 09/05/2012 16:05

Instrument ID: GC15 Calib Start Date: 08/20/2012 15:38

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 08/20/2012 16:55

Lab File ID: Q09120000221.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	6.81	772621	5.79	15	
Endrin aldehyde	7.12	11418			
Endrin ketone	7.76	36057			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	7.23	1153043	6.72	15	
4,4'-DDD	6.95	69207			
4,4'-DDE	6.50	13919			

Data File: \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\Q09120000221.D
Report Date: 06-Sep-2012 06:05

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\Q09120000221.D
Lab Smp Id: PEM 343054
Inj Date : 05-SEP-2012 16:05
Operator : 402331 Inst ID: gc15.i
Smp Info : PEM 343054,090412.b
Misc Info :
Comment : 8081 analysis
Method : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\TPESTA1.m
Meth Date : 05-Sep-2012 11:45 oravecj Quant Type: ESTD
Cal Date : 20-AUG-2012 16:55 Cal File: Q08120001192.D
Als bottle: 106 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: EVALBR.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.372	4.373	-0.001	1199283	0.02258	0.02258(R)
27 4,4'-DDE	6.502	6.504	-0.002	13919	3e-004	0.0003341
30 Endrin	6.809	6.810	-0.001	772621	0.02198	0.02198
31 4,4'-DDD	6.953	6.953	0.000	69207	0.00200	0.001997
33 Endrin aldehyde	7.120	7.121	-0.001	11418	4e-004	0.0004279
34 4,4'-DDT	7.228	7.229	-0.001	1153043	0.03621	0.03621
37 Endrin ketone	7.756	7.756	0.000	36057	0.00105	0.001051
$ 39 DCB Decachlorobiphenyl (Surr)	9.245	9.248	-0.003	359495	0.02389	0.02389(aR)

QC Flag Legend

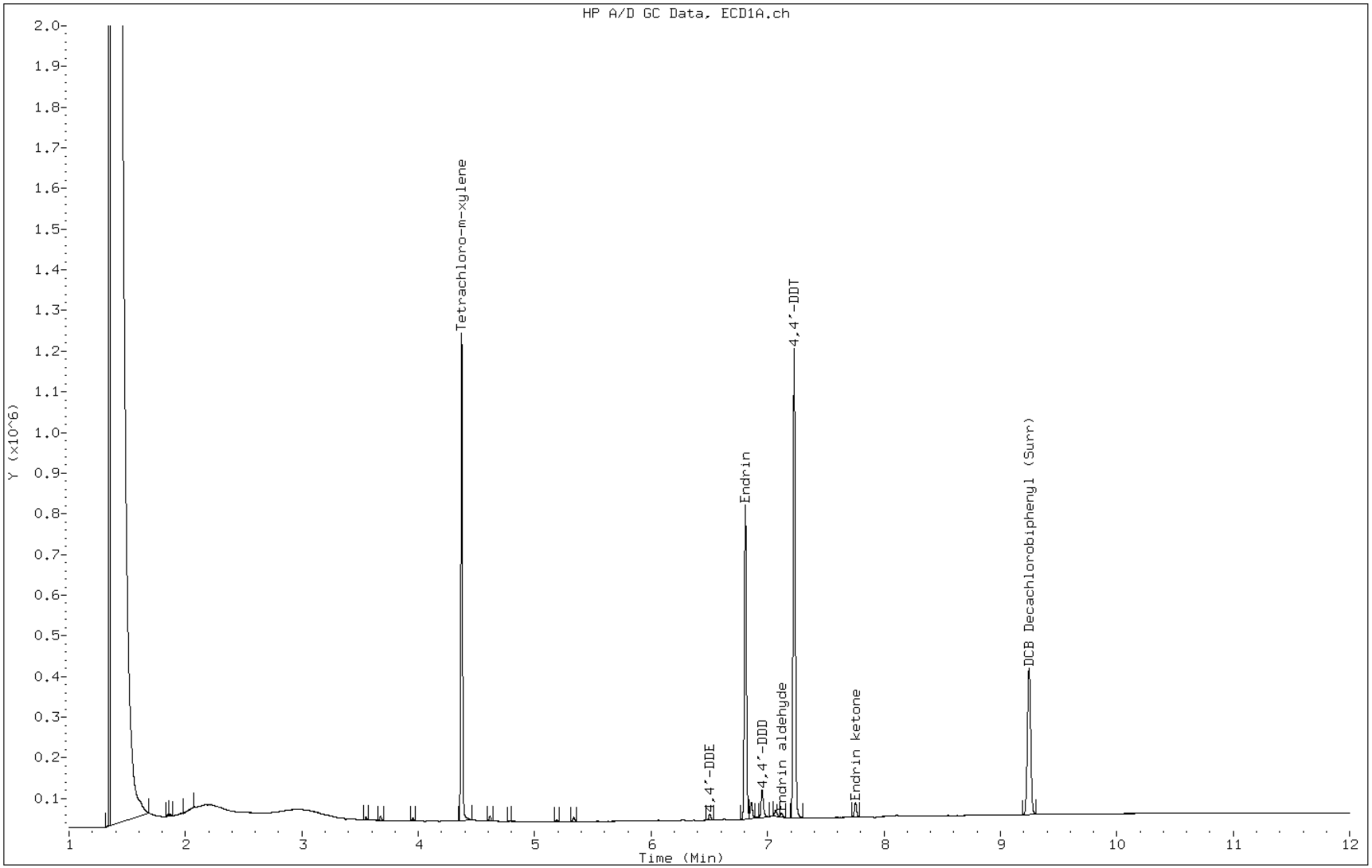
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: Q09120000221.D

Date: 05-SEP-2012 16:05

Client ID: Instrument: gc15.i

Sample Info: PEM 343054,090412.b Operator: 402331



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: PEM 180-47297/91 Calibration Date: 09/05/2012 16:05

Instrument ID: GC15 Calib Start Date: 08/20/2012 15:38

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 08/20/2012 16:55

Lab File ID: R09120000221.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	7.71	215257	6.94	15	
Endrin aldehyde	8.14	3976			
Endrin ketone	8.98	12067			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	8.02	394939	7.48	15	
4,4'-DDD	7.78	27035			
4,4'-DDE	7.28	4896			

Data File: \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\R09120000221.D
Report Date: 06-Sep-2012 07:04

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\R09120000221.D
Lab Smp Id: PEM 343054
Inj Date : 05-SEP-2012 16:05
Operator : 402331 Inst ID: gc15.i
Smp Info : PEM 343054,090412.b
Misc Info :
Comment : 8081 Analysis
Method : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\TPESTB2.m
Meth Date : 05-Sep-2012 11:47 oravecj Quant Type: ESTD
Cal Date : 20-AUG-2012 16:55 Cal File: R08120001192.D
Als bottle: 106 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: EVALBR.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	5.137	5.144	-0.007	462058	0.02078	0.02078(R)
27 4,4'-DDE	7.280	7.282	-0.002	4896	4.e-004	0.0004014
29 Endrin	7.714	7.719	-0.005	215257	0.02160	0.02160
30 4,4'-DDD	7.784	7.786	-0.002	27035	0.00235	0.002345
33 4,4'-DDT	8.019	8.023	-0.004	394939	0.03910	0.03910
34 Endrin aldehyde	8.137	8.139	-0.002	3976	4e-004	0.0004308
38 Endrin ketone	8.975	8.980	-0.005	12067	0.00105	0.001053
$ 39 DCB Decachlorobiphenyl (Surr)	10.648	10.654	-0.006	151609	0.02218	0.02218(R)

QC Flag Legend

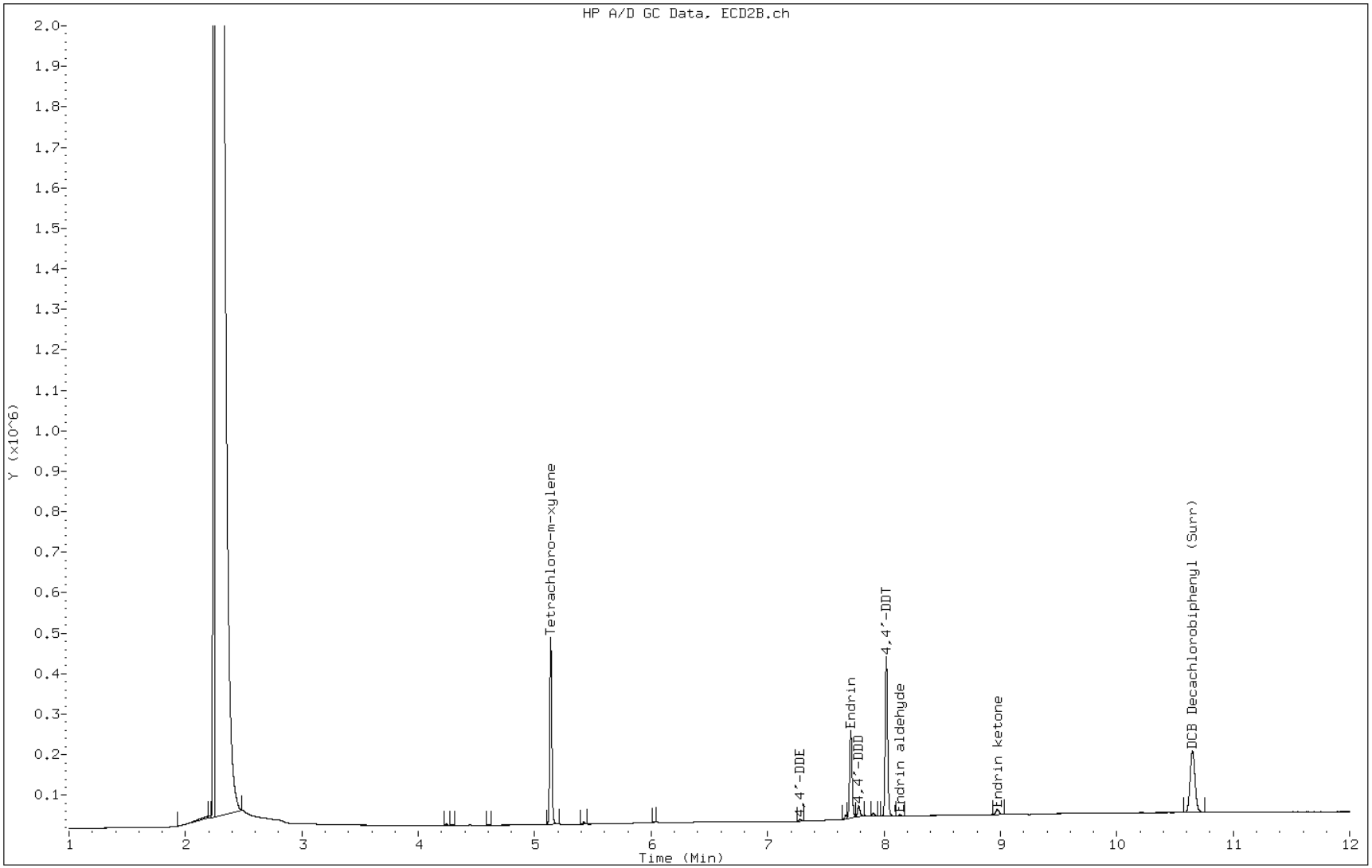
R - Spike/Surrogate failed recovery limits.

Data File: R09120000221.D

Date: 05-SEP-2012 16:05

Client ID: Instrument: gc15.i

Sample Info: PEM 343054,090412.b Operator: 402331



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCVRT 180-47297/2 Calibration Date: 09/04/2012 12:43

Instrument ID: GC15 Calib Start Date: 08/20/2012 15:38

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 08/20/2012 16:55

Lab File ID: Q09120000117.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	74594872	73139560		0.0245	0.0250	-2.0	15.0
gamma-BHC (Lindane)	Ave	64567230	63605120		0.0246	0.0250	-1.5	15.0
beta-BHC	Ave	26396448	23775880		0.0225	0.0250	-9.9	15.0
delta-BHC	Ave	58381187	51684120		0.0221	0.0250	-11.5	15.0
Heptachlor	Ave	51086964	52098680		0.0255	0.0250	2.0	15.0
Aldrin	Ave	48248005	51639240		0.0268	0.0250	7.0	15.0
Heptachlor epoxide	Ave	42864842	44651040		0.0260	0.0250	4.2	15.0
gamma-Chlordane	Ave	43946712	45788920		0.0260	0.0250	4.2	15.0
alpha-Chlordane	Ave	41742260	43842640		0.0263	0.0250	5.0	15.0
Endosulfan I	Ave	37816175	40061320		0.0265	0.0250	5.9	15.0
4,4'-DDE	Ave	41660674	43857240		0.0263	0.0250	5.3	15.0
Dieldrin	Ave	41780465	43511040		0.0260	0.0250	4.1	15.0
Endrin	Ave	35154939	36916680		0.0263	0.0250	5.0	15.0
4,4'-DDD	Ave	34649629	35711160		0.0258	0.0250	3.1	15.0
Endosulfan II	Ave	33914607	35440040		0.0261	0.0250	4.5	15.0
Endrin aldehyde	Ave	26681038	27890920		0.0261	0.0250	4.5	15.0
4,4'-DDT	Ave	31841669	27391760		0.0215	0.0250	-14.0	15.0
Endosulfan sulfate	Ave	29633340	29011200		0.0245	0.0250	-2.1	15.0
Methoxychlor	Ave	14334223	12537960		0.0219	0.0250	-12.5	15.0
Endrin ketone	Ave	34316353	34781720		0.0253	0.0250	1.4	15.0
Tetrachloro-m-xylene	Ave	53101403	54989320		0.0259	0.0250	3.6	15.0
DCB Decachlorobiphenyl (Surr)	Ave	15045618	14973720		0.0249	0.0250	-0.5	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCVRT 180-47297/2 Calibration Date: 09/04/2012 12:43

Instrument ID: GC15 Calib Start Date: 08/20/2012 15:38

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 08/20/2012 16:55

Lab File ID: Q09120000117.D

Analyte	RT	RT WINDOW	
		TO	FROM
alpha-BHC	4.72	4.69	4.75
gamma-BHC (Lindane)	4.98	4.95	5.01
beta-BHC	5.14	5.11	5.17
delta-BHC	5.33	5.30	5.36
Heptachlor	5.44	5.41	5.47
Aldrin	5.71	5.68	5.74
Heptachlor epoxide	6.06	6.03	6.09
gamma-Chlordane	6.28	6.25	6.31
alpha-Chlordane	6.34	6.31	6.37
Endosulfan I	6.38	6.35	6.41
4,4'-DDE	6.50	6.47	6.53
Dieldrin	6.62	6.59	6.65
Endrin	6.81	6.78	6.84
4,4'-DDD	6.95	6.92	6.98
Endosulfan II	7.01	6.98	7.04
Endrin aldehyde	7.12	7.09	7.15
4,4'-DDT	7.23	7.20	7.26
Endosulfan sulfate	7.33	7.30	7.36
Methoxychlor	7.67	7.64	7.70
Endrin ketone	7.76	7.73	7.79
Tetrachloro-m-xylene	4.37	4.34	4.40
DCB Decachlorobiphenyl (Surr)	9.25	9.20	9.30

Data File: \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\Q09120000117.D
Report Date: 04-Sep-2012 13:08

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\Q09120000117.D
Lab Smp Id: CCVRT 343058
Inj Date : 04-SEP-2012 12:43
Operator : 402331 Inst ID: gc15.i
Smp Info : CCVRT 343058,090412.b
Misc Info :
Comment : 8081 analysis
Method : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\TPESTA1.m
Meth Date : 04-Sep-2012 13:08 oravecj Quant Type: ESTD
Cal Date : 20-AUG-2012 16:55 Cal File: Q08120001192.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PESTCAL.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 4 Tetrachloro-m-xylene	4.373	4.373	0.000	1374733	0.02500	0.02589
6 alpha-BHC	4.723	4.723	0.000	1828489	0.02500	0.02451
7 gamma-BHC (Lindane)	4.978	4.978	0.000	1590128	0.02500	0.02463
8 beta-BHC	5.138	5.138	0.000	594397	0.02500	0.02252
11 delta-BHC	5.326	5.326	0.000	1292103	0.02500	0.02213
12 Heptachlor	5.438	5.438	0.000	1302467	0.02500	0.02550
17 Aldrin	5.709	5.709	0.000	1290981	0.02500	0.02676
20 Heptachlor epoxide	6.060	6.060	0.000	1116276	0.02500	0.02604
24 gamma-Chlordane	6.275	6.275	0.000	1144723	0.02500	0.02605
25 alpha-Chlordane	6.342	6.342	0.000	1096066	0.02500	0.02626
26 Endosulfan I	6.380	6.380	0.000	1001533	0.02500	0.02648
27 4,4'-DDE	6.504	6.504	0.000	1096431	0.02500	0.02632
28 Dieldrin	6.616	6.616	0.000	1087776	0.02500	0.02604
30 Endrin	6.810	6.810	0.000	922917	0.02500	0.02625
31 4,4'-DDD	6.953	6.953	0.000	892779	0.02500	0.02576
32 Endosulfan II	7.006	7.006	0.000	886001	0.02500	0.02612
33 Endrin aldehyde	7.121	7.121	0.000	697273	0.02500	0.02613
34 4,4'-DDT	7.229	7.229	0.000	684794	0.02500	0.02151
35 Endosulfan sulfate	7.331	7.331	0.000	725280	0.02500	0.02448
36 Methoxychlor	7.671	7.671	0.000	313449	0.02500	0.02187
37 Endrin ketone	7.756	7.756	0.000	869543	0.02500	0.02534

Data File: \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\Q09120000117.D
Report Date: 04-Sep-2012 13:08

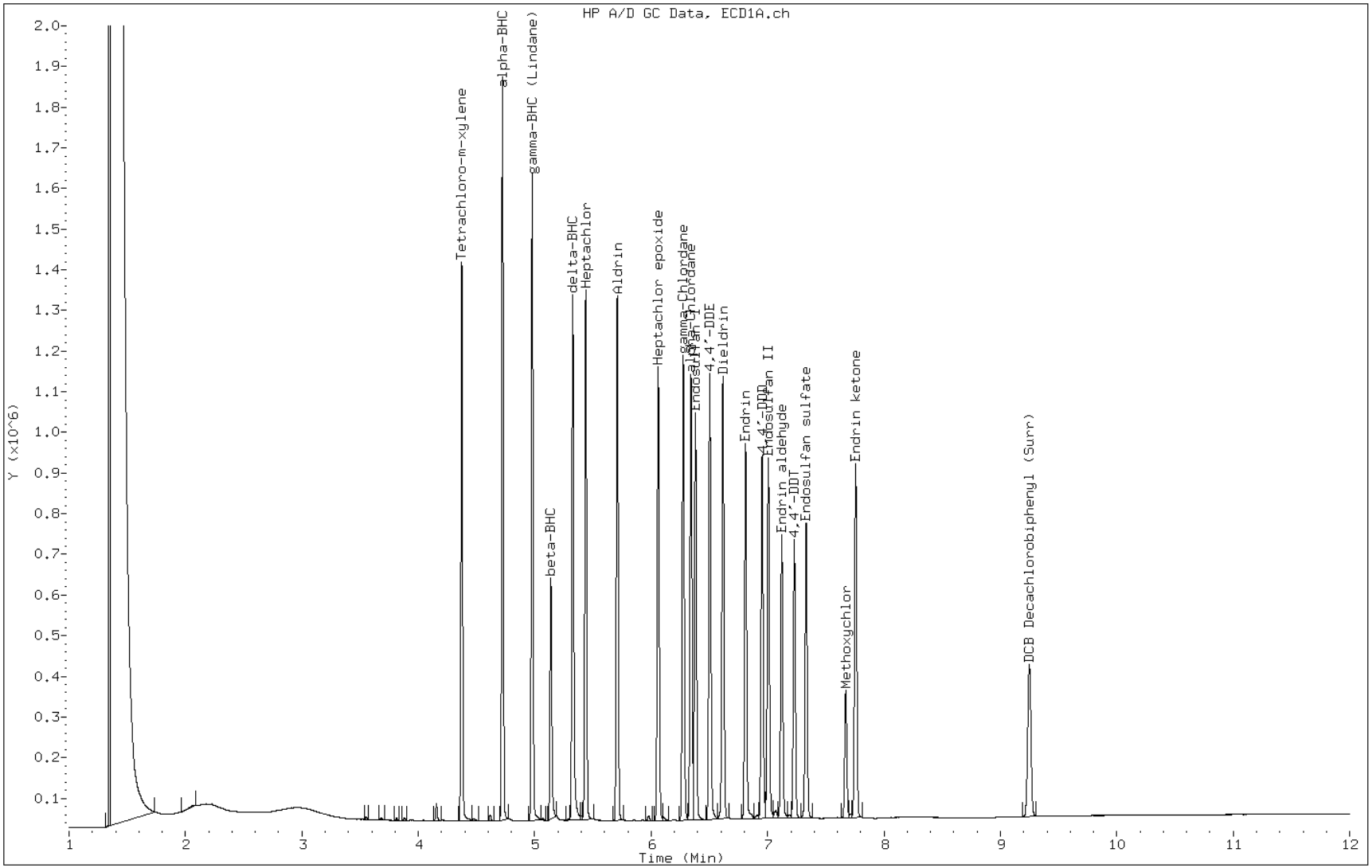
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 39 DCB Decachlorobiphenyl (Surr)	9.248	9.248	0.000	374343	0.02500	0.02488

Data File: Q09120000117.D

Date: 04-SEP-2012 12:43

Client ID: Instrument: gc15.i

Sample Info: CCVRT 343058,090412.b Operator: 402331



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCVRT 180-47297/2 Calibration Date: 09/04/2012 12:43

Instrument ID: GC15 Calib Start Date: 08/20/2012 15:38

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 08/20/2012 16:55

Lab File ID: R09120000117.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	29273644	27704960		0.0237	0.0250	-5.4	15.0
gamma-BHC (Lindane)	Ave	24767254	22892160		0.0231	0.0250	-7.6	15.0
beta-BHC	Ave	10584093	9427880		0.0223	0.0250	-10.9	15.0
Heptachlor	Ave	18142578	15733120		0.0217	0.0250	-13.3	15.0
delta-BHC	Ave	21453106	19363000		0.0226	0.0250	-9.7	15.0
Aldrin	Ave	17196503	16953080		0.0246	0.0250	-1.4	15.0
Heptachlor epoxide	Ave	13887328	13235720		0.0238	0.0250	-4.7	15.0
gamma-Chlordane	Ave	12689786	12132240		0.0239	0.0250	-4.4	15.0
alpha-Chlordane	Ave	11940688	11584320		0.0243	0.0250	-3.0	15.0
Endosulfan I	Ave	10837048	10742840		0.0248	0.0250	-0.9	15.0
4,4'-DDE	Ave	12195816	12485080		0.0256	0.0250	2.4	15.0
Dieldrin	Ave	11943157	12342160		0.0258	0.0250	3.3	15.0
Endrin	Ave	9967846	10094600		0.0253	0.0250	1.3	15.0
4,4'-DDD	Ave	11527335	13148720		0.0285	0.0250	14.1	15.0
Endosulfan II	Ave	11760981	12332280		0.0262	0.0250	4.9	15.0
4,4'-DDT	Ave	10099833	8560960		0.0212	0.0250	-15.2*	15.0
Endrin aldehyde	Ave	9230104	9824440		0.0266	0.0250	6.4	15.0
Endosulfan sulfate	Ave	10500711	10905400		0.0260	0.0250	3.9	15.0
Methoxychlor	Ave	4979331	4368280		0.0219	0.0250	-12.3	15.0
Endrin ketone	Ave	11458833	11607320		0.0253	0.0250	1.3	15.0
Tetrachloro-m-xylene	Ave	22236433	21331040		0.0240	0.0250	-4.1	15.0
DCB Decachlorobiphenyl (Surr)	Ave	6835300	7029440		0.0257	0.0250	2.8	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCVRT 180-47297/2 Calibration Date: 09/04/2012 12:43

Instrument ID: GC15 Calib Start Date: 08/20/2012 15:38

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 08/20/2012 16:55

Lab File ID: R09120000117.D

Analyte	RT	RT WINDOW	
		TO	FROM
alpha-BHC	5.59	5.54	5.64
gamma-BHC (Lindane)	5.88	5.83	5.93
beta-BHC	6.10	6.05	6.15
Heptachlor	6.19	6.14	6.24
delta-BHC	6.33	6.28	6.38
Aldrin	6.45	6.40	6.50
Heptachlor epoxide	6.88	6.83	6.93
gamma-Chlordane	7.10	7.05	7.15
alpha-Chlordane	7.15	7.10	7.20
Endosulfan I	7.22	7.17	7.27
4,4'-DDE	7.28	7.23	7.33
Dieldrin	7.46	7.41	7.51
Endrin	7.72	7.67	7.77
4,4'-DDD	7.79	7.74	7.84
Endosulfan II	7.97	7.92	8.02
4,4'-DDT	8.02	7.97	8.07
Endrin aldehyde	8.14	8.09	8.19
Endosulfan sulfate	8.36	8.31	8.41
Methoxychlor	8.59	8.54	8.64
Endrin ketone	8.98	8.93	9.03
Tetrachloro-m-xylene	5.14	5.09	5.19
DCB Decachlorobiphenyl (Surr)	10.65	10.60	10.70

Data File: \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\R09120000117.D
Report Date: 04-Sep-2012 13:09

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\R09120000117.D
Lab Smp Id: CCVRT 343058
Inj Date : 04-SEP-2012 12:43
Operator : 402331 Inst ID: gc15.i
Smp Info : CCVRT 343058,090412.b
Misc Info :
Comment : 8081 Analysis
Method : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\TPESTB2.m
Meth Date : 04-Sep-2012 13:09 oravecj Quant Type: ESTD
Cal Date : 20-AUG-2012 16:55 Cal File: R08120001192.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PESTCAL.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 4 Tetrachloro-m-xylene	5.144	5.144	0.000	533276	0.02500	0.02398(a)
6 alpha-BHC	5.589	5.589	0.000	692624	0.02500	0.02366(a)
7 gamma-BHC (Lindane)	5.877	5.877	0.000	572304	0.02500	0.02311(a)
10 beta-BHC	6.102	6.102	0.000	235697	0.02500	0.02227(a)
11 Heptachlor	6.187	6.187	0.000	393328	0.02500	0.02168(a)
13 delta-BHC	6.327	6.327	0.000	484075	0.02500	0.02256(a)
17 Aldrin	6.446	6.446	0.000	423827	0.02500	0.02465(a)
21 Heptachlor epoxide	6.878	6.878	0.000	330893	0.02500	0.02383(a)
24 gamma-Chlordane	7.095	7.095	0.000	303306	0.02500	0.02390(a)
25 alpha-Chlordane	7.154	7.154	0.000	289608	0.02500	0.02425(a)
26 Endosulfan I	7.222	7.222	0.000	268571	0.02500	0.02478(a)
27 4,4'-DDE	7.282	7.282	0.000	312127	0.02500	0.02559(a)
28 Dieldrin	7.460	7.460	0.000	308554	0.02500	0.02584(a)
29 Endrin	7.719	7.719	0.000	252365	0.02500	0.02532(a)
30 4,4'-DDD	7.786	7.786	0.000	328718	0.02500	0.02852(a)
32 Endosulfan II	7.973	7.973	0.000	308307	0.02500	0.02621(a)
33 4,4'-DDT	8.023	8.023	0.000	214024	0.02500	0.02119(a)
34 Endrin aldehyde	8.139	8.139	0.000	245611	0.02500	0.02661(a)
35 Endosulfan sulfate	8.360	8.360	0.000	272635	0.02500	0.02596(a)
36 Methoxychlor	8.593	8.593	0.000	109207	0.02500	0.02193(a)
38 Endrin ketone	8.980	8.980	0.000	290183	0.02500	0.02532(a)

Data File: \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\R09120000117.D
Report Date: 04-Sep-2012 13:09

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 39 DCB Decachlorobiphenyl (Surr)	10.654	10.654	0.000	175736	0.02500	0.02571

QC Flag Legend

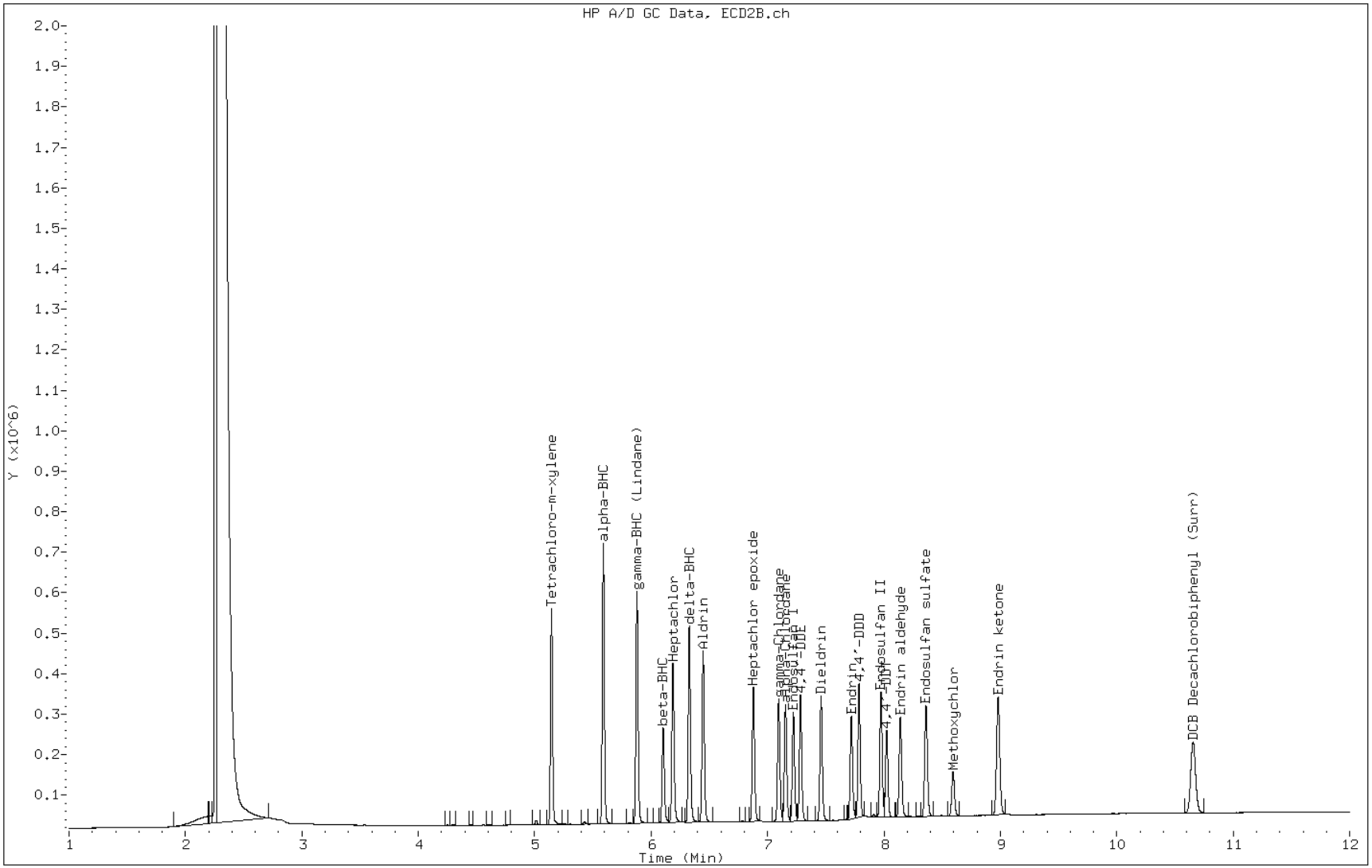
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: R09120000117.D

Date: 04-SEP-2012 12:43

Client ID: Instrument: gc15.i

Sample Info: CCVRT 343058,090412.b Operator: 402331



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCV 180-47297/92 Calibration Date: 09/05/2012 16:20

Instrument ID: GC15 Calib Start Date: 08/20/2012 15:38

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 08/20/2012 16:55

Lab File ID: Q09120000222.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	74594872	75142080		0.0252	0.0250	0.7	15.0
gamma-BHC (Lindane)	Ave	64567230	65370680		0.0253	0.0250	1.2	15.0
beta-BHC	Ave	26396448	23527640		0.0223	0.0250	-10.9	15.0
delta-BHC	Ave	58381187	51545560		0.0221	0.0250	-11.7	15.0
Heptachlor	Ave	51086964	52569920		0.0257	0.0250	2.9	15.0
Aldrin	Ave	48248005	52915600		0.0274	0.0250	9.7	15.0
Heptachlor epoxide	Ave	42864842	44590920		0.0260	0.0250	4.0	15.0
gamma-Chlordane	Ave	43946712	45482960		0.0259	0.0250	3.5	15.0
alpha-Chlordane	Ave	41742260	43787960		0.0262	0.0250	4.9	15.0
Endosulfan I	Ave	37816175	39309000		0.0260	0.0250	3.9	15.0
4,4'-DDE	Ave	41660674	42634880		0.0256	0.0250	2.3	15.0
Dieldrin	Ave	41780465	44348920		0.0265	0.0250	6.1	15.0
Endrin	Ave	35154939	37335640		0.0266	0.0250	6.2	15.0
4,4'-DDD	Ave	34649629	34101760		0.0246	0.0250	-1.6	15.0
Endosulfan II	Ave	33914607	35686720		0.0263	0.0250	5.2	15.0
Endrin aldehyde	Ave	26681038	27165600		0.0255	0.0250	1.8	15.0
4,4'-DDT	Ave	31841669	29692960		0.0233	0.0250	-6.7	15.0
Endosulfan sulfate	Ave	29633340	29341240		0.0248	0.0250	-1.0	15.0
Methoxychlor	Ave	14334223	13245520		0.0231	0.0250	-7.6	15.0
Endrin ketone	Ave	34316353	36455440		0.0266	0.0250	6.2	15.0
Tetrachloro-m-xylene	Ave	53101403	55797520		0.0263	0.0250	5.1	15.0
DCB Decachlorobiphenyl (Surr)	Ave	15045618	17061880		0.0284	0.0250	13.4	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCV 180-47297/92 Calibration Date: 09/05/2012 16:20

Instrument ID: GC15 Calib Start Date: 08/20/2012 15:38

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 08/20/2012 16:55

Lab File ID: Q09120000222.D

Analyte	RT	RT WINDOW	
		TO	FROM
alpha-BHC	4.72	4.69	4.75
gamma-BHC (Lindane)	4.98	4.95	5.01
beta-BHC	5.14	5.11	5.17
delta-BHC	5.33	5.30	5.36
Heptachlor	5.44	5.41	5.47
Aldrin	5.71	5.68	5.74
Heptachlor epoxide	6.06	6.03	6.09
gamma-Chlordane	6.27	6.25	6.31
alpha-Chlordane	6.34	6.31	6.37
Endosulfan I	6.38	6.35	6.41
4,4'-DDE	6.50	6.47	6.53
Dieldrin	6.61	6.59	6.65
Endrin	6.81	6.78	6.84
4,4'-DDD	6.95	6.92	6.98
Endosulfan II	7.01	6.98	7.04
Endrin aldehyde	7.12	7.09	7.15
4,4'-DDT	7.23	7.20	7.26
Endosulfan sulfate	7.33	7.30	7.36
Methoxychlor	7.67	7.64	7.70
Endrin ketone	7.76	7.73	7.79
Tetrachloro-m-xylene	4.37	4.34	4.40
DCB Decachlorobiphenyl (Surr)	9.25	9.20	9.30

Data File: \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\Q09120000222.D
Report Date: 06-Sep-2012 06:05

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\Q09120000222.D
Lab Smp Id: CCV 343058
Inj Date : 05-SEP-2012 16:20
Operator : 402331 Inst ID: gc15.i
Smp Info : CCV 343058,090412.b
Misc Info :
Comment : 8081 analysis
Method : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\TPESTA1.m
Meth Date : 06-Sep-2012 06:05 oravecj Quant Type: ESTD
Cal Date : 20-AUG-2012 16:55 Cal File: Q08120001192.D
Als bottle: 107 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PESTCAL.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 4 Tetrachloro-m-xylene	4.372	4.373	-0.001	1394938	0.02500	0.02627
6 alpha-BHC	4.722	4.723	-0.001	1878552	0.02500	0.02518
7 gamma-BHC (Lindane)	4.976	4.978	-0.002	1634267	0.02500	0.02531
8 beta-BHC	5.137	5.138	-0.001	588191	0.02500	0.02228
11 delta-BHC	5.325	5.326	-0.001	1288639	0.02500	0.02207
12 Heptachlor	5.435	5.438	-0.003	1314248	0.02500	0.02572
17 Aldrin	5.707	5.709	-0.002	1322890	0.02500	0.02742
20 Heptachlor epoxide	6.058	6.060	-0.002	1114773	0.02500	0.02601
24 gamma-Chlordane	6.273	6.275	-0.002	1137074	0.02500	0.02587
25 alpha-Chlordane	6.340	6.342	-0.002	1094699	0.02500	0.02622
26 Endosulfan I	6.378	6.380	-0.002	982725	0.02500	0.02599
27 4,4'-DDE	6.501	6.504	-0.003	1065872	0.02500	0.02558
28 Dieldrin	6.614	6.616	-0.002	1108723	0.02500	0.02654
30 Endrin	6.809	6.810	-0.001	933391	0.02500	0.02655
31 4,4'-DDD	6.951	6.953	-0.002	852544	0.02500	0.02460
32 Endosulfan II	7.005	7.006	-0.001	892168	0.02500	0.02631
33 Endrin aldehyde	7.120	7.121	-0.001	679140	0.02500	0.02545
34 4,4'-DDT	7.227	7.229	-0.002	742324	0.02500	0.02331
35 Endosulfan sulfate	7.329	7.331	-0.002	733531	0.02500	0.02475
36 Methoxychlor	7.669	7.671	-0.002	331138	0.02500	0.02310
37 Endrin ketone	7.755	7.756	-0.001	911386	0.02500	0.02656

Data File: \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\Q09120000222.D
Report Date: 06-Sep-2012 06:05

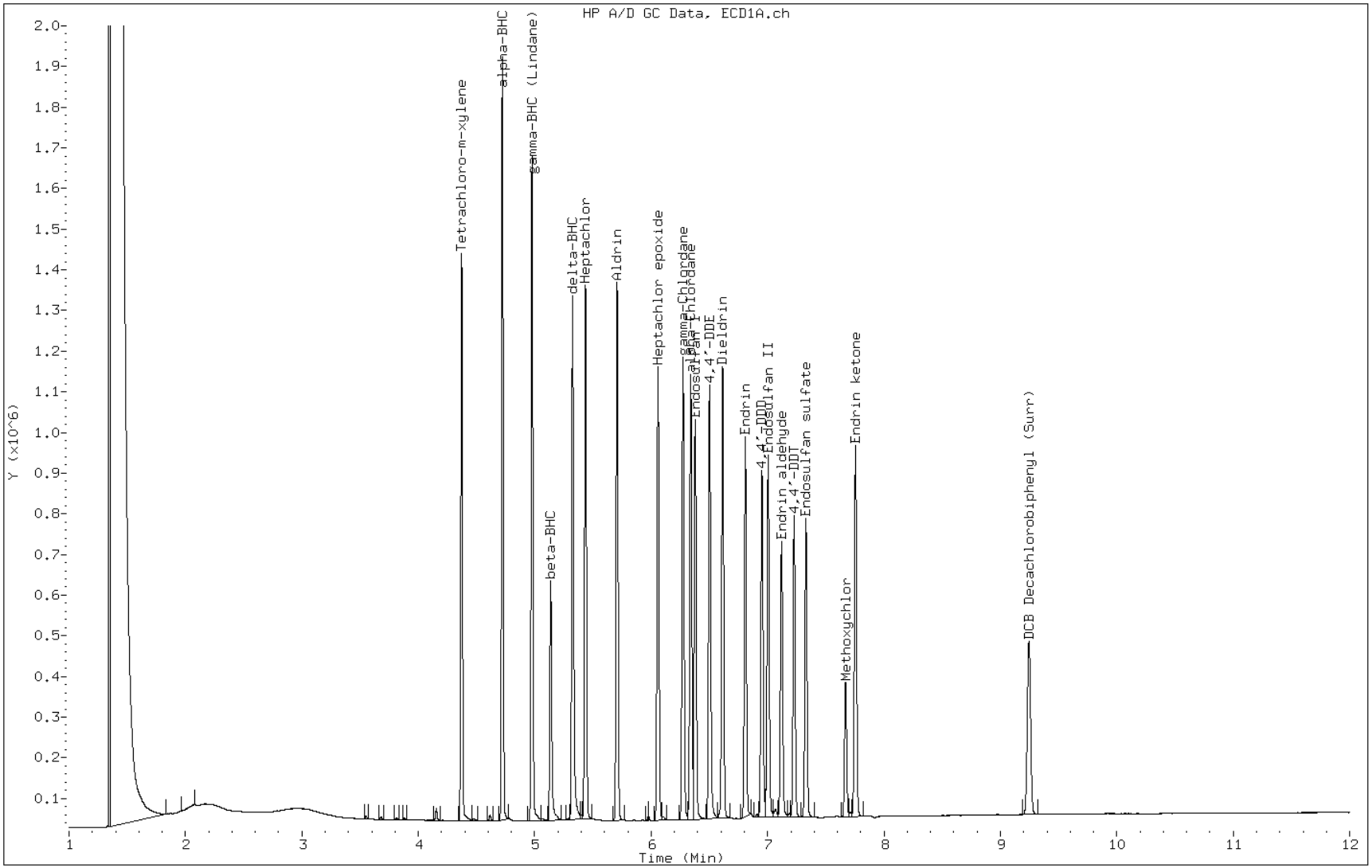
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 39 DCB Decachlorobiphenyl (Surr)	9.245	9.248	-0.003	426547	0.02500	0.02835

Data File: Q09120000222.D

Date: 05-SEP-2012 16:20

Client ID: Instrument: gc15.i

Sample Info: CCV 343058,090412.b Operator: 402331



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCV 180-47297/92 Calibration Date: 09/05/2012 16:20

Instrument ID: GC15 Calib Start Date: 08/20/2012 15:38

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 08/20/2012 16:55

Lab File ID: R09120000222.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	29273644	28860320		0.0246	0.0250	-1.4	15.0
gamma-BHC (Lindane)	Ave	24767254	24188800		0.0244	0.0250	-2.3	15.0
beta-BHC	Ave	10584093	9661240		0.0228	0.0250	-8.7	15.0
Heptachlor	Ave	18142578	17324120		0.0239	0.0250	-4.5	15.0
delta-BHC	Ave	21453106	19695280		0.0230	0.0250	-8.2	15.0
Aldrin	Ave	17196503	17516360		0.0255	0.0250	1.9	15.0
Heptachlor epoxide	Ave	13887328	13734680		0.0247	0.0250	-1.1	15.0
gamma-Chlordane	Ave	12689786	12484360		0.0246	0.0250	-1.6	15.0
alpha-Chlordane	Ave	11940688	11708840		0.0245	0.0250	-1.9	15.0
Endosulfan I	Ave	10837048	10710320		0.0247	0.0250	-1.2	15.0
4,4'-DDE	Ave	12195816	12621480		0.0259	0.0250	3.5	15.0
Dieldrin	Ave	11943157	12493680		0.0262	0.0250	4.6	15.0
Endrin	Ave	9967846	10340840		0.0259	0.0250	3.7	15.0
4,4'-DDD	Ave	11527335	12978480		0.0281	0.0250	12.6	15.0
Endosulfan II	Ave	11760981	12296600		0.0261	0.0250	4.6	15.0
4,4'-DDT	Ave	10099833	9727800		0.0241	0.0250	-3.7	15.0
Endrin aldehyde	Ave	9230104	10053800		0.0272	0.0250	8.9	15.0
Endosulfan sulfate	Ave	10500711	11170400		0.0266	0.0250	6.4	15.0
Methoxychlor	Ave	4979331	4733080		0.0238	0.0250	-4.9	15.0
Endrin ketone	Ave	11458833	12589440		0.0275	0.0250	9.9	15.0
Tetrachloro-m-xylene	Ave	22236433	21652400		0.0243	0.0250	-2.6	15.0
DCB Decachlorobiphenyl (Surr)	Ave	6835300	7166840		0.0262	0.0250	4.9	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCV 180-47297/92 Calibration Date: 09/05/2012 16:20

Instrument ID: GC15 Calib Start Date: 08/20/2012 15:38

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 08/20/2012 16:55

Lab File ID: R09120000222.D

Analyte	RT	RT WINDOW	
		TO	FROM
alpha-BHC	5.58	5.54	5.64
gamma-BHC (Lindane)	5.87	5.83	5.93
beta-BHC	6.10	6.05	6.15
Heptachlor	6.18	6.14	6.24
delta-BHC	6.32	6.28	6.38
Aldrin	6.44	6.40	6.50
Heptachlor epoxide	6.87	6.83	6.93
gamma-Chlordane	7.09	7.05	7.15
alpha-Chlordane	7.15	7.10	7.20
Endosulfan I	7.22	7.17	7.27
4,4'-DDE	7.28	7.23	7.33
Dieldrin	7.46	7.41	7.51
Endrin	7.72	7.67	7.77
4,4'-DDD	7.78	7.74	7.84
Endosulfan II	7.97	7.92	8.02
4,4'-DDT	8.02	7.97	8.07
Endrin aldehyde	8.14	8.09	8.19
Endosulfan sulfate	8.36	8.31	8.41
Methoxychlor	8.59	8.54	8.64
Endrin ketone	8.98	8.93	9.03
Tetrachloro-m-xylene	5.14	5.09	5.19
DCB Decachlorobiphenyl (Surr)	10.65	10.60	10.70

Data File: \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\R09120000222.D
Report Date: 06-Sep-2012 07:04

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\R09120000222.D
Lab Smp Id: CCV 343058
Inj Date : 05-SEP-2012 16:20
Operator : 402331 Inst ID: gc15.i
Smp Info : CCV 343058,090412.b
Misc Info :
Comment : 8081 Analysis
Method : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\TPESTB2.m
Meth Date : 06-Sep-2012 07:04 oravecj Quant Type: ESTD
Cal Date : 20-AUG-2012 16:55 Cal File: R08120001192.D
Als bottle: 107 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PESTCAL.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 4 Tetrachloro-m-xylene	5.139	5.144	-0.005	541310	0.02500	0.02434(a)
6 alpha-BHC	5.584	5.589	-0.005	721508	0.02500	0.02465(a)
7 gamma-BHC (Lindane)	5.874	5.877	-0.003	604720	0.02500	0.02442(a)
10 beta-BHC	6.099	6.102	-0.003	241531	0.02500	0.02282(a)
11 Heptachlor	6.183	6.187	-0.004	433103	0.02500	0.02387(a)
13 delta-BHC	6.323	6.327	-0.004	492382	0.02500	0.02295(a)
17 Aldrin	6.442	6.446	-0.004	437909	0.02500	0.02546(a)
21 Heptachlor epoxide	6.874	6.878	-0.004	343367	0.02500	0.02472(a)
24 gamma-Chlordane	7.092	7.095	-0.003	312109	0.02500	0.02460(a)
25 alpha-Chlordane	7.150	7.154	-0.004	292721	0.02500	0.02451(a)
26 Endosulfan I	7.219	7.222	-0.003	267758	0.02500	0.02471(a)
27 4,4'-DDE	7.279	7.282	-0.003	315537	0.02500	0.02587(a)
28 Dieldrin	7.456	7.460	-0.004	312342	0.02500	0.02615(a)
29 Endrin	7.716	7.719	-0.003	258521	0.02500	0.02594(a)
30 4,4'-DDD	7.782	7.786	-0.004	324462	0.02500	0.02815(a)
32 Endosulfan II	7.971	7.973	-0.002	307415	0.02500	0.02614(a)
33 4,4'-DDT	8.020	8.023	-0.003	243195	0.02500	0.02408(a)
34 Endrin aldehyde	8.137	8.139	-0.002	251345	0.02500	0.02723(a)
35 Endosulfan sulfate	8.357	8.360	-0.003	279260	0.02500	0.02659(a)
36 Methoxychlor	8.590	8.593	-0.003	118327	0.02500	0.02376(a)
38 Endrin ketone	8.977	8.980	-0.003	314736	0.02500	0.02747(a)

Data File: \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\R09120000222.D
Report Date: 06-Sep-2012 07:04

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 39 DCB Decachlorobiphenyl (Surr)	10.651	10.654	-0.003	179171	0.02500	0.02621

QC Flag Legend

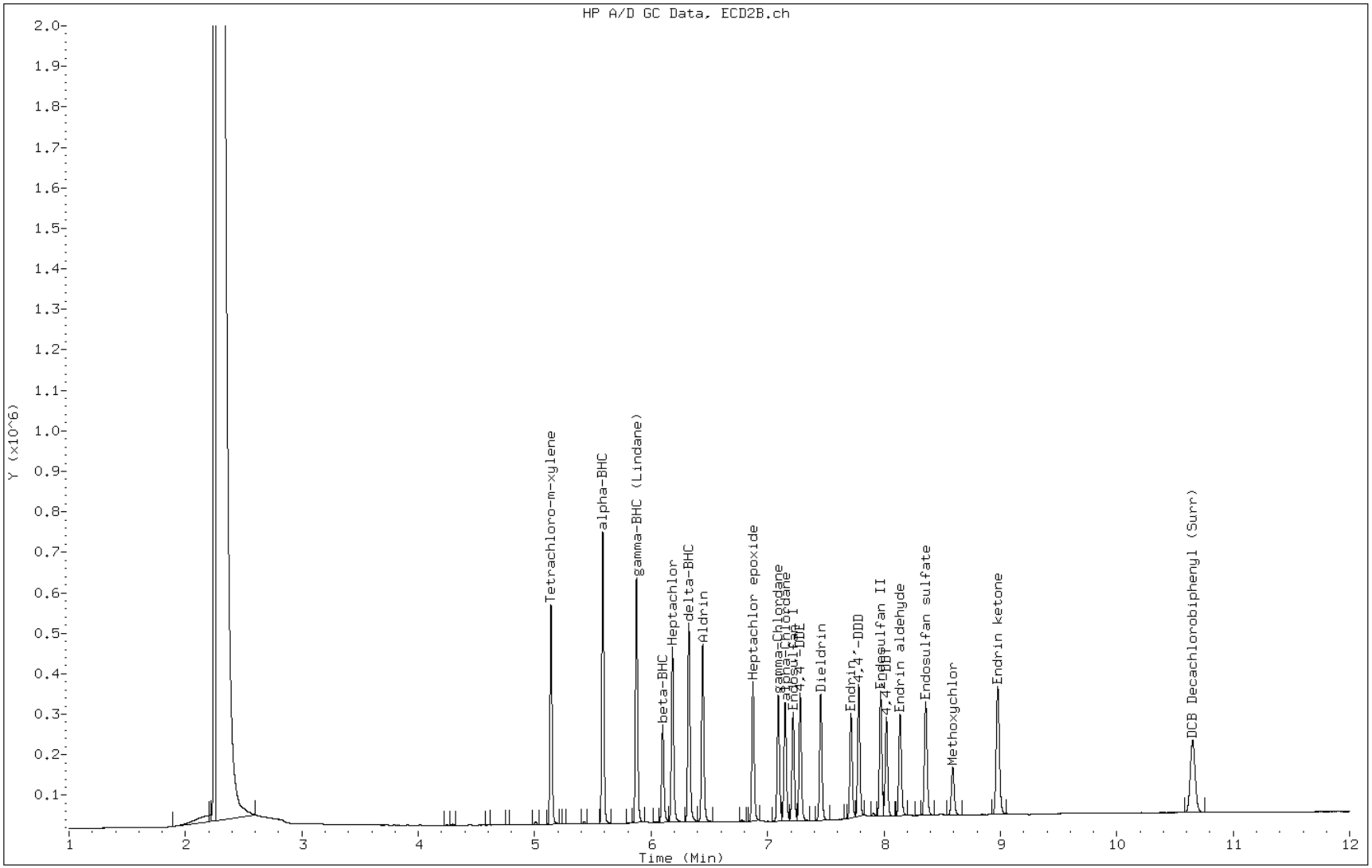
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: R09120000222.D

Date: 05-SEP-2012 16:20

Client ID: Instrument: gc15.i

Sample Info: CCV 343058,090412.b Operator: 402331



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCV 180-47297/113 Calibration Date: 09/05/2012 22:05

Instrument ID: GC15 Calib Start Date: 08/20/2012 15:38

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 08/20/2012 16:55

Lab File ID: Q09120000244.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	74594872	73624240		0.0247	0.0250	-1.3	15.0
gamma-BHC (Lindane)	Ave	64567230	62234560		0.0241	0.0250	-3.6	15.0
beta-BHC	Ave	26396448	23754280		0.0225	0.0250	-10.0	15.0
delta-BHC	Ave	58381187	51595480		0.0221	0.0250	-11.6	15.0
Heptachlor	Ave	51086964	46679320		0.0228	0.0250	-8.6	15.0
Aldrin	Ave	48248005	51753040		0.0268	0.0250	7.3	15.0
Heptachlor epoxide	Ave	42864842	44345720		0.0259	0.0250	3.5	15.0
gamma-Chlordane	Ave	43946712	45856720		0.0261	0.0250	4.3	15.0
alpha-Chlordane	Ave	41742260	43943320		0.0263	0.0250	5.3	15.0
Endosulfan I	Ave	37816175	40552600		0.0268	0.0250	7.2	15.0
4,4'-DDE	Ave	41660674	42411320		0.0255	0.0250	1.8	15.0
Dieldrin	Ave	41780465	43925840		0.0263	0.0250	5.1	15.0
Endrin	Ave	35154939	36794360		0.0262	0.0250	4.7	15.0
4,4'-DDD	Ave	34649629	36181800		0.0261	0.0250	4.4	15.0
Endosulfan II	Ave	33914607	36267000		0.0267	0.0250	6.9	15.0
Endrin aldehyde	Ave	26681038	27645080		0.0259	0.0250	3.6	15.0
4,4'-DDT	Ave	31841669	21276440		0.0167	0.0250	-33.2*	15.0
Endosulfan sulfate	Ave	29633340	28996000		0.0245	0.0250	-2.2	15.0
Methoxychlor	Ave	14334223	9935680		0.0173	0.0250	-30.7*	15.0
Endrin ketone	Ave	34316353	32999760		0.0240	0.0250	-3.8	15.0
Tetrachloro-m-xylene	Ave	53101403	54258840		0.0255	0.0250	2.2	15.0
DCB Decachlorobiphenyl (Surr)	Ave	15045618	16285760		0.0271	0.0250	8.2	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCV 180-47297/113 Calibration Date: 09/05/2012 22:05

Instrument ID: GC15 Calib Start Date: 08/20/2012 15:38

GC Column: MR-1 ID: 0.53(mm) Calib End Date: 08/20/2012 16:55

Lab File ID: Q09120000244.D

Analyte	RT	RT WINDOW	
		TO	FROM
alpha-BHC	4.72	4.69	4.75
gamma-BHC (Lindane)	4.98	4.95	5.01
beta-BHC	5.14	5.11	5.17
delta-BHC	5.32	5.30	5.36
Heptachlor	5.44	5.41	5.47
Aldrin	5.71	5.68	5.74
Heptachlor epoxide	6.06	6.03	6.09
gamma-Chlordane	6.27	6.25	6.31
alpha-Chlordane	6.34	6.31	6.37
Endosulfan I	6.38	6.35	6.41
4,4'-DDE	6.50	6.47	6.53
Dieldrin	6.61	6.59	6.65
Endrin	6.81	6.78	6.84
4,4'-DDD	6.95	6.92	6.98
Endosulfan II	7.00	6.98	7.04
Endrin aldehyde	7.12	7.09	7.15
4,4'-DDT	7.23	7.20	7.26
Endosulfan sulfate	7.33	7.30	7.36
Methoxychlor	7.67	7.64	7.70
Endrin ketone	7.75	7.73	7.79
Tetrachloro-m-xylene	4.37	4.34	4.40
DCB Decachlorobiphenyl (Surr)	9.24	9.20	9.30

Data File: \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\Q09120000244.D
Report Date: 06-Sep-2012 06:07

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\Q09120000244.D
Lab Smp Id: CCV 343058
Inj Date : 05-SEP-2012 22:05
Operator : 402331 Inst ID: gc15.i
Smp Info : CCV 343058,090412.b
Misc Info :
Comment : 8081 analysis
Method : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\TPESTA1.m
Meth Date : 06-Sep-2012 06:07 oravecj Quant Type: ESTD
Cal Date : 20-AUG-2012 16:55 Cal File: Q08120001192.D
Als bottle: 129 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PESTCAL.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 4 Tetrachloro-m-xylene	4.371	4.373	-0.002	1356471	0.02500	0.02554
6 alpha-BHC	4.721	4.723	-0.002	1840606	0.02500	0.02467
7 gamma-BHC (Lindane)	4.976	4.978	-0.002	1555864	0.02500	0.02410
8 beta-BHC	5.136	5.138	-0.002	593857	0.02500	0.02250
11 delta-BHC	5.324	5.326	-0.002	1289887	0.02500	0.02209
12 Heptachlor	5.435	5.438	-0.003	1166983	0.02500	0.02284
17 Aldrin	5.706	5.709	-0.003	1293826	0.02500	0.02682
20 Heptachlor epoxide	6.057	6.060	-0.003	1108643	0.02500	0.02586
24 gamma-Chlordane	6.273	6.275	-0.002	1146418	0.02500	0.02609
25 alpha-Chlordane	6.339	6.342	-0.003	1098583	0.02500	0.02632
26 Endosulfan I	6.377	6.380	-0.003	1013815	0.02500	0.02681
27 4,4'-DDE	6.500	6.504	-0.004	1060283	0.02500	0.02545
28 Dieldrin	6.612	6.616	-0.004	1098146	0.02500	0.02628
30 Endrin	6.808	6.810	-0.002	919859	0.02500	0.02616
31 4,4'-DDD	6.950	6.953	-0.003	904545	0.02500	0.02610
32 Endosulfan II	7.004	7.006	-0.002	906675	0.02500	0.02673
33 Endrin aldehyde	7.118	7.121	-0.003	691127	0.02500	0.02590
34 4,4'-DDT	7.226	7.229	-0.003	531911	0.02500	0.01670
35 Endosulfan sulfate	7.327	7.331	-0.004	724900	0.02500	0.02446
36 Methoxychlor	7.667	7.671	-0.004	248392	0.02500	0.01733
37 Endrin ketone	7.753	7.756	-0.003	824994	0.02500	0.02404

Data File: \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\Q09120000244.D
Report Date: 06-Sep-2012 06:07

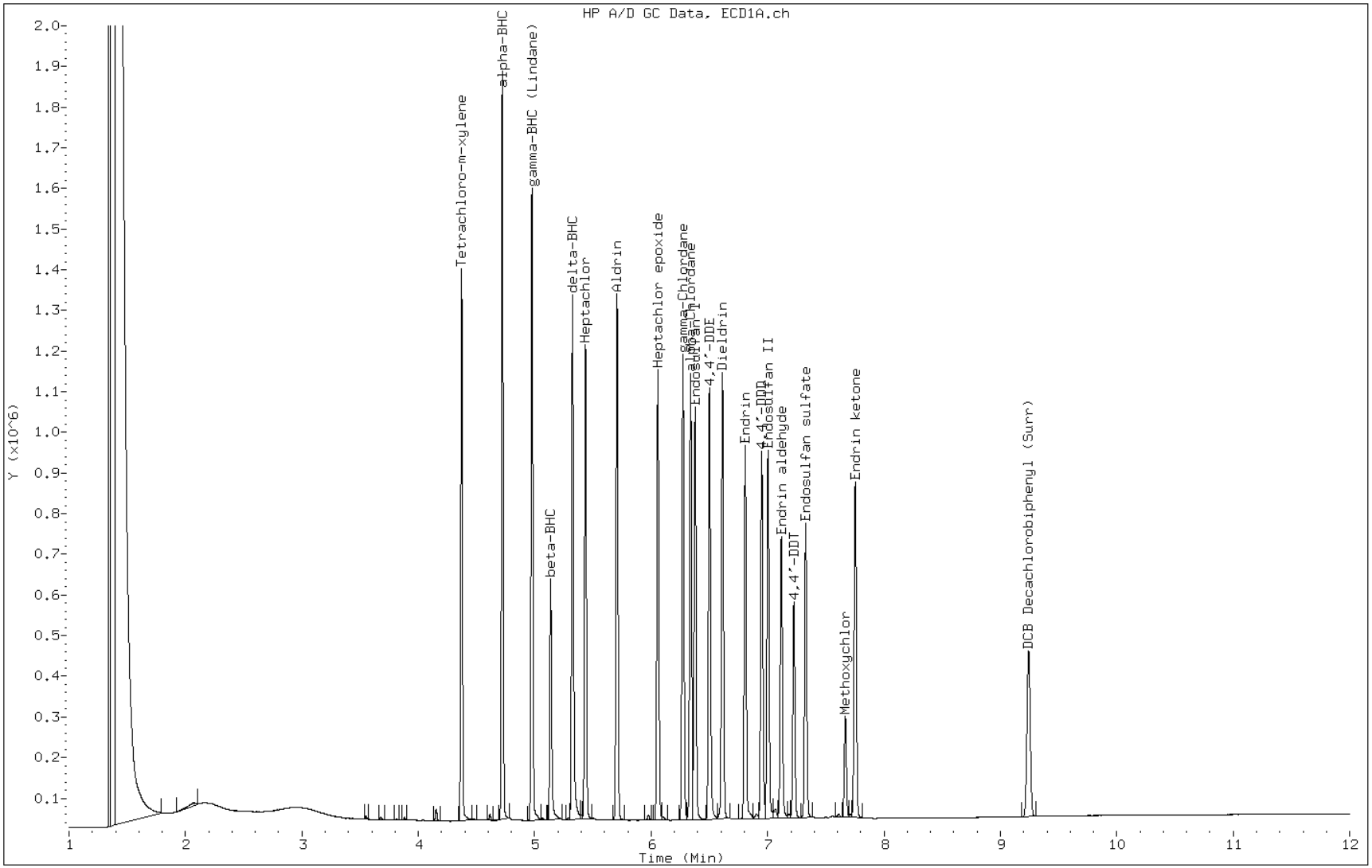
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 39 DCB Decachlorobiphenyl (Surr)	9.242	9.248	-0.006	407144	0.02500	0.02706

Data File: Q09120000244.D

Date: 05-SEP-2012 22:05

Client ID: Instrument: gc15.i

Sample Info: CCV 343058,090412.b Operator: 402331



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCV 180-47297/113 Calibration Date: 09/05/2012 22:05

Instrument ID: GC15 Calib Start Date: 08/20/2012 15:38

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 08/20/2012 16:55

Lab File ID: R09120000244.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	29273644	28181360		0.0241	0.0250	-3.7	15.0
gamma-BHC (Lindane)	Ave	24767254	23410160		0.0236	0.0250	-5.5	15.0
beta-BHC	Ave	10584093	9694520		0.0229	0.0250	-8.4	15.0
Heptachlor	Ave	18142578	15639520		0.0216	0.0250	-13.8	15.0
delta-BHC	Ave	21453106	19994680		0.0233	0.0250	-6.8	15.0
Aldrin	Ave	17196503	17247680		0.0251	0.0250	0.3	15.0
Heptachlor epoxide	Ave	13887328	13860640		0.0250	0.0250	-0.2	15.0
gamma-Chlordane	Ave	12689786	12283360		0.0242	0.0250	-3.2	15.0
alpha-Chlordane	Ave	11940688	11842520		0.0248	0.0250	-0.8	15.0
Endosulfan I	Ave	10837048	10737520		0.0248	0.0250	-0.9	15.0
4,4'-DDE	Ave	12195816	12597720		0.0258	0.0250	3.3	15.0
Dieldrin	Ave	11943157	12464200		0.0261	0.0250	4.4	15.0
Endrin	Ave	9967846	10240160		0.0257	0.0250	2.7	15.0
4,4'-DDD	Ave	11527335	13341320		0.0289	0.0250	15.7*	15.0
Endosulfan II	Ave	11760981	12476160		0.0265	0.0250	6.1	15.0
4,4'-DDT	Ave	10099833	6044360		0.0150	0.0250	-40.2*	15.0
Endrin aldehyde	Ave	9230104	9871720		0.0267	0.0250	7.0	15.0
Endosulfan sulfate	Ave	10500711	11107160		0.0264	0.0250	5.8	15.0
Methoxychlor	Ave	4979331	3274960		0.0164	0.0250	-34.2*	15.0
Endrin ketone	Ave	11458833	11165160		0.0244	0.0250	-2.6	15.0
Tetrachloro-m-xylene	Ave	22236433	21239840		0.0239	0.0250	-4.5	15.0
DCB Decachlorobiphenyl (Surr)	Ave	6835300	7131040		0.0261	0.0250	4.3	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCV 180-47297/113 Calibration Date: 09/05/2012 22:05

Instrument ID: GC15 Calib Start Date: 08/20/2012 15:38

GC Column: MR-2 ID: 0.53(mm) Calib End Date: 08/20/2012 16:55

Lab File ID: R09120000244.D

Analyte	RT	RT WINDOW	
		TO	FROM
alpha-BHC	5.58	5.54	5.64
gamma-BHC (Lindane)	5.87	5.83	5.93
beta-BHC	6.10	6.05	6.15
Heptachlor	6.18	6.14	6.24
delta-BHC	6.32	6.28	6.38
Aldrin	6.44	6.40	6.50
Heptachlor epoxide	6.87	6.83	6.93
gamma-Chlordane	7.09	7.05	7.15
alpha-Chlordane	7.15	7.10	7.20
Endosulfan I	7.22	7.17	7.27
4,4'-DDE	7.28	7.23	7.33
Dieldrin	7.45	7.41	7.51
Endrin	7.71	7.67	7.77
4,4'-DDD	7.78	7.74	7.84
Endosulfan II	7.97	7.92	8.02
4,4'-DDT	8.02	7.97	8.07
Endrin aldehyde	8.13	8.09	8.19
Endosulfan sulfate	8.35	8.31	8.41
Methoxychlor	8.59	8.54	8.64
Endrin ketone	8.97	8.93	9.03
Tetrachloro-m-xylene	5.14	5.09	5.19
DCB Decachlorobiphenyl (Surr)	10.64	10.60	10.70

Data File: \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\R09120000244.D
Report Date: 06-Sep-2012 07:05

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\R09120000244.D
Lab Smp Id: CCV 343058
Inj Date : 05-SEP-2012 22:05
Operator : 402331 Inst ID: gc15.i
Smp Info : CCV 343058,090412.b
Misc Info :
Comment : 8081 Analysis
Method : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\TPESTB2.m
Meth Date : 06-Sep-2012 07:05 oravecj Quant Type: ESTD
Cal Date : 20-AUG-2012 16:55 Cal File: R08120001192.D
Als bottle: 129 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PESTCAL.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 4 Tetrachloro-m-xylene	5.139	5.144	-0.005	530996	0.02500	0.02388(a)
6 alpha-BHC	5.584	5.589	-0.005	704534	0.02500	0.02407(a)
7 gamma-BHC (Lindane)	5.872	5.877	-0.005	585254	0.02500	0.02363(a)
10 beta-BHC	6.097	6.102	-0.005	242363	0.02500	0.02290(a)
11 Heptachlor	6.182	6.187	-0.005	390988	0.02500	0.02155(a)
13 delta-BHC	6.321	6.327	-0.006	499867	0.02500	0.02330(a)
17 Aldrin	6.441	6.446	-0.005	431192	0.02500	0.02507(a)
21 Heptachlor epoxide	6.872	6.878	-0.006	346516	0.02500	0.02495(a)
24 gamma-Chlordane	7.089	7.095	-0.006	307084	0.02500	0.02420(a)
25 alpha-Chlordane	7.147	7.154	-0.007	296063	0.02500	0.02479(a)
26 Endosulfan I	7.216	7.222	-0.006	268438	0.02500	0.02477(a)
27 4,4'-DDE	7.277	7.282	-0.005	314943	0.02500	0.02582(a)
28 Dieldrin	7.454	7.460	-0.006	311605	0.02500	0.02609(a)
29 Endrin	7.713	7.719	-0.006	256004	0.02500	0.02568(a)
30 4,4'-DDD	7.780	7.786	-0.006	333533	0.02500	0.02893(a)
32 Endosulfan II	7.968	7.973	-0.005	311904	0.02500	0.02652(a)
33 4,4'-DDT	8.017	8.023	-0.006	151109	0.02500	0.01496(a)
34 Endrin aldehyde	8.134	8.139	-0.005	246793	0.02500	0.02674(a)
35 Endosulfan sulfate	8.354	8.360	-0.006	277679	0.02500	0.02644(a)
36 Methoxychlor	8.586	8.593	-0.007	81874	0.02500	0.01644(a)
38 Endrin ketone	8.973	8.980	-0.007	279129	0.02500	0.02436(a)

Data File: \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\R09120000244.D
Report Date: 06-Sep-2012 07:05

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 39 DCB Decachlorobiphenyl (Surr)	10.643	10.654	-0.011	178276	0.02500	0.02608

QC Flag Legend

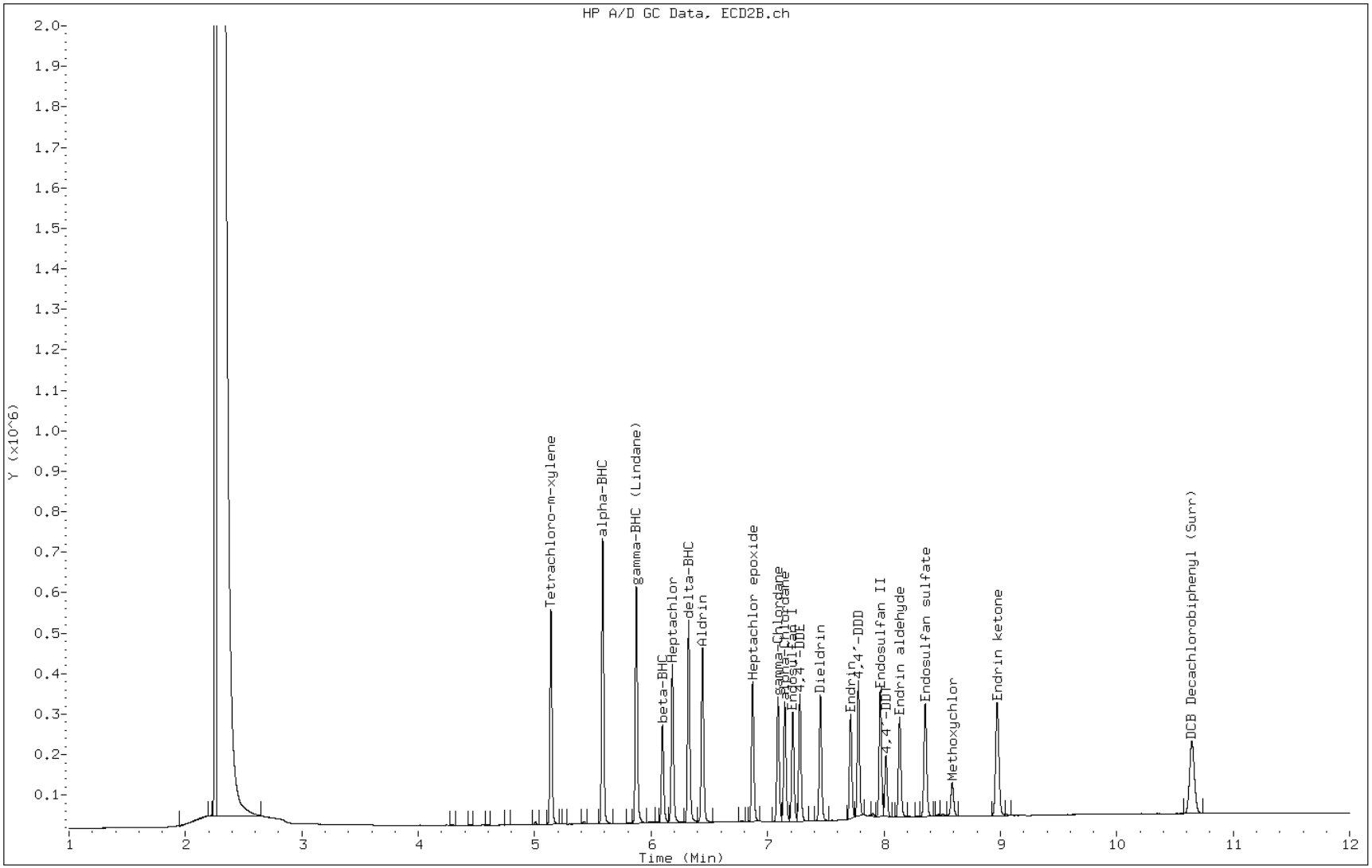
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: R09120000244.D

Date: 05-SEP-2012 22:05

Client ID: Instrument: gc15.i

Sample Info: CCV 343058,090412.b Operator: 402331



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 180-45667/1-A
Matrix: Water
Lab File ID: Q09120000240.D
Analysis Method: 8081A
Date Collected:
Extraction Method: 3510C
Date Extracted: 08/20/2012 13:55
Sample wt/vol: 1000(mL)
Date Analyzed: 09/05/2012 21:02
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: MR-1 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 47297
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	ND		0.0013	0.00083
319-84-6	alpha-BHC	ND		0.0013	0.00066
319-85-7	beta-BHC	ND		0.0013	0.0010
319-86-8	delta-BHC	ND		0.0013	0.00038
58-89-9	gamma-BHC (Lindane)	ND		0.0013	0.00080
5103-71-9	alpha-Chlordane	ND		0.0013	0.00098
5103-74-2	gamma-Chlordane	ND		0.0013	0.00096
72-54-8	4,4'-DDD	ND		0.0013	0.00067
72-55-9	4,4'-DDE	ND		0.0013	0.00079
50-29-3	4,4'-DDT	ND		0.0013	0.00074
60-57-1	Dieldrin	ND		0.0013	0.00082
959-98-8	Endosulfan I	ND		0.0013	0.00094
33213-65-9	Endosulfan II	ND		0.0013	0.00098
1031-07-8	Endosulfan sulfate	ND		0.0013	0.00057
72-20-8	Endrin	ND		0.0013	0.00096
7421-93-4	Endrin aldehyde	ND		0.0013	0.00090
53494-70-5	Endrin ketone	ND		0.0013	0.00092
76-44-8	Heptachlor	ND		0.0013	0.00099
1024-57-3	Heptachlor epoxide	ND		0.0013	0.00097
72-43-5	Methoxychlor	ND		0.0025	0.00091
8001-35-2	Toxaphene	ND		0.10	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	72		60-111
2051-24-3	DCB Decachlorobiphenyl (Surr)	74		56-122

Data File: \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\Q09120000240.D
Report Date: 06-Sep-2012 06:07

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\Q09120000240.D
Lab Smp Id: mb 180-45667/1-a
Inj Date : 05-SEP-2012 21:02
Operator : 402331 Inst ID: gc15.i
Smp Info : mb 180-45667/1-a,090412.b
Misc Info :
Comment : 8081 analysis
Method : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\TPESTA1.m
Meth Date : 06-Sep-2012 06:05 oravecj Quant Type: ESTD
Cal Date : 20-AUG-2012 16:55 Cal File: Q08120001192.D
Als bottle: 125
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEST.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.371	4.373	-0.002	768138	0.01447	0.01446(a)
6 alpha-BHC	Compound Not Detected.					
7 gamma-BHC (Lindane)	Compound Not Detected.					
8 beta-BHC	Compound Not Detected.					
9 Chlordane	Compound Not Detected.					
11 delta-BHC	5.328	5.326	0.002	12640	2e-004	0.0002165(a)
12 Heptachlor	Compound Not Detected.					
17 Aldrin	Compound Not Detected.					
20 Heptachlor epoxide	Compound Not Detected.					
24 gamma-Chlordane	Compound Not Detected.					
25 alpha-Chlordane	Compound Not Detected.					
26 Endosulfan I	Compound Not Detected.					
27 4,4'-DDE	Compound Not Detected.					
28 Dieldrin	Compound Not Detected.					
29 Toxaphene	Compound Not Detected.					
30 Endrin	Compound Not Detected.					
31 4,4'-DDD	Compound Not Detected.					
32 Endosulfan II	Compound Not Detected.					
33 Endrin aldehyde	Compound Not Detected.					
34 4,4'-DDT	Compound Not Detected.					
35 Endosulfan sulfate	Compound Not Detected.					

Data File: \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\Q09120000240.D
Report Date: 06-Sep-2012 06:07

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
36 Methoxychlor	Compound Not Detected.					
37 Endrin ketone	Compound Not Detected.					
$ 39 DCB Decachlorobiphenyl (Surr)	9.242	9.248	-0.006	222822	0.01481	0.01481(aR)

QC Flag Legend

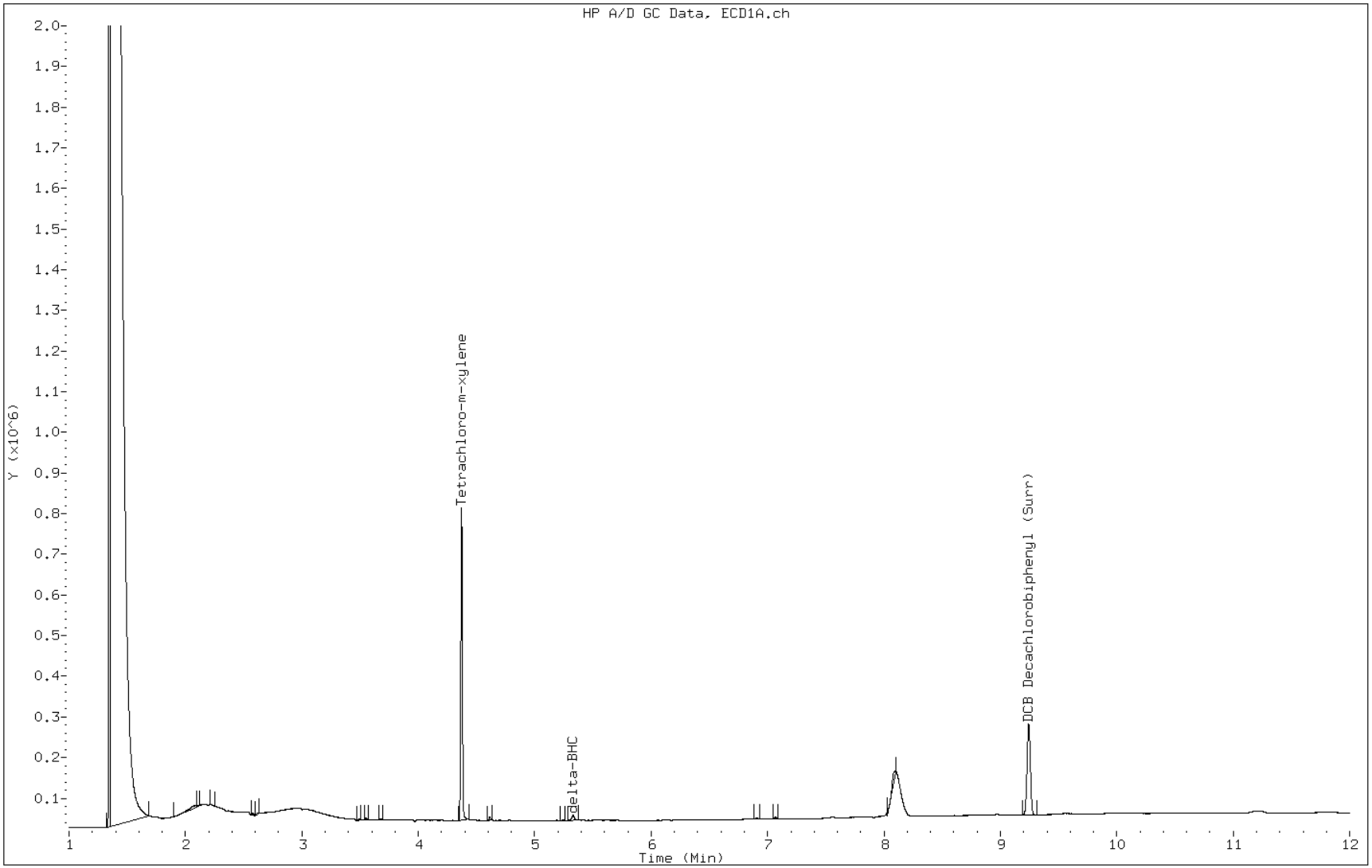
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: Q09120000240.D

Date: 05-SEP-2012 21:02

Client ID: Instrument: gc15.i

Sample Info: mb 180-45667/1-a,090412.b Operator: 402331



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 180-45667/1-A
Matrix: Water
Lab File ID: R09120000240.D
Analysis Method: 8081A
Date Collected:
Extraction Method: 3510C
Date Extracted: 08/20/2012 13:55
Sample wt/vol: 1000(mL)
Date Analyzed: 09/05/2012 21:02
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: MR-2 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 47297
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	66		60-111
2051-24-3	DCB Decachlorobiphenyl (Surr)	69		56-122

Data File: \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\R09120000240.D
Report Date: 06-Sep-2012 07:05

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\R09120000240.D
Lab Smp Id: mb 180-45667/1-a
Inj Date : 05-SEP-2012 21:02
Operator : 402331 Inst ID: gc15.i
Smp Info : mb 180-45667/1-a,090412.b
Misc Info :
Comment : 8081 Analysis
Method : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\TPESTB2.m
Meth Date : 06-Sep-2012 07:04 oravecj Quant Type: ESTD
Cal Date : 20-AUG-2012 16:55 Cal File: R08120001192.D
Als bottle: 125
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEST.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	5.135	5.144	-0.009	294688	0.01325	0.01325(a)
6 alpha-BHC	Compound Not Detected.					
7 gamma-BHC (Lindane)	5.867	5.877	-0.010	1514	6e-005	0.00006113(a)
8 Chlordane	Compound Not Detected.					
10 beta-BHC	Compound Not Detected.					
11 Heptachlor	6.157	6.187	-0.030	9714	5e-004	0.0005354(a)
13 delta-BHC	Compound Not Detected.					
17 Aldrin	Compound Not Detected.					
21 Heptachlor epoxide	Compound Not Detected.					
24 gamma-Chlordane	Compound Not Detected.					
25 alpha-Chlordane	Compound Not Detected.					
26 Endosulfan I	Compound Not Detected.					
27 4,4'-DDE	Compound Not Detected.					
28 Dieldrin	Compound Not Detected.					
31 Toxaphene	Compound Not Detected.					
29 Endrin	Compound Not Detected.					
30 4,4'-DDD	Compound Not Detected.					
32 Endosulfan II	Compound Not Detected.					
33 4,4'-DDT	Compound Not Detected.					
34 Endrin aldehyde	Compound Not Detected.					
35 Endosulfan sulfate	Compound Not Detected.					

Data File: \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\R09120000240.D
Report Date: 06-Sep-2012 07:05

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
36 Methoxychlor	Compound Not Detected.					
38 Endrin ketone	Compound Not Detected.					
$ 39 DCB Decachlorobiphenyl (Surr)	10.643	10.654	-0.011	93740	0.01371	0.01371(R)

QC Flag Legend

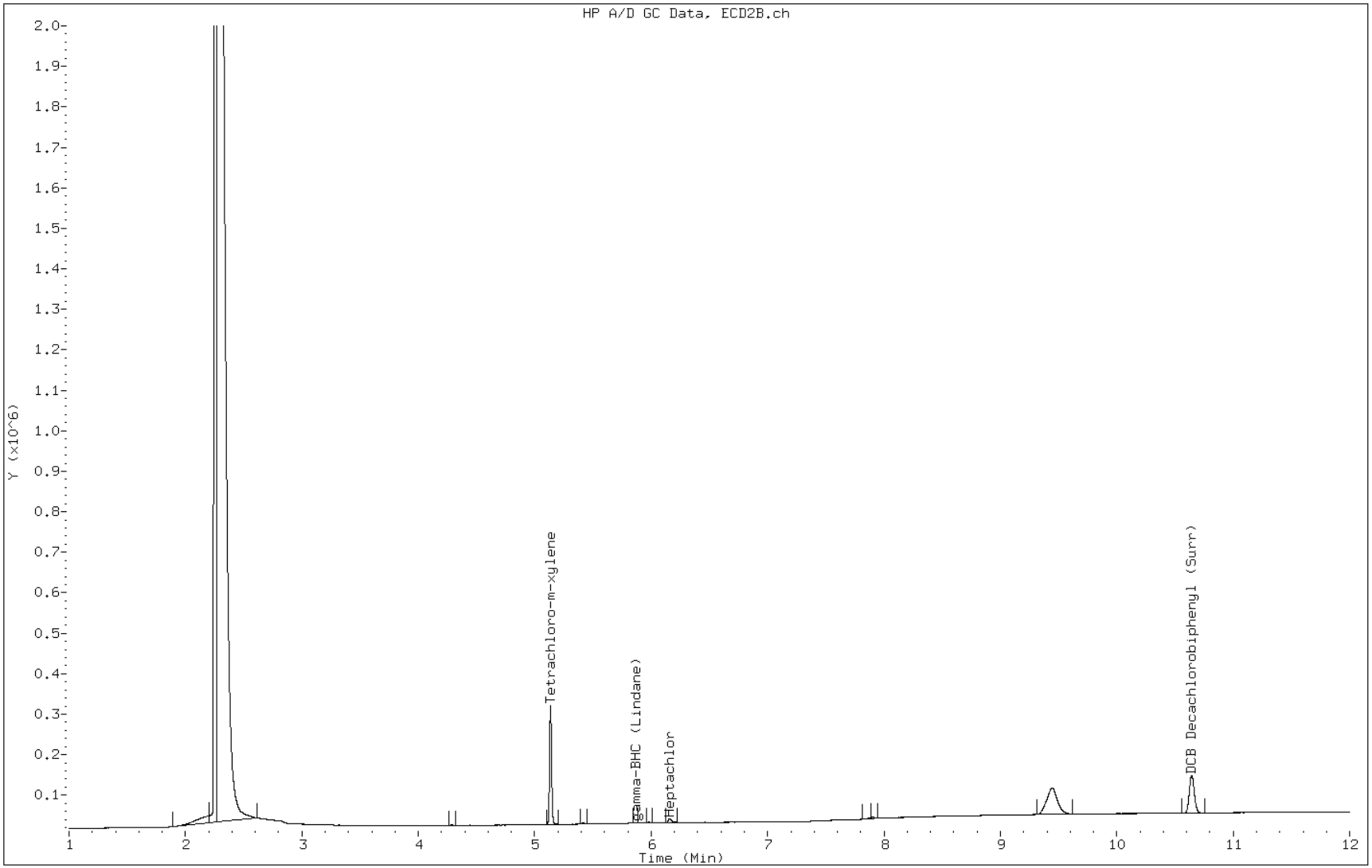
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: R09120000240.D

Date: 05-SEP-2012 21:02

Client ID: Instrument: gc15.i

Sample Info: mb 180-45667/1-a,090412.b Operator: 402331



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 180-45667/2-A
Matrix: Water
Lab File ID: Q09120000241.D
Analysis Method: 8081A
Date Collected:
Extraction Method: 3510C
Date Extracted: 08/20/2012 13:55
Sample wt/vol: 1000(mL)
Date Analyzed: 09/05/2012 21:18
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: MR-1 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 47297
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	0.0206		0.0013	0.00083
319-84-6	alpha-BHC	0.0195		0.0013	0.00066
319-85-7	beta-BHC	0.0171		0.0013	0.0010
319-86-8	delta-BHC	0.0164		0.0013	0.00038
58-89-9	gamma-BHC (Lindane)	0.0183		0.0013	0.00080
5103-71-9	alpha-Chlordane	0.0194		0.0013	0.00098
5103-74-2	gamma-Chlordane	0.0195		0.0013	0.00096
72-54-8	4,4'-DDD	0.0174		0.0013	0.00067
72-55-9	4,4'-DDE	0.0185		0.0013	0.00079
50-29-3	4,4'-DDT	0.0127		0.0013	0.00074
60-57-1	Dieldrin	0.0197		0.0013	0.00082
959-98-8	Endosulfan I	0.0193		0.0013	0.00094
33213-65-9	Endosulfan II	0.0165		0.0013	0.00098
1031-07-8	Endosulfan sulfate	0.0178		0.0013	0.00057
72-20-8	Endrin	0.0195		0.0013	0.00096
7421-93-4	Endrin aldehyde	0.0204		0.0013	0.00090
53494-70-5	Endrin ketone	0.0188		0.0013	0.00092
76-44-8	Heptachlor	0.0184		0.0013	0.00099
1024-57-3	Heptachlor epoxide	0.0202		0.0013	0.00097
72-43-5	Methoxychlor	0.0136		0.0025	0.00091
8001-35-2	Toxaphene	ND		0.10	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	72		60-111
2051-24-3	DCB Decachlorobiphenyl (Surr)	77		56-122

Data File: \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\Q09120000241.D
Report Date: 06-Sep-2012 06:11

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\Q09120000241.D
Lab Smp Id: lcs 180-45667/2-a
Inj Date : 05-SEP-2012 21:18
Operator : 402331 Inst ID: gc15.i
Smp Info : lcs 180-45667/2-a,090412.b
Misc Info :
Comment : 8081 analysis
Method : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\TPESTA1.m
Meth Date : 06-Sep-2012 06:08 oravecj Quant Type: ESTD
Cal Date : 20-AUG-2012 16:55 Cal File: Q08120001192.D
Als bottle: 126
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEST.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.372	4.373	-0.001	763211	0.01437	0.01437(a)
6 alpha-BHC	4.721	4.723	-0.002	1454207	0.01949	0.01949(a)
7 gamma-BHC (Lindane)	4.976	4.978	-0.002	1184199	0.01834	0.01834(a)
8 beta-BHC	5.136	5.138	-0.002	450902	0.01708	0.01708(a)
9 Chlordane	Compound Not Detected.					
11 delta-BHC	5.324	5.326	-0.002	955146	0.01636	0.01636(a)
12 Heptachlor	5.435	5.438	-0.003	942269	0.01844	0.01844(a)
17 Aldrin	5.706	5.709	-0.003	994500	0.02061	0.02061(a)
20 Heptachlor epoxide	6.057	6.060	-0.003	864848	0.02018	0.02018(a)
24 gamma-Chlordane	6.273	6.275	-0.002	858150	0.01953	0.01953(a)
25 alpha-Chlordane	6.339	6.342	-0.003	810131	0.01941	0.01941(a)
26 Endosulfan I	6.377	6.380	-0.003	731193	0.01934	0.01934(a)
27 4,4'-DDE	6.500	6.504	-0.004	770861	0.01850	0.01850(a)
28 Dieldrin	6.612	6.616	-0.004	824735	0.01974	0.01974(a)
29 Toxaphene	Compound Not Detected.					
30 Endrin	6.808	6.810	-0.002	685609	0.01950	0.01950(a)
31 4,4'-DDD	6.949	6.953	-0.004	601681	0.01736	0.01736(a)
32 Endosulfan II	7.003	7.006	-0.003	558834	0.01648	0.01648(a)
33 Endrin aldehyde	7.118	7.121	-0.003	545069	0.02043	0.02043(a)
34 4,4'-DDT	7.226	7.229	-0.003	403870	0.01268	0.01268(a)
35 Endosulfan sulfate	7.328	7.331	-0.003	526323	0.01776	0.01776(a)

Data File: \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\Q09120000241.D
Report Date: 06-Sep-2012 06:11

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
36 Methoxychlor	7.668	7.671	-0.003	194819	0.01359	0.01359(a)
37 Endrin ketone	7.752	7.756	-0.004	645370	0.01881	0.01881(a)
$ 39 DCB Decachlorobiphenyl (Surr)	9.243	9.248	-0.005	231699	0.01540	0.01540(aR)

QC Flag Legend

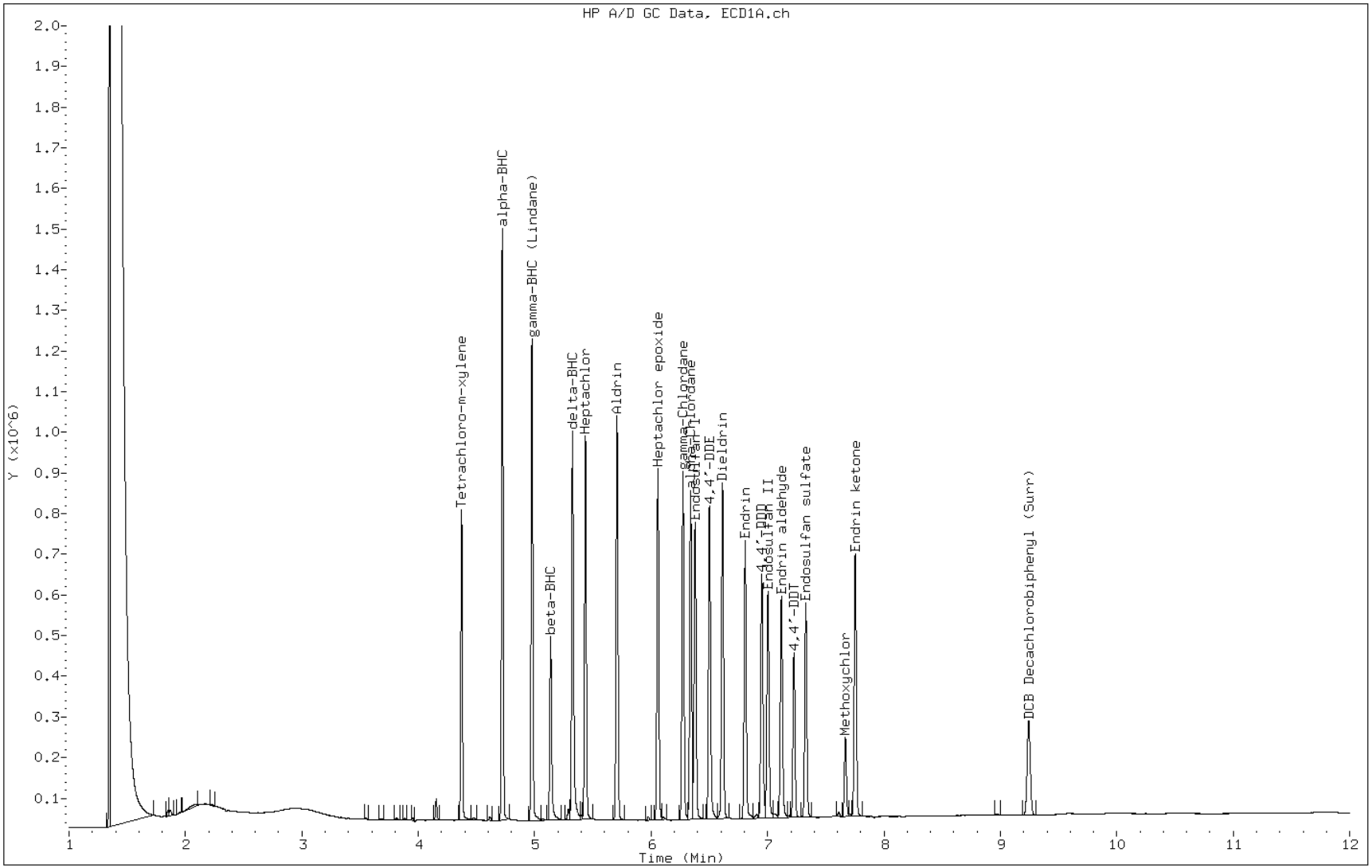
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: Q09120000241.D

Date: 05-SEP-2012 21:18

Client ID: Instrument: gc15.i

Sample Info: lcs 180-45667/2-a,090412.b Operator: 402331



FORM I

GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-13537-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 180-45667/2-A

Matrix: Water | Lab File ID: R09120000241.D

Analysis Method: 8081A | Date Collected:

Extraction Method: 3510C | Date Extracted: 08/20/2012 13:55

Sample wt/vol: 1000(mL) | Date Analyzed: 09/05/2012 21:18

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: MR-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 47297 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	65		60-111
2051-24-3	DCB Decachlorobiphenyl (Surr)	69		56-122

Data File: \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\R09120000241.D
Report Date: 06-Sep-2012 07:05

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\R09120000241.D
Lab Smp Id: lcs 180-45667/2-a
Inj Date : 05-SEP-2012 21:18
Operator : 402331 Inst ID: gc15.i
Smp Info : lcs 180-45667/2-a,090412.b
Misc Info :
Comment : 8081 Analysis
Method : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\TPESTB2.m
Meth Date : 06-Sep-2012 07:04 oravecj Quant Type: ESTD
Cal Date : 20-AUG-2012 16:55 Cal File: R08120001192.D
Als bottle: 126
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEST.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	5.137	5.144	-0.007	288996	0.01300	0.01300(a)
6 alpha-BHC	5.582	5.589	-0.007	542366	0.01853	0.01853(a)
7 gamma-BHC (Lindane)	5.871	5.877	-0.006	446660	0.01803	0.01803(a)
8 Chlordane	Compound Not Detected.					
10 beta-BHC	6.096	6.102	-0.006	195630	0.01848	0.01848(a)
11 Heptachlor	6.181	6.187	-0.006	314117	0.01731	0.01731(a)
13 delta-BHC	6.321	6.327	-0.006	367581	0.01713	0.01713(a)
17 Aldrin	6.440	6.446	-0.006	329897	0.01918	0.01918(a)
21 Heptachlor epoxide	6.871	6.878	-0.007	261427	0.01882	0.01882(a)
24 gamma-Chlordane	7.089	7.095	-0.006	228020	0.01797	0.01797(a)
25 alpha-Chlordane	7.147	7.154	-0.007	221327	0.01854	0.01854(a)
26 Endosulfan I	7.216	7.222	-0.006	194407	0.01794	0.01794(a)
27 4,4'-DDE	7.277	7.282	-0.005	228604	0.01874	0.01874(a)
28 Dieldrin	7.453	7.460	-0.007	230671	0.01931	0.01931(a)
31 Toxaphene	Compound Not Detected.					
29 Endrin	7.713	7.719	-0.006	195868	0.01965	0.01965(a)
30 4,4'-DDD	7.780	7.786	-0.006	241721	0.02097	0.02097(a)
32 Endosulfan II	7.968	7.973	-0.005	201345	0.01712	0.01712(a)
33 4,4'-DDT	8.017	8.023	-0.006	132376	0.01311	0.01311(a)
34 Endrin aldehyde	8.135	8.139	-0.004	194277	0.02105	0.02105(a)
35 Endosulfan sulfate	8.355	8.360	-0.005	204347	0.01946	0.01946(a)

Data File: \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\R09120000241.D
Report Date: 06-Sep-2012 07:05

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
36 Methoxychlor	8.587	8.593	-0.006	72166	0.01449	0.01449(a)
38 Endrin ketone	8.974	8.980	-0.006	214168	0.01869	0.01869(a)
$ 39 DCB Decachlorobiphenyl (Surr)	10.647	10.654	-0.007	94809	0.01387	0.01387(R)

QC Flag Legend

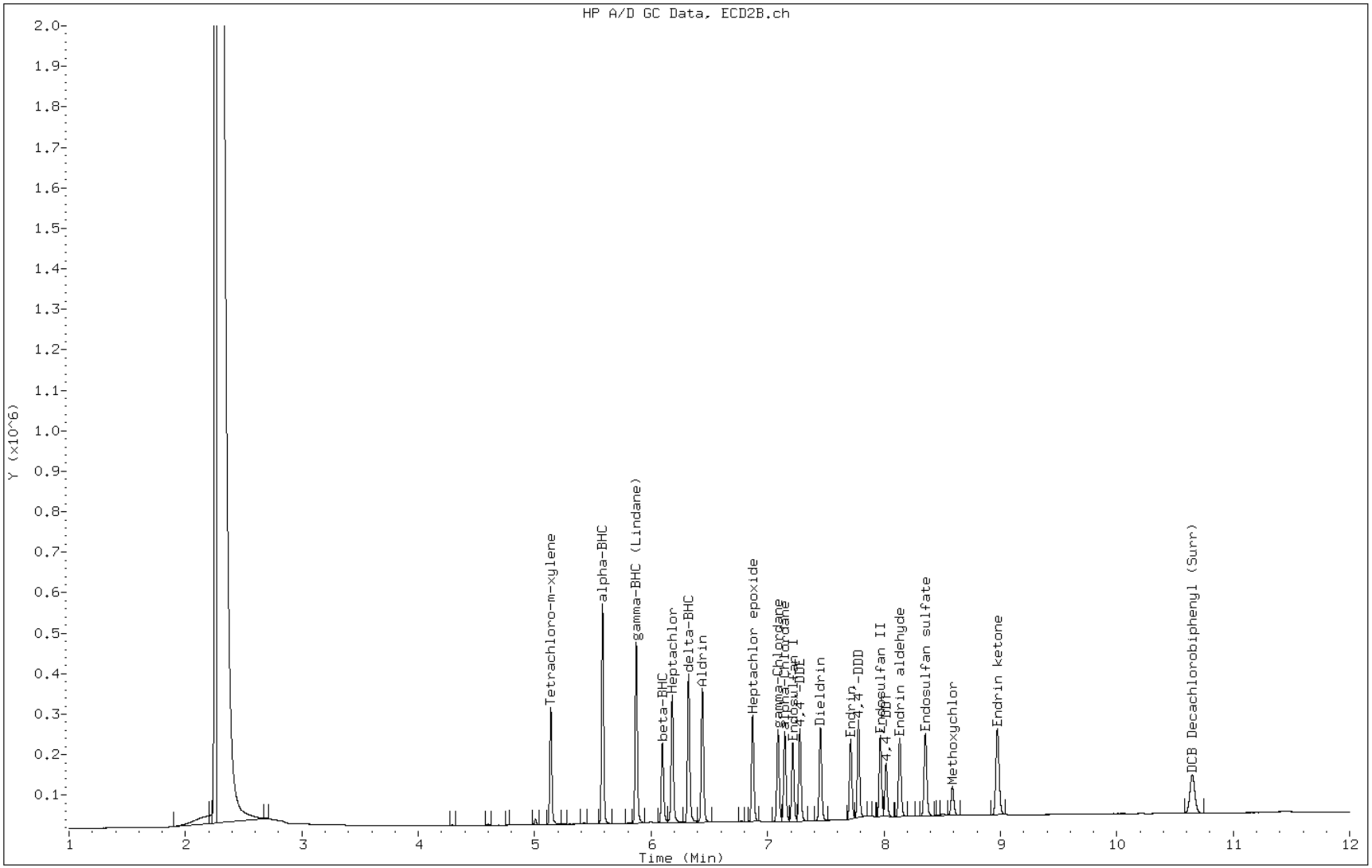
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: R09120000241.D

Date: 05-SEP-2012 21:18

Client ID: Instrument: gc15.i

Sample Info: lcs 180-45667/2-a,090412.b Operator: 402331



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh | Job No.: 180-13537-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 180-45667/3-A

Matrix: Water | Lab File ID: Q09120000242.D

Analysis Method: 8081A | Date Collected:

Extraction Method: 3510C | Date Extracted: 08/20/2012 13:55

Sample wt/vol: 1000(mL) | Date Analyzed: 09/05/2012 21:34

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: MR-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 47297 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	0.0204		0.0013	0.00083
319-84-6	alpha-BHC	0.0187		0.0013	0.00066
319-85-7	beta-BHC	0.0173		0.0013	0.0010
319-86-8	delta-BHC	0.0166		0.0013	0.00038
58-89-9	gamma-BHC (Lindane)	0.0186		0.0013	0.00080
5103-71-9	alpha-Chlordane	0.0193		0.0013	0.00098
5103-74-2	gamma-Chlordane	0.0192		0.0013	0.00096
72-54-8	4,4'-DDD	0.0174		0.0013	0.00067
72-55-9	4,4'-DDE	0.0185		0.0013	0.00079
50-29-3	4,4'-DDT	0.0170		0.0013	0.00074
60-57-1	Dieldrin	0.0197		0.0013	0.00082
959-98-8	Endosulfan I	0.0192		0.0013	0.00094
33213-65-9	Endosulfan II	0.0169		0.0013	0.00098
1031-07-8	Endosulfan sulfate	0.0178		0.0013	0.00057
72-20-8	Endrin	0.0195		0.0013	0.00096
7421-93-4	Endrin aldehyde	0.0195		0.0013	0.00090
53494-70-5	Endrin ketone	0.0193		0.0013	0.00092
76-44-8	Heptachlor	0.0193		0.0013	0.00099
1024-57-3	Heptachlor epoxide	0.0195		0.0013	0.00097
72-43-5	Methoxychlor	0.0172		0.0025	0.00091
8001-35-2	Toxaphene	ND		0.10	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	71		60-111
2051-24-3	DCB Decachlorobiphenyl (Surr)	77		56-122

Data File: \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\Q09120000242.D
Report Date: 06-Sep-2012 06:11

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\Q09120000242.D
Lab Smp Id: lcsd 180-45667/3-a
Inj Date : 05-SEP-2012 21:34
Operator : 402331 Inst ID: gc15.i
Smp Info : lcsd 180-45667/3-a,090412.b
Misc Info :
Comment : 8081 analysis
Method : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\TPESTA1.m
Meth Date : 06-Sep-2012 06:08 oravecj Quant Type: ESTD
Cal Date : 20-AUG-2012 16:55 Cal File: Q08120001192.D
Als bottle: 127
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEST.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	4.371	4.373	-0.002	754970	0.01422	0.01422(a)
6 alpha-BHC	4.721	4.723	-0.002	1392799	0.01867	0.01867(a)
7 gamma-BHC (Lindane)	4.976	4.978	-0.002	1200067	0.01859	0.01859(a)
8 beta-BHC	5.136	5.138	-0.002	457946	0.01735	0.01735(a)
9 Chlordane	Compound Not Detected.					
11 delta-BHC	5.324	5.326	-0.002	971821	0.01665	0.01665(a)
12 Heptachlor	5.435	5.438	-0.003	984910	0.01928	0.01928(a)
17 Aldrin	5.706	5.709	-0.003	982672	0.02037	0.02037(a)
20 Heptachlor epoxide	6.057	6.060	-0.003	834194	0.01946	0.01946(a)
24 gamma-Chlordane	6.272	6.275	-0.003	844128	0.01921	0.01921(a)
25 alpha-Chlordane	6.339	6.342	-0.003	803773	0.01926	0.01926(a)
26 Endosulfan I	6.377	6.380	-0.003	726073	0.01920	0.01920(a)
27 4,4'-DDE	6.501	6.504	-0.003	772387	0.01854	0.01854(a)
28 Dieldrin	6.613	6.616	-0.003	821134	0.01965	0.01965(a)
29 Toxaphene	Compound Not Detected.					
30 Endrin	6.807	6.810	-0.003	687193	0.01955	0.01955(a)
31 4,4'-DDD	6.949	6.953	-0.004	603029	0.01740	0.01740(a)
32 Endosulfan II	7.003	7.006	-0.003	573855	0.01692	0.01692(a)
33 Endrin aldehyde	7.118	7.121	-0.003	520544	0.01951	0.01951(a)
34 4,4'-DDT	7.226	7.229	-0.003	540105	0.01696	0.01696(a)
35 Endosulfan sulfate	7.328	7.331	-0.003	526176	0.01776	0.01776(a)

Data File: \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\Q09120000242.D
Report Date: 06-Sep-2012 06:11

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ng)
36 Methoxychlor	7.668	7.671	-0.003	247104	0.01724	0.01724(a)
37 Endrin ketone	7.753	7.756	-0.003	663276	0.01933	0.01933(a)
$ 39 DCB Decachlorobiphenyl (Surr)	9.241	9.248	-0.007	230748	0.01534	0.01534(aR)

QC Flag Legend

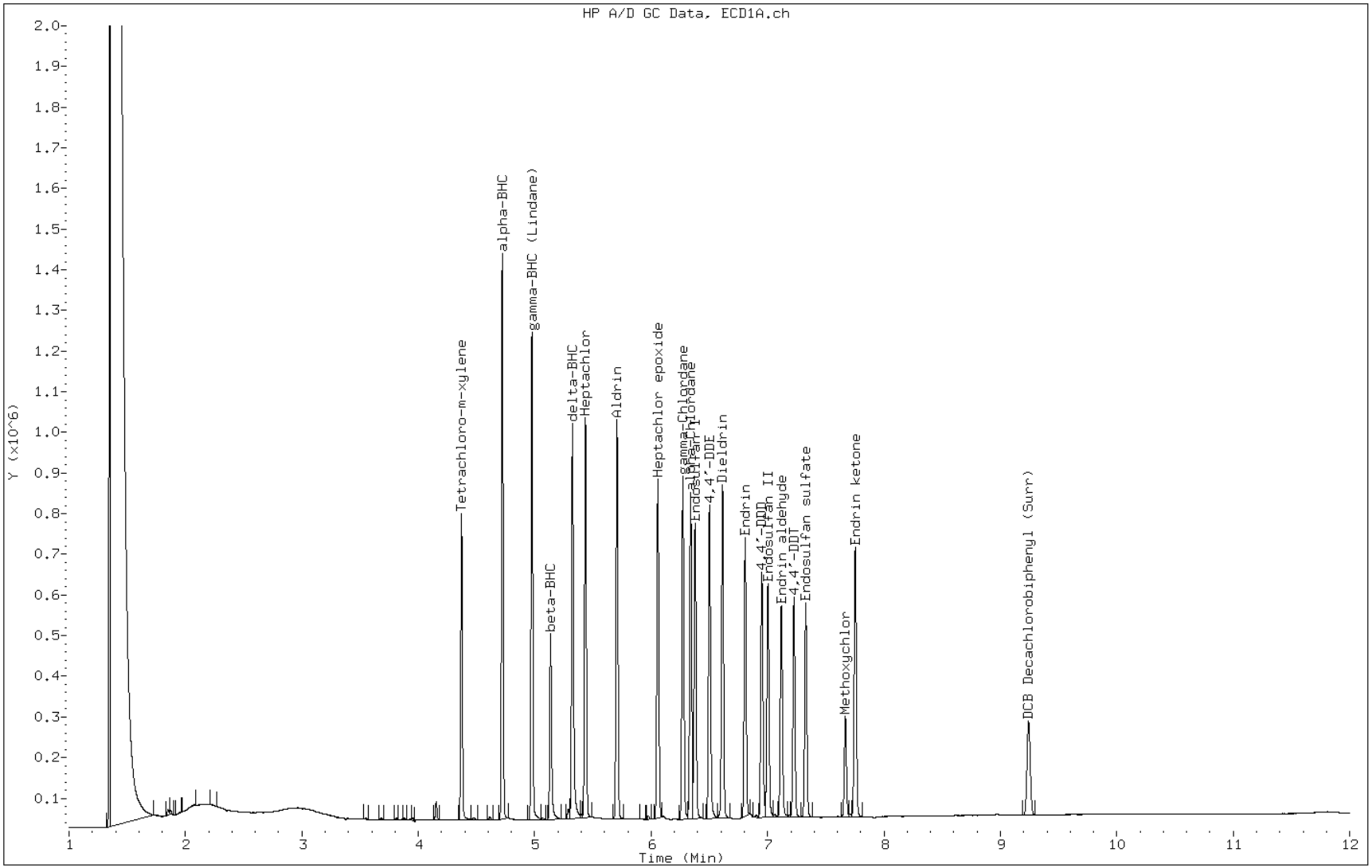
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: Q09120000242.D

Date: 05-SEP-2012 21:34

Client ID: Instrument: gc15.i

Sample Info: lcsd 180-45667/3-a,090412.b Operator: 402331



FORM I

GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 180-45667/3-A

Matrix: Water Lab File ID: R09120000242.D

Analysis Method: 8081A Date Collected:

Extraction Method: 3510C Date Extracted: 08/20/2012 13:55

Sample wt/vol: 1000(mL) Date Analyzed: 09/05/2012 21:34

Con. Extract Vol.: 1.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: MR-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 47297 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	66		60-111
2051-24-3	DCB Decachlorobiphenyl (Surr)	70		56-122

Data File: \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\R09120000242.D
Report Date: 06-Sep-2012 07:05

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\R09120000242.D
Lab Smp Id: lcsd 180-45667/3-a
Inj Date : 05-SEP-2012 21:34
Operator : 402331 Inst ID: gc15.i
Smp Info : lcsd 180-45667/3-a,090412.b
Misc Info :
Comment : 8081 Analysis
Method : \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\TPESTB2.m
Meth Date : 06-Sep-2012 07:04 oravecj Quant Type: ESTD
Cal Date : 20-AUG-2012 16:55 Cal File: R08120001192.D
Als bottle: 127
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEST.sub
Target Version: 4.14
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vo)/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
$ 4 Tetrachloro-m-xylene	5.139	5.144	-0.005	292447	0.01315	0.01315(a)
6 alpha-BHC	5.584	5.589	-0.005	536569	0.01833	0.01833(a)
7 gamma-BHC (Lindane)	5.873	5.877	-0.004	444367	0.01794	0.01794(a)
8 Chlordane	Compound Not Detected.					
10 beta-BHC	6.097	6.102	-0.005	193516	0.01828	0.01828(a)
11 Heptachlor	6.182	6.187	-0.005	326275	0.01798	0.01798(a)
13 delta-BHC	6.322	6.327	-0.005	366214	0.01707	0.01707(a)
17 Aldrin	6.441	6.446	-0.005	324551	0.01887	0.01887(a)
21 Heptachlor epoxide	6.873	6.878	-0.005	258161	0.01859	0.01859(a)
24 gamma-Chlordane	7.091	7.095	-0.004	230458	0.01816	0.01816(a)
25 alpha-Chlordane	7.149	7.154	-0.005	216341	0.01812	0.01812(a)
26 Endosulfan I	7.216	7.222	-0.006	193510	0.01786	0.01786(a)
27 4,4'-DDE	7.279	7.282	-0.003	230478	0.01890	0.01890(a)
28 Dieldrin	7.454	7.460	-0.006	230420	0.01929	0.01929(a)
31 Toxaphene	Compound Not Detected.					
29 Endrin	7.715	7.719	-0.004	189907	0.01905	0.01905(a)
30 4,4'-DDD	7.781	7.786	-0.005	232954	0.02021	0.02021(a)
32 Endosulfan II	7.969	7.973	-0.004	198957	0.01692	0.01692(a)
33 4,4'-DDT	8.019	8.023	-0.004	162109	0.01605	0.01605(a)
34 Endrin aldehyde	8.136	8.139	-0.003	190490	0.02064	0.02064(a)
35 Endosulfan sulfate	8.356	8.360	-0.004	203809	0.01941	0.01941(a)

Data File: \\PITSVR06\D\chem\gc15.i\0904128081Aa.b\R09120000242.D
Report Date: 06-Sep-2012 07:05

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)
36 Methoxychlor	8.587	8.593	-0.006	80875	0.01624	0.01624(a)
38 Endrin ketone	8.974	8.980	-0.006	221739	0.01935	0.01935(a)
$ 39 DCB Decachlorobiphenyl (Surr)	10.646	10.654	-0.008	96143	0.01407	0.01406(R)

QC Flag Legend

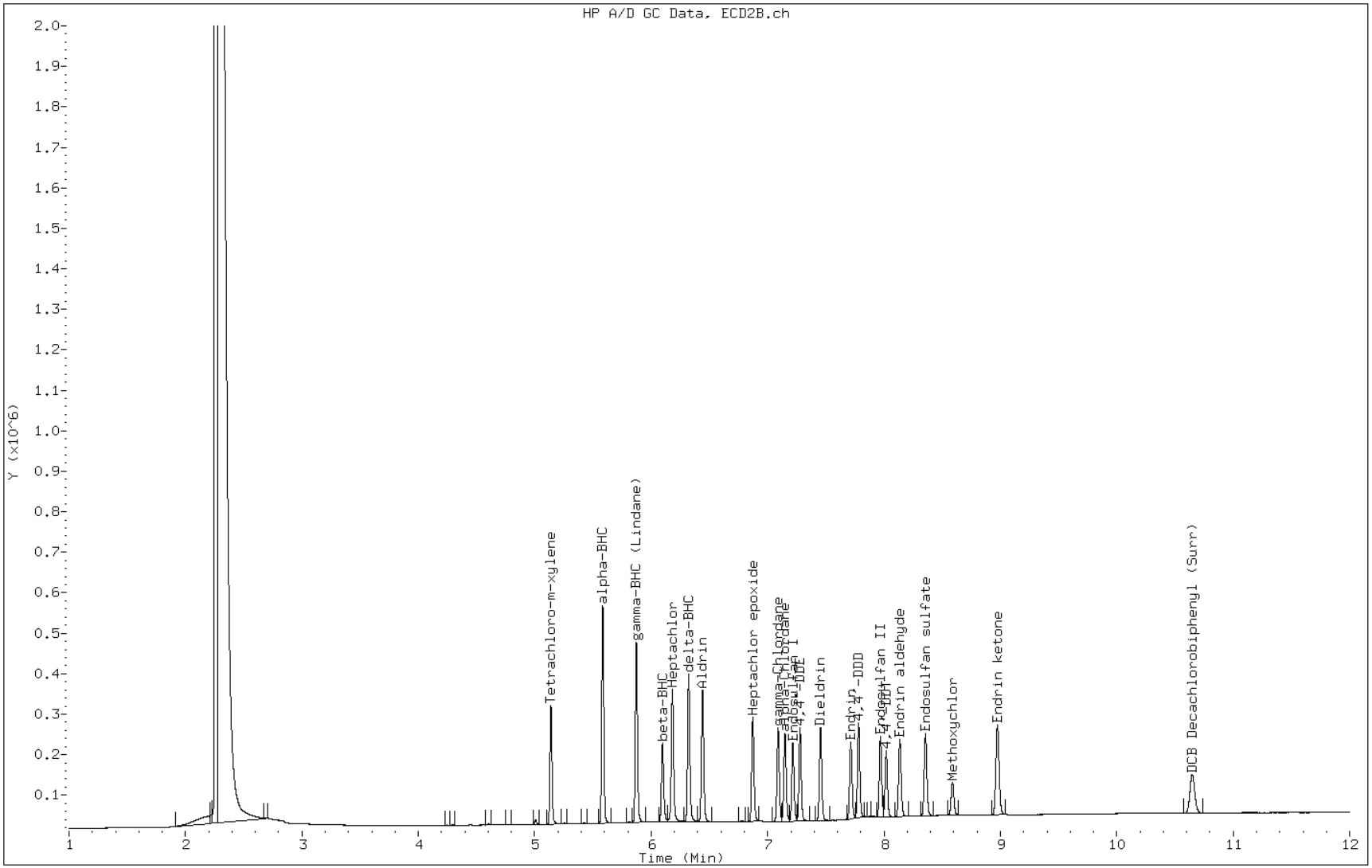
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: R09120000242.D

Date: 05-SEP-2012 21:34

Client ID: Instrument: gc15.i

Sample Info: lcsd 180-45667/3-a,090412.b Operator: 402331



GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: GC15 Start Date: 08/20/2012 11:44

Analysis Batch Number: 45885 End Date: 08/21/2012 16:56

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 180-45885/1		08/20/2012 11:44	1		MR-1 0.53(mm)
PEM 180-45885/1		08/20/2012 11:44	1		MR-2 0.53(mm)
IC 180-45885/2		08/20/2012 11:59	1	Q08120001173.D	MR-1 0.53(mm)
IC 180-45885/2		08/20/2012 11:59	1	R08120001173.D	MR-2 0.53(mm)
IC 180-45885/3		08/20/2012 12:15	1		MR-1 0.53(mm)
IC 180-45885/3		08/20/2012 12:15	1		MR-2 0.53(mm)
IC 180-45885/4		08/20/2012 12:30	1		MR-1 0.53(mm)
IC 180-45885/4		08/20/2012 12:30	1		MR-2 0.53(mm)
IC 180-45885/5		08/20/2012 12:46	1		MR-1 0.53(mm)
IC 180-45885/5		08/20/2012 12:46	1		MR-2 0.53(mm)
IC 180-45885/6		08/20/2012 13:02	1		MR-1 0.53(mm)
IC 180-45885/6		08/20/2012 13:02	1		MR-2 0.53(mm)
IC 180-45885/7		08/20/2012 13:17	1		MR-1 0.53(mm)
IC 180-45885/7		08/20/2012 13:17	1		MR-2 0.53(mm)
IC 180-45885/8		08/20/2012 13:33	1		MR-1 0.53(mm)
IC 180-45885/8		08/20/2012 13:33	1		MR-2 0.53(mm)
IC 180-45885/9		08/20/2012 13:48	1		MR-1 0.53(mm)
IC 180-45885/9		08/20/2012 13:48	1		MR-2 0.53(mm)
IC 180-45885/10		08/20/2012 14:04	1		MR-1 0.53(mm)
IC 180-45885/10		08/20/2012 14:04	1		MR-2 0.53(mm)
IC 180-45885/11		08/20/2012 14:20	1		MR-1 0.53(mm)
IC 180-45885/11		08/20/2012 14:20	1		MR-2 0.53(mm)
IC 180-45885/12		08/20/2012 14:35	1		MR-1 0.53(mm)
IC 180-45885/12		08/20/2012 14:35	1		MR-2 0.53(mm)
IC 180-45885/13		08/20/2012 14:51	1		MR-1 0.53(mm)
IC 180-45885/13		08/20/2012 14:51	1		MR-2 0.53(mm)
IC 180-45885/14		08/20/2012 15:06	1		MR-1 0.53(mm)
IC 180-45885/14		08/20/2012 15:06	1		MR-2 0.53(mm)
IC 180-45885/15		08/20/2012 15:22	1		MR-1 0.53(mm)
IC 180-45885/15		08/20/2012 15:22	1		MR-2 0.53(mm)
IC 180-45885/16		08/20/2012 15:38	1	Q08120001187.D	MR-1 0.53(mm)
IC 180-45885/16		08/20/2012 15:38	1	R08120001187.D	MR-2 0.53(mm)
IC 180-45885/17		08/20/2012 15:53	1	Q08120001188.D	MR-1 0.53(mm)
IC 180-45885/17		08/20/2012 15:53	1	R08120001188.D	MR-2 0.53(mm)
ICRT 180-45885/18		08/20/2012 16:09	1	Q08120001189.D	MR-1 0.53(mm)
ICRT 180-45885/18		08/20/2012 16:09	1	R08120001189.D	MR-2 0.53(mm)
IC 180-45885/19		08/20/2012 16:24	1	Q08120001190.D	MR-1 0.53(mm)
IC 180-45885/19		08/20/2012 16:24	1	R08120001190.D	MR-2 0.53(mm)
IC 180-45885/20		08/20/2012 16:40	1	Q08120001191.D	MR-1 0.53(mm)
IC 180-45885/20		08/20/2012 16:40	1	R08120001191.D	MR-2 0.53(mm)
IC 180-45885/21		08/20/2012 16:55	1	Q08120001192.D	MR-1 0.53(mm)
IC 180-45885/21		08/20/2012 16:55	1	R08120001192.D	MR-2 0.53(mm)
ICV 180-45885/22		08/20/2012 17:11	1		MR-1 0.53(mm)
ICV 180-45885/22		08/20/2012 17:11	1		MR-2 0.53(mm)
ICV 180-45885/23		08/20/2012 17:27	1		MR-1 0.53(mm)

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GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: GC15 Start Date: 08/20/2012 11:44

Analysis Batch Number: 45885 End Date: 08/21/2012 16:56

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ICV 180-45885/23		08/20/2012 17:27	1		MR-2 0.53(mm)
ICV 180-45885/24		08/20/2012 17:42	1		MR-1 0.53(mm)
ICV 180-45885/24		08/20/2012 17:42	1		MR-2 0.53(mm)
PEM 180-45885/25		08/20/2012 17:58	1		MR-1 0.53(mm)
PEM 180-45885/25		08/20/2012 17:58	1		MR-2 0.53(mm)
ZZZZZ		08/20/2012 18:13	1		MR-1 0.53(mm)
ZZZZZ		08/20/2012 18:13	1		MR-2 0.53(mm)
ZZZZZ		08/20/2012 18:29	1		MR-1 0.53(mm)
ZZZZZ		08/20/2012 18:29	1		MR-2 0.53(mm)
ZZZZZ		08/20/2012 18:44	1		MR-1 0.53(mm)
ZZZZZ		08/20/2012 18:44	1		MR-2 0.53(mm)
ZZZZZ		08/20/2012 19:00	1		MR-1 0.53(mm)
ZZZZZ		08/20/2012 19:00	1		MR-2 0.53(mm)
ZZZZZ		08/20/2012 19:15	1		MR-1 0.53(mm)
ZZZZZ		08/20/2012 19:15	1		MR-2 0.53(mm)
ZZZZZ		08/20/2012 19:31	1		MR-1 0.53(mm)
ZZZZZ		08/20/2012 19:31	1		MR-2 0.53(mm)
ZZZZZ		08/20/2012 19:47	1		MR-1 0.53(mm)
ZZZZZ		08/20/2012 19:47	1		MR-2 0.53(mm)
ZZZZZ		08/20/2012 20:02	1		MR-1 0.53(mm)
ZZZZZ		08/20/2012 20:02	1		MR-2 0.53(mm)
ZZZZZ		08/20/2012 20:18	1		MR-1 0.53(mm)
ZZZZZ		08/20/2012 20:18	1		MR-2 0.53(mm)
ZZZZZ		08/20/2012 20:33	1		MR-1 0.53(mm)
ZZZZZ		08/20/2012 20:33	1		MR-2 0.53(mm)
ZZZZZ		08/20/2012 20:49	1		MR-1 0.53(mm)
ZZZZZ		08/20/2012 20:49	1		MR-2 0.53(mm)
ZZZZZ		08/20/2012 21:04	1		MR-1 0.53(mm)
ZZZZZ		08/20/2012 21:04	1		MR-2 0.53(mm)
ZZZZZ		08/20/2012 21:20	1		MR-1 0.53(mm)
ZZZZZ		08/20/2012 21:20	1		MR-2 0.53(mm)
ZZZZZ		08/20/2012 21:36	1		MR-1 0.53(mm)
ZZZZZ		08/20/2012 21:36	1		MR-2 0.53(mm)
ZZZZZ		08/20/2012 21:51	1		MR-1 0.53(mm)
ZZZZZ		08/20/2012 21:51	1		MR-2 0.53(mm)
ZZZZZ		08/20/2012 22:07	1		MR-1 0.53(mm)
ZZZZZ		08/20/2012 22:07	1		MR-2 0.53(mm)
ZZZZZ		08/20/2012 22:22	1		MR-1 0.53(mm)
ZZZZZ		08/20/2012 22:22	1		MR-2 0.53(mm)
ZZZZZ		08/20/2012 22:38	1		MR-1 0.53(mm)
ZZZZZ		08/20/2012 22:38	1		MR-2 0.53(mm)
ZZZZZ		08/20/2012 22:53	1		MR-1 0.53(mm)
ZZZZZ		08/20/2012 22:53	1		MR-2 0.53(mm)
CCV 180-45885/45		08/20/2012 23:09	1		MR-1 0.53(mm)
CCV 180-45885/45		08/20/2012 23:09	1		MR-2 0.53(mm)

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GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: GC15 Start Date: 08/20/2012 11:44

Analysis Batch Number: 45885 End Date: 08/21/2012 16:56

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 180-45885/46		08/20/2012 23:24	1		MR-1 0.53(mm)
CCV 180-45885/46		08/20/2012 23:24	1		MR-2 0.53(mm)
CCV 180-45885/47		08/20/2012 23:40	1		MR-1 0.53(mm)
CCV 180-45885/47		08/20/2012 23:40	1		MR-2 0.53(mm)
PEM 180-45885/48		08/20/2012 23:56	1		MR-1 0.53(mm)
PEM 180-45885/48		08/20/2012 23:56	1		MR-2 0.53(mm)
CCV 180-45885/49		08/21/2012 05:23	1		MR-1 0.53(mm)
CCV 180-45885/49		08/21/2012 05:23	1		MR-2 0.53(mm)
CCV 180-45885/50		08/21/2012 05:38	1		MR-1 0.53(mm)
CCV 180-45885/50		08/21/2012 05:38	1		MR-2 0.53(mm)
CCV 180-45885/51		08/21/2012 05:58	1		MR-1 0.53(mm)
CCV 180-45885/51		08/21/2012 05:58	1		MR-2 0.53(mm)
PEM 180-45885/52		08/21/2012 06:14	1		MR-1 0.53(mm)
PEM 180-45885/52		08/21/2012 06:14	1		MR-2 0.53(mm)
ZZZZZ		08/21/2012 06:45	1		MR-1 0.53(mm)
ZZZZZ		08/21/2012 06:45	1		MR-2 0.53(mm)
ZZZZZ		08/21/2012 07:18	1		MR-1 0.53(mm)
ZZZZZ		08/21/2012 07:18	1		MR-2 0.53(mm)
ZZZZZ		08/21/2012 07:34	1		MR-1 0.53(mm)
ZZZZZ		08/21/2012 07:34	1		MR-2 0.53(mm)
ZZZZZ		08/21/2012 07:49	1		MR-1 0.53(mm)
ZZZZZ		08/21/2012 07:49	1		MR-2 0.53(mm)
ZZZZZ		08/21/2012 08:05	1		MR-1 0.53(mm)
ZZZZZ		08/21/2012 08:05	1		MR-2 0.53(mm)
ZZZZZ		08/21/2012 08:21	1		MR-1 0.53(mm)
ZZZZZ		08/21/2012 08:21	1		MR-2 0.53(mm)
ZZZZZ		08/21/2012 08:36	1		MR-1 0.53(mm)
ZZZZZ		08/21/2012 08:36	1		MR-2 0.53(mm)
ZZZZZ		08/21/2012 08:52	1		MR-1 0.53(mm)
ZZZZZ		08/21/2012 08:52	1		MR-2 0.53(mm)
ZZZZZ		08/21/2012 09:08	1		MR-1 0.53(mm)
ZZZZZ		08/21/2012 09:08	1		MR-2 0.53(mm)
ZZZZZ		08/21/2012 09:23	1		MR-1 0.53(mm)
ZZZZZ		08/21/2012 09:23	1		MR-2 0.53(mm)
ZZZZZ		08/21/2012 09:39	1		MR-1 0.53(mm)
ZZZZZ		08/21/2012 09:39	1		MR-2 0.53(mm)
ZZZZZ		08/21/2012 09:54	1		MR-1 0.53(mm)
ZZZZZ		08/21/2012 09:54	1		MR-2 0.53(mm)
ZZZZZ		08/21/2012 10:10	1		MR-1 0.53(mm)
ZZZZZ		08/21/2012 10:10	1		MR-2 0.53(mm)
ZZZZZ		08/21/2012 10:25	1		MR-1 0.53(mm)
ZZZZZ		08/21/2012 10:25	1		MR-2 0.53(mm)
ZZZZZ		08/21/2012 10:41	1		MR-1 0.53(mm)
ZZZZZ		08/21/2012 10:41	1		MR-2 0.53(mm)
ZZZZZ		08/21/2012 10:56	1		MR-1 0.53(mm)

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GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: GC15 Start Date: 08/20/2012 11:44

Analysis Batch Number: 45885 End Date: 08/21/2012 16:56

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		08/21/2012 10:56	1		MR-2 0.53(mm)
ZZZZZ		08/21/2012 11:12	1		MR-1 0.53(mm)
ZZZZZ		08/21/2012 11:12	1		MR-2 0.53(mm)
ZZZZZ		08/21/2012 11:27	1		MR-1 0.53(mm)
ZZZZZ		08/21/2012 11:27	1		MR-2 0.53(mm)
CCV 180-45885/71		08/21/2012 11:43	1		MR-1 0.53(mm)
CCV 180-45885/71		08/21/2012 11:43	1		MR-2 0.53(mm)
CCV 180-45885/72		08/21/2012 11:58	1		MR-1 0.53(mm)
CCV 180-45885/72		08/21/2012 11:58	1		MR-2 0.53(mm)
CCV 180-45885/73		08/21/2012 12:14	1		MR-1 0.53(mm)
CCV 180-45885/73		08/21/2012 12:14	1		MR-2 0.53(mm)
PEM 180-45885/74		08/21/2012 12:30	1		MR-1 0.53(mm)
PEM 180-45885/74		08/21/2012 12:30	1		MR-2 0.53(mm)
ZZZZZ		08/21/2012 12:45	1		MR-1 0.53(mm)
ZZZZZ		08/21/2012 12:45	1		MR-2 0.53(mm)
ZZZZZ		08/21/2012 13:01	1		MR-1 0.53(mm)
ZZZZZ		08/21/2012 13:01	1		MR-2 0.53(mm)
ZZZZZ		08/21/2012 13:17	1		MR-1 0.53(mm)
ZZZZZ		08/21/2012 13:17	1		MR-2 0.53(mm)
ZZZZZ		08/21/2012 13:32	1		MR-1 0.53(mm)
ZZZZZ		08/21/2012 13:32	1		MR-2 0.53(mm)
ZZZZZ		08/21/2012 13:48	1		MR-1 0.53(mm)
ZZZZZ		08/21/2012 13:48	1		MR-2 0.53(mm)
CCV 180-45885/80		08/21/2012 16:25	1		MR-1 0.53(mm)
CCV 180-45885/80		08/21/2012 16:25	1		MR-2 0.53(mm)
CCV 180-45885/81		08/21/2012 16:40	1		MR-1 0.53(mm)
CCV 180-45885/81		08/21/2012 16:40	1		MR-2 0.53(mm)
CCV 180-45885/82		08/21/2012 16:56	1		MR-1 0.53(mm)
CCV 180-45885/82		08/21/2012 16:56	1		MR-2 0.53(mm)

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GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: GC15 Start Date: 09/04/2012 12:27

Analysis Batch Number: 47297 End Date: 09/05/2012 22:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 180-47297/1		09/04/2012 12:27	1		MR-1 0.53(mm)
PEM 180-47297/1		09/04/2012 12:27	1		MR-2 0.53(mm)
CCVRT 180-47297/2		09/04/2012 12:43	1	Q09120000117.D	MR-1 0.53(mm)
CCVRT 180-47297/2		09/04/2012 12:43	1	R09120000117.D	MR-2 0.53(mm)
ZZZZZ		09/04/2012 12:58	1		MR-1 0.53(mm)
ZZZZZ		09/04/2012 12:58	1		MR-2 0.53(mm)
ZZZZZ		09/04/2012 13:15	1		MR-1 0.53(mm)
ZZZZZ		09/04/2012 13:15	1		MR-2 0.53(mm)
ZZZZZ		09/04/2012 13:30	1		MR-1 0.53(mm)
ZZZZZ		09/04/2012 13:30	1		MR-2 0.53(mm)
ZZZZZ		09/04/2012 13:47	1		MR-1 0.53(mm)
ZZZZZ		09/04/2012 13:47	1		MR-2 0.53(mm)
ZZZZZ		09/04/2012 14:03	1		MR-1 0.53(mm)
ZZZZZ		09/04/2012 14:03	1		MR-2 0.53(mm)
ZZZZZ		09/04/2012 14:18	1		MR-1 0.53(mm)
ZZZZZ		09/04/2012 14:18	1		MR-2 0.53(mm)
ZZZZZ		09/04/2012 14:34	1		MR-1 0.53(mm)
ZZZZZ		09/04/2012 14:34	1		MR-2 0.53(mm)
ZZZZZ		09/04/2012 16:25	1		MR-1 0.53(mm)
ZZZZZ		09/04/2012 16:25	1		MR-2 0.53(mm)
ZZZZZ		09/04/2012 16:41	1		MR-1 0.53(mm)
ZZZZZ		09/04/2012 16:41	1		MR-2 0.53(mm)
ZZZZZ		09/04/2012 16:57	1		MR-1 0.53(mm)
ZZZZZ		09/04/2012 16:57	1		MR-2 0.53(mm)
ZZZZZ		09/04/2012 17:13	1		MR-1 0.53(mm)
ZZZZZ		09/04/2012 17:13	1		MR-2 0.53(mm)
ZZZZZ		09/04/2012 17:28	1		MR-1 0.53(mm)
ZZZZZ		09/04/2012 17:28	1		MR-2 0.53(mm)
ZZZZZ		09/04/2012 17:43	1		MR-1 0.53(mm)
ZZZZZ		09/04/2012 17:43	1		MR-2 0.53(mm)
ZZZZZ		09/04/2012 17:59	1		MR-1 0.53(mm)
ZZZZZ		09/04/2012 17:59	1		MR-2 0.53(mm)
PEM 180-47297/17		09/04/2012 18:15	1		MR-1 0.53(mm)
PEM 180-47297/17		09/04/2012 18:15	1		MR-2 0.53(mm)
CCV 180-47297/18		09/04/2012 18:31	1		MR-1 0.53(mm)
CCV 180-47297/18		09/04/2012 18:31	1		MR-2 0.53(mm)
ZZZZZ		09/04/2012 18:46	10		MR-1 0.53(mm)
ZZZZZ		09/04/2012 18:46	10		MR-2 0.53(mm)
ZZZZZ		09/04/2012 19:02	10		MR-1 0.53(mm)
ZZZZZ		09/04/2012 19:02	10		MR-2 0.53(mm)
ZZZZZ		09/04/2012 19:18	10		MR-1 0.53(mm)
ZZZZZ		09/04/2012 19:18	10		MR-2 0.53(mm)
ZZZZZ		09/04/2012 19:33	10		MR-1 0.53(mm)
ZZZZZ		09/04/2012 19:33	10		MR-2 0.53(mm)
ZZZZZ		09/04/2012 19:50	10		MR-1 0.53(mm)

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GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: GC15 Start Date: 09/04/2012 12:27

Analysis Batch Number: 47297 End Date: 09/05/2012 22:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		09/04/2012 19:50	10		MR-2 0.53(mm)
ZZZZZ		09/04/2012 20:05	10		MR-1 0.53(mm)
ZZZZZ		09/04/2012 20:05	10		MR-2 0.53(mm)
ZZZZZ		09/04/2012 20:21	10		MR-1 0.53(mm)
ZZZZZ		09/04/2012 20:21	10		MR-2 0.53(mm)
ZZZZZ		09/04/2012 20:37	10		MR-1 0.53(mm)
ZZZZZ		09/04/2012 20:37	10		MR-2 0.53(mm)
ZZZZZ		09/04/2012 20:52	10		MR-1 0.53(mm)
ZZZZZ		09/04/2012 20:52	10		MR-2 0.53(mm)
ZZZZZ		09/04/2012 21:08	10		MR-1 0.53(mm)
ZZZZZ		09/04/2012 21:08	10		MR-2 0.53(mm)
ZZZZZ		09/04/2012 21:24	10		MR-1 0.53(mm)
ZZZZZ		09/04/2012 21:24	10		MR-2 0.53(mm)
ZZZZZ		09/04/2012 21:39	10		MR-1 0.53(mm)
ZZZZZ		09/04/2012 21:39	10		MR-2 0.53(mm)
ZZZZZ		09/04/2012 21:55	10		MR-1 0.53(mm)
ZZZZZ		09/04/2012 21:55	10		MR-2 0.53(mm)
ZZZZZ		09/04/2012 22:11	10		MR-1 0.53(mm)
ZZZZZ		09/04/2012 22:11	10		MR-2 0.53(mm)
ZZZZZ		09/04/2012 22:27	10		MR-1 0.53(mm)
ZZZZZ		09/04/2012 22:27	10		MR-2 0.53(mm)
ZZZZZ		09/04/2012 22:42	10		MR-1 0.53(mm)
ZZZZZ		09/04/2012 22:42	10		MR-2 0.53(mm)
ZZZZZ		09/04/2012 22:58	10		MR-1 0.53(mm)
ZZZZZ		09/04/2012 22:58	10		MR-2 0.53(mm)
ZZZZZ		09/04/2012 23:14	10		MR-1 0.53(mm)
ZZZZZ		09/04/2012 23:14	10		MR-2 0.53(mm)
ZZZZZ		09/04/2012 23:30	1		MR-1 0.53(mm)
ZZZZZ		09/04/2012 23:30	1		MR-2 0.53(mm)
ZZZZZ		09/04/2012 23:45	1		MR-1 0.53(mm)
ZZZZZ		09/04/2012 23:45	1		MR-2 0.53(mm)
PEM 180-47297/39		09/05/2012 00:01	1		MR-1 0.53(mm)
PEM 180-47297/39		09/05/2012 00:01	1		MR-2 0.53(mm)
CCV 180-47297/40		09/05/2012 00:17	1		MR-1 0.53(mm)
CCV 180-47297/40		09/05/2012 00:17	1		MR-2 0.53(mm)
ZZZZZ		09/05/2012 00:32	10		MR-1 0.53(mm)
ZZZZZ		09/05/2012 00:32	10		MR-2 0.53(mm)
ZZZZZ		09/05/2012 00:48	10		MR-1 0.53(mm)
ZZZZZ		09/05/2012 00:48	10		MR-2 0.53(mm)
ZZZZZ		09/05/2012 01:03	10		MR-1 0.53(mm)
ZZZZZ		09/05/2012 01:03	10		MR-2 0.53(mm)
ZZZZZ		09/05/2012 01:19	10		MR-1 0.53(mm)
ZZZZZ		09/05/2012 01:19	10		MR-2 0.53(mm)
ZZZZZ		09/05/2012 01:34	10		MR-1 0.53(mm)
ZZZZZ		09/05/2012 01:34	10		MR-2 0.53(mm)

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GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: GC15 Start Date: 09/04/2012 12:27

Analysis Batch Number: 47297 End Date: 09/05/2012 22:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		09/05/2012 01:50	10		MR-1 0.53(mm)
ZZZZZ		09/05/2012 01:50	10		MR-2 0.53(mm)
ZZZZZ		09/05/2012 02:05	10		MR-1 0.53(mm)
ZZZZZ		09/05/2012 02:05	10		MR-2 0.53(mm)
ZZZZZ		09/05/2012 02:21	10		MR-1 0.53(mm)
ZZZZZ		09/05/2012 02:21	10		MR-2 0.53(mm)
ZZZZZ		09/05/2012 02:36	10		MR-1 0.53(mm)
ZZZZZ		09/05/2012 02:36	10		MR-2 0.53(mm)
ZZZZZ		09/05/2012 02:52	10		MR-1 0.53(mm)
ZZZZZ		09/05/2012 02:52	10		MR-2 0.53(mm)
ZZZZZ		09/05/2012 03:07	10		MR-1 0.53(mm)
ZZZZZ		09/05/2012 03:07	10		MR-2 0.53(mm)
ZZZZZ		09/05/2012 03:23	10		MR-1 0.53(mm)
ZZZZZ		09/05/2012 03:23	10		MR-2 0.53(mm)
ZZZZZ		09/05/2012 03:39	10		MR-1 0.53(mm)
ZZZZZ		09/05/2012 03:39	10		MR-2 0.53(mm)
ZZZZZ		09/05/2012 03:56	10		MR-1 0.53(mm)
ZZZZZ		09/05/2012 03:56	10		MR-2 0.53(mm)
ZZZZZ		09/05/2012 04:11	10		MR-1 0.53(mm)
ZZZZZ		09/05/2012 04:11	10		MR-2 0.53(mm)
ZZZZZ		09/05/2012 04:27	10		MR-1 0.53(mm)
ZZZZZ		09/05/2012 04:27	10		MR-2 0.53(mm)
ZZZZZ		09/05/2012 04:43	10		MR-1 0.53(mm)
ZZZZZ		09/05/2012 04:43	10		MR-2 0.53(mm)
ZZZZZ		09/05/2012 04:59	1		MR-1 0.53(mm)
ZZZZZ		09/05/2012 04:59	1		MR-2 0.53(mm)
ZZZZZ		09/05/2012 05:15	1		MR-1 0.53(mm)
ZZZZZ		09/05/2012 05:15	1		MR-2 0.53(mm)
PEM 180-47297/60		09/05/2012 05:30	1		MR-1 0.53(mm)
PEM 180-47297/60		09/05/2012 05:30	1		MR-2 0.53(mm)
CCV 180-47297/61		09/05/2012 05:46	1		MR-1 0.53(mm)
CCV 180-47297/61		09/05/2012 05:46	1		MR-2 0.53(mm)
ZZZZZ		09/05/2012 06:01	10		MR-1 0.53(mm)
ZZZZZ		09/05/2012 06:01	10		MR-2 0.53(mm)
ZZZZZ		09/05/2012 06:17	10		MR-1 0.53(mm)
ZZZZZ		09/05/2012 06:17	10		MR-2 0.53(mm)
ZZZZZ		09/05/2012 06:33	10		MR-1 0.53(mm)
ZZZZZ		09/05/2012 06:33	10		MR-2 0.53(mm)
ZZZZZ		09/05/2012 06:49	10		MR-1 0.53(mm)
ZZZZZ		09/05/2012 06:49	10		MR-2 0.53(mm)
ZZZZZ		09/05/2012 07:05	10		MR-1 0.53(mm)
ZZZZZ		09/05/2012 07:05	10		MR-2 0.53(mm)
ZZZZZ		09/05/2012 07:20	10		MR-1 0.53(mm)
ZZZZZ		09/05/2012 07:20	10		MR-2 0.53(mm)
ZZZZZ		09/05/2012 07:36	10		MR-1 0.53(mm)

8081A

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: GC15 Start Date: 09/04/2012 12:27

Analysis Batch Number: 47297 End Date: 09/05/2012 22:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		09/05/2012 07:36	10		MR-2 0.53(mm)
ZZZZZ		09/05/2012 07:52	10		MR-1 0.53(mm)
ZZZZZ		09/05/2012 07:52	10		MR-2 0.53(mm)
ZZZZZ		09/05/2012 08:08	10		MR-1 0.53(mm)
ZZZZZ		09/05/2012 08:08	10		MR-2 0.53(mm)
ZZZZZ		09/05/2012 08:24	10		MR-1 0.53(mm)
ZZZZZ		09/05/2012 08:24	10		MR-2 0.53(mm)
ZZZZZ		09/05/2012 08:39	10		MR-1 0.53(mm)
ZZZZZ		09/05/2012 08:39	10		MR-2 0.53(mm)
ZZZZZ		09/05/2012 08:55	1		MR-1 0.53(mm)
ZZZZZ		09/05/2012 08:55	1		MR-2 0.53(mm)
ZZZZZ		09/05/2012 09:11	1		MR-1 0.53(mm)
ZZZZZ		09/05/2012 09:11	1		MR-2 0.53(mm)
ZZZZZ		09/05/2012 09:26	1		MR-1 0.53(mm)
ZZZZZ		09/05/2012 09:26	1		MR-2 0.53(mm)
ZZZZZ		09/05/2012 09:42	1		MR-1 0.53(mm)
ZZZZZ		09/05/2012 09:42	1		MR-2 0.53(mm)
ZZZZZ		09/05/2012 09:58	1		MR-1 0.53(mm)
ZZZZZ		09/05/2012 09:58	1		MR-2 0.53(mm)
ZZZZZ		09/05/2012 10:13	1		MR-1 0.53(mm)
ZZZZZ		09/05/2012 10:13	1		MR-2 0.53(mm)
ZZZZZ		09/05/2012 10:30	1		MR-1 0.53(mm)
ZZZZZ		09/05/2012 10:30	1		MR-2 0.53(mm)
ZZZZZ		09/05/2012 10:45	1		MR-1 0.53(mm)
ZZZZZ		09/05/2012 10:45	1		MR-2 0.53(mm)
ZZZZZ		09/05/2012 11:01	1		MR-1 0.53(mm)
ZZZZZ		09/05/2012 11:01	1		MR-2 0.53(mm)
PEM 180-47297/82		09/05/2012 11:17	1		MR-1 0.53(mm)
PEM 180-47297/82		09/05/2012 11:17	1		MR-2 0.53(mm)
CCV 180-47297/83		09/05/2012 11:32	1		MR-1 0.53(mm)
CCV 180-47297/83		09/05/2012 11:32	1		MR-2 0.53(mm)
ZZZZZ		09/05/2012 13:27	1		MR-1 0.53(mm)
ZZZZZ		09/05/2012 13:27	1		MR-2 0.53(mm)
ZZZZZ		09/05/2012 13:42	1		MR-1 0.53(mm)
ZZZZZ		09/05/2012 13:42	1		MR-2 0.53(mm)
ZZZZZ		09/05/2012 13:58	1		MR-1 0.53(mm)
ZZZZZ		09/05/2012 13:58	1		MR-2 0.53(mm)
ZZZZZ		09/05/2012 14:14	1		MR-1 0.53(mm)
ZZZZZ		09/05/2012 14:14	1		MR-2 0.53(mm)
ZZZZZ		09/05/2012 14:30	1		MR-1 0.53(mm)
ZZZZZ		09/05/2012 14:30	1		MR-2 0.53(mm)
ZZZZZ		09/05/2012 14:46	1		MR-1 0.53(mm)
ZZZZZ		09/05/2012 14:46	1		MR-2 0.53(mm)
ZZZZZ		09/05/2012 15:49	1		MR-1 0.53(mm)
ZZZZZ		09/05/2012 15:49	1		MR-2 0.53(mm)

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GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: GC15 Start Date: 09/04/2012 12:27

Analysis Batch Number: 47297 End Date: 09/05/2012 22:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 180-47297/91		09/05/2012 16:05	1	Q09120000221.D	MR-1 0.53(mm)
PEM 180-47297/91		09/05/2012 16:05	1	R09120000221.D	MR-2 0.53(mm)
CCV 180-47297/92		09/05/2012 16:20	1	Q09120000222.D	MR-1 0.53(mm)
CCV 180-47297/92		09/05/2012 16:20	1	R09120000222.D	MR-2 0.53(mm)
ZZZZZ		09/05/2012 16:36	1		MR-1 0.53(mm)
ZZZZZ		09/05/2012 16:36	1		MR-2 0.53(mm)
ZZZZZ		09/05/2012 16:52	1		MR-1 0.53(mm)
ZZZZZ		09/05/2012 16:52	1		MR-2 0.53(mm)
ZZZZZ		09/05/2012 17:07	1		MR-1 0.53(mm)
ZZZZZ		09/05/2012 17:07	1		MR-2 0.53(mm)
ZZZZZ		09/05/2012 17:23	1		MR-1 0.53(mm)
ZZZZZ		09/05/2012 17:23	1		MR-2 0.53(mm)
ZZZZZ		09/05/2012 17:39	1		MR-1 0.53(mm)
ZZZZZ		09/05/2012 17:39	1		MR-2 0.53(mm)
ZZZZZ		09/05/2012 17:54	1		MR-1 0.53(mm)
ZZZZZ		09/05/2012 17:54	1		MR-2 0.53(mm)
ZZZZZ		09/05/2012 18:10	1		MR-1 0.53(mm)
ZZZZZ		09/05/2012 18:10	1		MR-2 0.53(mm)
ZZZZZ		09/05/2012 18:26	1		MR-1 0.53(mm)
ZZZZZ		09/05/2012 18:26	1		MR-2 0.53(mm)
ZZZZZ		09/05/2012 18:42	1		MR-1 0.53(mm)
ZZZZZ		09/05/2012 18:42	1		MR-2 0.53(mm)
ZZZZZ		09/05/2012 18:57	1		MR-1 0.53(mm)
ZZZZZ		09/05/2012 18:57	1		MR-2 0.53(mm)
ZZZZZ		09/05/2012 19:13	1		MR-1 0.53(mm)
ZZZZZ		09/05/2012 19:13	1		MR-2 0.53(mm)
ZZZZZ		09/05/2012 19:29	1		MR-1 0.53(mm)
ZZZZZ		09/05/2012 19:29	1		MR-2 0.53(mm)
180-13537-2	MW-101	09/05/2012 19:44	1	Q09120000235.D	MR-1 0.53(mm)
180-13537-2	MW-101	09/05/2012 19:44	1	R09120000235.D	MR-2 0.53(mm)
180-13537-3	MW-107	09/05/2012 20:00	1	Q09120000236.D	MR-1 0.53(mm)
180-13537-3	MW-107	09/05/2012 20:00	1	R09120000236.D	MR-2 0.53(mm)
180-13537-4	MW-113	09/05/2012 20:16	1	Q09120000237.D	MR-1 0.53(mm)
180-13537-4	MW-113	09/05/2012 20:16	1	R09120000237.D	MR-2 0.53(mm)
180-13537-5	MW-110	09/05/2012 20:31	1	Q09120000238.D	MR-1 0.53(mm)
180-13537-5	MW-110	09/05/2012 20:31	1	R09120000238.D	MR-2 0.53(mm)
180-13537-6	MW-102	09/05/2012 20:47	1	Q09120000239.D	MR-1 0.53(mm)
180-13537-6	MW-102	09/05/2012 20:47	1	R09120000239.D	MR-2 0.53(mm)
MB 180-45667/1-A		09/05/2012 21:02	1	Q09120000240.D	MR-1 0.53(mm)
MB 180-45667/1-A		09/05/2012 21:02	1	R09120000240.D	MR-2 0.53(mm)
LCS 180-45667/2-A		09/05/2012 21:18	1	Q09120000241.D	MR-1 0.53(mm)
LCS 180-45667/2-A		09/05/2012 21:18	1	R09120000241.D	MR-2 0.53(mm)
LCSD 180-45667/3-A		09/05/2012 21:34	1	Q09120000242.D	MR-1 0.53(mm)
LCSD 180-45667/3-A		09/05/2012 21:34	1	R09120000242.D	MR-2 0.53(mm)
CCV 180-47297/113		09/05/2012 22:05	1	Q09120000244.D	MR-1 0.53(mm)

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GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: GC15 Start Date: 09/04/2012 12:27

Analysis Batch Number: 47297 End Date: 09/05/2012 22:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 180-47297/113		09/05/2012 22:05	1	R09120000244.D	MR-2 0.53(mm)

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GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Batch Number: 45667 Batch Start Date: 08/20/12 13:55 Batch Analyst: Yushinski, Charles

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	op-p/pcb sur 00006	OPPESTMATRIX 00005	
MB 180-45667/1		3510C, 8081A		6	1000 mL	1.0 mL	25 uL		
LCS 180-45667/2		3510C, 8081A		6	1000 mL	1.0 mL	25 uL	25 uL	
LCSD 180-45667/3		3510C, 8081A		6	1000 mL	1.0 mL	25 uL	25 uL	
180-13537-D-2	MW-101	3510C, 8081A	T	7	1050 mL	1.0 mL	25 uL		
180-13537-G-3	MW-107	3510C, 8081A	T	7	1050 mL	1.0 mL	25 uL		
180-13537-F-4	MW-113	3510C, 8081A	T	7	1050 mL	1.0 mL	25 uL		
180-13537-H-5	MW-110	3510C, 8081A	T	7	1060 mL	1.0 mL	25 uL		
180-13537-G-6	MW-102	3510C, 8081A	T	7	1050 mL	1.0 mL	25 uL		

Batch Notes	
Exchange Solvent Lot #	506582
Exchange Solvent Name	Hexane
N-evap #	1
N-evap temperature	21 Celsius
Na2SO4 Lot Number	494082
Oven, Bath or Block Temperature 1	79 Celsius
Prep Solvent Lot #	522082
Prep Solvent Name	Methylene chloride
Prep Solvent Volume Used	180 mL
Person's name who did the prep	CBY
Sufficient volume for MS/MSD?	no
Uncorrected N-evap Temperature	21 Celsius
Uncorrected Temperature	79 Celsius

Basis	Basis Description
T	Total/NA

Method 8082 Low Level

Polychlorinated Biphenyls (PCBs) (GC) by Method 8082 Low Level

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): RTX-50 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TCX1	#	DCB1	#
MW-101	180-13537-2	42	X	82	
MW-107	180-13537-3	49		86	
MW-113	180-13537-4	44	X	91	
MW-110	180-13537-5	42	X	91	
MW-102	180-13537-6	43	X	137	
	MB 180-45667/1-A	83		86	
	LCS 180-45667/4-A	84		88	
	LCSD 180-45667/5-A	81		85	

	QC LIMITS
TCX = Tetrachloro-m-xylene	47-150
DCB = DCB Decachlorobiphenyl (Surr)	50-140

Column to be used to flag recovery values

FORM II 8082

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Matrix: Water Level: Low Lab File ID: O0821102.D

Lab ID: LCS 180-45667/4-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
PCB-1016	1.00	0.793	79	60-110	
PCB-1260	1.00	0.949	95	60-111	

Column to be used to flag recovery and RPD values

FORM III 8082

FORM III
PCBS LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Matrix: Water Level: Low Lab File ID: O0821103.D

Lab ID: LCSD 180-45667/5-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
PCB-1016	1.00	0.763	76	4	27	60-110	
PCB-1260	1.00	0.907	91	4	24	60-111	

Column to be used to flag recovery and RPD values

FORM III 8082

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: MB 180-45667/1-A

Matrix: Water Date Extracted: 08/20/2012 13:55

Lab File ID:(1) O0821101.D Lab File ID:(2)

Date Analyzed:(1) 08/30/2012 06:48 Date Analyzed:(2)

Instrument ID:(1) GC8 Instrument ID:(2)

GC Column:(1) RTX-50 ID: 0.53(mm) GC Column:(2) ID:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
MW-101	180-13537-2	08/30/2012 04:45	
MW-107	180-13537-3	08/30/2012 05:10	
MW-113	180-13537-4	08/30/2012 05:34	
MW-110	180-13537-5	08/30/2012 05:59	
MW-102	180-13537-6	08/30/2012 06:23	
	LCS 180-45667/4-A	08/30/2012 07:12	
	LCSD 180-45667/5-A	08/30/2012 07:37	

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Sample No.: CCVRT 180-47722/8 Date Analyzed: 08/30/2012 01:29

Instrument ID: GC8 GC Column: RTX-50 ID: 0.53(mm)

Lab File ID (Standard): O0821088.D Heated Purge: (Y/N) N

Calibration ID: 5612

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				4.64	15.80	
UPPER LIMIT				4.69	15.85	
LOWER LIMIT				4.59	15.75	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 180-47722/8		08/30/2012 01:29	O0821088.D	4.64	15.80	
180-13537-2	MW-101	08/30/2012 04:45	O0821096.D	4.65	15.80	
180-13537-3	MW-107	08/30/2012 05:10	O0821097.D	4.65	15.80	
180-13537-4	MW-113	08/30/2012 05:34	O0821098.D	4.65	15.79	
180-13537-5	MW-110	08/30/2012 05:59	O0821099.D	4.64	15.80	
180-13537-6	MW-102	08/30/2012 06:23	O0821100.D	4.65	15.79	
MB 180-45667/1-A		08/30/2012 06:48	O0821101.D	4.64	15.79	
LCS 180-45667/4-A		08/30/2012 07:12	O0821102.D	4.64	15.79	
LCSD 180-45667/5-A		08/30/2012 07:37	O0821103.D	4.64	15.79	
CCV 180-47722/17		08/30/2012 08:02	O0821104.D	4.64	15.79	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl (Surr)

TCX RT Limit = ± 0.05 minutes of surrogate RT
DCB RT Limit = ± 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8082

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 180-45667/4-A

Instrument ID (1): GC8 Instrument ID (2):

Date Analyzed (1): 08/30/2012 07:12 Date Analyzed (2):

GC Column (1): RTX-50 ID: 0.53(mm) GC Column (2): ID:

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	6.51	6.48	6.54	0.779	0.793	
		2	6.97	6.94	7.00	0.796		
		3	7.13	7.10	7.16	0.827		
		4	7.36	7.32	7.38	0.774		
		5	7.54	7.51	7.57	0.787		
PCB-1260	1	1	9.44	9.41	9.47	0.853	0.949	
		2	9.58	9.55	9.61	0.950		
		3	10.16	10.13	10.19	0.874		
		4	10.25	10.22	10.28	1.04		
		5	11.13	11.10	11.16	1.02		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 180-45667/5-A

Instrument ID (1): GC8 Instrument ID (2):

Date Analyzed (1): 08/30/2012 07:37 Date Analyzed (2):

GC Column (1): RTX-50 ID: 0.53(mm) GC Column (2): ID:

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	6.51	6.48	6.54	0.752	0.763	
		2	6.97	6.94	7.00	0.758		
		3	7.13	7.10	7.16	0.798		
		4	7.36	7.32	7.38	0.744		
		5	7.54	7.51	7.57	0.762		
PCB-1260	1	1	9.44	9.41	9.47	0.821	0.907	
		2	9.58	9.55	9.61	0.916		
		3	10.16	10.13	10.19	0.844		
		4	10.25	10.22	10.28	1.00		
		5	11.13	11.10	11.16	0.957		

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID: MW-101
Lab Sample ID: 180-13537-2
Matrix: Water
Lab File ID: O0821096.D
Analysis Method: 8082
Date Collected: 08/16/2012 08:15
Extraction Method: 3510C
Date Extracted: 08/20/2012 13:55
Sample wt/vol: 1050(mL)
Date Analyzed: 08/30/2012 04:45
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-50 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 47722
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.0095	0.0024
11104-28-2	PCB-1221	ND		0.0095	0.0024
11141-16-5	PCB-1232	ND		0.0095	0.0028
53469-21-9	PCB-1242	ND		0.0095	0.0018
12672-29-6	PCB-1248	ND		0.0095	0.0022
11097-69-1	PCB-1254	ND		0.0095	0.0022
11096-82-5	PCB-1260	ND		0.0095	0.0013

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	82		50-140
877-09-8	Tetrachloro-m-xylene	42	X	47-150

Data File: \\pitsvr06\d\chem\gc8.i\08292Aa8082ll.b\O0821096.D
Report Date: 30-Aug-2012 12:06

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc8.i\08292Aa8082ll.b\O0821096.D
Lab Smp Id: 180-13537-D-2-A Client Smp ID: MW-101
Inj Date : 30-AUG-2012 04:45
Operator : 402360 Inst ID: gc8.i
Smp Info : 08292Aa8082ll.b
Misc Info : 180-13537-D-2-A
Comment   : 8082 PCB ANALYSIS
Method   : \\pitsvr06\d\chem\gc8.i\08292Aa8082ll.b\PCBALL.m
Meth Date : 30-Aug-2012 12:04 gc8.i Quant Type: ESTD
Cal Date : 28-JUN-2012 20:13 Cal File: O0620726.D
Als bottle: 60
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PCB.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1050.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.646	4.637	0.009	50420	0.00833	0.0000079312		(R)
1 Aroclor-1221					CAS #: 11104-28-2		
Operator disabled compound identification.							
4 Aroclor-1016					CAS #: 12674-11-2		
Peaks not detected for Quant. or Qual. signal(s).							
5 Aroclor-1242					CAS #: 53469-21-9		
Operator disabled compound identification.							

Data File: \\pitsvr06\d\chem\gc8.i\08292Aa8082ll.b\O0821096.D
Report Date: 30-Aug-2012 12:06

```
                                        CONCENTRATIONS
                                        ON-COL    FINAL
  RT   EXP RT   DLT RT         RESPONSE (   ng)  ( ug/L)   TARGET RANGE    RATIO
 ==== ======== ========        ======== =======  =======   ============    =====

    6 Aroclor-1248                                CAS #: 12672-29-6

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
    3 Aroclor-1232                                CAS #: 11141-16-5

Operator disabled compound identification.
-------------------------------------------------------------------------------
    7 Aroclor-1254                                CAS #: 11097-69-1

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
    9 Aroclor-1262                                CAS #: 37324-23-5

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
    8 Aroclor-1260                                CAS #: 11096-82-5

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   10 Aroclor-1268                                CAS #: 11100-14-4

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
$  11 DCB Decachlorobiphenyl (Surr)               CAS #: 2051-24-3
15.795  15.792    0.003           37111 0.01648  0.000015696                    (R)
-------------------------------------------------------------------------------
```

QC Flag Legend

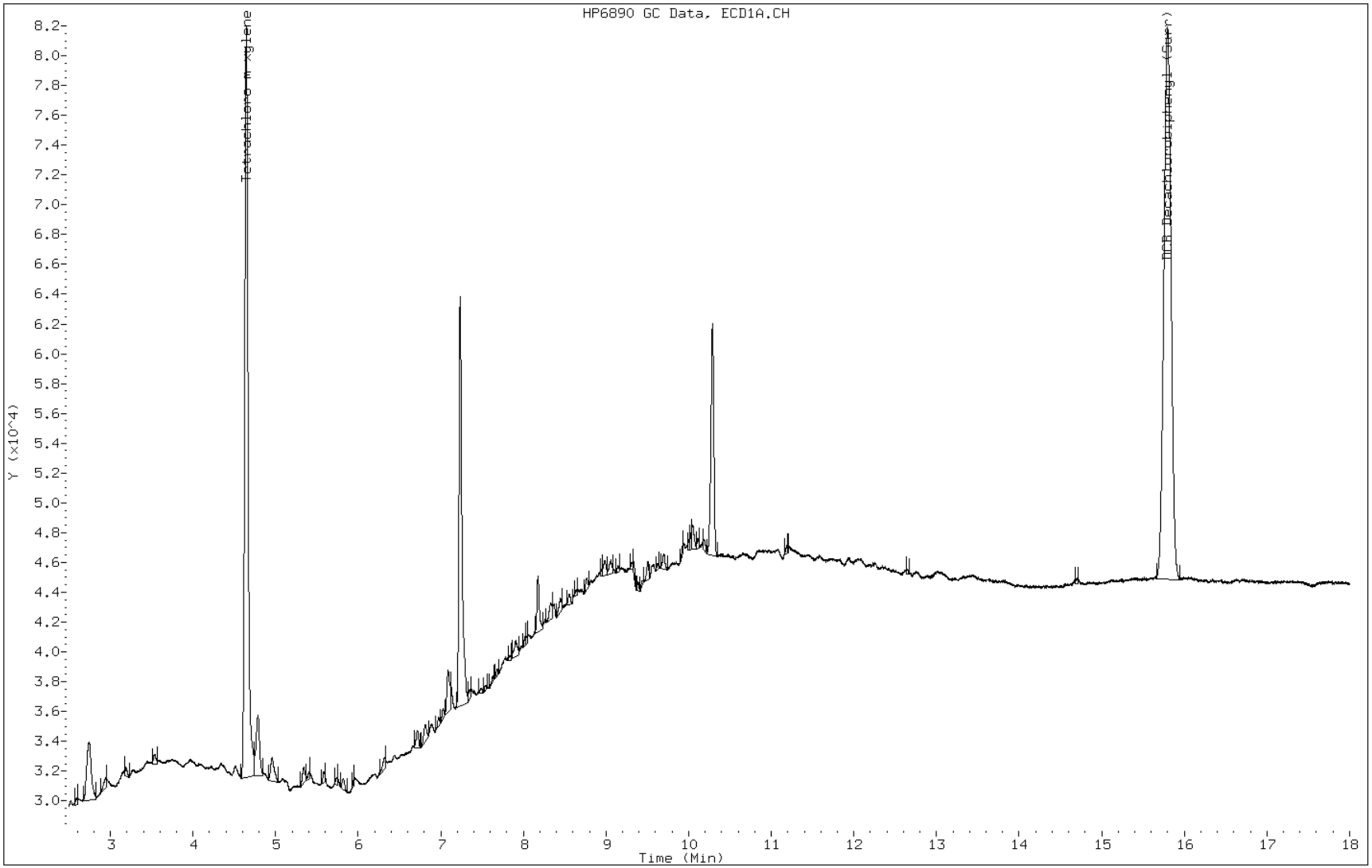
R - Spike/Surrogate failed recovery limits.

Data File: O0821096.D

Date: 30-AUG-2012 04:45

Client ID: MW-101 Instrument: gc8.i

Sample Info: 08292Aa8082ll.b Operator: 402360



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID: MW-107
Lab Sample ID: 180-13537-3
Matrix: Water
Lab File ID: O0821097.D
Analysis Method: 8082
Date Collected: 08/16/2012 09:00
Extraction Method: 3510C
Date Extracted: 08/20/2012 13:55
Sample wt/vol: 1050(mL)
Date Analyzed: 08/30/2012 05:10
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-50 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 47722
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.0095	0.0024
11104-28-2	PCB-1221	ND		0.0095	0.0024
11141-16-5	PCB-1232	ND		0.0095	0.0028
53469-21-9	PCB-1242	ND		0.0095	0.0018
12672-29-6	PCB-1248	ND		0.0095	0.0022
11097-69-1	PCB-1254	ND		0.0095	0.0022
11096-82-5	PCB-1260	ND		0.0095	0.0013

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	86		50-140
877-09-8	Tetrachloro-m-xylene	49		47-150

Data File: \\pitsvr06\d\chem\gc8.i\08292Aa8082ll.b\O0821097.D
Report Date: 30-Aug-2012 12:05

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc8.i\08292Aa8082ll.b\O0821097.D
Lab Smp Id: 180-13537-G-3-A Client Smp ID: MW-107
Inj Date : 30-AUG-2012 05:10
Operator : 402360 Inst ID: gc8.i
Smp Info : 08292Aa8082ll.b
Misc Info : 180-13537-G-3-A
Comment   : 8082 PCB ANALYSIS
Method   : \\pitsvr06\d\chem\gc8.i\08292Aa8082ll.b\PCBALL.m
Meth Date : 30-Aug-2012 12:04 gc8.i Quant Type: ESTD
Cal Date : 28-JUN-2012 20:13 Cal File: O0620726.D
Als bottle: 61
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PCB.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1050.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene						CAS #: 877-09-8	
4.645	4.637	0.008	59354	0.00980	0.0000093365		

---

1 Aroclor-1221 CAS #: 11104-28-2

Peaks not detected for Quant. or Qual. signal(s).

---

4 Aroclor-1016 CAS #: 12674-11-2

Peaks not detected for Quant. or Qual. signal(s).

---

5 Aroclor-1242 CAS #: 53469-21-9

Peaks not detected for Quant. or Qual. signal(s).

Data File: \\pitsvr06\d\chem\gc8.i\08292Aa8082ll.b\O0821097.D
Report Date: 30-Aug-2012 12:05

```
                                        CONCENTRATIONS
                                        ON-COL    FINAL
  RT   EXP RT   DLT RT         RESPONSE (   ng)  ( ug/L)   TARGET RANGE    RATIO
 ==== ======== ========        ======== =======  =======   ============    =====

    6 Aroclor-1248                                CAS #: 12672-29-6

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
    3 Aroclor-1232                                CAS #: 11141-16-5

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
    7 Aroclor-1254                                CAS #: 11097-69-1

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
    9 Aroclor-1262                                CAS #: 37324-23-5

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
    8 Aroclor-1260                                CAS #: 11096-82-5

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   10 Aroclor-1268                                CAS #: 11100-14-4

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
$  11 DCB Decachlorobiphenyl (Surr)               CAS #: 2051-24-3
15.798  15.792    0.006           38533 0.01711  0.000016297                   (R)
-------------------------------------------------------------------------------
```

QC Flag Legend

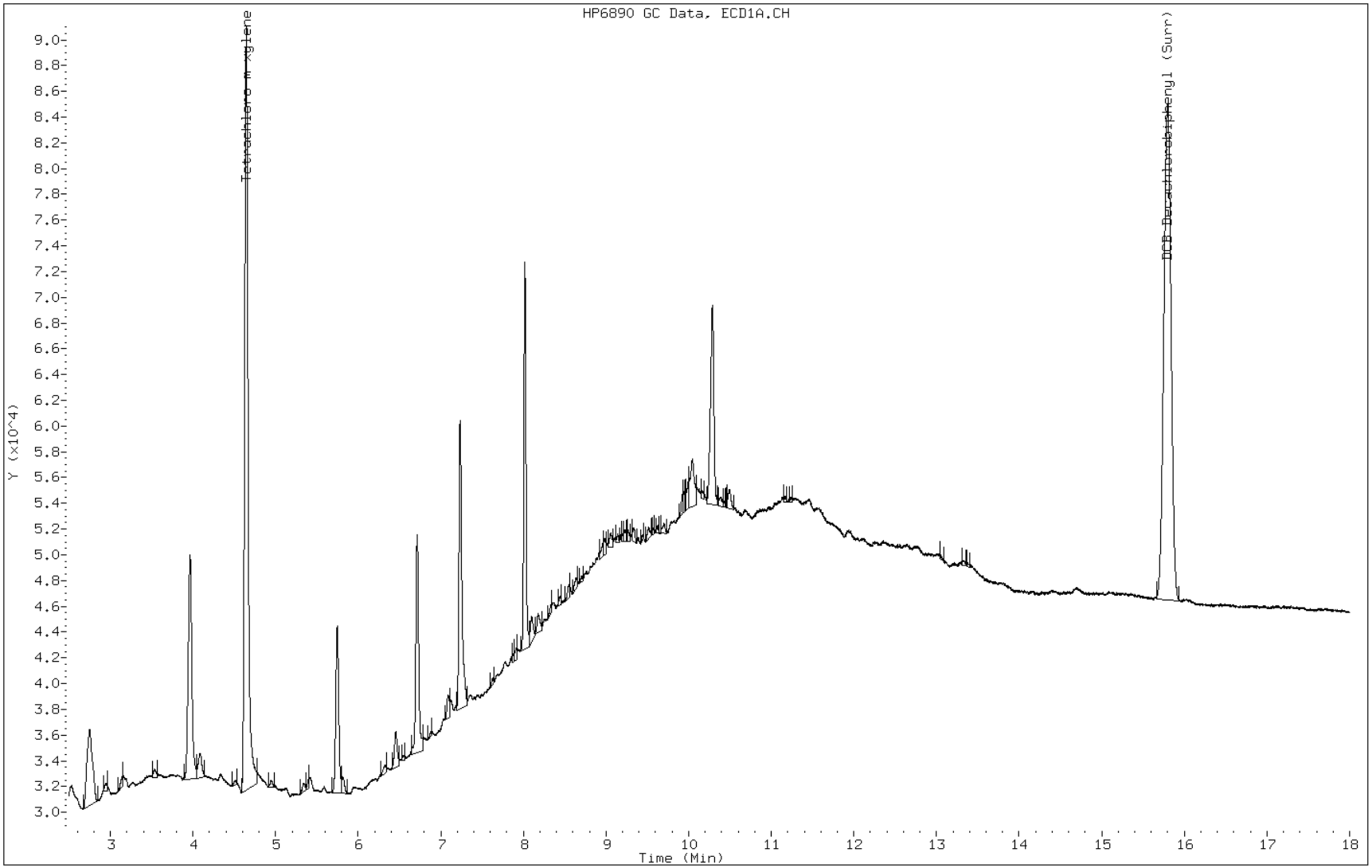
R - Spike/Surrogate failed recovery limits.

Data File: O0821097.D

Date: 30-AUG-2012 05:10

Client ID: MW-107 Instrument: gc8.i

Sample Info: 08292Aa8082ll.b Operator: 402360



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID: MW-113
Lab Sample ID: 180-13537-4
Matrix: Water
Lab File ID: O0821098.D
Analysis Method: 8082
Date Collected: 08/16/2012 09:30
Extraction Method: 3510C
Date Extracted: 08/20/2012 13:55
Sample wt/vol: 1050(mL)
Date Analyzed: 08/30/2012 05:34
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-50 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 47722
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.0095	0.0024
11104-28-2	PCB-1221	ND		0.0095	0.0024
11141-16-5	PCB-1232	ND		0.0095	0.0028
53469-21-9	PCB-1242	ND		0.0095	0.0018
12672-29-6	PCB-1248	ND		0.0095	0.0022
11097-69-1	PCB-1254	ND		0.0095	0.0022
11096-82-5	PCB-1260	ND		0.0095	0.0013

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	91		50-140
877-09-8	Tetrachloro-m-xylene	44	X	47-150

Data File: \\pitsvr06\d\chem\gc8.i\08292Aa8082ll.b\O0821098.D
Report Date: 30-Aug-2012 12:06

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc8.i\08292Aa8082ll.b\O0821098.D
Lab Smp Id: 180-13537-F-4-A Client Smp ID: MW-113
Inj Date : 30-AUG-2012 05:34
Operator : 402360 Inst ID: gc8.i
Smp Info : 08292Aa8082ll.b
Misc Info : 180-13537-F-4-A
Comment   : 8082 PCB ANALYSIS
Method   : \\pitsvr06\d\chem\gc8.i\08292Aa8082ll.b\PCBALL.m
Meth Date : 30-Aug-2012 12:04 gc8.i Quant Type: ESTD
Cal Date : 28-JUN-2012 20:13 Cal File: O0620726.D
Als bottle: 62
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PCB.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1050.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.645	4.637	0.008	53765	0.00888	0.0000084574		(R)
1 Aroclor-1221					CAS #: 11104-28-2		
Peaks not detected for Quant. or Qual. signal(s).							
4 Aroclor-1016					CAS #: 12674-11-2		
Peaks not detected for Quant. or Qual. signal(s).							
5 Aroclor-1242					CAS #: 53469-21-9		
Peaks not detected for Quant. or Qual. signal(s).							

Data File: \\pitsvr06\d\chem\gc8.i\08292Aa8082ll.b\O0821098.D
Report Date: 30-Aug-2012 12:06

```
                                        CONCENTRATIONS
                                        ON-COL    FINAL
  RT   EXP RT   DLT RT         RESPONSE (   ng)  ( ug/L)   TARGET RANGE    RATIO
 ==== ======== ========        ======== =======  =======   ============    =====

    6 Aroclor-1248                                CAS #: 12672-29-6

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
    3 Aroclor-1232                                CAS #: 11141-16-5

Operator disabled compound identification.
-------------------------------------------------------------------------------
    7 Aroclor-1254                                CAS #: 11097-69-1

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
    9 Aroclor-1262                                CAS #: 37324-23-5

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
    8 Aroclor-1260                                CAS #: 11096-82-5

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   10 Aroclor-1268                                CAS #: 11100-14-4

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
$  11 DCB Decachlorobiphenyl (Surr)               CAS #: 2051-24-3
15.791  15.792   -0.001           41062 0.01824  0.000017367                    (R)
-------------------------------------------------------------------------------
```

QC Flag Legend

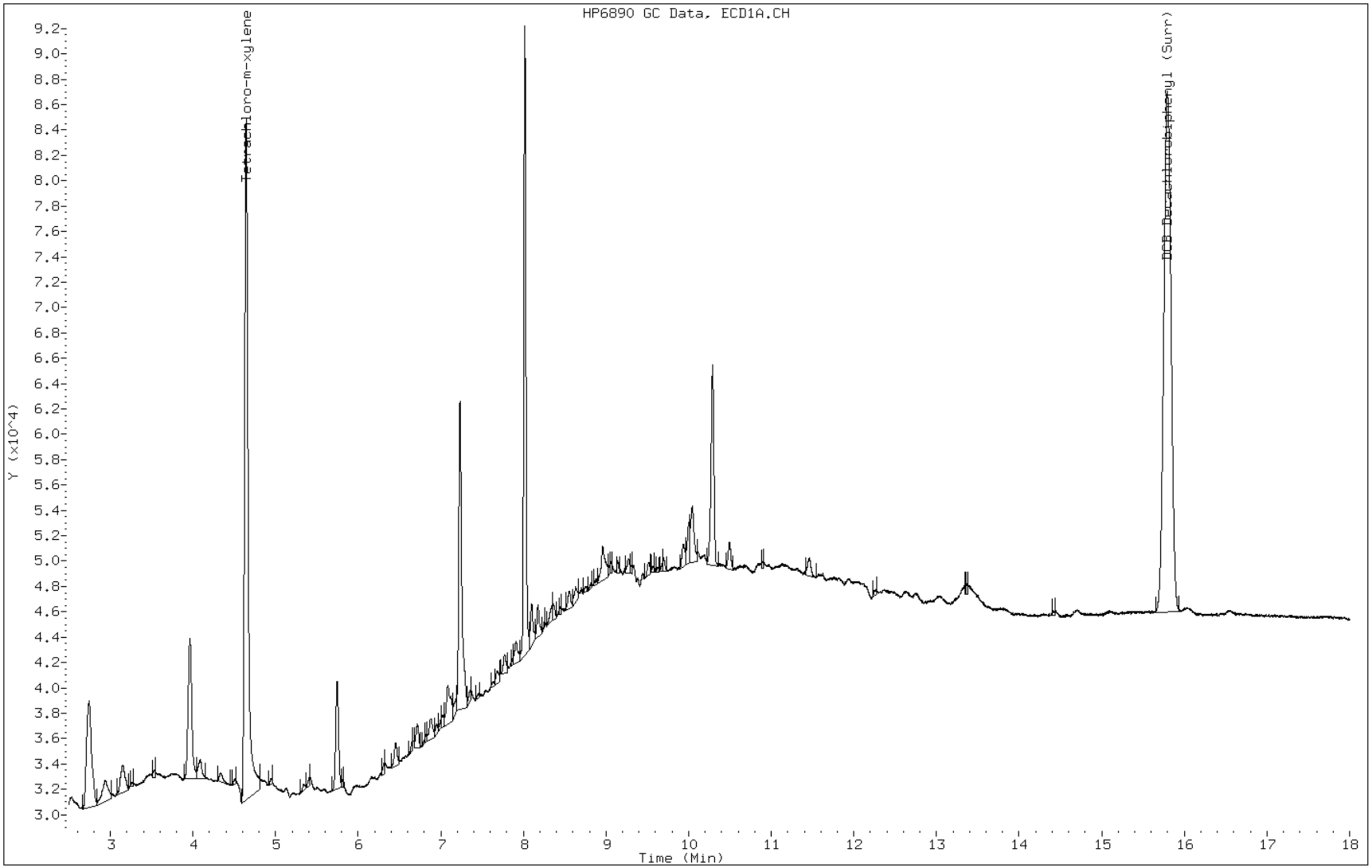
R - Spike/Surrogate failed recovery limits.

Data File: O0821098.D

Date: 30-AUG-2012 05:34

Client ID: MW-113 Instrument: gc8.i

Sample Info: 08292Aa8082ll.b Operator: 402360



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID: MW-110
Lab Sample ID: 180-13537-5
Matrix: Water
Lab File ID: O0821099.D
Analysis Method: 8082
Date Collected: 08/16/2012 11:40
Extraction Method: 3510C
Date Extracted: 08/20/2012 13:55
Sample wt/vol: 1060(mL)
Date Analyzed: 08/30/2012 05:59
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-50 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 47722
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.0094	0.0024
11104-28-2	PCB-1221	ND		0.0094	0.0023
11141-16-5	PCB-1232	ND		0.0094	0.0028
53469-21-9	PCB-1242	ND		0.0094	0.0018
12672-29-6	PCB-1248	ND		0.0094	0.0021
11097-69-1	PCB-1254	ND		0.0094	0.0022
11096-82-5	PCB-1260	ND		0.0094	0.0013

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	91		50-140
877-09-8	Tetrachloro-m-xylene	42	X	47-150

Data File: \\pitsvr06\d\chem\gc8.i\08292Aa8082ll.b\O0821099.D
Report Date: 30-Aug-2012 12:05

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc8.i\08292Aa8082ll.b\O0821099.D
Lab Smp Id: 180-13537-H-5-A Client Smp ID: MW-110
Inj Date : 30-AUG-2012 05:59
Operator : 402360 Inst ID: gc8.i
Smp Info : 08292Aa8082ll.b
Misc Info : 180-13537-H-5-A
Comment   : 8082 PCB ANALYSIS
Method   : \\pitsvr06\d\chem\gc8.i\08292Aa8082ll.b\PCBALL.m
Meth Date : 30-Aug-2012 12:04 gc8.i Quant Type: ESTD
Cal Date : 28-JUN-2012 20:13 Cal File: O0620726.D
Als bottle: 63
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PCB.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1060.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.643	4.637	0.006	51281	0.00847	0.0000079905		(R)
1 Aroclor-1221					CAS #: 11104-28-2		
Peaks not detected for Quant. or Qual. signal(s).							
4 Aroclor-1016					CAS #: 12674-11-2		
Peaks not detected for Quant. or Qual. signal(s).							
5 Aroclor-1242					CAS #: 53469-21-9		
Peaks not detected for Quant. or Qual. signal(s).							

Data File: \\pitsvr06\d\chem\gc8.i\08292Aa8082ll.b\O0821099.D
Report Date: 30-Aug-2012 12:05

```
                                        CONCENTRATIONS
                                        ON-COL    FINAL
  RT   EXP RT   DLT RT         RESPONSE (   ng)  ( ug/L)   TARGET RANGE    RATIO
 ==== ======== ========        ======== =======  =======   ============    =====

    6 Aroclor-1248                                CAS #: 12672-29-6

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
    3 Aroclor-1232                                CAS #: 11141-16-5

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
    7 Aroclor-1254                                CAS #: 11097-69-1

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
    9 Aroclor-1262                                CAS #: 37324-23-5

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
    8 Aroclor-1260                                CAS #: 11096-82-5

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   10 Aroclor-1268                                CAS #: 11100-14-4

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
$  11 DCB Decachlorobiphenyl (Surr)               CAS #: 2051-24-3
15.797  15.792    0.005           40765 0.01810  0.000017079                    (R)
-------------------------------------------------------------------------------
```

QC Flag Legend

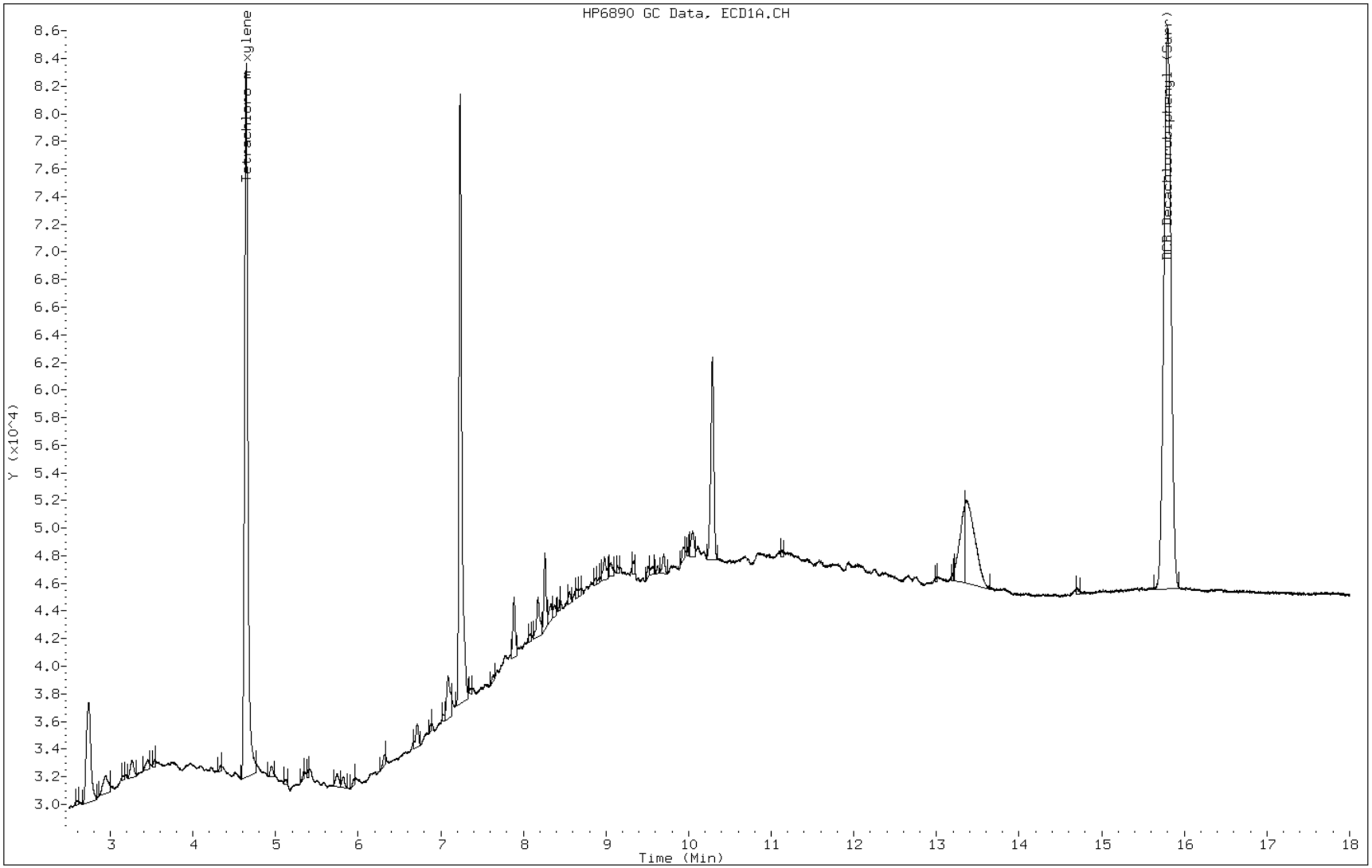
R - Spike/Surrogate failed recovery limits.

Data File: O0821099.D

Date: 30-AUG-2012 05:59

Client ID: MW-110 Instrument: gc8.i

Sample Info: 08292Aa8082ll.b Operator: 402360



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID: MW-102
Lab Sample ID: 180-13537-6
Matrix: Water
Lab File ID: O0821100.D
Analysis Method: 8082
Date Collected: 08/16/2012 12:00
Extraction Method: 3510C
Date Extracted: 08/20/2012 19:08
Sample wt/vol: 1050(mL)
Date Analyzed: 08/30/2012 06:23
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-50 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 47722
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.0095	0.0024
11104-28-2	PCB-1221	ND		0.0095	0.0024
11141-16-5	PCB-1232	ND		0.0095	0.0028
53469-21-9	PCB-1242	ND		0.0095	0.0018
12672-29-6	PCB-1248	ND		0.0095	0.0022
11097-69-1	PCB-1254	ND		0.0095	0.0022
11096-82-5	PCB-1260	0.16		0.0095	0.0013

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	137		50-140
877-09-8	Tetrachloro-m-xylene	43	X	47-150

Data File: \\pitsvr06\d\chem\gc8.i\08292Aa8082ll.b\O0821100.D
Report Date: 30-Aug-2012 12:07

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc8.i\08292Aa8082ll.b\O0821100.D
Lab Smp Id: 180-13537-G-6-B Client Smp ID: MW-102
Inj Date : 30-AUG-2012 06:23
Operator : 402360 Inst ID: gc8.i
Smp Info : 08292Aa8082ll.b
Misc Info : 180-13537-G-6-B
Comment   : 8082 PCB ANALYSIS
Method   : \\pitsvr06\d\chem\gc8.i\08292Aa8082ll.b\PCBALL.m
Meth Date : 30-Aug-2012 12:04 gc8.i Quant Type: ESTD
Cal Date : 28-JUN-2012 20:13 Cal File: O0620726.D
Als bottle: 64
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PCB.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1.000	Volume of final extract (uL)
Vo	1050.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.646	4.637	0.009	52329	0.00864	0.0000082315		(R)
1 Aroclor-1221					CAS #: 11104-28-2		
Peaks not detected for Quant. or Qual. signal(s).							
4 Aroclor-1016					CAS #: 12674-11-2		
Operator disabled compound identification.							
5 Aroclor-1242					CAS #: 53469-21-9		
Operator disabled compound identification.							

Data File: \\pitsvr06\d\chem\gc8.i\08292Aa8082ll.b\O0821100.D
Report Date: 30-Aug-2012 12:07

```
                                        CONCENTRATIONS
                                        ON-COL    FINAL
  RT   EXP RT   DLT RT         RESPONSE (   ng)  ( ug/L)   TARGET RANGE    RATIO
 ==== ======== ========        ======== =======  =======   ============    =====

    6 Aroclor-1248                                CAS #: 12672-29-6

Operator disabled compound identification.
-------------------------------------------------------------------------------
    3 Aroclor-1232                                CAS #: 11141-16-5

Operator disabled compound identification.
-------------------------------------------------------------------------------
    7 Aroclor-1254                                CAS #: 11097-69-1

Operator disabled compound identification.
-------------------------------------------------------------------------------
    9 Aroclor-1262                                CAS #: 37324-23-5

Operator disabled compound identification.
-------------------------------------------------------------------------------
    8 Aroclor-1260                                CAS #: 11096-82-5
9.441    9.439    0.002           62829 0.16398  0.00015617   0.00-   0.00     0.00(a)
9.577    9.576    0.001           79267 0.17249  0.00016428 115.86- 115.86     0.00
10.165  10.163    0.002           51154 0.15904  0.00015146 136.91- 136.91     0.00
10.254  10.251    0.003           52462 0.18931  0.00018030 140.00- 140.00     0.00
11.128  11.126    0.002           86358 0.16099  0.00015333 128.33- 128.33     0.00
               Average of Peak Concentrations = 0.00016111
-------------------------------------------------------------------------------
   10 Aroclor-1268                                CAS #: 11100-14-4

Operator disabled compound identification.
-------------------------------------------------------------------------------
$  11 DCB Decachlorobiphenyl (Surr)                CAS #: 2051-24-3
15.791  15.792   -0.001           61560 0.02734  0.000026036
-------------------------------------------------------------------------------
```

QC Flag Legend

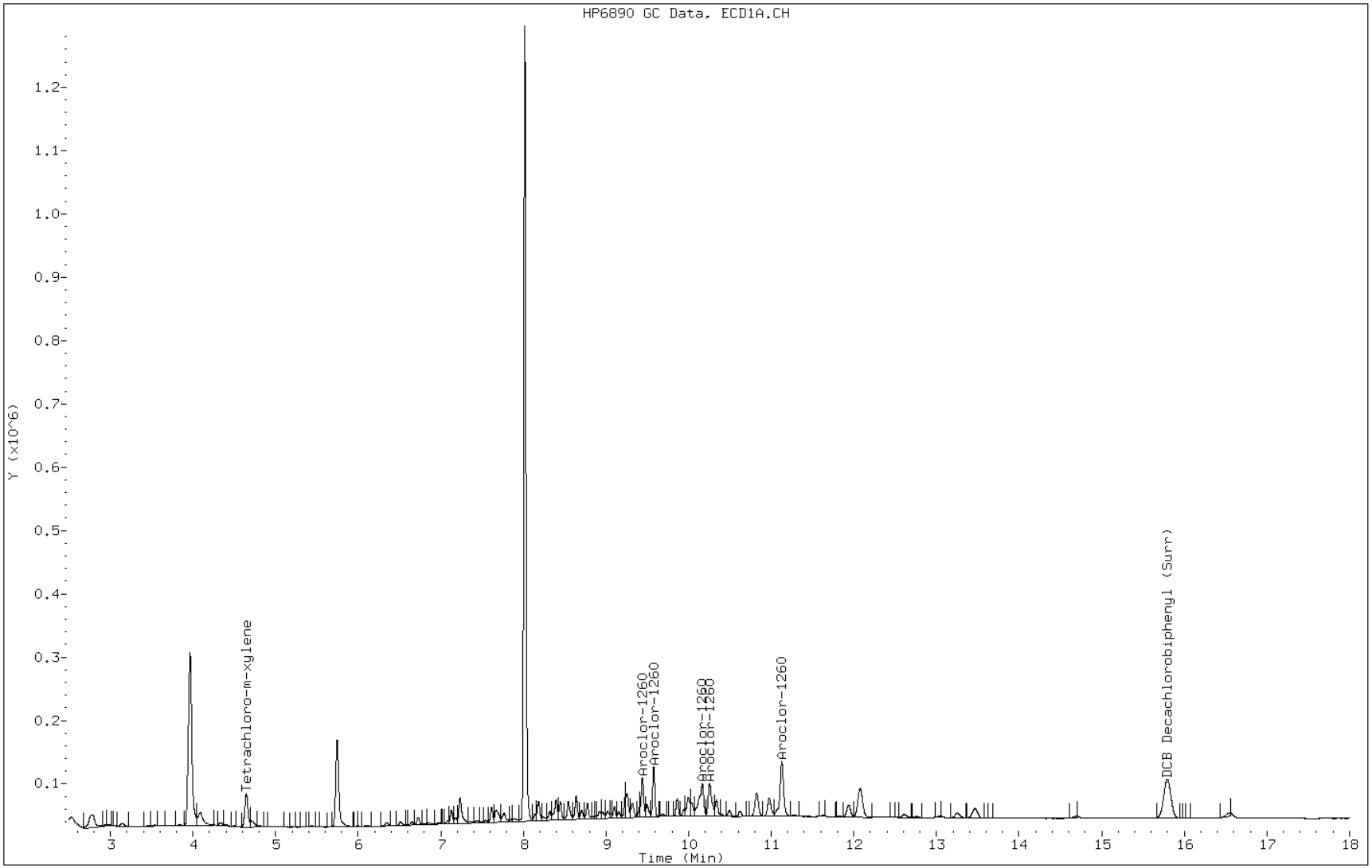
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: O0821100.D

Date: 30-AUG-2012 06:23

Client ID: MW-102 Instrument: gc8.i

Sample Info: 08292Aa8082ll.b Operator: 402360



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 41004

SDG No.:

Instrument ID: GC8 GC Column: RTX-50 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/28/2012 10:23 Calibration End Date: 06/28/2012 12:01 Calibration ID: 5606

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-41004/1	O0620702.D
Level 2	IC 180-41004/2	O0620703.D
Level 3	IC 180-41004/4	O0620705.D
Level 4	IC 180-41004/3	O0620704.D
Level 5	IC 180-41004/5	O0620706.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1221 Peak 1	5.416	5.419	5.418	5.416	5.418						5.374 - 5.434	5.417
PCB-1221 Peak 2	5.709	5.705	5.706	5.706	5.707						5.665 - 5.725	5.707
PCB-1221 Peak 3	5.827	5.827	5.827	5.827	5.827						5.785 - 5.845	5.827
PCB-1254 Peak 1	8.475	8.474	8.475	8.475	8.474						8.435 - 8.495	8.475
PCB-1254 Peak 2	8.786	8.785	8.786	8.785	8.785						8.747 - 8.807	8.785
PCB-1254 Peak 3	9.006	9.004	9.004	9.003	9.004						8.966 - 9.026	9.004
PCB-1254 Peak 4	9.100	9.100	9.101	9.100	9.100						9.062 - 9.122	9.100
PCB-1254 Peak 5	9.497	9.495	9.495	9.495	9.496						9.457 - 9.517	9.496

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 41004

SDG No.:

Instrument ID: GC8 GC Column: RTX-50 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/28/2012 10:23 Calibration End Date: 06/28/2012 12:01 Calibration ID: 5606

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-41004/1	O0620702.D
Level 2	IC 180-41004/2	O0620703.D
Level 3	IC 180-41004/4	O0620705.D
Level 4	IC 180-41004/3	O0620704.D
Level 5	IC 180-41004/5	O0620706.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
PCB-1221 Peak 1	56700 44727	53500	50156	47692	Ave		50555.0000				9.3		20.0			
PCB-1221 Peak 2	59000 40596	50620	46332	43392	Ave		47988.0000				15.0		20.0			
PCB-1221 Peak 3	201800 128674	157750	142048	133960	Ave		152846.400				19.3		20.0			
PCB-1254 Peak 1	231800 149401	181410	163932	154564	Ave		176221.400				18.9		20.0			
PCB-1254 Peak 2	215400 141841	174200	157116	146432	Ave		166997.800				17.8		20.0			
PCB-1254 Peak 3	164800 105338	133510	119052	110694	Ave		126678.800				18.8		20.0			
PCB-1254 Peak 4	182100 119569	149600	134108	125050	Ave		142085.400				17.7		20.0			
PCB-1254 Peak 5	480500 327546	375930	341988	333226	Ave		371838.000				17.1		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 41004

SDG No.:

Instrument ID: GC8 GC Column: RTX-50 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/28/2012 10:23 Calibration End Date: 06/28/2012 12:01 Calibration ID: 5606

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-41004/1	O0620702.D
Level 2	IC 180-41004/2	O0620703.D
Level 3	IC 180-41004/4	O0620705.D
Level 4	IC 180-41004/3	O0620704.D
Level 5	IC 180-41004/5	O0620706.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1221 Peak 1	Ave	567	5350	12539	23846	44727	0.0100	0.100	0.250	0.500	1.00
PCB-1221 Peak 2	Ave	590	5062	11583	21696	40596	0.0100	0.100	0.250	0.500	1.00
PCB-1221 Peak 3	Ave	2018	15775	35512	66980	128674	0.0100	0.100	0.250	0.500	1.00
PCB-1254 Peak 1	Ave	2318	18141	40983	77282	149401	0.0100	0.100	0.250	0.500	1.00
PCB-1254 Peak 2	Ave	2154	17420	39279	73216	141841	0.0100	0.100	0.250	0.500	1.00
PCB-1254 Peak 3	Ave	1648	13351	29763	55347	105338	0.0100	0.100	0.250	0.500	1.00
PCB-1254 Peak 4	Ave	1821	14960	33527	62525	119569	0.0100	0.100	0.250	0.500	1.00
PCB-1254 Peak 5	Ave	4805	37593	85497	166613	327546	0.0100	0.100	0.250	0.500	1.00

Curve Type Legend:
Ave = Average by Height

Data File: \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620702.D
Report Date: 07-Jul-2012 08:48

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620702.D
Lab Smp Id: IC- 417979
Inj Date : 28-JUN-2012 10:23
Operator : 402360 Inst ID: gc8.i
Smp Info : 063028082A.b
Misc Info : IC- 417979
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\PCBALL.m
Meth Date : 07-Jul-2012 08:48 gc8.i Quant Type: ESTD
Cal Date : 28-JUN-2012 20:13 Cal File: O0620726.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2154.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
1 Aroclor-1221					CAS #: 11104-28-2		
5.415	5.404	0.011	567	0.01000	0.011216	0.00- 0.00	0.00(a)
5.709	5.694	0.015	590	0.01000	0.012295	136.57- 136.57	0.00
5.827	5.814	0.013	2018	0.01000	0.013203	86.04- 86.04	0.00
		Average of Peak Amounts =			0.01224		
7 Aroclor-1254					CAS #: 11097-69-1		
8.474	8.464	0.010	2318	0.01000	0.013154	0.00- 0.00	0.00(a)
8.785	8.776	0.009	2154	0.01000	0.012898	112.23- 112.23	0.00
9.005	8.995	0.010	1648	0.01000	0.013009	97.40- 97.40	0.00
9.099	9.092	0.007	1821	0.01000	0.012816	71.09- 71.09	0.00
9.497	9.486	0.011	4805	0.01000	0.012922	85.01- 85.01	0.00
		Average of Peak Amounts =			0.01296		

QC Flag Legend

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

Data File: O0620702.D

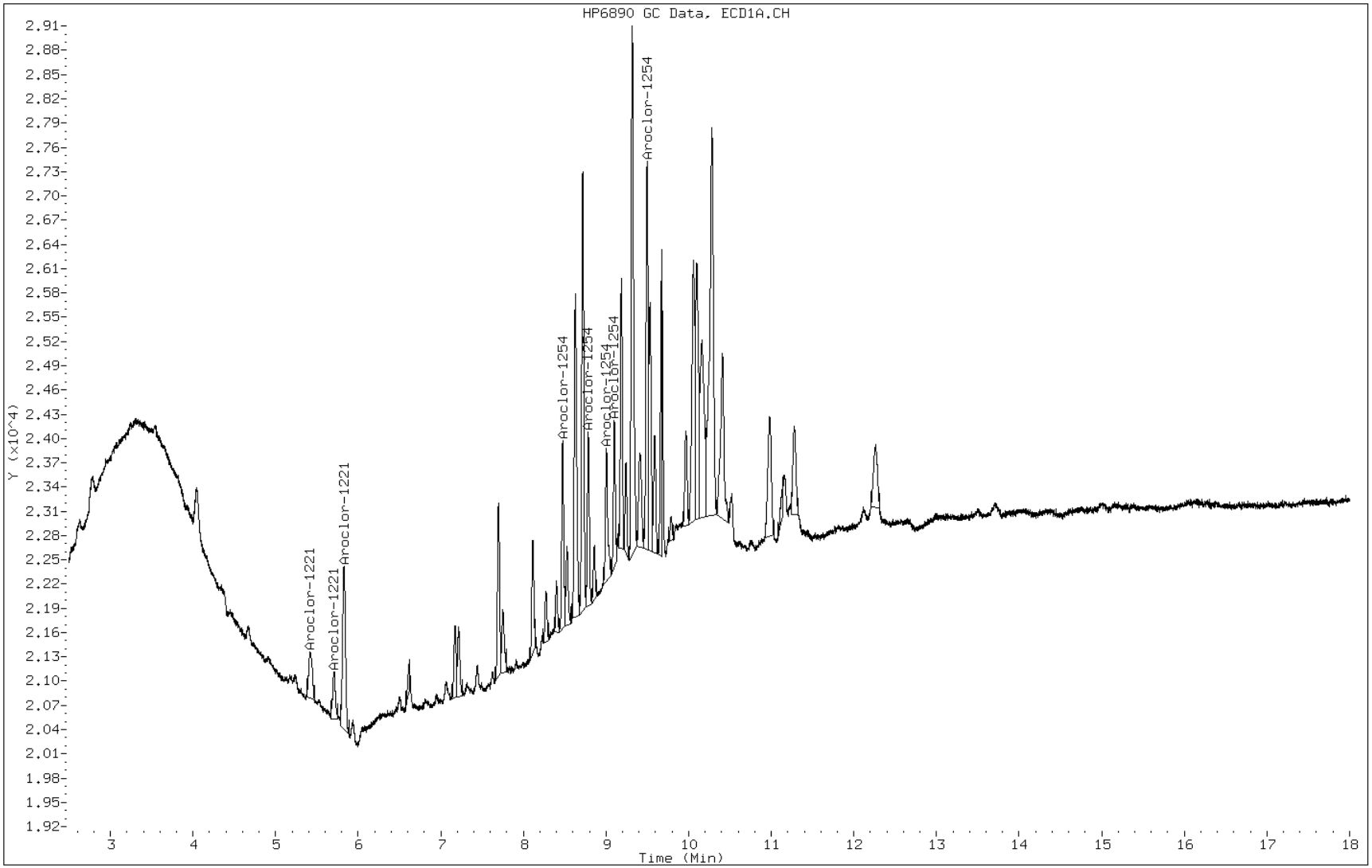
Date: 28-JUN-2012 10:23

Client ID:

Instrument: gc8.i

Sample Info: 063028082A.b

Operator: 402360



Data File: \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620703.D
Report Date: 07-Jul-2012 08:48

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620703.D
Lab Smp Id: IC-417980
Inj Date : 28-JUN-2012 10:47
Operator : 402360 Inst ID: gc8.i
Smp Info : 063028082A.b
Misc Info : IC-417980
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\PCBALL.m
Meth Date : 07-Jul-2012 08:48 gc8.i Quant Type: ESTD
Cal Date : 28-JUN-2012 17:45 Cal File: O0620720.D
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2154.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
1 Aroclor-1221					CAS #: 11104-28-2		
5.418	5.404	0.014	5350	0.10000	0.10582	0.00- 0.00	0.00(a)
5.704	5.694	0.010	5062	0.10000	0.10548	136.57- 136.57	0.00
5.827	5.814	0.013	15775	0.10000	0.10321	86.04- 86.04	0.00
		Average of Peak Amounts =			0.10484		
7 Aroclor-1254					CAS #: 11097-69-1		
8.473	8.464	0.009	18141	0.10000	0.10294	0.00- 0.00	0.00(a)
8.784	8.776	0.008	17420	0.10000	0.10431	112.23- 112.23	0.00
9.003	8.995	0.008	13351	0.10000	0.10539	97.40- 97.40	0.00
9.099	9.092	0.007	14960	0.10000	0.10529	71.09- 71.09	0.00
9.494	9.486	0.008	37593	0.10000	0.10110	85.01- 85.01	0.00
		Average of Peak Amounts =			0.10381		

QC Flag Legend

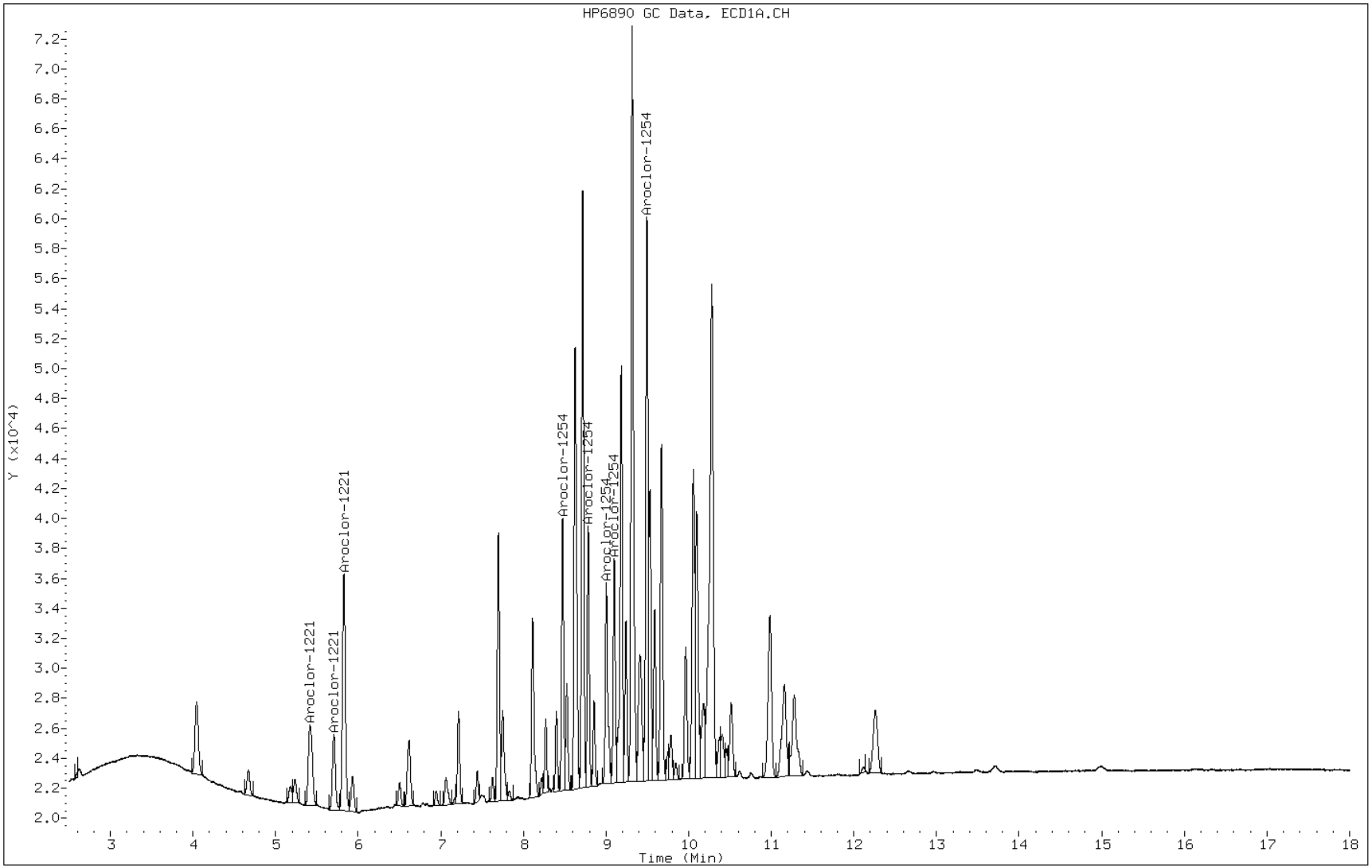
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: O0620703.D

Date: 28-JUN-2012 10:47

Client ID: Instrument: gc8.i

Sample Info: 063028082A.b Operator: 402360



Data File: \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620704.D
Report Date: 07-Jul-2012 08:48

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620704.D
Lab Smp Id: IC-417982
Inj Date : 28-JUN-2012 11:12
Operator : 402360 Inst ID: gc8.i
Smp Info : 063028082A.b
Misc Info : IC-417982
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\PCBALL.m
Meth Date : 07-Jul-2012 08:48 gc8.i Quant Type: ESTD
Cal Date : 28-JUN-2012 18:10 Cal File: O0620721.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2154.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
1 Aroclor-1221					CAS #: 11104-28-2		
5.416	5.404	0.012	23846	0.50000	0.47168	0.00- 0.00	0.00(a)
5.706	5.694	0.012	21696	0.50000	0.45211	136.57- 136.57	0.00
5.827	5.814	0.013	66980	0.50000	0.43822	86.04- 86.04	0.00
		Average of Peak Amounts =			0.45400		
7 Aroclor-1254					CAS #: 11097-69-1		
8.474	8.464	0.010	77282	0.50000	0.43855	0.00- 0.00	0.00(a)
8.784	8.776	0.008	73216	0.50000	0.43842	112.23- 112.23	0.00
9.003	8.995	0.008	55347	0.50000	0.43691	97.40- 97.40	0.00
9.099	9.092	0.007	62525	0.50000	0.44005	71.09- 71.09	0.00
9.494	9.486	0.008	166613	0.50000	0.44808	85.01- 85.01	0.00
		Average of Peak Amounts =			0.44040		

QC Flag Legend

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

Data File: O0620704.D

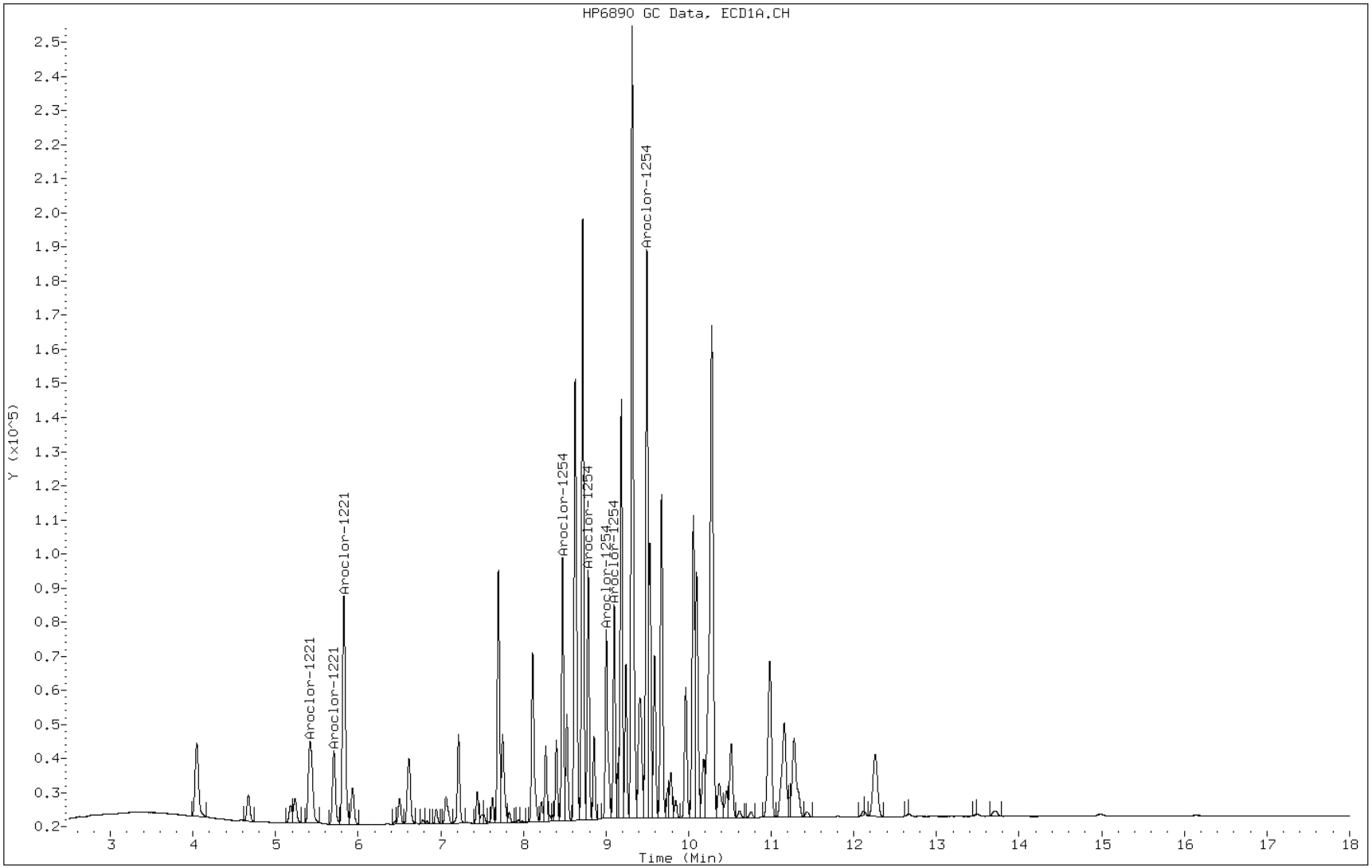
Date: 28-JUN-2012 11:12

Client ID:

Instrument: gc8.i

Sample Info: 063028082A.b

Operator: 402360



Data File: \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620705.D
Report Date: 07-Jul-2012 08:48

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620705.D
Lab Smp Id: IC-417981
Inj Date : 28-JUN-2012 11:37
Operator : 402360 Inst ID: gc8.i
Smp Info : 063028082A.b
Misc Info : IC-417981
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\PCBALL.m
Meth Date : 07-Jul-2012 08:48 gc8.i Quant Type: ESTD
Cal Date : 28-JUN-2012 18:59 Cal File: O0620723.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2154.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
1 Aroclor-1221					CAS #: 11104-28-2		
5.418	5.404	0.014	12539	0.25000	0.24803	0.00- 0.00	0.00(a)
5.705	5.694	0.011	11583	0.25000	0.24137	136.57- 136.57	0.00
5.827	5.814	0.013	35512	0.25000	0.23234	86.04- 86.04	0.00
Average of Peak Amounts =					0.24058		
7 Aroclor-1254					CAS #: 11097-69-1		
8.474	8.464	0.010	40983	0.25000	0.23256	0.00- 0.00	0.00(a)
8.785	8.776	0.009	39279	0.25000	0.23521	112.23- 112.23	0.00
9.004	8.995	0.009	29763	0.25000	0.23495	97.40- 97.40	0.00
9.100	9.092	0.008	33527	0.25000	0.23596	71.09- 71.09	0.00
9.494	9.486	0.008	85497	0.25000	0.22993	85.01- 85.01	0.00
Average of Peak Amounts =					0.23372		

QC Flag Legend

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

Data File: O0620705.D

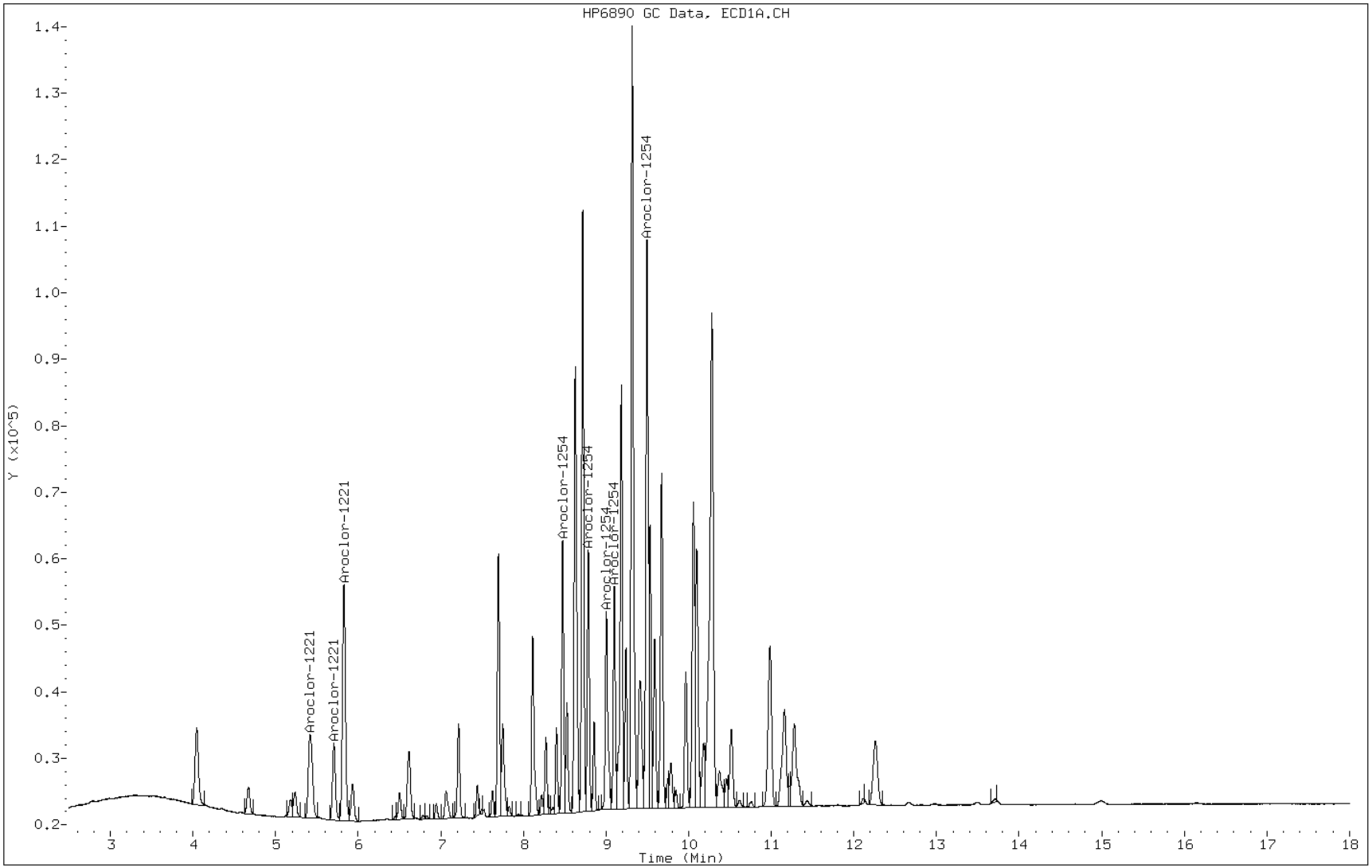
Date: 28-JUN-2012 11:37

Client ID:

Instrument: gc8.i

Sample Info: 063028082A.b

Operator: 402360



Data File: \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620706.D
Report Date: 07-Jul-2012 08:48

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620706.D
Lab Smp Id: IC-417988
Inj Date : 28-JUN-2012 12:01
Operator : 402360 Inst ID: gc8.i
Smp Info : 063028082A.b
Misc Info : IC-417988
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\PCBALL.m
Meth Date : 07-Jul-2012 08:48 gc8.i Quant Type: ESTD
Cal Date : 28-JUN-2012 18:34 Cal File: O0620722.D
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2154.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
1 Aroclor-1221					CAS #: 11104-28-2		
5.417	5.404	0.013	44727	1.00000	0.88472	0.00- 0.00	0.00(a)
5.706	5.694	0.012	40596	1.00000	0.84596	136.57- 136.57	0.00
5.826	5.814	0.012	128674	1.00000	0.84185	86.04- 86.04	0.00
		Average of Peak Amounts =			0.85751		
7 Aroclor-1254					CAS #: 11097-69-1		
8.474	8.464	0.010	149401	1.00000	0.84780	0.00- 0.00	0.00(a)
8.785	8.776	0.009	141841	1.00000	0.84936	112.23- 112.23	0.00
9.003	8.995	0.008	105338	1.00000	0.83154	97.40- 97.40	0.00
9.100	9.092	0.008	119569	1.00000	0.84153	71.09- 71.09	0.00
9.496	9.486	0.010	327546	1.00000	0.88088	85.01- 85.01	0.00
		Average of Peak Amounts =			0.85022		

QC Flag Legend

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

Data File: O0620706.D

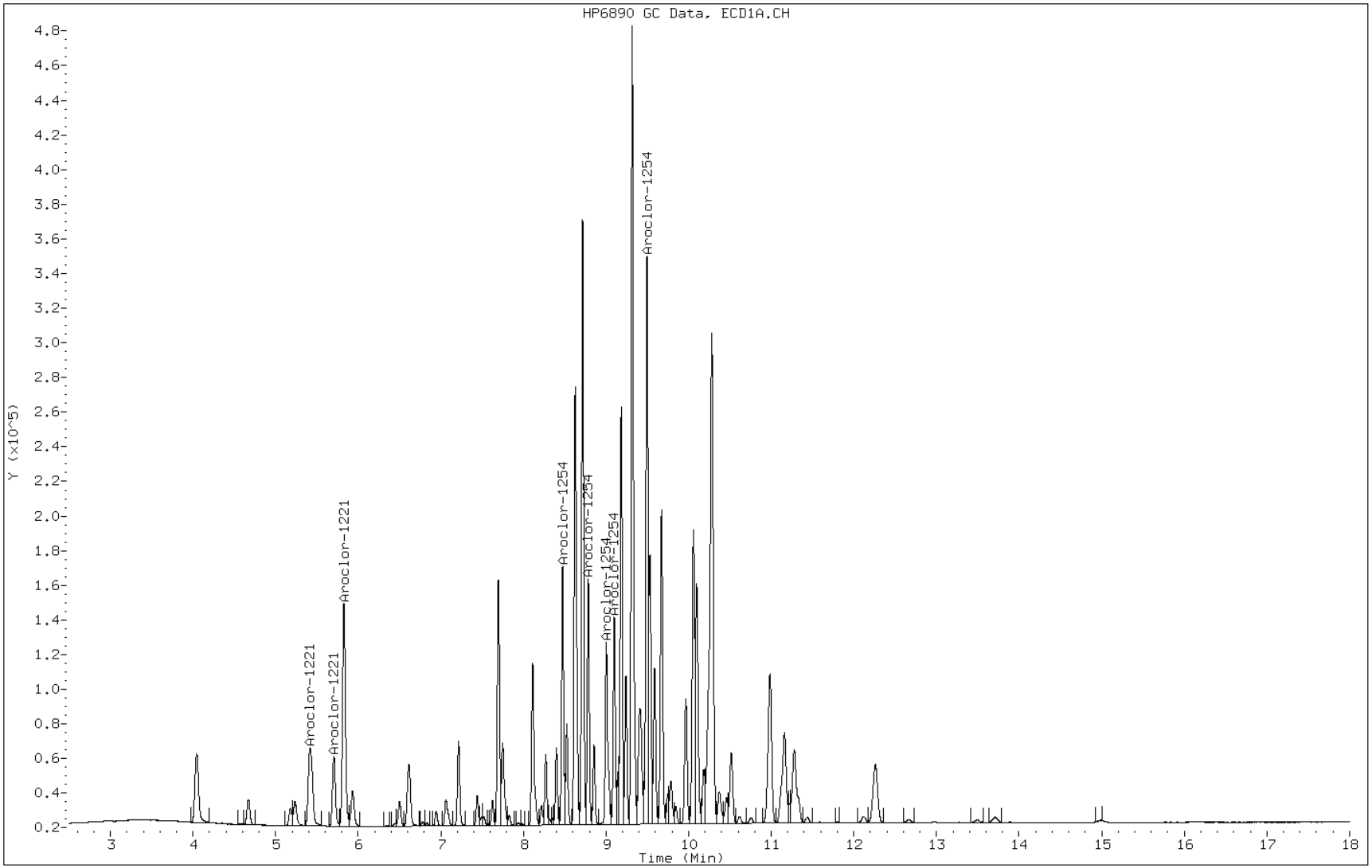
Date: 28-JUN-2012 12:01

Client ID:

Instrument: gc8.i

Sample Info: 063028082A.b

Operator: 402360



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 41004

SDG No.:

Instrument ID: GC8 GC Column: RTX-50 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/28/2012 12:26 Calibration End Date: 06/28/2012 14:04 Calibration ID: 5607

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-41004/6	O0620707.D
Level 2	IC 180-41004/7	O0620708.D
Level 3	IC 180-41004/8	O0620709.D
Level 4	IC 180-41004/9	O0620710.D
Level 5	IC 180-41004/10	O0620711.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1242 Peak 1	7.625	7.625	7.625	7.624	7.625						7.593 - 7.653	7.625
PCB-1242 Peak 2	7.698	7.698	7.698	7.697	7.697						7.665 - 7.725	7.697
PCB-1242 Peak 3	8.114	8.112	8.113	8.112	8.113						8.080 - 8.140	8.113
PCB-1242 Peak 4	8.401	8.400	8.400	8.399	8.400						8.367 - 8.427	8.400
PCB-1242 Peak 5	8.853	8.855	8.855	8.853	8.854						8.822 - 8.882	8.854

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 41004

SDG No.:

Instrument ID: GC8 GC Column: RTX-50 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/28/2012 12:26 Calibration End Date: 06/28/2012 14:04 Calibration ID: 5607

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-41004/6	O0620707.D
Level 2	IC 180-41004/7	O0620708.D
Level 3	IC 180-41004/8	O0620709.D
Level 4	IC 180-41004/9	O0620710.D
Level 5	IC 180-41004/10	O0620711.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
PCB-1242 Peak 1	167400 116738	142160	126424	123044	Ave		135153.200				15.0		20.0			
PCB-1242 Peak 2	157300 98862	129770	110676	107708	Ave		120863.200				19.3		20.0			
PCB-1242 Peak 3	255200 161576	201660	176096	169532	Ave		192812.800				19.7		20.0			
PCB-1242 Peak 4	136700 92053	112360	104284	98142	Ave		108707.800				16.0		20.0			
PCB-1242 Peak 5	266300 178413	215260	191244	185976	Ave		207438.600				17.2		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 41004

SDG No.:

Instrument ID: GC8 GC Column: RTX-50 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/28/2012 12:26 Calibration End Date: 06/28/2012 14:04 Calibration ID: 5607

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-41004/6	O0620707.D
Level 2	IC 180-41004/7	O0620708.D
Level 3	IC 180-41004/8	O0620709.D
Level 4	IC 180-41004/9	O0620710.D
Level 5	IC 180-41004/10	O0620711.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1242 Peak 1	Ave	1674	14216	31606	61522	116738	0.0100	0.100	0.250	0.500	1.00
PCB-1242 Peak 2	Ave	1573	12977	27669	53854	98862	0.0100	0.100	0.250	0.500	1.00
PCB-1242 Peak 3	Ave	2552	20166	44024	84766	161576	0.0100	0.100	0.250	0.500	1.00
PCB-1242 Peak 4	Ave	1367	11236	26071	49071	92053	0.0100	0.100	0.250	0.500	1.00
PCB-1242 Peak 5	Ave	2663	21526	47811	92988	178413	0.0100	0.100	0.250	0.500	1.00

Curve Type Legend:

Ave = Average by Height

Data File: \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620707.D
Report Date: 07-Jul-2012 08:48

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620707.D
Lab Smp Id: IC-418050
Inj Date : 28-JUN-2012 12:26
Operator : 402360 Inst ID: gc8.i
Smp Info : 063028082A.b
Misc Info : IC-418050
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\PCBALL.m
Meth Date : 07-Jul-2012 08:48 gc8.i Quant Type: ESTD
Cal Date : 28-JUN-2012 19:23 Cal File: O0620724.D
Als bottle: 7 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1242.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
5 Aroclor-1242					CAS #: 53469-21-9		
7.624	7.622	0.002	1674	0.01000	0.012386	0.00- 0.00	0.00(a)
7.698	7.695	0.003	1573	0.01000	0.013015	330.13- 330.13	0.00
8.113	8.110	0.003	2552	0.01000	0.013236	769.70- 769.70	0.00
8.400	8.397	0.003	1367	0.01000	0.012575	532.48- 532.48	0.00
8.853	8.852	0.001	2663	0.01000	0.012838	334.30- 334.30	0.00
		Average of Peak Amounts =			0.01281		

QC Flag Legend

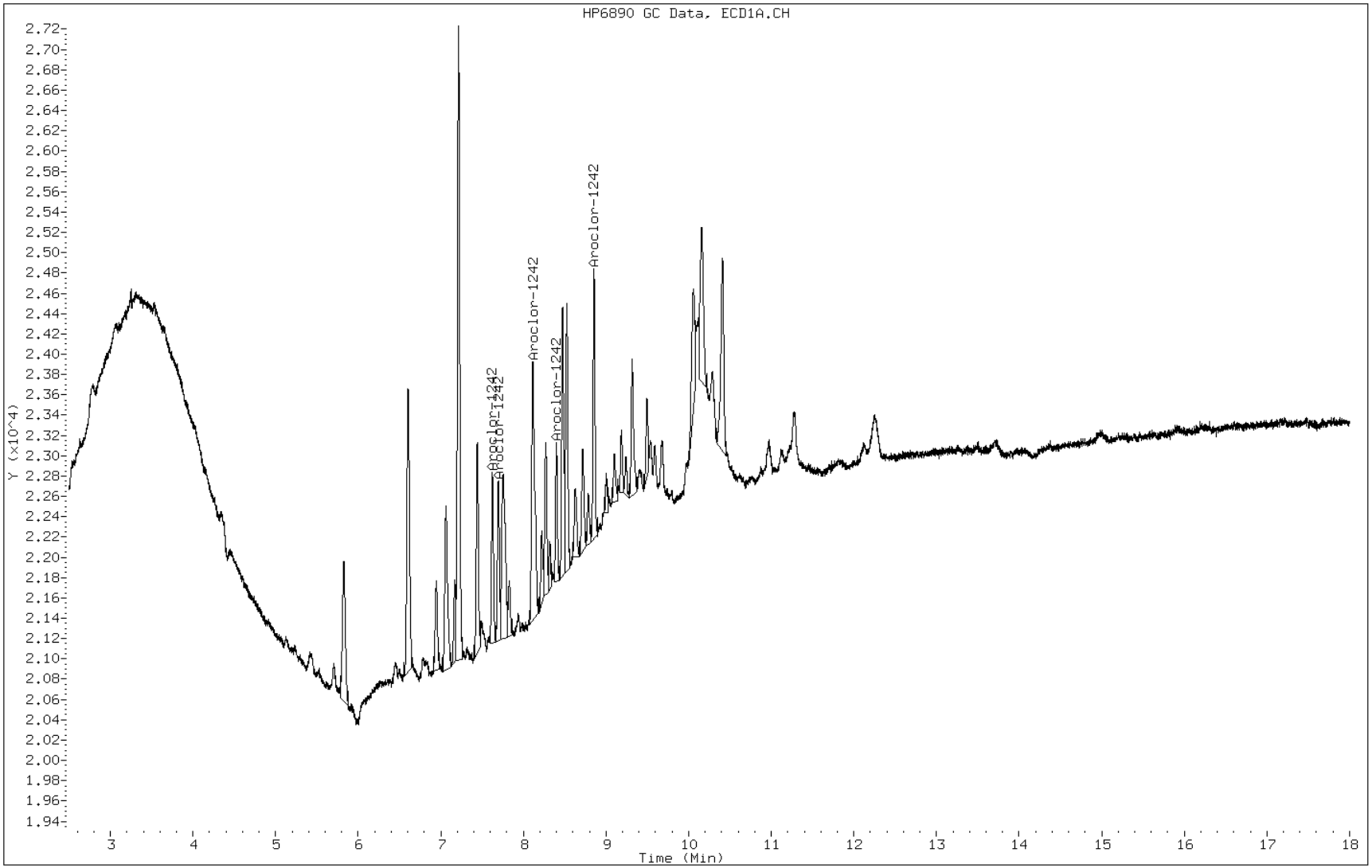
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: O0620707.D

Date: 28-JUN-2012 12:26

Client ID: Instrument: gc8.i

Sample Info: 063028082A.b Operator: 402360



Data File: \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620708.D
Report Date: 07-Jul-2012 08:48

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620708.D
Lab Smp Id: IC-418051
Inj Date : 28-JUN-2012 12:50
Operator : 402360 Inst ID: gc8.i
Smp Info : 063028082A.b
Misc Info : IC-418051
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\PCBALL.m
Meth Date : 07-Jul-2012 08:48 gc8.i Quant Type: ESTD
Cal Date : 28-JUN-2012 17:45 Cal File: O0620720.D
Als bottle: 8 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1242.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
5 Aroclor-1242					CAS #: 53469-21-9		
7.624	7.622	0.002	14216	0.10000	0.10518	0.00- 0.00	0.00(a)
7.698	7.695	0.003	12977	0.10000	0.10737	330.13- 330.13	0.00
8.112	8.110	0.002	20166	0.10000	0.10459	769.70- 769.70	0.00
8.399	8.397	0.002	11236	0.10000	0.10336	532.48- 532.48	0.00
8.854	8.852	0.002	21526	0.10000	0.10377	334.30- 334.30	0.00
		Average of Peak Amounts =			0.10485		

QC Flag Legend

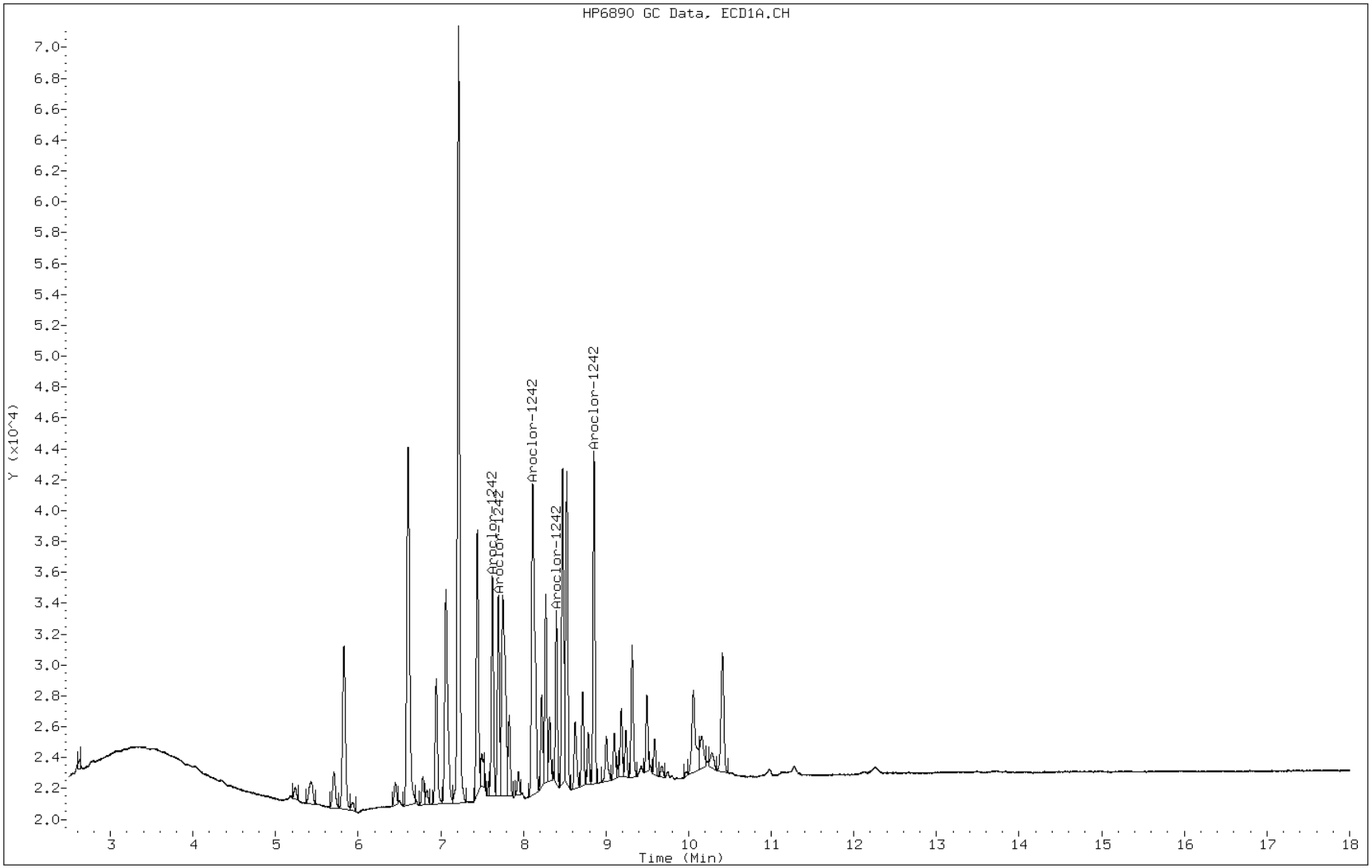
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: O0620708.D

Date: 28-JUN-2012 12:50

Client ID: Instrument: gc8.i

Sample Info: 063028082A.b Operator: 402360



Data File: \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620709.D
Report Date: 07-Jul-2012 08:48

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620709.D
Lab Smp Id: IC-418052
Inj Date : 28-JUN-2012 13:15
Operator : 402360 Inst ID: gc8.i
Smp Info : 063028082A.b
Misc Info : IC-418052
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\PCBALL.m
Meth Date : 07-Jul-2012 08:48 gc8.i Quant Type: ESTD
Cal Date : 28-JUN-2012 18:10 Cal File: O0620721.D
Als bottle: 9 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1242.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
5 Aroclor-1242					CAS #: 53469-21-9		
7.625	7.622	0.003	31606	0.25000	0.23385	0.00- 0.00	0.00(a)
7.697	7.695	0.002	27669	0.25000	0.22893	330.13- 330.13	0.00
8.113	8.110	0.003	44024	0.25000	0.22832	769.70- 769.70	0.00
8.400	8.397	0.003	26071	0.25000	0.23983	532.48- 532.48	0.00
8.855	8.852	0.003	47811	0.25000	0.23048	334.30- 334.30	0.00
		Average of Peak Amounts =			0.23228		

QC Flag Legend

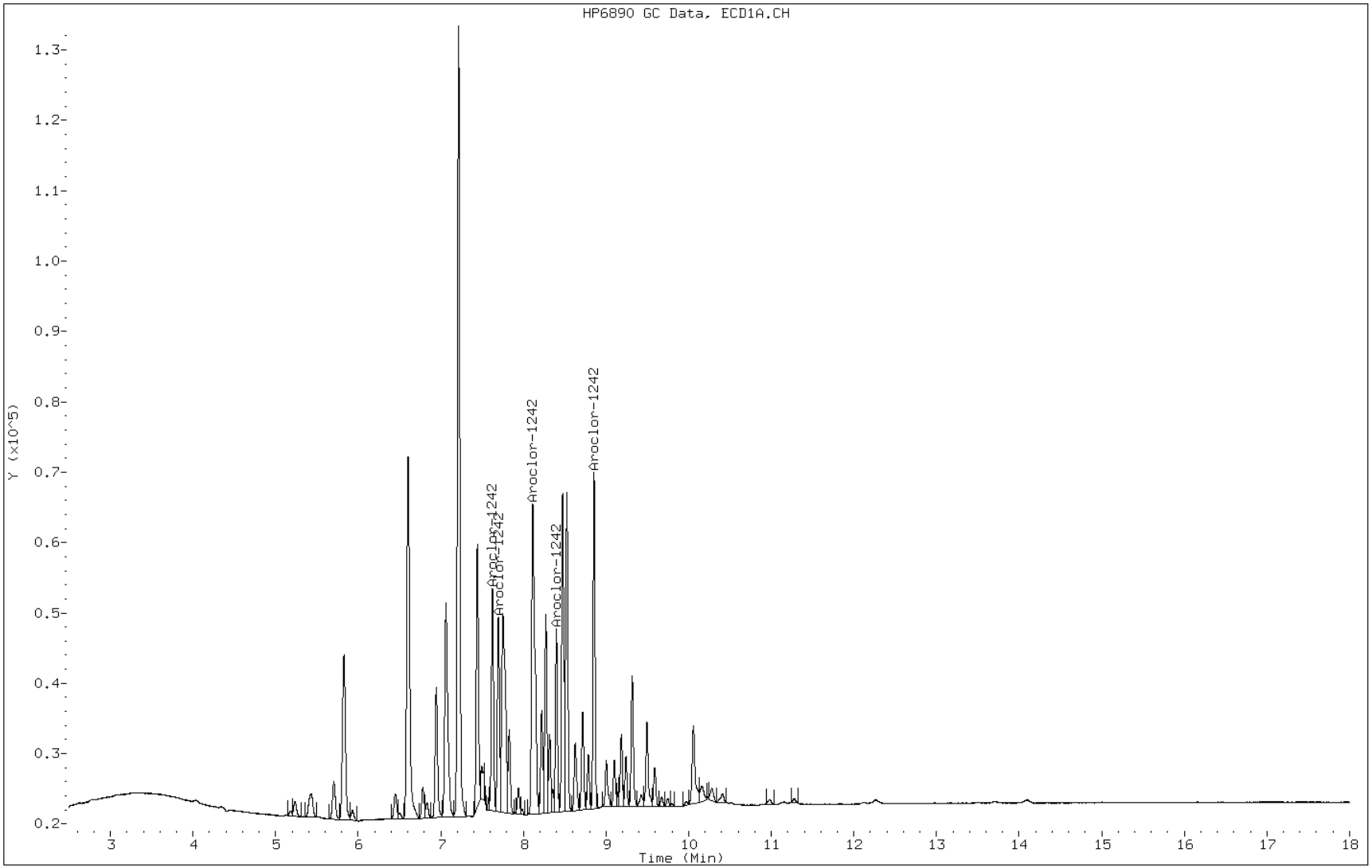
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: O0620709.D

Date: 28-JUN-2012 13:15

Client ID: Instrument: gc8.i

Sample Info: 063028082A.b Operator: 402360



Data File: \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620710.D
Report Date: 07-Jul-2012 08:48

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620710.D
Lab Smp Id: IC-418055
Inj Date : 28-JUN-2012 13:39
Operator : 402360 Inst ID: gc8.i
Smp Info : 063028082A.b
Misc Info : IC-418055
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\PCBALL.m
Meth Date : 07-Jul-2012 08:48 gc8.i Quant Type: ESTD
Cal Date : 28-JUN-2012 18:34 Cal File: O0620722.D
Als bottle: 10 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1242.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
5 Aroclor-1242					CAS #: 53469-21-9		
7.624	7.622	0.002	61522	0.50000	0.45520	0.00- 0.00	0.00(a)
7.696	7.695	0.001	53854	0.50000	0.44558	330.13- 330.13	0.00
8.112	8.110	0.002	84766	0.50000	0.43963	769.70- 769.70	0.00
8.399	8.397	0.002	49071	0.50000	0.45140	532.48- 532.48	0.00
8.853	8.852	0.001	92988	0.50000	0.44827	334.30- 334.30	0.00
		Average of Peak Amounts =			0.44802		

QC Flag Legend

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

Data File: O0620710.D

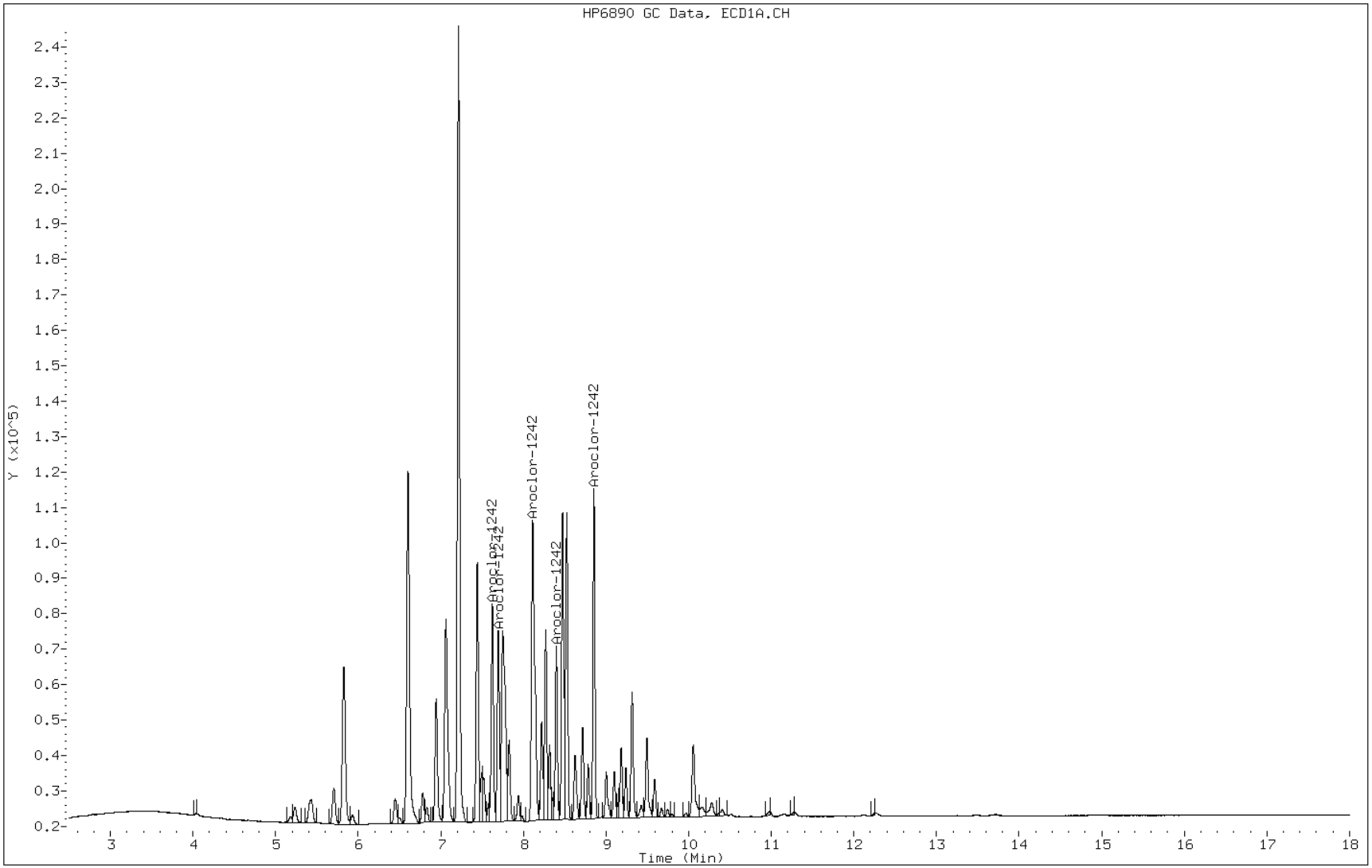
Date: 28-JUN-2012 13:39

Client ID:

Instrument: gc8.i

Sample Info: 063028082A.b

Operator: 402360



Data File: \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620711.D
Report Date: 07-Jul-2012 08:48

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620711.D
Lab Smp Id: IC-418056
Inj Date : 28-JUN-2012 14:04
Operator : 402360 Inst ID: gc8.i
Smp Info : 063028082A.b
Misc Info : IC-418056
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\PCBALL.m
Meth Date : 07-Jul-2012 08:48 gc8.i Quant Type: ESTD
Cal Date : 28-JUN-2012 18:59 Cal File: O0620723.D
Als bottle: 11 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1242.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
5 Aroclor-1242					CAS #: 53469-21-9		
7.625	7.622	0.003	116738	1.00000	0.86374	0.00- 0.00	0.00(a)
7.697	7.695	0.002	98862	1.00000	0.81797	330.13- 330.13	0.00
8.112	8.110	0.002	161576	1.00000	0.83799	769.70- 769.70	0.00
8.399	8.397	0.002	92053	1.00000	0.84679	532.48- 532.48	0.00
8.853	8.852	0.001	178413	1.00000	0.86008	334.30- 334.30	0.00
			Average of Peak Amounts =		0.84531		

QC Flag Legend

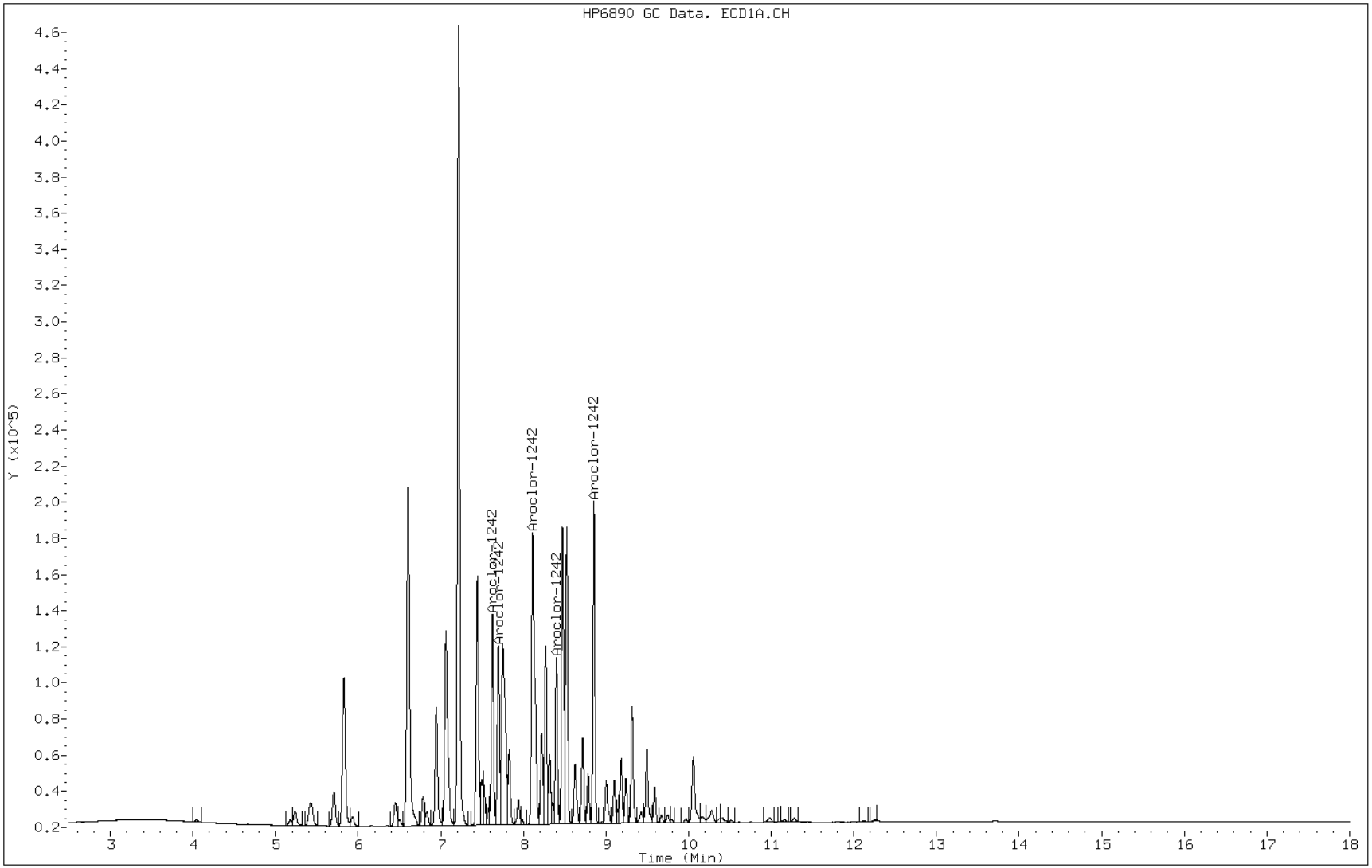
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: O0620711.D

Date: 28-JUN-2012 14:04

Client ID: Instrument: gc8.i

Sample Info: 063028082A.b Operator: 402360



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 41004

SDG No.:

Instrument ID: GC8 GC Column: RTX-50 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/28/2012 14:29 Calibration End Date: 06/28/2012 16:07 Calibration ID: 5608

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-41004/11	O0620712.D
Level 2	IC 180-41004/12	O0620713.D
Level 3	IC 180-41004/13	O0620714.D
Level 4	IC 180-41004/14	O0620715.D
Level 5	IC 180-41004/15	O0620716.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1248 Peak 1	7.698	7.698	7.699	7.698	7.700						7.667 - 7.727	7.699
PCB-1248 Peak 2	8.271	8.272	8.272	8.273	8.274						8.240 - 8.300	8.272
PCB-1248 Peak 3	8.475	8.475	8.476	8.476	8.477						8.443 - 8.503	8.476
PCB-1248 Peak 4	8.718	8.718	8.717	8.718	8.719						8.686 - 8.746	8.718
PCB-1248 Peak 5	9.317	9.318	9.317	9.318	9.319						9.284 - 9.344	9.318

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 41004

SDG No.:

Instrument ID: GC8 GC Column: RTX-50 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/28/2012 14:29 Calibration End Date: 06/28/2012 16:07 Calibration ID: 5608

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-41004/11	O0620712.D
Level 2	IC 180-41004/12	O0620713.D
Level 3	IC 180-41004/13	O0620714.D
Level 4	IC 180-41004/14	O0620715.D
Level 5	IC 180-41004/15	O0620716.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
PCB-1248 Peak 1	265900 172920	228930	198172	175822	Ave		208348.800				18.8		20.0			
PCB-1248 Peak 2	236200 170682	201850	172400	170564	Ave		190339.200				15.2		20.0			
PCB-1248 Peak 3	428500 308634	348540	301900	304858	Ave		338486.400				15.9		20.0			
PCB-1248 Peak 4	187100 121559	151670	130372	123862	Ave		142912.600				19.2		20.0			
PCB-1248 Peak 5	248200 174433	206690	179816	175450	Ave		196917.800				16.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 41004

SDG No.:

Instrument ID: GC8 GC Column: RTX-50 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/28/2012 14:29 Calibration End Date: 06/28/2012 16:07 Calibration ID: 5608

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-41004/11	O0620712.D
Level 2	IC 180-41004/12	O0620713.D
Level 3	IC 180-41004/13	O0620714.D
Level 4	IC 180-41004/14	O0620715.D
Level 5	IC 180-41004/15	O0620716.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1248 Peak 1	Ave	2659	22893	49543	87911	172920	0.0100	0.100	0.250	0.500	1.00
PCB-1248 Peak 2	Ave	2362	20185	43100	85282	170682	0.0100	0.100	0.250	0.500	1.00
PCB-1248 Peak 3	Ave	4285	34854	75475	152429	308634	0.0100	0.100	0.250	0.500	1.00
PCB-1248 Peak 4	Ave	1871	15167	32593	61931	121559	0.0100	0.100	0.250	0.500	1.00
PCB-1248 Peak 5	Ave	2482	20669	44954	87725	174433	0.0100	0.100	0.250	0.500	1.00

Curve Type Legend:
Ave = Average by Height

Data File: \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620712.D
Report Date: 07-Jul-2012 08:48

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620712.D
Lab Smp Id: IC-418057
Inj Date : 28-JUN-2012 14:29
Operator : 402360 Inst ID: gc8.i
Smp Info : 063028082A.b
Misc Info : IC-418057
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\PCBALL.m
Meth Date : 07-Jul-2012 08:48 gc8.i Quant Type: ESTD
Cal Date : 28-JUN-2012 19:23 Cal File: O0620724.D
Als bottle: 12 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1248.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
6 Aroclor-1248					CAS #: 12672-29-6		
7.698	7.696	0.002	2659	0.01000	0.012762	0.00- 0.00	0.00(a)
8.271	8.270	0.001	2362	0.01000	0.012409	134.57- 134.57	0.00
8.474	8.473	0.001	4285	0.01000	0.012659	83.67- 83.67	0.00
8.718	8.715	0.003	1871	0.01000	0.013092	63.86- 63.86	0.00
9.317	9.314	0.003	2482	0.01000	0.012604	148.08- 148.08	0.00
		Average of Peak Amounts =			0.01271		

QC Flag Legend

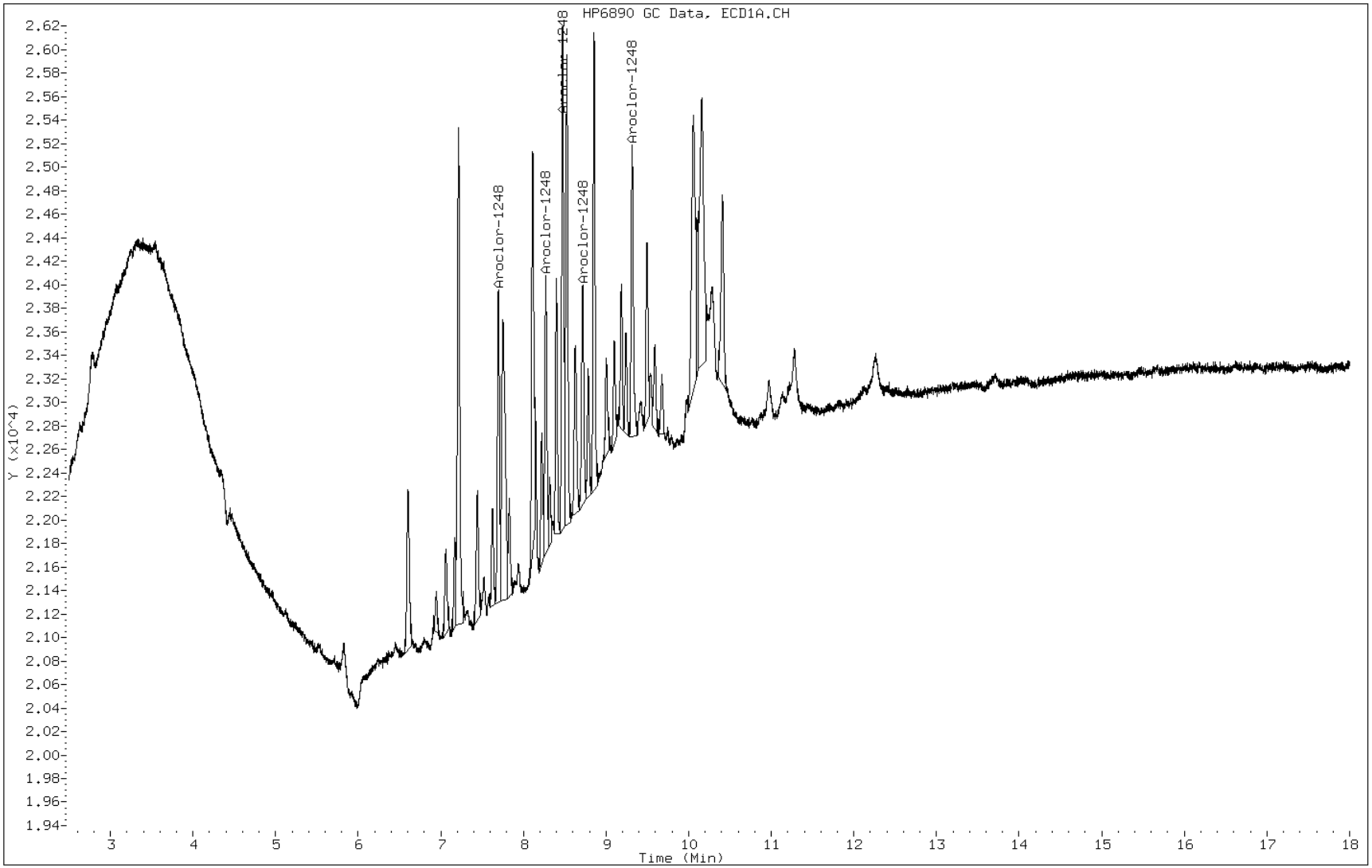
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: O0620712.D

Date: 28-JUN-2012 14:29

Client ID: Instrument: gc8.i

Sample Info: 063028082A.b Operator: 402360



Data File: \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620713.D
Report Date: 07-Jul-2012 08:48

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620713.D
Lab Smp Id: IC-418058
Inj Date : 28-JUN-2012 14:53
Operator : 402360 Inst ID: gc8.i
Smp Info : 063028082A.b
Misc Info : IC-418058
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\PCBALL.m
Meth Date : 07-Jul-2012 08:48 gc8.i Quant Type: ESTD
Cal Date : 28-JUN-2012 17:45 Cal File: O0620720.D
Als bottle: 13 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1248.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
6 Aroclor-1248					CAS #: 12672-29-6		
7.698	7.696	0.002	22893	0.10000	0.10988	0.00- 0.00	0.00(a)
8.271	8.270	0.001	20185	0.10000	0.10605	134.57- 134.57	0.00
8.475	8.473	0.002	34854	0.10000	0.10297	83.67- 83.67	0.00
8.717	8.715	0.002	15167	0.10000	0.10613	63.86- 63.86	0.00
9.317	9.314	0.003	20669	0.10000	0.10496	148.08- 148.08	0.00
			Average of Peak Amounts =		0.10600		

QC Flag Legend

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

Data File: O0620713.D

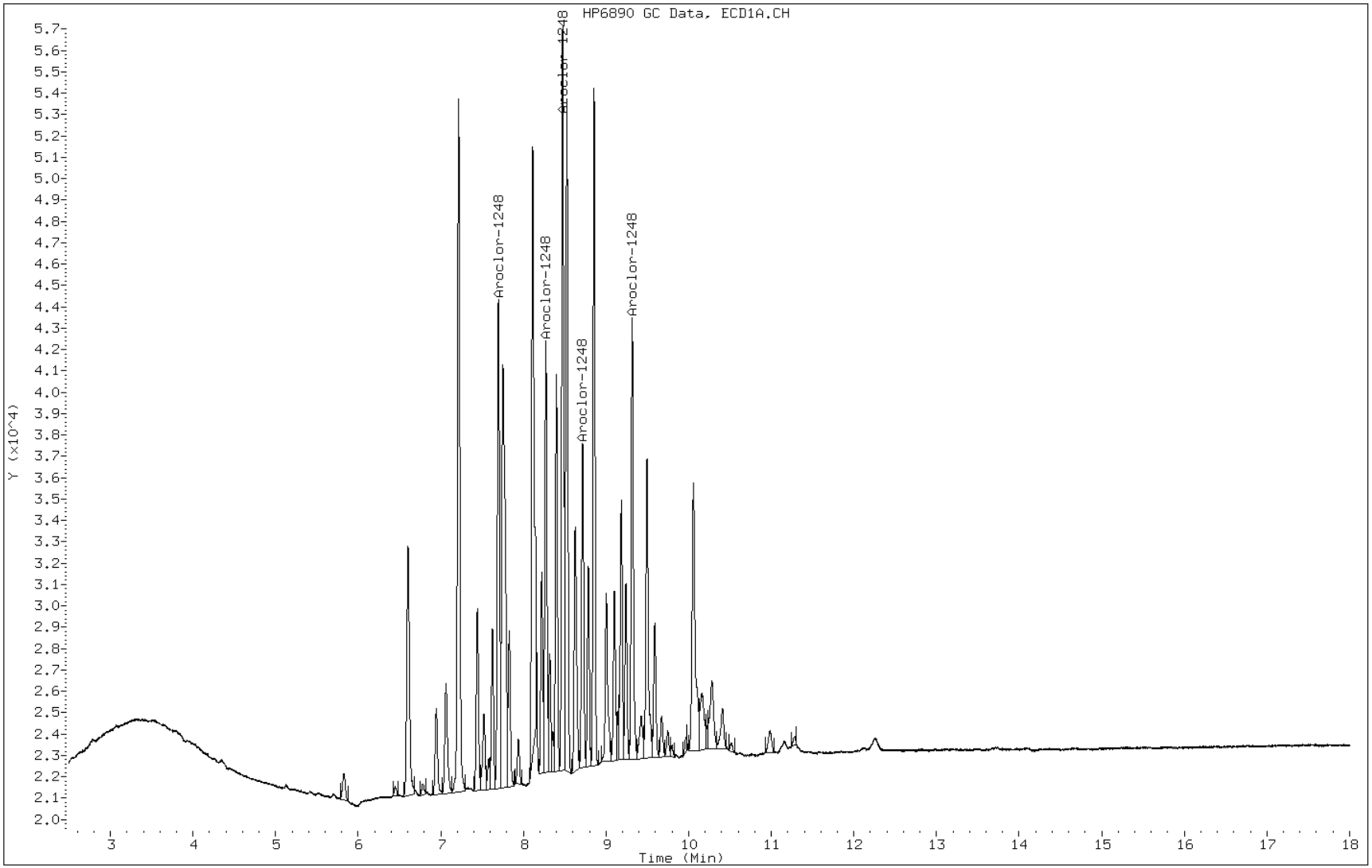
Date: 28-JUN-2012 14:53

Client ID:

Instrument: gc8.i

Sample Info: 063028082A.b

Operator: 402360



Data File: \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620714.D
Report Date: 07-Jul-2012 08:48

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620714.D
Lab Smp Id: IC-418059
Inj Date : 28-JUN-2012 15:18
Operator : 402360 Inst ID: gc8.i
Smp Info : 063028082A.b
Misc Info : IC-418059
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\PCBALL.m
Meth Date : 07-Jul-2012 08:48 gc8.i Quant Type: ESTD
Cal Date : 28-JUN-2012 18:10 Cal File: O0620721.D
Als bottle: 14 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1248.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
6 Aroclor-1248					CAS #: 12672-29-6		
7.698	7.696	0.002	49543	0.25000	0.23779	0.00- 0.00	0.00(a)
8.272	8.270	0.002	43100	0.25000	0.22644	134.57- 134.57	0.00
8.475	8.473	0.002	75475	0.25000	0.22298	83.67- 83.67	0.00
8.717	8.715	0.002	32593	0.25000	0.22806	63.86- 63.86	0.00
9.317	9.314	0.003	44954	0.25000	0.22829	148.08- 148.08	0.00
		Average of Peak Amounts =			0.22871		

QC Flag Legend

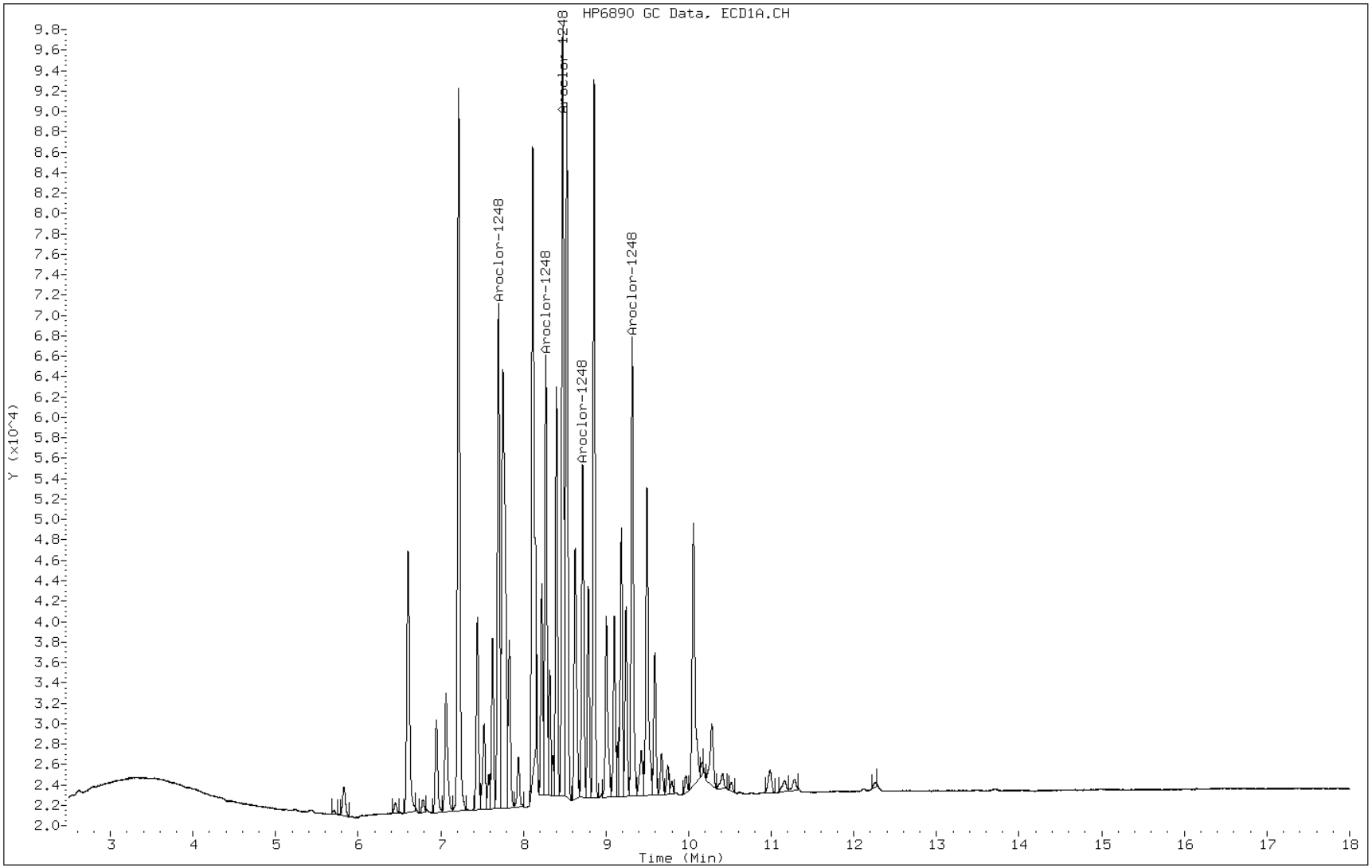
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: O0620714.D

Date: 28-JUN-2012 15:18

Client ID: Instrument: gc8.i

Sample Info: 063028082A.b Operator: 402360



Data File: \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620715.D
Report Date: 07-Jul-2012 08:48

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620715.D
Lab Smp Id: IC-418060
Inj Date : 28-JUN-2012 15:42
Operator : 402360 Inst ID: gc8.i
Smp Info : 063028082A.b
Misc Info : IC-418060
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\PCBALL.m
Meth Date : 07-Jul-2012 08:48 gc8.i Quant Type: ESTD
Cal Date : 28-JUN-2012 18:34 Cal File: O0620722.D
Als bottle: 15 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1248.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
6 Aroclor-1248					CAS #: 12672-29-6		
7.698	7.696	0.002	87911	0.50000	0.42194	0.00- 0.00	0.00(a)
8.272	8.270	0.002	85282	0.50000	0.44805	134.57- 134.57	0.00
8.475	8.473	0.002	152429	0.50000	0.45032	83.67- 83.67	0.00
8.718	8.715	0.003	61931	0.50000	0.43335	63.86- 63.86	0.00
9.317	9.314	0.003	87725	0.50000	0.44549	148.08- 148.08	0.00
		Average of Peak Amounts =			0.43983		

QC Flag Legend

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

Data File: O0620715.D

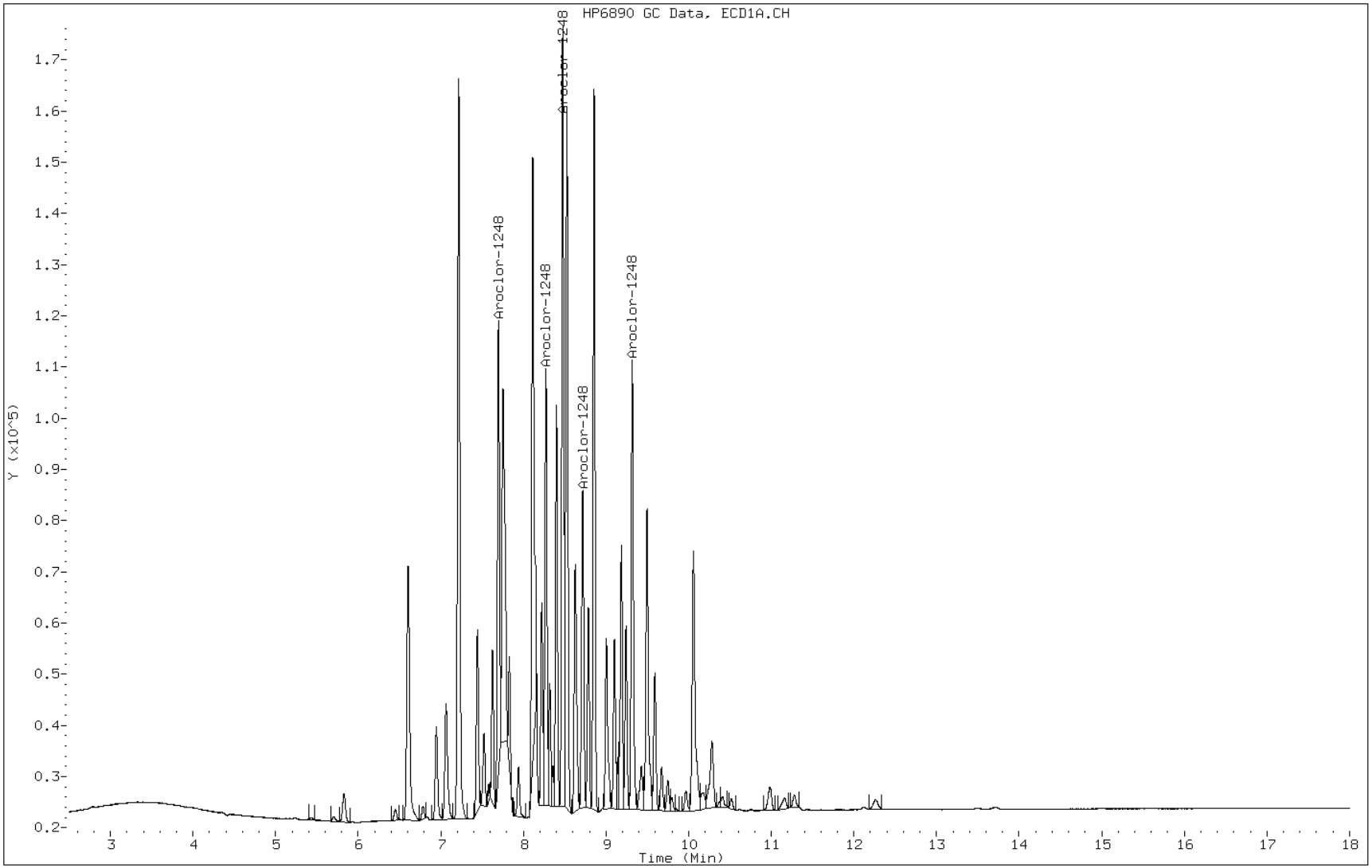
Date: 28-JUN-2012 15:42

Client ID:

Instrument: gc8.i

Sample Info: 063028082A.b

Operator: 402360



Data File: \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620716.D
Report Date: 07-Jul-2012 08:48

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620716.D
Lab Smp Id: IC-418072
Inj Date : 28-JUN-2012 16:07
Operator : 402360 Inst ID: gc8.i
Smp Info : 063028082A.b
Misc Info : IC-418072
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\PCBALL.m
Meth Date : 07-Jul-2012 08:48 gc8.i Quant Type: ESTD
Cal Date : 28-JUN-2012 18:59 Cal File: O0620723.D
Als bottle: 16 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1248.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
6 Aroclor-1248					CAS #: 12672-29-6		
7.699	7.696	0.003	172920	1.00000	0.82995	0.00- 0.00	0.00(a)
8.273	8.270	0.003	170682	1.00000	0.89672	134.57- 134.57	0.00
8.477	8.473	0.004	308634	1.00000	0.91181	83.67- 83.67	0.00
8.718	8.715	0.003	121559	1.00000	0.85058	63.86- 63.86	0.00
9.318	9.314	0.004	174433	1.00000	0.88582	148.08- 148.08	0.00
		Average of Peak Amounts =			0.87498		

QC Flag Legend

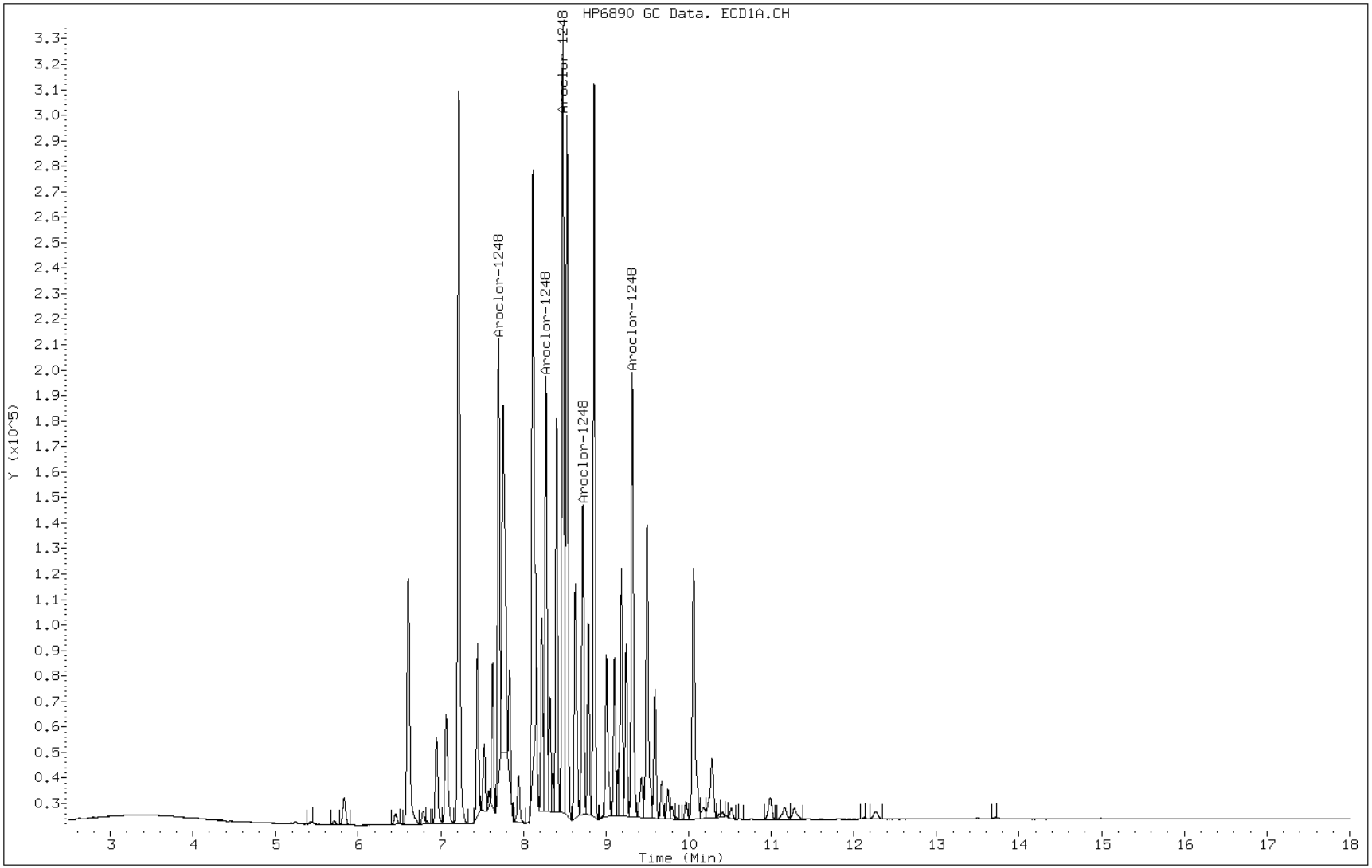
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: O0620716.D

Date: 28-JUN-2012 16:07

Client ID: Instrument: gc8.i

Sample Info: 063028082A.b Operator: 402360



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 41004

SDG No.:

Instrument ID: GC8 GC Column: RTX-50 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/28/2012 16:31 Calibration End Date: 06/28/2012 16:31 Calibration ID: 5609

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-41004/16	O0620717.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1232 Peak 1	7.066										7.027 - 7.087	7.066
PCB-1232 Peak 2	7.755										7.717 - 7.777	7.755
PCB-1232 Peak 3	8.116										8.077 - 8.137	8.116
PCB-1232 Peak 4	8.225										8.186 - 8.246	8.225
PCB-1232 Peak 5	8.529										8.491 - 8.551	8.529

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 41004

SDG No.:

Instrument ID: GC8 GC Column: RTX-50 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/28/2012 16:31 Calibration End Date: 06/28/2012 16:31 Calibration ID: 5609

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-41004/16	O0620717.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1232 Peak 1	62978				Ave		62978.0000						20.0			
PCB-1232 Peak 2	60758				Ave		60758.0000						20.0			
PCB-1232 Peak 3	98442				Ave		98442.0000						20.0			
PCB-1232 Peak 4	30470				Ave		30470.0000						20.0			
PCB-1232 Peak 5	91258				Ave		91258.0000						20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 41004

SDG No.:

Instrument ID: GC8 GC Column: RTX-50 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/28/2012 16:31 Calibration End Date: 06/28/2012 16:31 Calibration ID: 5609

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-41004/16	O0620717.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1					LVL 1				
PCB-1232 Peak 1	Ave	31489					0.500				
PCB-1232 Peak 2	Ave	30379					0.500				
PCB-1232 Peak 3	Ave	49221					0.500				
PCB-1232 Peak 4	Ave	15235					0.500				
PCB-1232 Peak 5	Ave	45629					0.500				

Curve Type Legend:
Ave = Average by Height

Data File: \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620717.D
Report Date: 07-Jul-2012 08:48

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620717.D
Lab Smp Id: IC-418073
Inj Date : 28-JUN-2012 16:31
Operator : 402360 Inst ID: gc8.i
Smp Info : 063028082A.b
Misc Info : IC-418073
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\PCBALL.m
Meth Date : 07-Jul-2012 08:48 gc8.i Quant Type: ESTD
Cal Date : 28-JUN-2012 19:23 Cal File: O0620724.D
Als bottle: 17 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1232.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
3 Aroclor-1232					CAS #: 11141-16-5		
7.065	7.057	0.008	31489	0.50000	0.50000	0.00- 0.00	0.00(a)
7.754	7.746	0.008	30379	0.50000	0.50000	166.26- 166.26	0.00
8.116	8.107	0.009	49221	0.50000	0.50000	85.99- 85.99	0.00
8.224	8.215	0.009	15235	0.50000	0.50000	94.18- 94.18	0.00
8.528	8.520	0.008	45629	0.50000	0.50000	0.00- 0.00	0.00
		Average of Peak Amounts =			0.50000		

QC Flag Legend

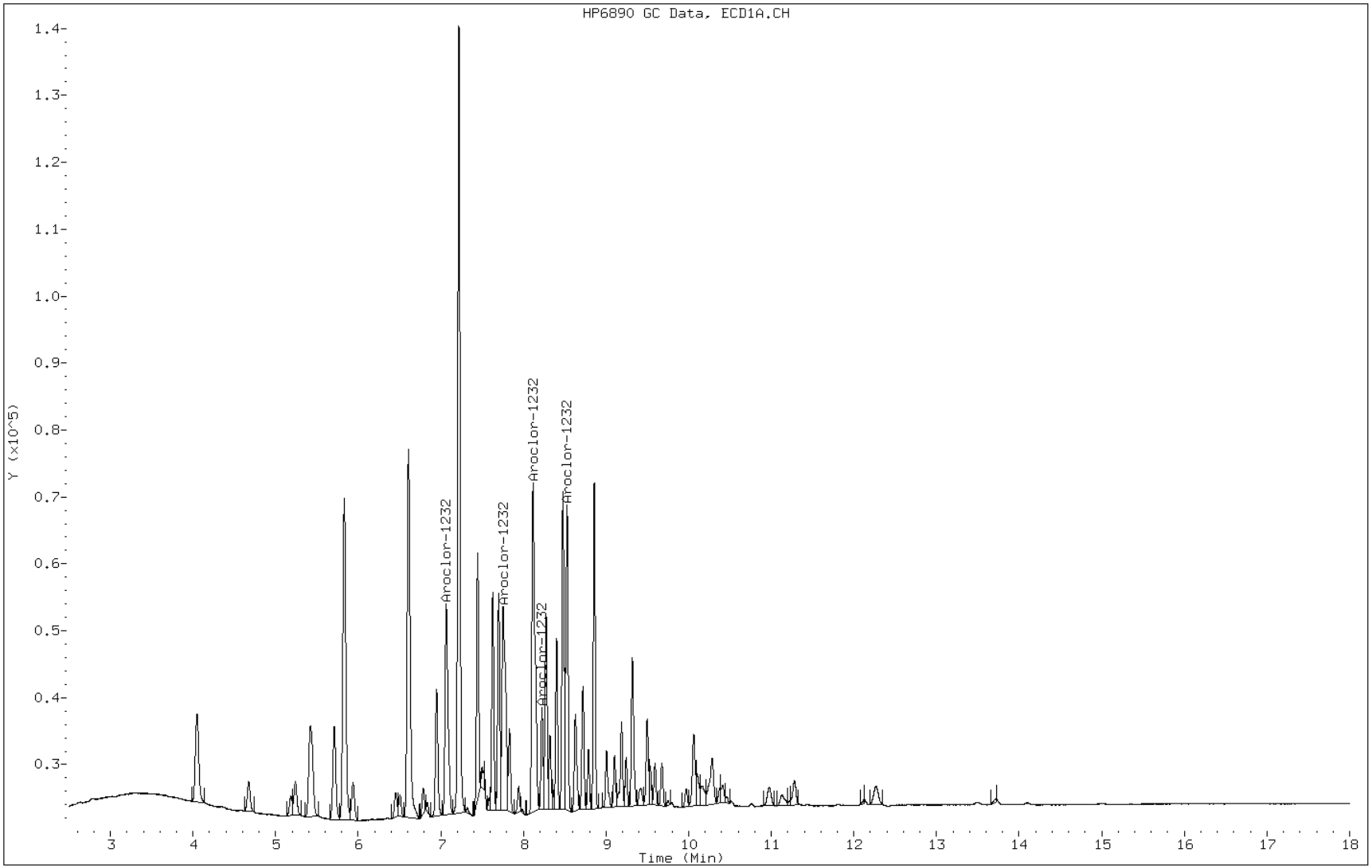
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: O0620717.D

Date: 28-JUN-2012 16:31

Client ID: Instrument: gc8.i

Sample Info: 063028082A.b Operator: 402360



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 41004

SDG No.:

Instrument ID: GC8 GC Column: RTX-50 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/28/2012 17:45 Calibration End Date: 06/28/2012 20:13 Calibration ID: 5612

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-41004/19	O0620720.D
Level 2	IC 180-41004/20	O0620721.D
Level 3	IC 180-41004/21	O0620722.D
Level 4	ICRT 180-41004/22	O0620723.D
Level 5	IC 180-41004/23	O0620724.D
Level 6	IC 180-41004/24	O0620725.D
Level 7	IC 180-41004/25	O0620726.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1016 Peak 1	6.612	6.612	6.613	6.612	6.613	6.610	6.610				6.574 - 6.634	6.612
PCB-1016 Peak 2	7.069	7.070	7.071	7.070	7.070	7.068	7.066				7.034 - 7.094	7.069
PCB-1016 Peak 3	7.219	7.222	7.223	7.223	7.223	7.221	7.221				7.186 - 7.246	7.222
PCB-1016 Peak 4	7.447	7.448	7.449	7.449	7.449	7.447	7.446				7.412 - 7.472	7.448
PCB-1016 Peak 5	7.630	7.631	7.633	7.632	7.633	7.630	7.629				7.595 - 7.655	7.631
PCB-1260 Peak 1	9.538	9.538	9.538	9.538	9.538	9.537	9.536				9.501 - 9.561	9.538
PCB-1260 Peak 2	9.678	9.679	9.678	9.678	9.678	9.676	9.676				9.641 - 9.701	9.678
PCB-1260 Peak 3	10.287	10.287	10.287	10.286	10.287	10.285	10.285				10.247 - 10.307	10.286
PCB-1260 Peak 4	10.379	10.378	10.379	10.378	10.378	10.376	10.376				10.339 - 10.399	10.378
PCB-1260 Peak 5	11.288	11.287	11.286	11.286	11.286	11.284	11.285				11.244 - 11.304	11.286
Tetrachloro-m-xylene	4.728	4.730	4.732	4.731	4.732	4.730	4.729				4.695 - 4.755	4.730
DCB Decachlorobiphenyl (Surr)	16.158	16.165	16.163	16.155	16.160	16.158	16.156				16.102 - 16.162	16.159

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 41004

SDG No.:

Instrument ID: GC8 GC Column: RTX-50 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/28/2012 17:45 Calibration End Date: 06/28/2012 20:13 Calibration ID: 5612

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-41004/19	O0620720.D
Level 2	IC 180-41004/20	O0620721.D
Level 3	IC 180-41004/21	O0620722.D
Level 4	ICRT 180-41004/22	O0620723.D
Level 5	IC 180-41004/23	O0620724.D
Level 6	IC 180-41004/24	O0620725.D
Level 7	IC 180-41004/25	O0620726.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1016 Peak 1	305000 236537	289280 225185	274510 225405	252830	Ave		258392.429				12.3		20.0			
PCB-1016 Peak 2	186900 127186	164120 126775	160400 128159	145332	Ave		148410.321				15.6		20.0			
PCB-1016 Peak 3	727300 553376	614940 540359	608540 555793	583734	Ave		597720.214				10.7		20.0			
PCB-1016 Peak 4	231600 174003	206600 164452	193975 168670	187584	Ave		189554.786				12.5		20.0			
PCB-1016 Peak 5	177800 145360	171160 140386	165810 142071	156612	Ave		157028.464				9.5		20.0			
PCB-1260 Peak 1	495800 349799	407680 334624	382890 343834	367438	Ave		383152.179				14.5		20.0			
PCB-1260 Peak 2	583800 421621	490280 401852	460590 418030	440632	Ave		459543.464				13.5		20.0			
PCB-1260 Peak 3	353200 293874	366820 288669	337755 298634	312568	Ave		321645.607				9.6		20.0			
PCB-1260 Peak 4	312500 252676	316640 243004	294290 248561	272142	Ave		277116.107				11.1		20.0			
PCB-1260 Peak 5	628700 506751	558080 489800	541740 508593	521184	Ave		536406.786				8.7		20.0			
Tetrachloro-m-xylene	6144000 5927260	6196000 5717340	6407400 5793095	6196080	Ave		6054453.57				4.1		20.0			
DCB Decachlorobiphenyl (Surr)	2280000 2096740	2610800 1947300	2595900 1930320	2301440	Ave		2251785.71				12.4		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 41004

SDG No.:

Instrument ID: GC8 GC Column: RTX-50 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/28/2012 17:45 Calibration End Date: 06/28/2012 20:13 Calibration ID: 5612

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-41004/19	O0620720.D
Level 2	IC 180-41004/20	O0620721.D
Level 3	IC 180-41004/21	O0620722.D
Level 4	ICRT 180-41004/22	O0620723.D
Level 5	IC 180-41004/23	O0620724.D
Level 6	IC 180-41004/24	O0620725.D
Level 7	IC 180-41004/25	O0620726.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Ave	3050 450370	14464 901620	54902	126415	236537	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1016 Peak 2	Ave	1869 253550	8206 512637	32080	72666	127186	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1016 Peak 3	Ave	7273 1080718	30747 2223170	121708	291867	553376	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1016 Peak 4	Ave	2316 328903	10330 674680	38795	93792	174003	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1016 Peak 5	Ave	1778 280772	8558 568285	33162	78306	145360	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1260 Peak 1	Ave	4958 669248	20384 1375337	76578	183719	349799	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1260 Peak 2	Ave	5838 803703	24514 1672119	92118	220316	421621	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1260 Peak 3	Ave	3532 577337	18341 1194535	67551	156284	293874	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1260 Peak 4	Ave	3125 486007	15832 994245	58858	136071	252676	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
PCB-1260 Peak 5	Ave	6287 979599	27904 2034372	108348	260592	506751	0.0100 2.00	0.0500 4.00	0.200	0.500	1.00
Tetrachloro-m-xylene	Ave	3072 571734	15490 1158619	64074	154902	296363	0.000500 0.100	0.00250 0.200	0.0100	0.0250	0.0500
DCB Decachlorobiphenyl (Surr)	Ave	1140 194730	6527 386064	25959	57536	104837	0.000500 0.100	0.00250 0.200	0.0100	0.0250	0.0500

Curve Type Legend:
Ave = Average by Height

Data File: \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620720.D
Report Date: 07-Jul-2012 08:48

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620720.D
Lab Smp Id: IC- 361631
Inj Date : 28-JUN-2012 17:45
Operator : 402360 Inst ID: gc8.i
Smp Info : 063028082A.b
Misc Info : IC- 361631
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\PCBALL.m
Meth Date : 07-Jul-2012 08:48 gc8.i Quant Type: ESTD
Cal Date : 28-JUN-2012 18:59 Cal File: O0620723.D
Als bottle: 20 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.727	4.725	0.002	3072	0.00050	0.00050740		
4 Aroclor-1016					CAS #: 12674-11-2		
6.611	6.603	0.008	3050	0.01000	0.011804	0.00- 0.00	0.00(a)
7.068	7.063	0.005	1869	0.01000	0.012593	100.00- 100.00	0.00
7.219	7.216	0.003	7273	0.01000	0.012168	223.51- 223.51	0.00
7.446	7.441	0.005	2316	0.01000	0.012218	223.51- 223.51	0.00
7.630	7.625	0.005	1778	0.01000	0.011323	317.56- 317.56	0.00
Average of Peak Amounts =					0.01202		
8 Aroclor-1260					CAS #: 11096-82-5		
9.537	9.531	0.006	4958	0.01000	0.012940	0.00- 0.00	0.00(a)
9.677	9.671	0.006	5838	0.01000	0.012704	115.86- 115.86	0.00
10.286	10.276	0.010	3532	0.01000	0.010981	136.91- 136.91	0.00
10.378	10.368	0.010	3125	0.01000	0.011277	140.00- 140.00	0.00
11.287	11.274	0.013	6287	0.01000	0.011720	128.33- 128.33	0.00
Average of Peak Amounts =					0.01192		
$ 11 DCB Decachlorobiphenyl (Surr)					CAS #: 2051-24-3		
16.157	16.131	0.026	1140	0.00050	0.00050626		(M)

Data File: \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620720.D
Report Date: 07-Jul-2012 08:48

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: O0620720.D

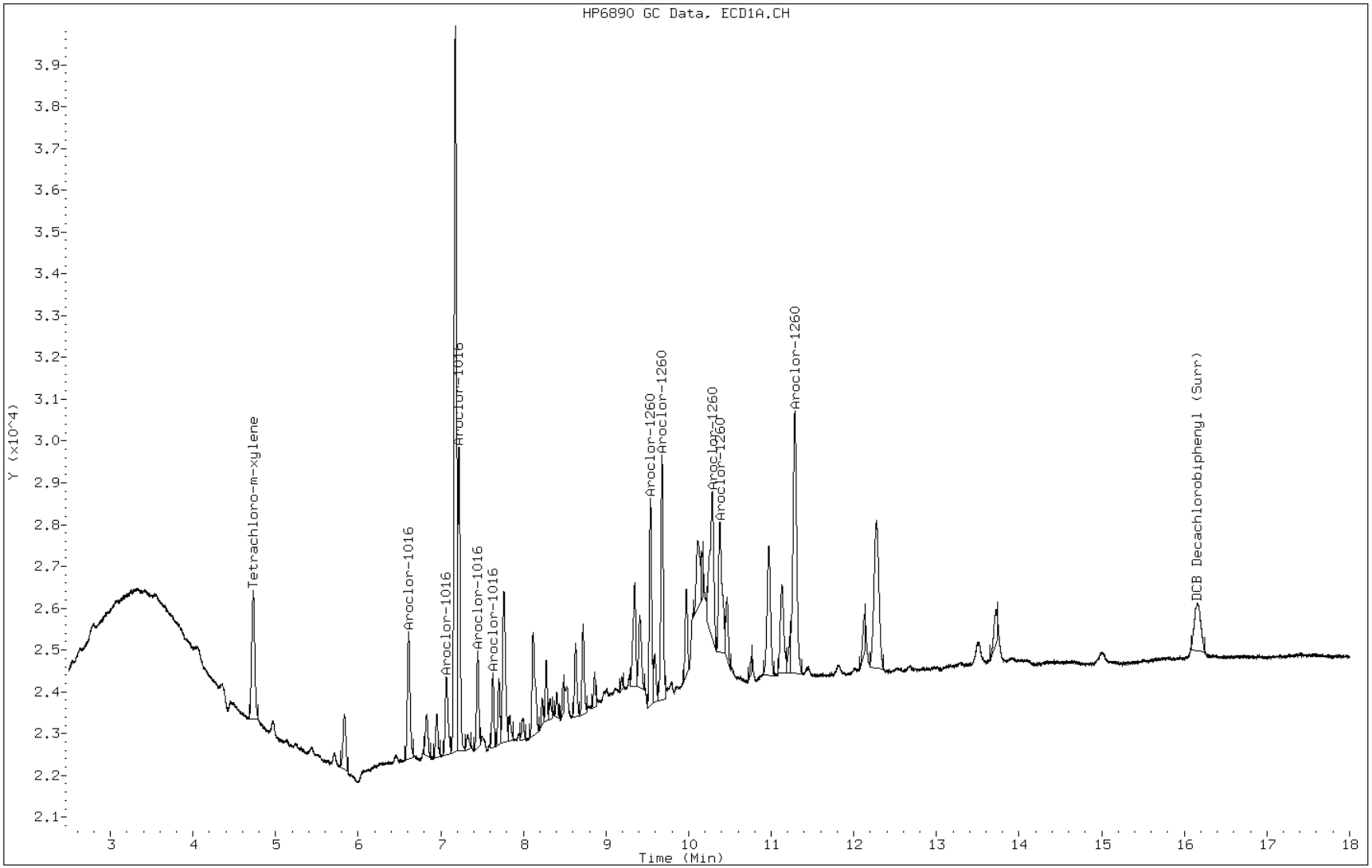
Date: 28-JUN-2012 17:45

Client ID:

Instrument: gc8.i

Sample Info: 063028082A.b

Operator: 402360



Manual Integration Report

Data File: O0620720.D
Inj. Date and Time: 28-JUN-2012 17:45
Instrument ID: gc8.i
Client ID:
Compound: 11 DCB Decachlorobiphenyl (Surr)
CAS #: 2051-24-3
Report Date: 07/07/2012

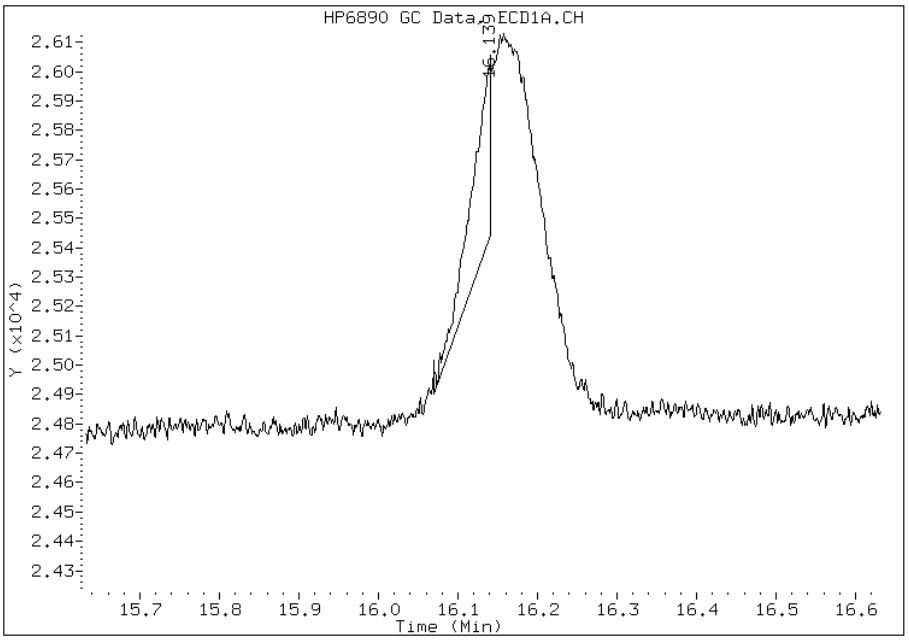
Processing Integration Results

RT: 16.14

Response: 582

Amount: 0.00

Conc: 0.00



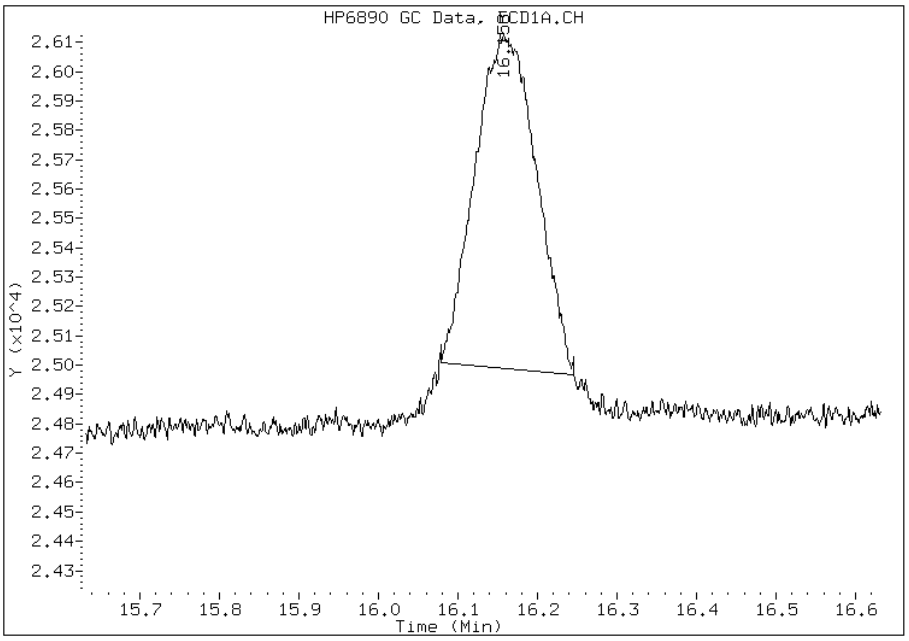
Manual Integration Results

RT: 16.16

Response: 1140

Amount: 0.00

Conc: 0.00



Manually Integrated By: guptaa
Modification Date: 29-Jun-2012 10:17
Manual Integration Reason: Poor Chromatography

Data File: \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620721.D
Report Date: 07-Jul-2012 08:48

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620721.D
Lab Smp Id: IC- 361632
Inj Date : 28-JUN-2012 18:10
Operator : 402360 Inst ID: gc8.i
Smp Info : 063028082A.b
Misc Info : IC- 361632
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\PCBALL.m
Meth Date : 07-Jul-2012 08:48 gc8.i Quant Type: ESTD
Cal Date : 28-JUN-2012 17:45 Cal File: O0620720.D
Als bottle: 21 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.729	4.725	0.004	15490	0.00250	0.0025584		
4 Aroclor-1016					CAS #: 12674-11-2		
6.612	6.603	0.009	14464	0.05000	0.055977	0.00- 0.00	0.00(a)
7.069	7.063	0.006	8206	0.05000	0.055293	100.00- 100.00	0.00
7.222	7.216	0.006	30747	0.05000	0.051440	223.51- 223.51	0.00
7.448	7.441	0.007	10330	0.05000	0.054496	223.51- 223.51	0.00
7.631	7.625	0.006	8558	0.05000	0.054500	317.56- 317.56	0.00
Average of Peak Amounts =					0.05434		
8 Aroclor-1260					CAS #: 11096-82-5		
9.538	9.531	0.007	20384	0.05000	0.053201	0.00- 0.00	0.00(a)
9.678	9.671	0.007	24514	0.05000	0.053344	115.86- 115.86	0.00
10.287	10.276	0.011	18341	0.05000	0.057022	136.91- 136.91	0.00
10.378	10.368	0.010	15832	0.05000	0.057131	140.00- 140.00	0.00
11.287	11.274	0.013	27904	0.05000	0.052020	128.33- 128.33	0.00
Average of Peak Amounts =					0.05454		
$ 11 DCB Decachlorobiphenyl (Surr)					CAS #: 2051-24-3		
16.164	16.131	0.033	6527	0.00250	0.0028986		

Data File: \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620721.D
Report Date: 07-Jul-2012 08:48

QC Flag Legend

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

Data File: O0620721.D

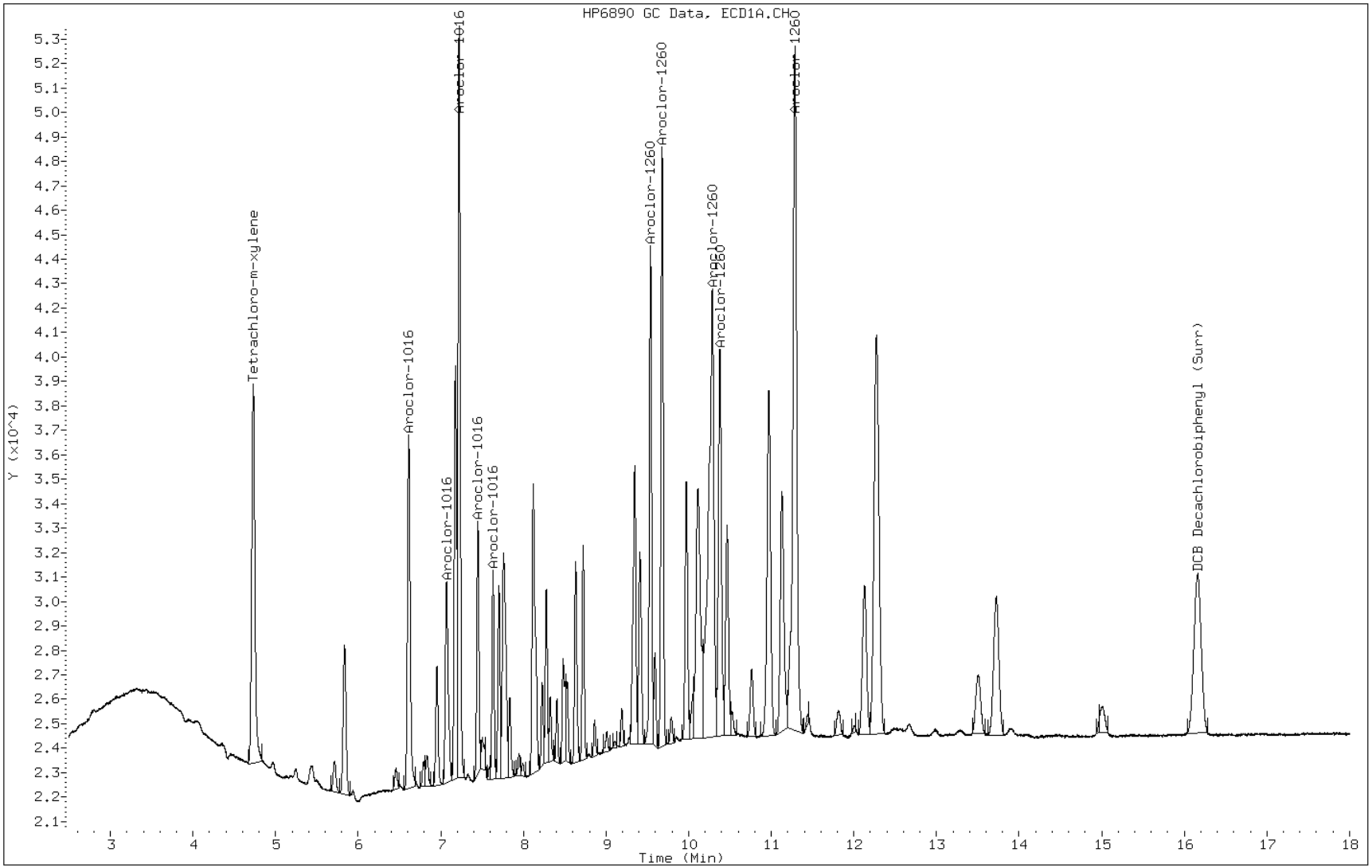
Date: 28-JUN-2012 18:10

Client ID:

Instrument: gc8.i

Sample Info: 063028082A.b

Operator: 402360



Data File: \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620722.D
Report Date: 07-Jul-2012 08:48

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620722.D
Lab Smp Id: IC- 361633
Inj Date : 28-JUN-2012 18:34
Operator : 402360 Inst ID: gc8.i
Smp Info : 063028082A.b
Misc Info : IC- 361633
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\PCBALL.m
Meth Date : 07-Jul-2012 08:48 gc8.i Quant Type: ESTD
Cal Date : 28-JUN-2012 18:10 Cal File: O0620721.D
Als bottle: 22 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.731	4.725	0.006	64074	0.01000	0.010583		
4 Aroclor-1016					CAS #: 12674-11-2		
6.613	6.603	0.010	54902	0.20000	0.21248	0.00- 0.00	0.00(a)
7.070	7.063	0.007	32080	0.20000	0.21616	100.00- 100.00	0.00
7.223	7.216	0.007	121708	0.20000	0.20362	223.51- 223.51	0.00
7.449	7.441	0.008	38795	0.20000	0.20466	223.51- 223.51	0.00
7.632	7.625	0.007	33162	0.20000	0.21118	317.56- 317.56	0.00
Average of Peak Amounts =					0.20962		
8 Aroclor-1260					CAS #: 11096-82-5		
9.538	9.531	0.007	76578	0.20000	0.19986	0.00- 0.00	0.00(a)
9.678	9.671	0.007	92118	0.20000	0.20046	115.86- 115.86	0.00
10.286	10.276	0.010	67551	0.20000	0.21002	136.91- 136.91	0.00
10.379	10.368	0.011	58858	0.20000	0.21239	140.00- 140.00	0.00
11.285	11.274	0.011	108348	0.20000	0.20199	128.33- 128.33	0.00
Average of Peak Amounts =					0.20494		
$ 11 DCB Decachlorobiphenyl (Surr)					CAS #: 2051-24-3		
16.162	16.131	0.031	25959	0.01000	0.011528		

Data File: \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620722.D
Report Date: 07-Jul-2012 08:48

QC Flag Legend

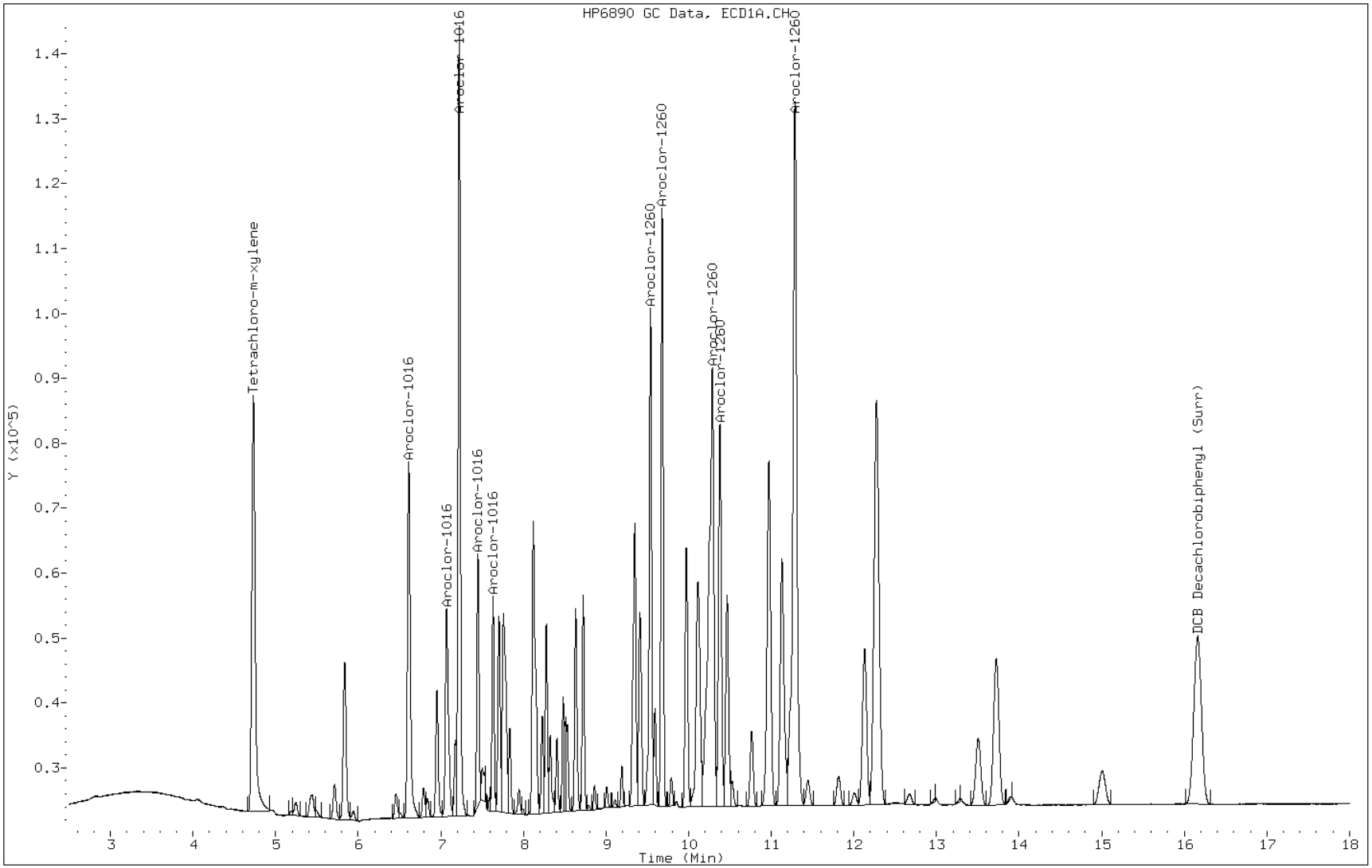
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: O0620722.D

Date: 28-JUN-2012 18:34

Client ID: Instrument: gc8.i

Sample Info: 063028082A.b Operator: 402360



Data File: \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620723.D
Report Date: 07-Jul-2012 08:48

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620723.D
Lab Smp Id: ICRT-361635
Inj Date : 28-JUN-2012 18:59
Operator : 402360 Inst ID: gc8.i
Smp Info : 063028082A.b
Misc Info : ICRT-361635
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\PCBALL.m
Meth Date : 07-Jul-2012 08:48 gc8.i Quant Type: ESTD
Cal Date : 28-JUN-2012 18:34 Cal File: O0620722.D
Als bottle: 23 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.730	4.725	0.005	154902	0.02500	0.025585		
4 Aroclor-1016					CAS #: 12674-11-2		
6.611	6.603	0.008	126415	0.50000	0.48924	0.00- 0.00	0.00(a)
7.070	7.063	0.007	72666	0.50000	0.48963	100.00- 100.00	0.00
7.222	7.216	0.006	291867	0.50000	0.48830	223.51- 223.51	0.00
7.449	7.441	0.008	93792	0.50000	0.49480	223.51- 223.51	0.00
7.631	7.625	0.006	78306	0.50000	0.49867	317.56- 317.56	0.00
Average of Peak Amounts =					0.49213		
8 Aroclor-1260					CAS #: 11096-82-5		
9.538	9.531	0.007	183719	0.50000	0.47949	0.00- 0.00	0.00(a)
9.678	9.671	0.007	220316	0.50000	0.47942	115.86- 115.86	0.00
10.285	10.276	0.009	156284	0.50000	0.48589	136.91- 136.91	0.00
10.378	10.368	0.010	136071	0.50000	0.49102	140.00- 140.00	0.00
11.285	11.274	0.011	260592	0.50000	0.48581	128.33- 128.33	0.00
Average of Peak Amounts =					0.48433		
$ 11 DCB Decachlorobiphenyl (Surr)					CAS #: 2051-24-3		
16.155	16.131	0.024	57536	0.02500	0.025551		

Data File: \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620723.D
Report Date: 07-Jul-2012 08:48

QC Flag Legend

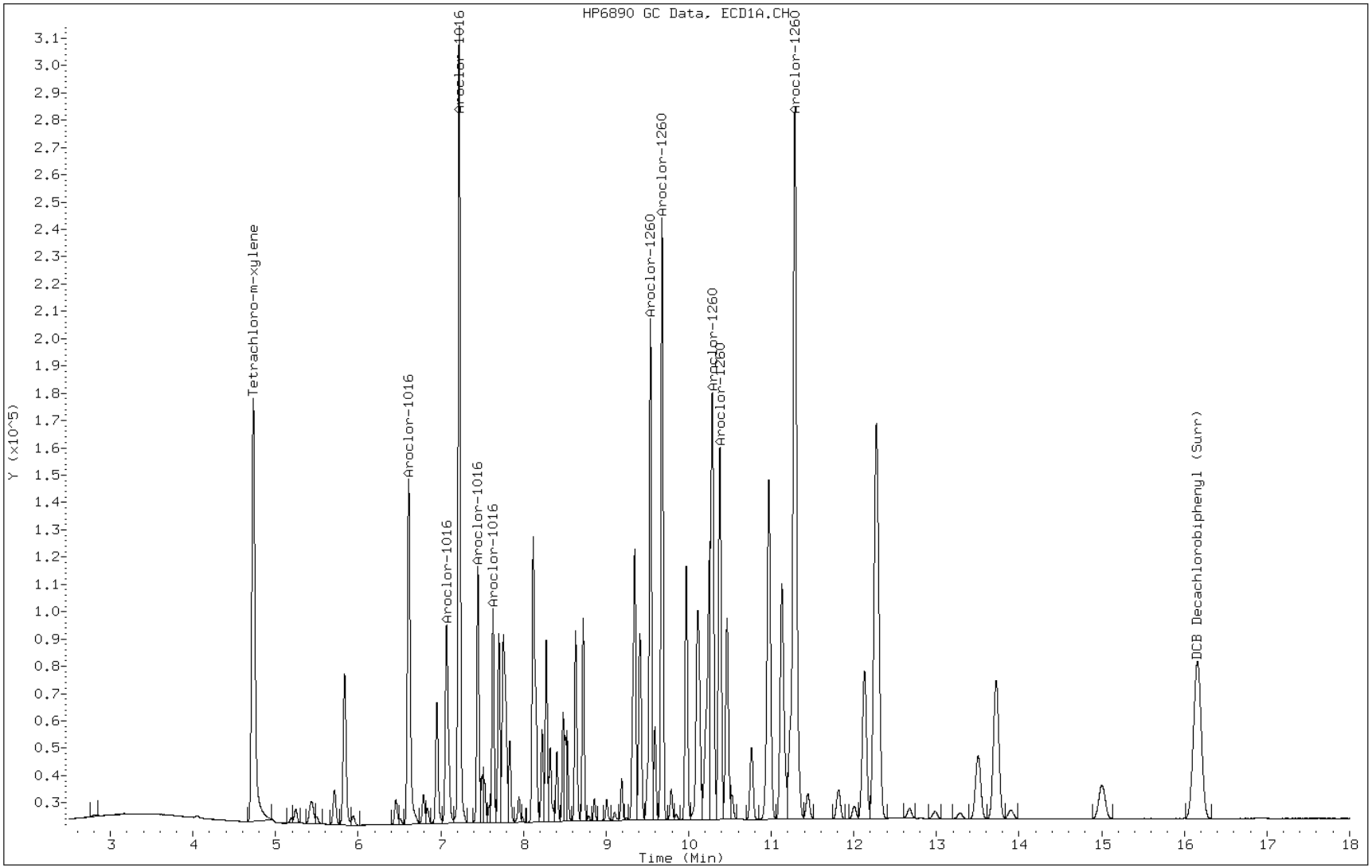
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: O0620723.D

Date: 28-JUN-2012 18:59

Client ID: Instrument: gc8.i

Sample Info: 063028082A.b Operator: 402360



Data File: \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620724.D
Report Date: 07-Jul-2012 08:48

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620724.D
Lab Smp Id: IC- 361637
Inj Date : 28-JUN-2012 19:23
Operator : 402360 Inst ID: gc8.i
Smp Info : 063028082A.b
Misc Info : IC- 361637
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\PCBALL.m
Meth Date : 07-Jul-2012 08:48 gc8.i Quant Type: ESTD
Cal Date : 28-JUN-2012 18:59 Cal File: O0620723.D
Als bottle: 24 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.731	4.725	0.006	296363	0.05000	0.048950		
4 Aroclor-1016					CAS #: 12674-11-2		
6.612	6.603	0.009	236537	1.00000	0.91542	0.00- 0.00	0.00(a)
7.070	7.063	0.007	127186	1.00000	0.85699	100.00- 100.00	0.00
7.222	7.216	0.006	553376	1.00000	0.92581	223.51- 223.51	0.00
7.449	7.441	0.008	174003	1.00000	0.91796	223.51- 223.51	0.00
7.632	7.625	0.007	145360	1.00000	0.92569	317.56- 317.56	0.00
Average of Peak Amounts =					0.90837		
8 Aroclor-1260					CAS #: 11096-82-5		
9.537	9.531	0.006	349799	1.00000	0.91295	0.00- 0.00	0.00(a)
9.677	9.671	0.006	421621	1.00000	0.91748	115.86- 115.86	0.00
10.286	10.276	0.010	293874	1.00000	0.91366	136.91- 136.91	0.00
10.377	10.368	0.009	252676	1.00000	0.91180	140.00- 140.00	0.00
11.286	11.274	0.012	506751	1.00000	0.94471	128.33- 128.33	0.00
Average of Peak Amounts =					0.92012		
$ 11 DCB Decachlorobiphenyl (Surr)					CAS #: 2051-24-3		
16.160	16.131	0.029	104837	0.05000	0.046557		

Data File: \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620724.D
Report Date: 07-Jul-2012 08:48

QC Flag Legend

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

Data File: O0620724.D

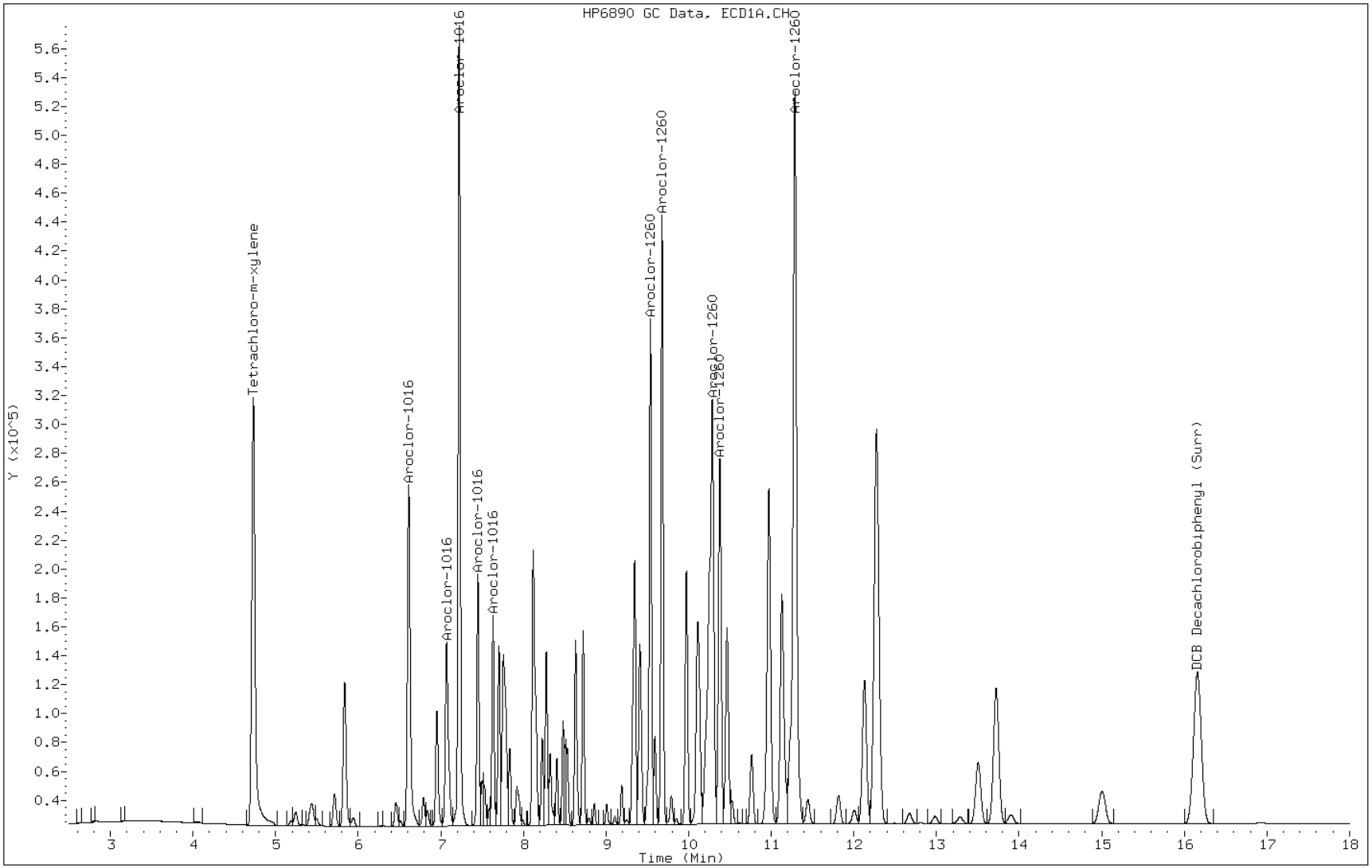
Date: 28-JUN-2012 19:23

Client ID:

Instrument: gc8.i

Sample Info: 063028082A.b

Operator: 402360



Data File: \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620725.D
Report Date: 07-Jul-2012 08:48

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620725.D
Lab Smp Id: IC- 361638
Inj Date : 28-JUN-2012 19:48
Operator : 402360 Inst ID: gc8.i
Smp Info : 063028082A.b
Misc Info : IC- 361638
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\PCBALL.m
Meth Date : 07-Jul-2012 08:48 gc8.i Quant Type: ESTD
Cal Date : 28-JUN-2012 19:23 Cal File: O0620724.D
Als bottle: 25 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

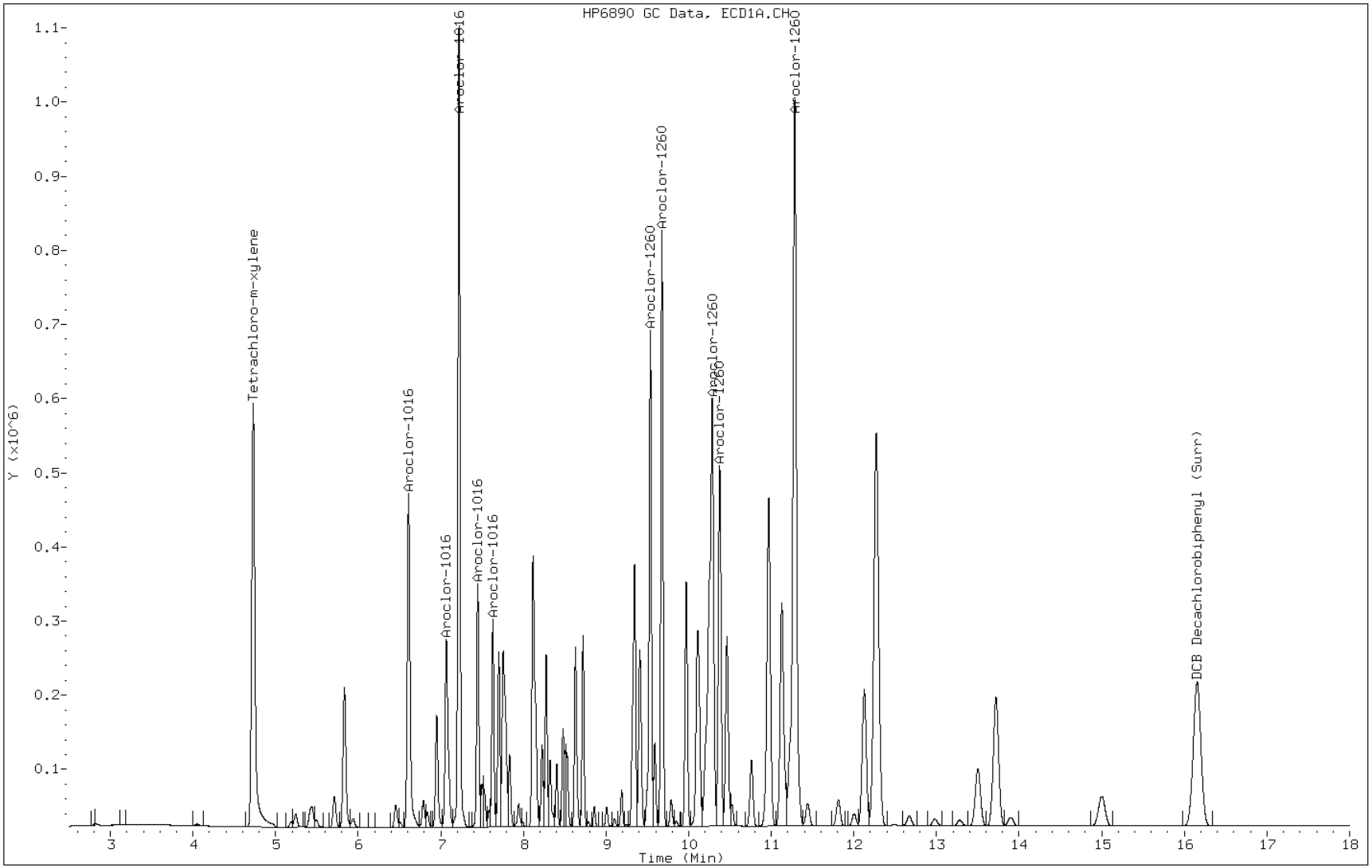
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene						CAS #: 877-09-8	
4.729	4.725	0.004	571734	0.10000	0.094432		
4 Aroclor-1016						CAS #: 12674-11-2	
6.609	6.603	0.006	450370	2.00000	1.7430	0.00- 0.00	0.00
7.067	7.063	0.004	253550	2.00000	1.7084	100.00- 100.00	0.00
7.221	7.216	0.005	1080718	2.00000	1.8081	223.51- 223.51	0.00
7.447	7.441	0.006	328903	2.00000	1.7351	223.51- 223.51	0.00
7.629	7.625	0.004	280772	2.00000	1.7880	317.56- 317.56	0.00
Average of Peak Amounts =					1.75652		
8 Aroclor-1260						CAS #: 11096-82-5	
9.537	9.531	0.006	669248	2.00000	1.7467	0.00- 0.00	0.00
9.676	9.671	0.005	803703	2.00000	1.7489	115.86- 115.86	0.00
10.285	10.276	0.009	577337	2.00000	1.7949	136.91- 136.91	0.00
10.376	10.368	0.008	486007	2.00000	1.7538	140.00- 140.00	0.00
11.283	11.274	0.009	979599	2.00000	1.8262	128.33- 128.33	0.00
Average of Peak Amounts =					1.77410		
$ 11 DCB Decachlorobiphenyl (Surr)						CAS #: 2051-24-3	
16.157	16.131	0.026	194730	0.10000	0.086478		

Data File: O0620725.D

Date: 28-JUN-2012 19:48

Client ID: Instrument: gc8.i

Sample Info: 063028082A.b Operator: 402360



Data File: \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620726.D
Report Date: 07-Jul-2012 08:48

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\O0620726.D
Lab Smp Id: IC- 361641
Inj Date : 28-JUN-2012 20:13
Operator : 402360 Inst ID: gc8.i
Smp Info : 063028082A.b
Misc Info : IC- 361641
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc8.i\07052a8082LL.b\PCBALL.m
Meth Date : 07-Jul-2012 08:48 gc8.i Quant Type: ESTD
Cal Date : 28-JUN-2012 19:48 Cal File: O0620725.D
Als bottle: 26 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene						CAS #: 877-09-8	
4.728	4.725	0.003	1158619	0.20000	0.19137		
4 Aroclor-1016						CAS #: 12674-11-2	
6.609	6.603	0.006	901620	4.00000	3.4893	0.00- 0.00	0.00
7.066	7.063	0.003	512637	4.00000	3.4542	100.00- 100.00	0.00
7.220	7.216	0.004	2223170	4.00000	3.7194	223.51- 223.51	0.00
7.446	7.441	0.005	674680	4.00000	3.5593	223.51- 223.51	0.00
7.628	7.625	0.003	568285	4.00000	3.6190	317.56- 317.56	0.00
Average of Peak Amounts =					3.56824		
8 Aroclor-1260						CAS #: 11096-82-5	
9.536	9.531	0.005	1375337	4.00000	3.5895	0.00- 0.00	0.00
9.676	9.671	0.005	1672119	4.00000	3.6386	115.86- 115.86	0.00
10.284	10.276	0.008	1194535	4.00000	3.7138	136.91- 136.91	0.00
10.376	10.368	0.008	994245	4.00000	3.5878	140.00- 140.00	0.00
11.284	11.274	0.010	2034372	4.00000	3.7926	128.33- 128.33	0.00
Average of Peak Amounts =					3.66446		
$ 11 DCB Decachlorobiphenyl (Surr)						CAS #: 2051-24-3	
16.156	16.131	0.025	386064	0.20000	0.17145		

Data File: O0620726.D

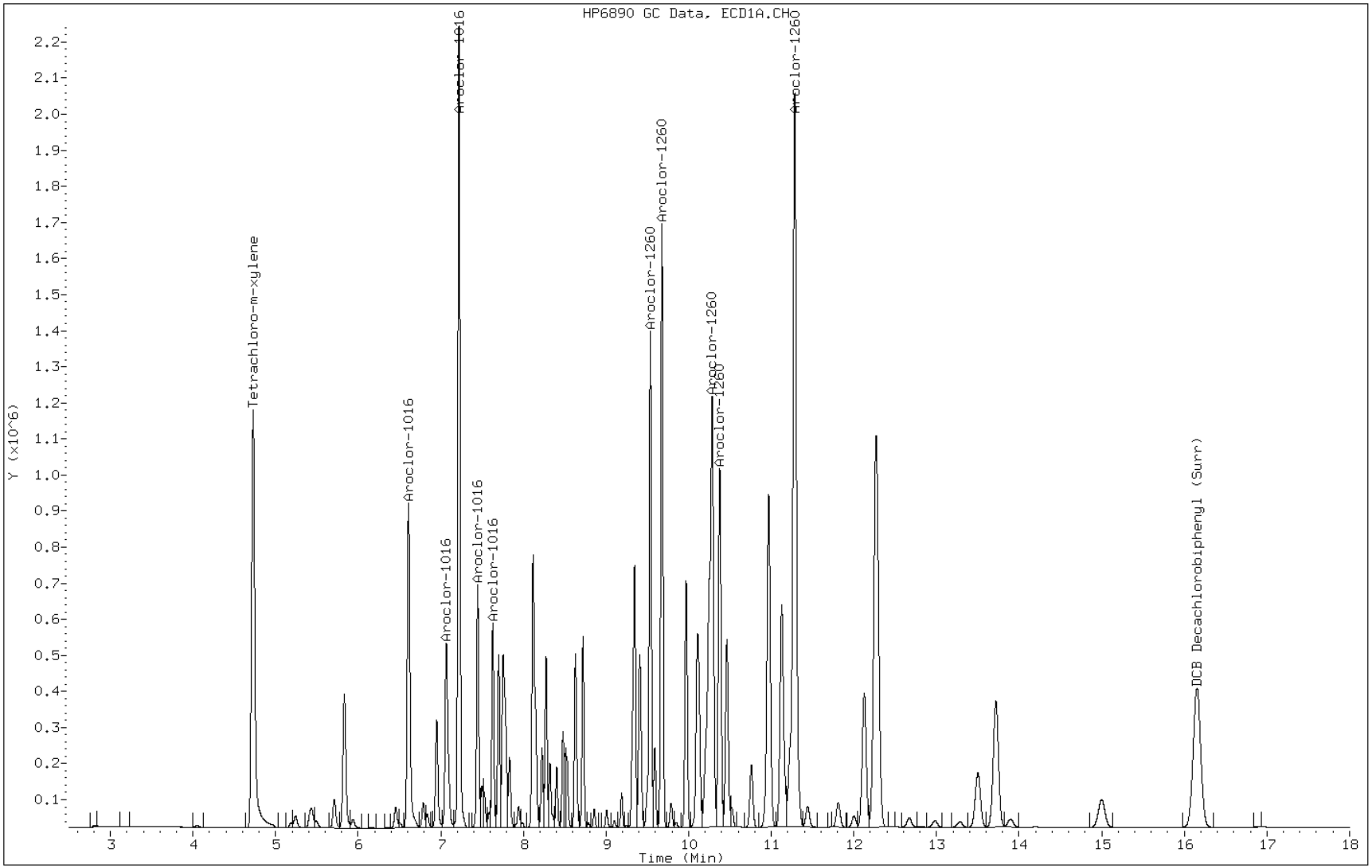
Date: 28-JUN-2012 20:13

Client ID:

Instrument: gc8.i

Sample Info: 063028082A.b

Operator: 402360



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCV 180-47722/7 Calibration Date: 08/29/2012 16:29

Instrument ID: GC8 Calib Start Date: 06/28/2012 17:45

GC Column: RTX-50 ID: 0.53(mm) Calib End Date: 06/28/2012 20:13

Lab File ID: O0821066.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	258392	244947		0.948	1.00	-5.2	15.0
PCB-1016 Peak 2	Ave	148410	140401		0.946	1.00	-5.4	15.0
PCB-1016 Peak 3	Ave	597720	605642		1.01	1.00	1.3	15.0
PCB-1016 Peak 4	Ave	189555	174452		0.920	1.00	-8.0	15.0
PCB-1016 Peak 5	Ave	157028	151983		0.968	1.00	-3.2	15.0
PCB-1260 Peak 1	Ave	383152	399483		1.04	1.00	4.3	15.0
PCB-1260 Peak 2	Ave	459543	537196		1.17	1.00	16.9*	15.0
PCB-1260 Peak 3	Ave	321646	344269		1.07	1.00	7.0	15.0
PCB-1260 Peak 4	Ave	277116	345280		1.25	1.00	24.6*	15.0
PCB-1260 Peak 5	Ave	536407	653456		1.22	1.00	21.8*	15.0
Tetrachloro-m-xylene	Ave	6054454	6235900		0.0515	0.0500	3.0	15.0
DCB Decachlorobiphenyl (Surr)	Ave	2251786	2277480		0.0506	0.0500	1.1	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCV 180-47722/7 Calibration Date: 08/29/2012 16:29

Instrument ID: GC8 Calib Start Date: 06/28/2012 17:45

GC Column: RTX-50 ID: 0.53(mm) Calib End Date: 06/28/2012 20:13

Lab File ID: O0821066.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	6.51	6.48	6.54
PCB-1016 Peak 2	6.98	6.94	7.00
PCB-1016 Peak 3	7.13	7.10	7.16
PCB-1016 Peak 4	7.36	7.32	7.38
PCB-1016 Peak 5	7.54	7.51	7.57
PCB-1260 Peak 1	9.44	9.41	9.47
PCB-1260 Peak 2	9.58	9.55	9.61
PCB-1260 Peak 3	10.17	10.13	10.19
PCB-1260 Peak 4	10.26	10.22	10.28
PCB-1260 Peak 5	11.13	11.10	11.16
Tetrachloro-m-xylene	4.64	4.61	4.67
DCB Decachlorobiphenyl (Surr)	15.81	15.76	15.82

Data File: \\pitsvr06\d\chem\gc8.i\08292Aa8082ll.b\O0821066.D
Report Date: 30-Aug-2012 12:04

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc8.i\08292Aa8082ll.b\O0821066.D
Lab Smp Id: CCVRT-361637
Inj Date : 29-AUG-2012 16:29
Operator : 402360 Inst ID: gc8.i
Smp Info : 08292A8082LL.b
Misc Info : CCVRT-361637
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc8.i\08292Aa8082ll.b\PCBALL.m
Meth Date : 30-Aug-2012 12:04 gc8.i Quant Type: ESTD
Cal Date : 28-JUN-2012 20:13 Cal File: O0620726.D
Als bottle: 8 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.641	4.641	0.000	311795	0.05000	0.051498		
4 Aroclor-1016					CAS #: 12674-11-2		
6.513	6.513	0.000	244947	1.00000	0.94796	0.00- 0.00	0.00(a)
6.976	6.976	0.000	140401	1.00000	0.94603	100.00- 100.00	0.00
7.131	7.131	0.000	605642	1.00000	1.0132	223.51- 223.51	0.00
7.358	7.358	0.000	174452	1.00000	0.92032	223.51- 223.51	0.00
7.543	7.543	0.000	151983	1.00000	0.96787	317.56- 317.56	0.00
Average of Peak Amounts =					0.95908		
8 Aroclor-1260					CAS #: 11096-82-5		
9.443	9.443	0.000	399483	1.00000	1.0426	0.00- 0.00	0.00
9.580	9.580	0.000	537196	1.00000	1.1690	115.86- 115.86	0.00
10.168	10.168	0.000	344269	1.00000	1.0703	136.91- 136.91	0.00
10.257	10.257	0.000	345280	1.00000	1.2460	140.00- 140.00	0.00
11.133	11.133	0.000	653456	1.00000	1.2182	128.33- 128.33	0.00
Average of Peak Amounts =					1.14922		
$ 11 DCB Decachlorobiphenyl (Surr)					CAS #: 2051-24-3		
15.807	15.807	0.000	113874	0.05000	0.050570		

Data File: \\pitsvr06\d\chem\gc8.i\08292Aa8082ll.b\O0821066.D
Report Date: 30-Aug-2012 12:04

QC Flag Legend

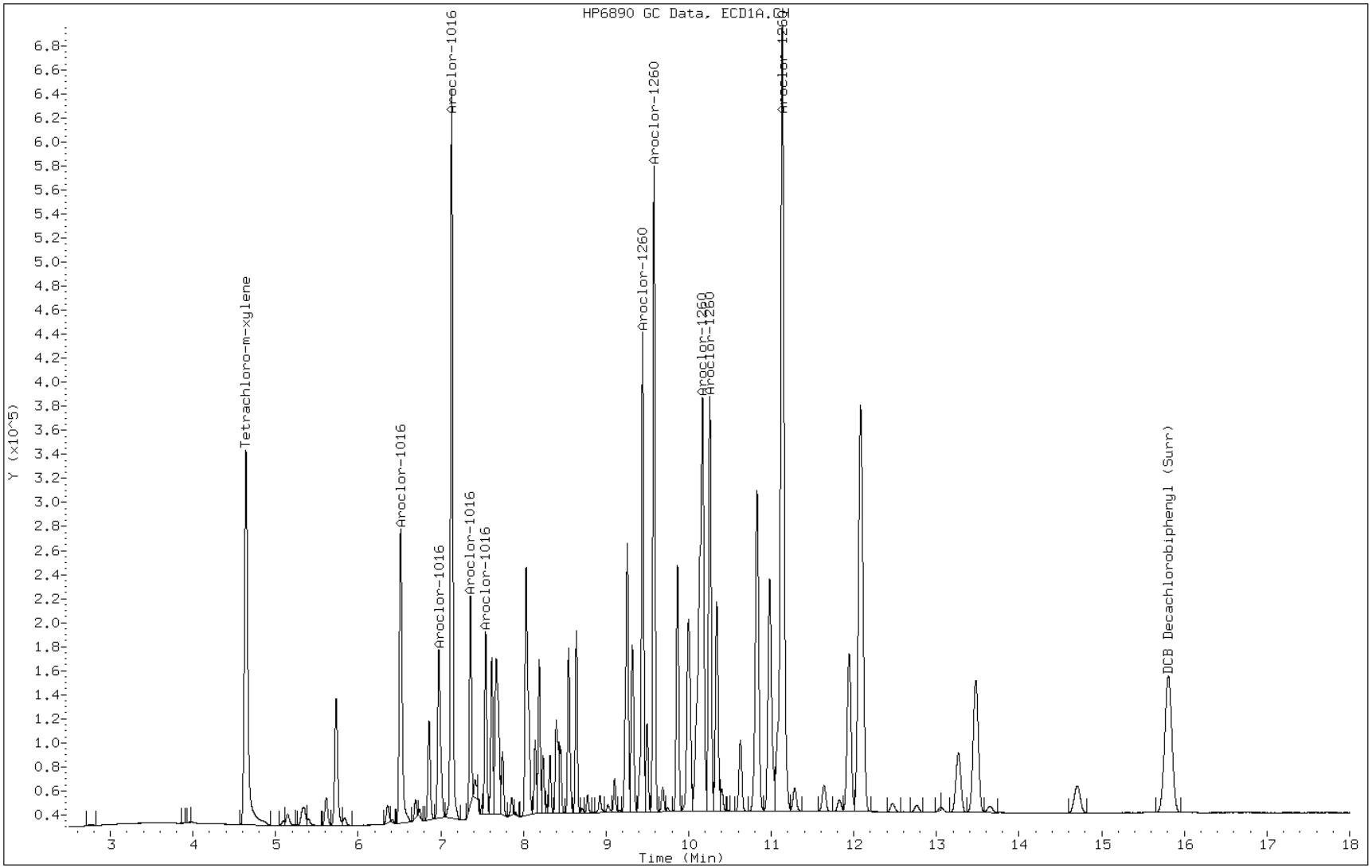
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: O0821066.D

Date: 29-AUG-2012 16:29

Client ID: Instrument: gc8.i

Sample Info: 08292A8082LL.b Operator: 402360



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCVRT 180-47722/8 Calibration Date: 08/30/2012 01:29

Instrument ID: GC8 Calib Start Date: 06/28/2012 17:45

GC Column: RTX-50 ID: 0.53(mm) Calib End Date: 06/28/2012 20:13

Lab File ID: O0821088.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	258392	257556		0.997	1.00	-0.3	15.0
PCB-1016 Peak 2	Ave	148410	147680		0.995	1.00	-0.5	15.0
PCB-1016 Peak 3	Ave	597720	623494		1.04	1.00	4.3	15.0
PCB-1016 Peak 4	Ave	189555	182935		0.965	1.00	-3.5	15.0
PCB-1016 Peak 5	Ave	157028	157619		1.00	1.00	0.4	15.0
PCB-1260 Peak 1	Ave	383152	415345		1.08	1.00	8.4	15.0
PCB-1260 Peak 2	Ave	459543	558611		1.22	1.00	21.6*	15.0
PCB-1260 Peak 3	Ave	321646	356582		1.11	1.00	10.9	15.0
PCB-1260 Peak 4	Ave	277116	359712		1.30	1.00	29.8*	15.0
PCB-1260 Peak 5	Ave	536407	679453		1.27	1.00	26.7*	15.0
Tetrachloro-m-xylene	Ave	6054454	6340440		0.0524	0.0500	4.7	15.0
DCB Decachlorobiphenyl (Surr)	Ave	2251786	2324980		0.0516	0.0500	3.3	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCVRT 180-47722/8 Calibration Date: 08/30/2012 01:29

Instrument ID: GC8 Calib Start Date: 06/28/2012 17:45

GC Column: RTX-50 ID: 0.53(mm) Calib End Date: 06/28/2012 20:13

Lab File ID: O0821088.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	6.51	6.48	6.54
PCB-1016 Peak 2	6.97	6.94	7.00
PCB-1016 Peak 3	7.13	7.10	7.16
PCB-1016 Peak 4	7.36	7.32	7.38
PCB-1016 Peak 5	7.54	7.51	7.57
PCB-1260 Peak 1	9.44	9.41	9.47
PCB-1260 Peak 2	9.58	9.55	9.61
PCB-1260 Peak 3	10.16	10.13	10.19
PCB-1260 Peak 4	10.25	10.22	10.28
PCB-1260 Peak 5	11.13	11.10	11.16
Tetrachloro-m-xylene	4.64	4.61	4.67
DCB Decachlorobiphenyl (Surr)	15.80	15.76	15.82

Data File: \\pitsvr06\d\chem\gc8.i\08292Aa8082ll.b\O0821088.D
Report Date: 30-Aug-2012 12:04

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc8.i\08292Aa8082ll.b\O0821088.D
Lab Smp Id: CCV-361637
Inj Date : 30-AUG-2012 01:29
Operator : 402360 Inst ID: gc8.i
Smp Info : 08292Aa8082.b
Misc Info : CCV-361637
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc8.i\08292Aa8082ll.b\PCBALL.m
Meth Date : 30-Aug-2012 12:04 gc8.i Quant Type: ESTD
Cal Date : 28-JUN-2012 20:13 Cal File: O0620726.D
Als bottle: 30 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

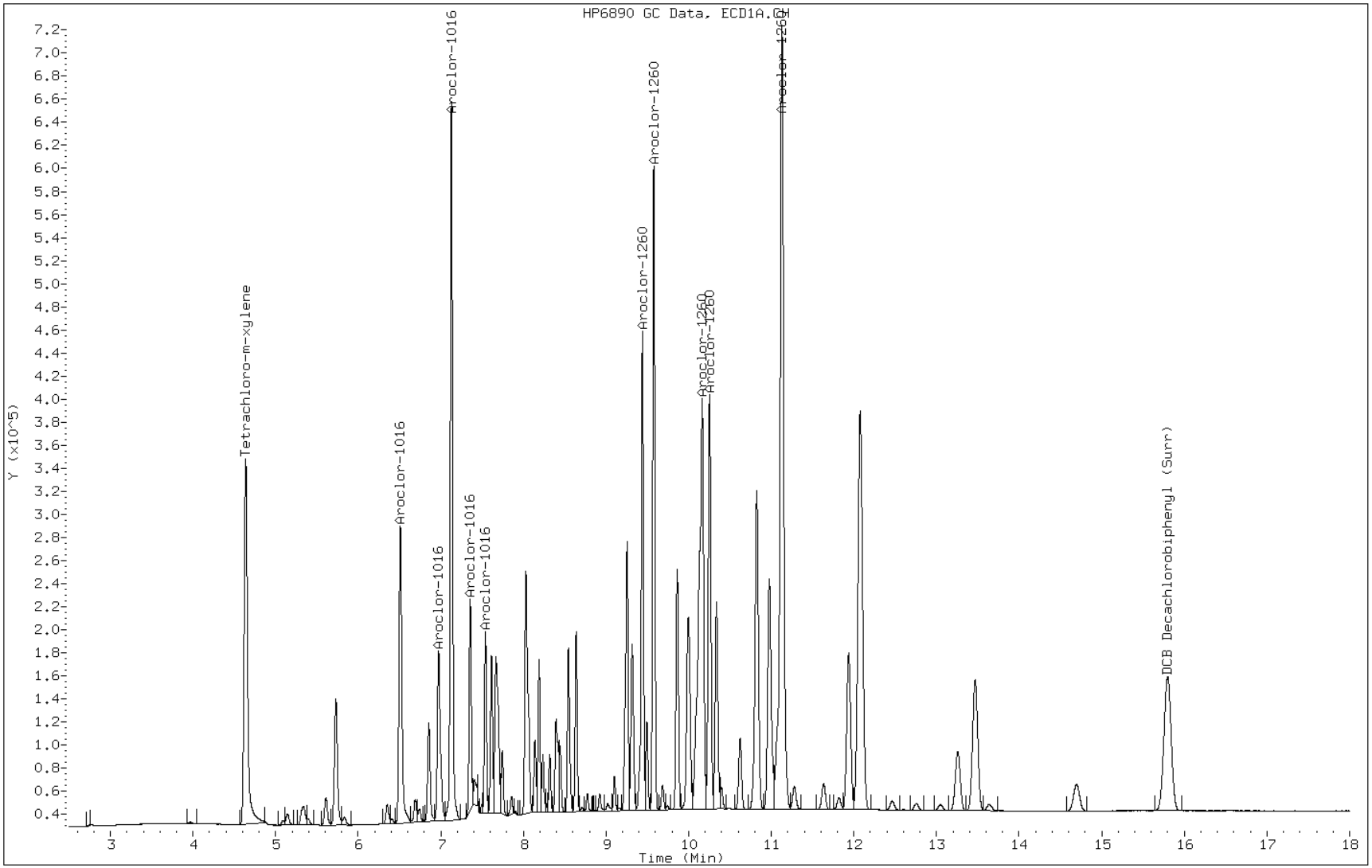
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
4.638	4.638	0.000	317022	0.05000	0.052362		
4 Aroclor-1016					CAS #: 12674-11-2		
6.510	6.510	0.000	257556	1.00000	0.99676	0.00- 0.00	0.00
6.972	6.972	0.000	147680	1.00000	0.99508	100.00- 100.00	0.00
7.128	7.128	0.000	623494	1.00000	1.0431	223.51- 223.51	0.00
7.355	7.355	0.000	182935	1.00000	0.96508	223.51- 223.51	0.00
7.540	7.540	0.000	157619	1.00000	1.0038	317.56- 317.56	0.00
Average of Peak Amounts =					1.00076		
8 Aroclor-1260					CAS #: 11096-82-5		
9.441	9.441	0.000	415345	1.00000	1.0840	0.00- 0.00	0.00
9.577	9.577	0.000	558611	1.00000	1.2156	115.86- 115.86	0.00
10.163	10.163	0.000	356582	1.00000	1.1086	136.91- 136.91	0.00
10.253	10.253	0.000	359712	1.00000	1.2980	140.00- 140.00	0.00
11.128	11.128	0.000	679453	1.00000	1.2667	128.33- 128.33	0.00
Average of Peak Amounts =					1.19458		
$ 11 DCB Decachlorobiphenyl (Surr)					CAS #: 2051-24-3		
15.797	15.797	0.000	116249	0.05000	0.051625		

Data File: O0821088.D

Date: 30-AUG-2012 01:29

Client ID: Instrument: gc8.i

Sample Info: 08292Aa8082.b Operator: 402360



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCV 180-47722/17 Calibration Date: 08/30/2012 08:02

Instrument ID: GC8 Calib Start Date: 06/28/2012 17:45

GC Column: RTX-50 ID: 0.53(mm) Calib End Date: 06/28/2012 20:13

Lab File ID: O0821104.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	258392	252294		0.976	1.00	-2.4	15.0
PCB-1016 Peak 2	Ave	148410	142941		0.963	1.00	-3.7	15.0
PCB-1016 Peak 3	Ave	597720	618745		1.04	1.00	3.5	15.0
PCB-1016 Peak 4	Ave	189555	177091		0.934	1.00	-6.6	15.0
PCB-1016 Peak 5	Ave	157028	156992		1.00	1.00	-0.0	15.0
PCB-1260 Peak 1	Ave	383152	409750		1.07	1.00	6.9	15.0
PCB-1260 Peak 2	Ave	459543	560594		1.22	1.00	22.0*	15.0
PCB-1260 Peak 3	Ave	321646	355733		1.11	1.00	10.6	15.0
PCB-1260 Peak 4	Ave	277116	360494		1.30	1.00	30.1*	15.0
PCB-1260 Peak 5	Ave	536407	679097		1.27	1.00	26.6*	15.0
Tetrachloro-m-xylene	Ave	6054454	6363760		0.0526	0.0500	5.1	15.0
DCB Decachlorobiphenyl (Surr)	Ave	2251786	2290320		0.0509	0.0500	1.7	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCV 180-47722/17 Calibration Date: 08/30/2012 08:02

Instrument ID: GC8 Calib Start Date: 06/28/2012 17:45

GC Column: RTX-50 ID: 0.53(mm) Calib End Date: 06/28/2012 20:13

Lab File ID: O0821104.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	6.51	6.48	6.54
PCB-1016 Peak 2	6.97	6.94	7.00
PCB-1016 Peak 3	7.13	7.10	7.16
PCB-1016 Peak 4	7.35	7.32	7.38
PCB-1016 Peak 5	7.54	7.51	7.57
PCB-1260 Peak 1	9.44	9.41	9.47
PCB-1260 Peak 2	9.58	9.55	9.61
PCB-1260 Peak 3	10.16	10.13	10.19
PCB-1260 Peak 4	10.25	10.22	10.28
PCB-1260 Peak 5	11.13	11.10	11.16
Tetrachloro-m-xylene	4.64	4.61	4.67
DCB Decachlorobiphenyl (Surr)	15.79	15.76	15.82

Data File: \\pitsvr06\d\chem\gc8.i\08292Aa8082ll.b\O0821104.D
Report Date: 30-Aug-2012 12:04

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc8.i\08292Aa8082ll.b\O0821104.D
Lab Smp Id: CCV-361637
Inj Date : 30-AUG-2012 08:02
Operator : 402360 Inst ID: gc8.i
Smp Info : 08292Aa8082.b
Misc Info : CCV-361637
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc8.i\08292Aa8082ll.b\PCBALL.m
Meth Date : 30-Aug-2012 12:04 gc8.i Quant Type: ESTD
Cal Date : 28-JUN-2012 20:13 Cal File: O0620726.D
Als bottle: 68 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene						CAS #: 877-09-8	
4.637	4.637	0.000	318188	0.05000	0.052554		
4 Aroclor-1016						CAS #: 12674-11-2	
6.509	6.509	0.000	252294	1.00000	0.97640	0.00- 0.00	0.00(a)
6.971	6.971	0.000	142941	1.00000	0.96315	100.00- 100.00	0.00
7.126	7.126	0.000	618745	1.00000	1.0352	223.51- 223.51	0.00
7.354	7.354	0.000	177091	1.00000	0.93425	223.51- 223.51	0.00
7.539	7.539	0.000	156992	1.00000	0.99977	317.56- 317.56	0.00
Average of Peak Amounts =					0.98175		
8 Aroclor-1260						CAS #: 11096-82-5	
9.439	9.439	0.000	409750	1.00000	1.0694	0.00- 0.00	0.00
9.576	9.576	0.000	560594	1.00000	1.2199	115.86- 115.86	0.00
10.163	10.163	0.000	355733	1.00000	1.1060	136.91- 136.91	0.00
10.251	10.251	0.000	360494	1.00000	1.3009	140.00- 140.00	0.00
11.126	11.126	0.000	679097	1.00000	1.2660	128.33- 128.33	0.00
Average of Peak Amounts =					1.19244		
$ 11 DCB Decachlorobiphenyl (Surr)						CAS #: 2051-24-3	
15.792	15.792	0.000	114516	0.05000	0.050856		

Data File: \\pitsvr06\d\chem\gc8.i\08292Aa8082ll.b\O0821104.D
Report Date: 30-Aug-2012 12:04

QC Flag Legend

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

Data File: O0821104.D

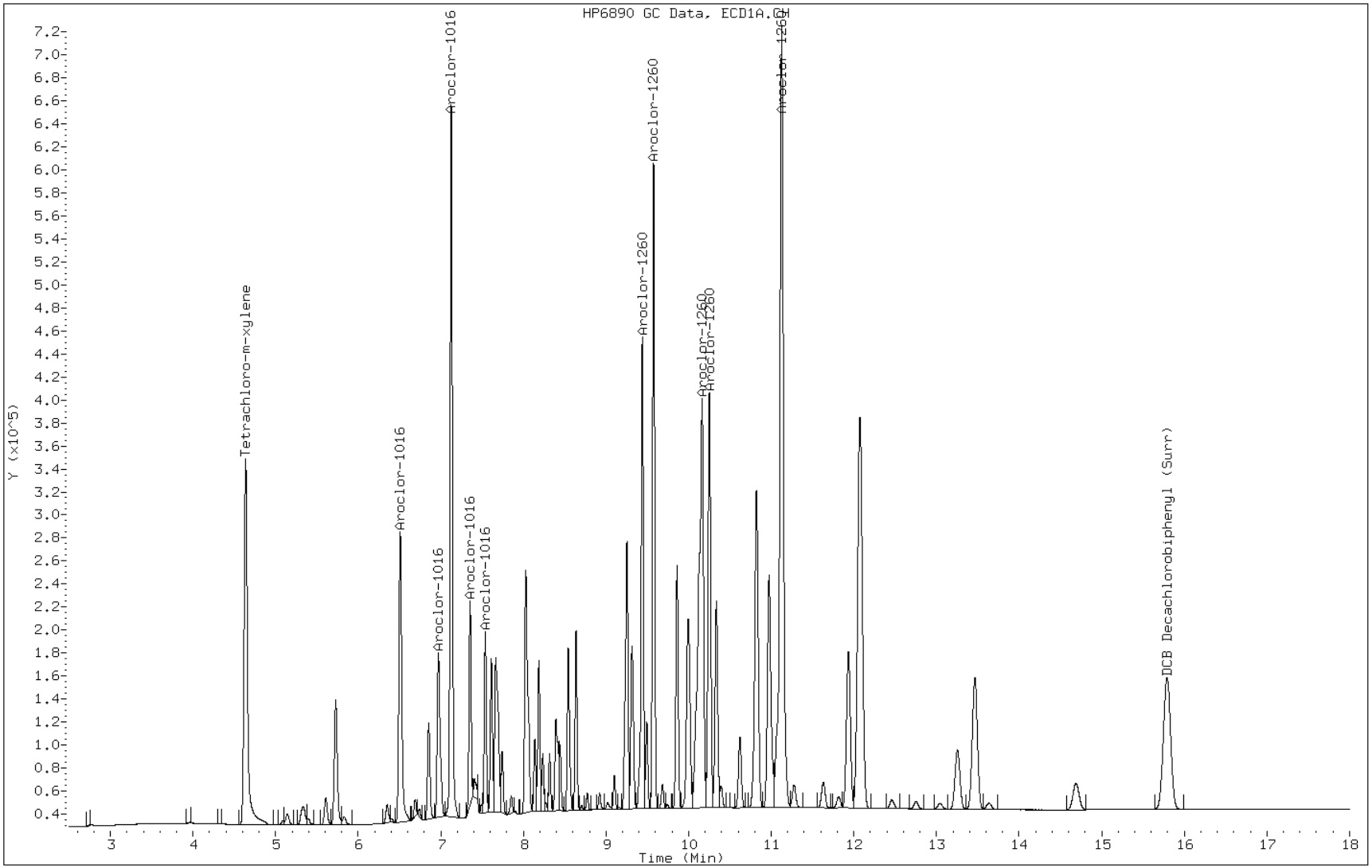
Date: 30-AUG-2012 08:02

Client ID:

Instrument: gc8.i

Sample Info: 08292Aa8082.b

Operator: 402360



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 180-45667/1-A
Matrix: Water
Lab File ID: O0821101.D
Analysis Method: 8082
Date Collected:
Extraction Method: 3510C
Date Extracted: 08/20/2012 13:55
Sample wt/vol: 1000(mL)
Date Analyzed: 08/30/2012 06:48
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-50 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 47722
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.010	0.0025
11104-28-2	PCB-1221	ND		0.010	0.0025
11141-16-5	PCB-1232	ND		0.010	0.0029
53469-21-9	PCB-1242	ND		0.010	0.0019
12672-29-6	PCB-1248	ND		0.010	0.0023
11097-69-1	PCB-1254	ND		0.010	0.0023
11096-82-5	PCB-1260	ND		0.010	0.0014

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	86		50-140
877-09-8	Tetrachloro-m-xylene	83		47-150

Data File: \\pitsvr06\d\chem\gc8.i\08292Aa8082ll.b\O0821101.D
Report Date: 30-Aug-2012 12:06

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc8.i\08292Aa8082ll.b\O0821101.D
Lab Smp Id: MB 180-45667/1-A
Inj Date : 30-AUG-2012 06:48
Operator : 402360 Inst ID: gc8.i
Smp Info : 08292Aa8082ll.b
Misc Info : MB 180-45667/1-A
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc8.i\08292Aa8082ll.b\PCBALL.m
Meth Date : 30-Aug-2012 12:04 gc8.i Quant Type: ESTD
Cal Date : 28-JUN-2012 20:13 Cal File: O0620726.D
Als bottle: 65
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PCB.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene						CAS #: 877-09-8	
4.640	4.637	0.003	100852	0.01666	0.66630		

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1 Aroclor-1221 CAS #: 11104-28-2

Peaks not detected for Quant. or Qual. signal(s).

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4 Aroclor-1016 CAS #: 12674-11-2

Peaks not detected for Quant. or Qual. signal(s).

---

5 Aroclor-1242 CAS #: 53469-21-9

Peaks not detected for Quant. or Qual. signal(s).

Data File: \\pitsvr06\d\chem\gc8.i\08292Aa8082ll.b\O0821101.D
Report Date: 30-Aug-2012 12:06

```
                                        CONCENTRATIONS
                                        ON-COL    FINAL
  RT   EXP RT   DLT RT         RESPONSE (   ng)  ( ug/L)   TARGET RANGE    RATIO
 ==== ======== ========        ======== =======  =======   ============    =====

    6 Aroclor-1248                                CAS #: 12672-29-6

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
    3 Aroclor-1232                                CAS #: 11141-16-5

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
    7 Aroclor-1254                                CAS #: 11097-69-1

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
    9 Aroclor-1262                                CAS #: 37324-23-5

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
    8 Aroclor-1260                                CAS #: 11096-82-5

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
   10 Aroclor-1268                                CAS #: 11100-14-4

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
$  11 DCB Decachlorobiphenyl (Surr)               CAS #: 2051-24-3
15.793  15.792    0.001           38625 0.01715  0.68612                       (R)
-------------------------------------------------------------------------------
```

QC Flag Legend

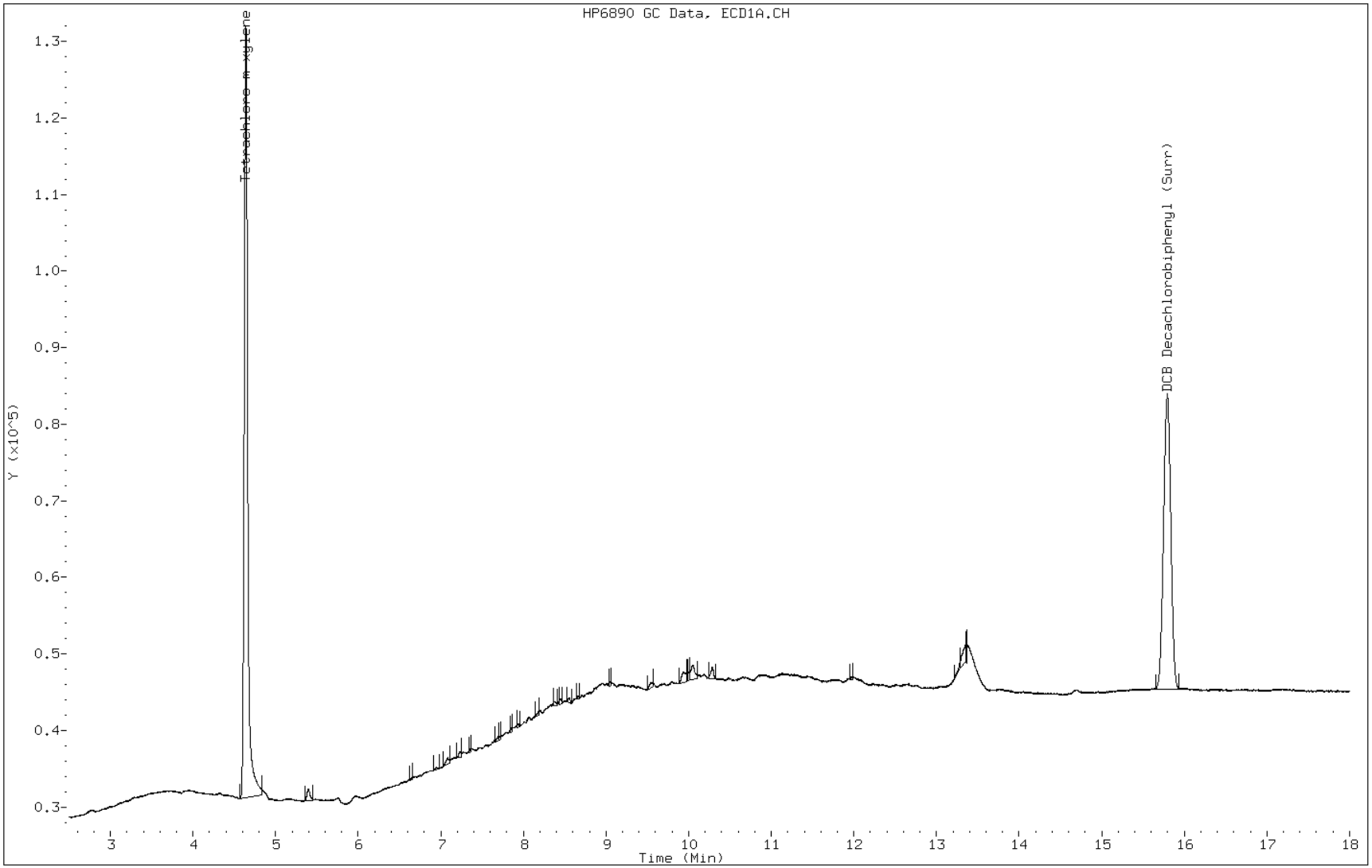
R - Spike/Surrogate failed recovery limits.

Data File: O0821101.D

Date: 30-AUG-2012 06:48

Client ID: Instrument: gc8.i

Sample Info: 08292Aa8082ll.b Operator: 402360



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 180-45667/4-A
Matrix: Water
Lab File ID: O0821102.D
Analysis Method: 8082
Date Collected:
Extraction Method: 3510C
Date Extracted: 08/20/2012 13:55
Sample wt/vol: 1000(mL)
Date Analyzed: 08/30/2012 07:12
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-50 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 47722
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.793		0.010	0.0025
11104-28-2	PCB-1221	ND		0.010	0.0025
11141-16-5	PCB-1232	ND		0.010	0.0029
53469-21-9	PCB-1242	ND		0.010	0.0019
12672-29-6	PCB-1248	ND		0.010	0.0023
11097-69-1	PCB-1254	ND		0.010	0.0023
11096-82-5	PCB-1260	0.949		0.010	0.0014

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	88		50-140
877-09-8	Tetrachloro-m-xylene	84		47-150

Data File: \\pitsvr06\d\chem\gc8.i\08292Aa8082ll.b\O0821102.D
Report Date: 30-Aug-2012 12:07

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc8.i\08292Aa8082ll.b\O0821102.D
Lab Smp Id: LCS 180-45667/4-A
Inj Date : 30-AUG-2012 07:12
Operator : 402360 Inst ID: gc8.i
Smp Info : 08292Aa8082ll.b
Misc Info : LCS 180-45667/4-A
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc8.i\08292Aa8082ll.b\PCBALL.m
Meth Date : 30-Aug-2012 12:04 gc8.i Quant Type: ESTD
Cal Date : 28-JUN-2012 20:13 Cal File: O0620726.D
Als bottle: 66
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PCB.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene						CAS #: 877-09-8	
4.640	4.637	0.003	102008	0.01685	0.67394		
1 Aroclor-1221						CAS #: 11104-28-2	
Operator disabled compound identification.							
4 Aroclor-1016						CAS #: 12674-11-2	
6.509	6.509	0.000	201407	0.77946	31.178	0.00- 0.00	0.00
6.972	6.971	0.001	118071	0.79557	31.823	100.00- 100.00	0.00
7.127	7.126	0.001	494321	0.82701	33.080	223.51- 223.51	0.00
7.355	7.354	0.001	146646	0.77363	30.945	223.51- 223.51	0.00
7.539	7.539	0.000	123618	0.78723	31.489	317.56- 317.56	0.00
Average of Peak Concentrations =					31.703		

Data File: \\pitsvr06\d\chem\gc8.i\08292Aa8082ll.b\O0821102.D
Report Date: 30-Aug-2012 12:07

```
                                        CONCENTRATIONS
                                        ON-COL    FINAL
  RT   EXP RT   DLT RT         RESPONSE (   ng)  ( ug/L)   TARGET RANGE    RATIO
 ==== ======== ========        ======== =======  =======   ============    =====

    5 Aroclor-1242                                CAS #: 53469-21-9

Operator disabled compound identification.
-------------------------------------------------------------------------------
    6 Aroclor-1248                                CAS #: 12672-29-6

Operator disabled compound identification.
-------------------------------------------------------------------------------
    3 Aroclor-1232                                CAS #: 11141-16-5

Operator disabled compound identification.
-------------------------------------------------------------------------------
    7 Aroclor-1254                                CAS #: 11097-69-1

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
    9 Aroclor-1262                                CAS #: 37324-23-5

Operator disabled compound identification.
-------------------------------------------------------------------------------
    8 Aroclor-1260                                CAS #: 11096-82-5
9.439    9.439    0.000          326940 0.85329   34.132   0.00-   0.00     0.00
9.577    9.576    0.001          436422 0.94969   37.987 115.86- 115.86     0.00
10.162  10.163   -0.001          280968 0.87353   34.941 136.91- 136.91     0.00
10.250  10.251   -0.001          289090 1.04321   41.728 140.00- 140.00     0.00
11.126  11.126    0.000          549176 1.02381   40.952 128.33- 128.33     0.00
               Average of Peak Concentrations =   37.948
-------------------------------------------------------------------------------
   10 Aroclor-1268                                CAS #: 11100-14-4

Operator disabled compound identification.
-------------------------------------------------------------------------------
$  11 DCB Decachlorobiphenyl (Surr)                CAS #: 2051-24-3
15.790  15.792   -0.002           39446 0.01752  0.70071                        (R)
-------------------------------------------------------------------------------
```

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: O0821102.D

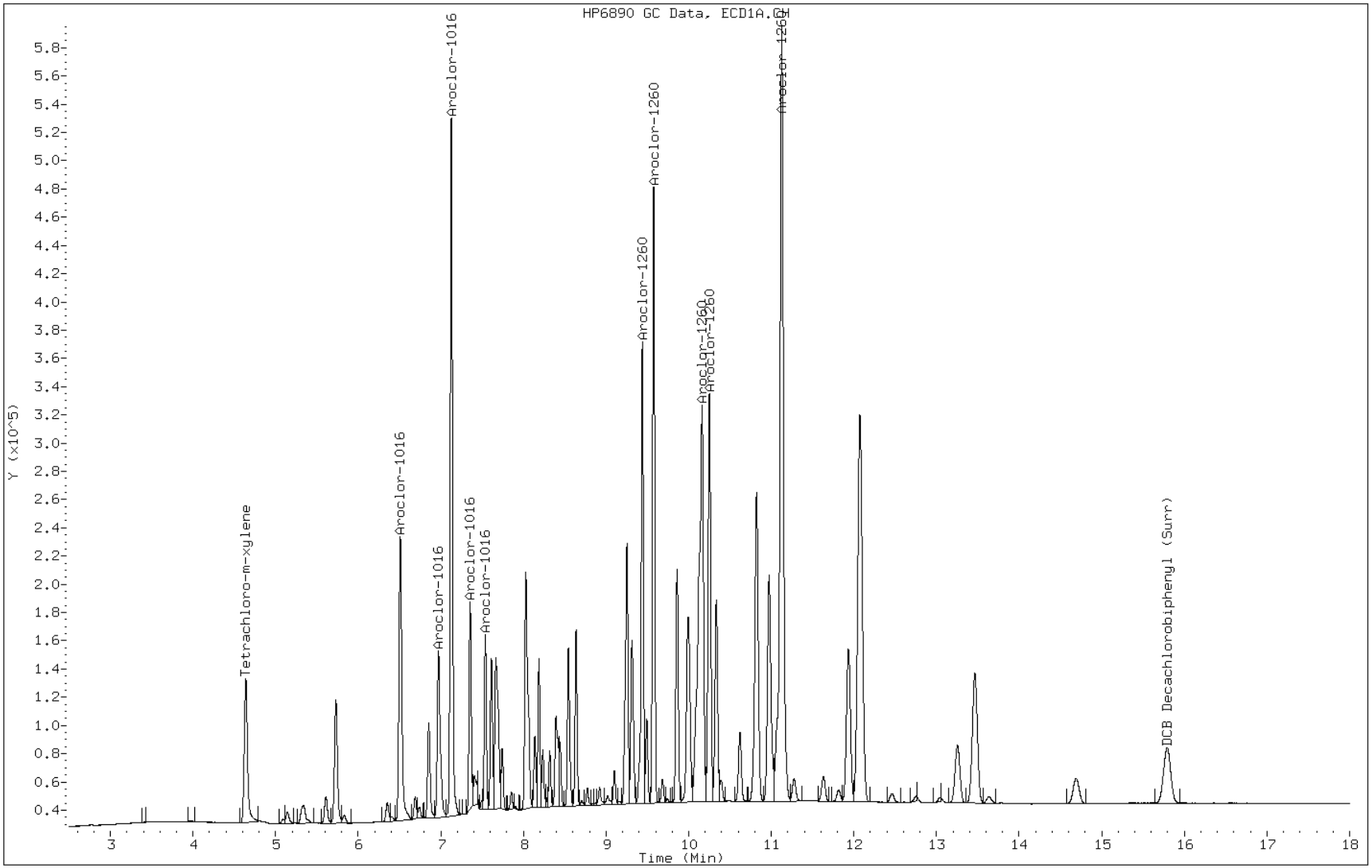
Date: 30-AUG-2012 07:12

Client ID:

Instrument: gc8.i

Sample Info: 08292Aa8082ll.b

Operator: 402360



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 180-45667/5-A
Matrix: Water
Lab File ID: O0821103.D
Analysis Method: 8082
Date Collected:
Extraction Method: 3510C
Date Extracted: 08/20/2012 13:55
Sample wt/vol: 1000(mL)
Date Analyzed: 08/30/2012 07:37
Con. Extract Vol.: 1.0(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-50 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 47722
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.763		0.010	0.0025
11104-28-2	PCB-1221	ND		0.010	0.0025
11141-16-5	PCB-1232	ND		0.010	0.0029
53469-21-9	PCB-1242	ND		0.010	0.0019
12672-29-6	PCB-1248	ND		0.010	0.0023
11097-69-1	PCB-1254	ND		0.010	0.0023
11096-82-5	PCB-1260	0.907		0.010	0.0014

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	85		50-140
877-09-8	Tetrachloro-m-xylene	81		47-150

Data File: \\pitsvr06\d\chem\gc8.i\08292Aa8082ll.b\O0821103.D
Report Date: 30-Aug-2012 12:07

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc8.i\08292Aa8082ll.b\O0821103.D
Lab Smp Id: LCSD 180-45667/5-A
Inj Date : 30-AUG-2012 07:37
Operator : 402360 Inst ID: gc8.i
Smp Info : 08292Aa8082ll.b
Misc Info : LCSD 180-45667/5-A
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc8.i\08292Aa8082ll.b\PCBALL.m
Meth Date : 30-Aug-2012 12:04 gc8.i Quant Type: ESTD
Cal Date : 28-JUN-2012 20:13 Cal File: O0620726.D
Als bottle: 67
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PCB.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: PITPC-126

Concentration Formula: Amt * DF * Vt/Vo/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	40000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene						CAS #: 877-09-8	
4.640	4.637	0.003	98363	0.01625	0.64986		
1 Aroclor-1221						CAS #: 11104-28-2	
Operator disabled compound identification.							
4 Aroclor-1016						CAS #: 12674-11-2	
6.509	6.509	0.000	194198	0.75156	30.062	0.00- 0.00	0.00
6.973	6.971	0.002	112458	0.75775	30.310	100.00- 100.00	0.00
7.127	7.126	0.001	476885	0.79784	31.914	223.51- 223.51	0.00
7.355	7.354	0.001	140982	0.74375	29.750	223.51- 223.51	0.00
7.538	7.539	-0.001	119624	0.76180	30.472	317.56- 317.56	0.00
			Average of Peak Concentrations =		30.502		

Data File: \\pitsvr06\d\chem\gc8.i\08292Aa8082ll.b\O0821103.D
Report Date: 30-Aug-2012 12:07

```
                                        CONCENTRATIONS
                                        ON-COL    FINAL
  RT   EXP RT   DLT RT         RESPONSE (   ng)  ( ug/L)   TARGET RANGE    RATIO
 ==== ======== ========        ======== =======  =======   ============    =====

    5 Aroclor-1242                                CAS #: 53469-21-9

Operator disabled compound identification.
-------------------------------------------------------------------------------
    6 Aroclor-1248                                CAS #: 12672-29-6

Operator disabled compound identification.
-------------------------------------------------------------------------------
    3 Aroclor-1232                                CAS #: 11141-16-5

Operator disabled compound identification.
-------------------------------------------------------------------------------
    7 Aroclor-1254                                CAS #: 11097-69-1

Peaks not detected for Quant. or Qual. signal(s).

-------------------------------------------------------------------------------
    9 Aroclor-1262                                CAS #: 37324-23-5

Operator disabled compound identification.
-------------------------------------------------------------------------------
    8 Aroclor-1260                                CAS #: 11096-82-5
9.438    9.439   -0.001          314733 0.82143   32.857   0.00-   0.00     0.00
9.576    9.576    0.000          420964 0.91605   36.642 115.86- 115.86     0.00
10.163  10.163    0.000          271554 0.84426   33.770 136.91- 136.91     0.00
10.252  10.251    0.001          276330 0.99716   39.886 140.00- 140.00     0.00
11.127  11.126    0.001          513598 0.95748   38.299 128.33- 128.33     0.00
               Average of Peak Concentrations =   36.291
-------------------------------------------------------------------------------
   10 Aroclor-1268                                CAS #: 11100-14-4

Operator disabled compound identification.
-------------------------------------------------------------------------------
$  11 DCB Decachlorobiphenyl (Surr)                CAS #: 2051-24-3
15.793  15.792    0.001           38341 0.01703  0.68108                        (R)
-------------------------------------------------------------------------------
```

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: O0821103.D

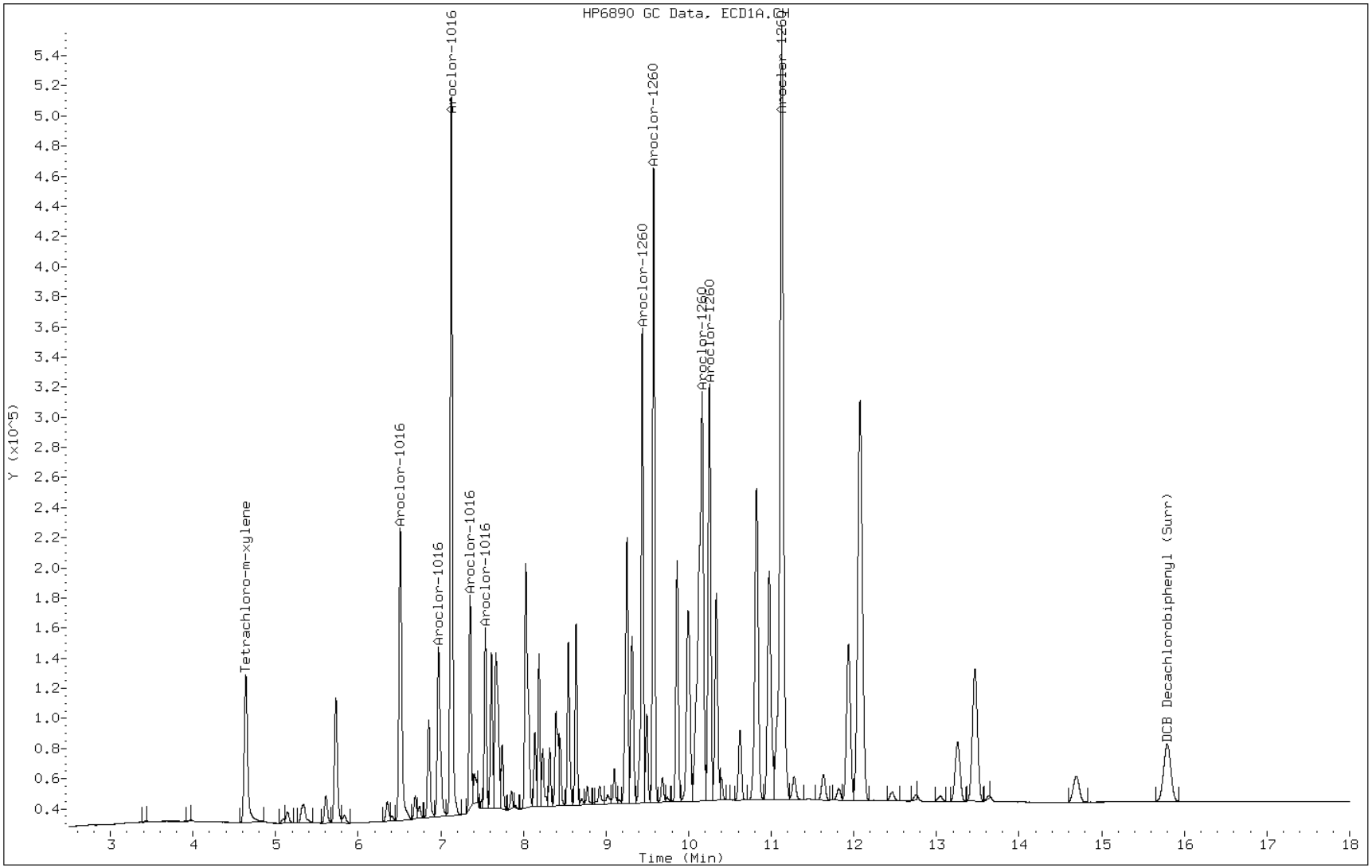
Date: 30-AUG-2012 07:37

Client ID:

Instrument: gc8.i

Sample Info: 08292Aa8082ll.b

Operator: 402360



PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: GC8 Start Date: 06/28/2012 10:23

Analysis Batch Number: 41004 End Date: 07/06/2012 09:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 180-41004/1		06/28/2012 10:23	1	O0620702.D	RTX-50 0.53(mm)
IC 180-41004/2		06/28/2012 10:47	1	O0620703.D	RTX-50 0.53(mm)
IC 180-41004/3		06/28/2012 11:12	1	O0620704.D	RTX-50 0.53(mm)
IC 180-41004/4		06/28/2012 11:37	1	O0620705.D	RTX-50 0.53(mm)
IC 180-41004/5		06/28/2012 12:01	1	O0620706.D	RTX-50 0.53(mm)
IC 180-41004/6		06/28/2012 12:26	1	O0620707.D	RTX-50 0.53(mm)
IC 180-41004/7		06/28/2012 12:50	1	O0620708.D	RTX-50 0.53(mm)
IC 180-41004/8		06/28/2012 13:15	1	O0620709.D	RTX-50 0.53(mm)
IC 180-41004/9		06/28/2012 13:39	1	O0620710.D	RTX-50 0.53(mm)
IC 180-41004/10		06/28/2012 14:04	1	O0620711.D	RTX-50 0.53(mm)
IC 180-41004/11		06/28/2012 14:29	1	O0620712.D	RTX-50 0.53(mm)
IC 180-41004/12		06/28/2012 14:53	1	O0620713.D	RTX-50 0.53(mm)
IC 180-41004/13		06/28/2012 15:18	1	O0620714.D	RTX-50 0.53(mm)
IC 180-41004/14		06/28/2012 15:42	1	O0620715.D	RTX-50 0.53(mm)
IC 180-41004/15		06/28/2012 16:07	1	O0620716.D	RTX-50 0.53(mm)
IC 180-41004/16		06/28/2012 16:31	1	O0620717.D	RTX-50 0.53(mm)
IC 180-41004/17		06/28/2012 16:56	1		RTX-50 0.53(mm)
IC 180-41004/18		06/28/2012 17:21	1		RTX-50 0.53(mm)
IC 180-41004/19		06/28/2012 17:45	1	O0620720.D	RTX-50 0.53(mm)
IC 180-41004/20		06/28/2012 18:10	1	O0620721.D	RTX-50 0.53(mm)
IC 180-41004/21		06/28/2012 18:34	1	O0620722.D	RTX-50 0.53(mm)
ICRT 180-41004/22		06/28/2012 18:59	1	O0620723.D	RTX-50 0.53(mm)
IC 180-41004/23		06/28/2012 19:23	1	O0620724.D	RTX-50 0.53(mm)
IC 180-41004/24		06/28/2012 19:48	1	O0620725.D	RTX-50 0.53(mm)
IC 180-41004/25		06/28/2012 20:13	1	O0620726.D	RTX-50 0.53(mm)
ICV 180-41004/26		06/28/2012 20:37	1		RTX-50 0.53(mm)
ICV 180-41004/27		06/28/2012 21:02	1		RTX-50 0.53(mm)
ICV 180-41004/28		06/28/2012 21:26	1		RTX-50 0.53(mm)
ICV 180-41004/29		06/28/2012 21:51	1		RTX-50 0.53(mm)
ICV 180-41004/30		06/28/2012 22:15	1		RTX-50 0.53(mm)
ICV 180-41004/31		06/28/2012 23:05	1		RTX-50 0.53(mm)
ICV 180-41004/32		06/29/2012 09:21	1		RTX-50 0.53(mm)
CCV 180-41004/33		07/05/2012 14:10	1		RTX-50 0.53(mm)
CCV 180-41004/34		07/05/2012 14:35	1		RTX-50 0.53(mm)
CCV 180-41004/35		07/05/2012 14:59	1		RTX-50 0.53(mm)
CCV 180-41004/36		07/05/2012 15:24	1		RTX-50 0.53(mm)
CCV 180-41004/37		07/05/2012 15:49	1		RTX-50 0.53(mm)
CCV 180-41004/38		07/05/2012 16:13	1		RTX-50 0.53(mm)
CCV 180-41004/39		07/05/2012 16:38	1		RTX-50 0.53(mm)
ZZZZZ		07/05/2012 17:02	5		RTX-50 0.53(mm)
ZZZZZ		07/05/2012 17:27	5		RTX-50 0.53(mm)
ZZZZZ		07/05/2012 17:51	5		RTX-50 0.53(mm)
ZZZZZ		07/05/2012 18:16	5		RTX-50 0.53(mm)
ZZZZZ		07/05/2012 18:41	5		RTX-50 0.53(mm)
ZZZZZ		07/05/2012 19:05	5		RTX-50 0.53(mm)

8082

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: GC8 Start Date: 06/28/2012 10:23

Analysis Batch Number: 41004 End Date: 07/06/2012 09:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		07/05/2012 19:30	5		RTX-50 0.53(mm)
ZZZZZ		07/05/2012 19:54	5		RTX-50 0.53(mm)
ZZZZZ		07/05/2012 20:18	5		RTX-50 0.53(mm)
ZZZZZ		07/05/2012 20:42	5		RTX-50 0.53(mm)
ZZZZZ		07/05/2012 21:07	5		RTX-50 0.53(mm)
ZZZZZ		07/05/2012 21:31	5		RTX-50 0.53(mm)
ZZZZZ		07/05/2012 21:55	5		RTX-50 0.53(mm)
ZZZZZ		07/05/2012 22:19	5		RTX-50 0.53(mm)
CCV 180-41004/54		07/05/2012 23:56	1		RTX-50 0.53(mm)
ZZZZZ		07/06/2012 00:20	5		RTX-50 0.53(mm)
ZZZZZ		07/06/2012 00:45	5		RTX-50 0.53(mm)
ZZZZZ		07/06/2012 01:09	5		RTX-50 0.53(mm)
ZZZZZ		07/06/2012 01:33	5		RTX-50 0.53(mm)
ZZZZZ		07/06/2012 01:58	5		RTX-50 0.53(mm)
ZZZZZ		07/06/2012 02:22	5		RTX-50 0.53(mm)
ZZZZZ		07/06/2012 02:46	5		RTX-50 0.53(mm)
ZZZZZ		07/06/2012 03:35	1		RTX-50 0.53(mm)
ZZZZZ		07/06/2012 03:59	1		RTX-50 0.53(mm)
CCV 180-41004/64		07/06/2012 04:23	1		RTX-50 0.53(mm)
ZZZZZ		07/06/2012 09:10	100		RTX-50 0.53(mm)
CCV 180-41004/66		07/06/2012 09:59	1		RTX-50 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: GC8 Start Date: 08/29/2012 14:01

Analysis Batch Number: 47722 End Date: 08/30/2012 08:02

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 180-47722/1		08/29/2012 14:01	1	O0821060.D	RTX-50 0.53(mm)
CCV 180-47722/2		08/29/2012 14:26	1	O0821061.D	RTX-50 0.53(mm)
CCV 180-47722/3		08/29/2012 14:50	1	O0821062.D	RTX-50 0.53(mm)
CCV 180-47722/4		08/29/2012 15:15	1	O0821063.D	RTX-50 0.53(mm)
CCV 180-47722/5		08/29/2012 15:40	1		RTX-50 0.53(mm)
CCV 180-47722/6		08/29/2012 16:04	1		RTX-50 0.53(mm)
CCV 180-47722/7		08/29/2012 16:29	1	O0821066.D	RTX-50 0.53(mm)
CCVRT 180-47722/8		08/30/2012 01:29	1	O0821088.D	RTX-50 0.53(mm)
180-13537-2	MW-101	08/30/2012 04:45	1	O0821096.D	RTX-50 0.53(mm)
180-13537-3	MW-107	08/30/2012 05:10	1	O0821097.D	RTX-50 0.53(mm)
180-13537-4	MW-113	08/30/2012 05:34	1	O0821098.D	RTX-50 0.53(mm)
180-13537-5	MW-110	08/30/2012 05:59	1	O0821099.D	RTX-50 0.53(mm)
180-13537-6	MW-102	08/30/2012 06:23	1	O0821100.D	RTX-50 0.53(mm)
MB 180-45667/1-A		08/30/2012 06:48	1	O0821101.D	RTX-50 0.53(mm)
LCS 180-45667/4-A		08/30/2012 07:12	1	O0821102.D	RTX-50 0.53(mm)
LCSD 180-45667/5-A		08/30/2012 07:37	1	O0821103.D	RTX-50 0.53(mm)
CCV 180-47722/17		08/30/2012 08:02	1	O0821104.D	RTX-50 0.53(mm)

8082

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Batch Number: 45667 Batch Start Date: 08/20/12 13:55 Batch Analyst: Yushinski, Charles

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	GCMATRIXWORKS 00005	op-p/pcb sur 00006	
MB 180-45667/1		3510C, 8082		6	1000 mL	1.0 mL		25 uL	
LCS 180-45667/4		3510C, 8082		6	1000 mL	1.0 mL	25 uL	25 uL	
LCSD 180-45667/5		3510C, 8082		6	1000 mL	1.0 mL	25 uL	25 uL	
180-13537-D-2	MW-101	3510C, 8082	T	7	1050 mL	1.0 mL		25 uL	
180-13537-G-3	MW-107	3510C, 8082	T	7	1050 mL	1.0 mL		25 uL	
180-13537-F-4	MW-113	3510C, 8082	T	7	1050 mL	1.0 mL		25 uL	
180-13537-H-5	MW-110	3510C, 8082	T	7	1060 mL	1.0 mL		25 uL	
180-13537-G-6	MW-102	3510C, 8082	T	7	1050 mL	1.0 mL		25 uL	

Batch Notes	
Exchange Solvent Lot #	506582
Exchange Solvent Name	Hexane
N-evap #	1
N-evap temperature	21 Celsius
Na2SO4 Lot Number	494082
Oven, Bath or Block Temperature 1	79 Celsius
Prep Solvent Lot #	522082
Prep Solvent Name	Methylene chloride
Prep Solvent Volume Used	180 mL
Person's name who did the prep	CBY
Sufficient volume for MS/MSD?	no
Uncorrected N-evap Temperature	21 Celsius
Uncorrected Temperature	79 Celsius

Basis	Basis Description
T	Total/NA

Method 8151A

Herbicides (GC) by Method 8151A

FORM II
HERBICIDES SURROGATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): RTX-50 ID: 0.53 (mm) GC Column (2): RTX-1701 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	DCPA2 #	DCPA1 #
MW-101	180-13537-2	72	
MW-101	180-13537-2		73
MW-107	180-13537-3	73	
MW-107	180-13537-3		77
MW-113	180-13537-4	71	
MW-113	180-13537-4		71
MW-110	180-13537-5	57	
MW-110	180-13537-5		56
MW-102	180-13537-6	66	
MW-102	180-13537-6		70
	MB 180-45828/1-A	72	
	MB 180-45828/1-A		73
	LCS 180-45828/2-A	77	
	LCS 180-45828/2-A		80
	LCSD 180-45828/3-A	74	
	LCSD 180-45828/3-A		70

	QC LIMITS
DCPA = 2,4-Dichlorophenylacetic acid	32-140

Column to be used to flag recovery values

FORM II 8151A

FORM III
HERBICIDES LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Matrix: Water Level: Low Lab File ID: B0820862.D

Lab ID: LCS 180-45828/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
2,4-D	16.0	10.4	65	32-140	

Column to be used to flag recovery and RPD values

FORM III 8151A

FORM III
HERBICIDES LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A0820862.D

Lab ID: LCS 180-45828/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
2,4,5-T	4.00	2.84	71	32-140	
Silvex (2,4,5-TP)	4.00	3.04	76	32-140	

Column to be used to flag recovery and RPD values

FORM III 8151A

FORM III
HERBICIDES LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Matrix: Water Level: Low Lab File ID: B0820863.D

Lab ID: LCSD 180-45828/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
2,4-D	16.0	12.9	81	22	30	32-140	

Column to be used to flag recovery and RPD values

FORM III 8151A

FORM III
HERBICIDES LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A0820863.D

Lab ID: LCSD 180-45828/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
2,4,5-T	4.00	1.89	47	40	30	32-140	*
Silvex (2,4,5-TP)	4.00	1.95	49	44	30	32-140	*

Column to be used to flag recovery and RPD values

FORM III 8151A

FORM IV
HERBICIDES METHOD BLANK SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: MB 180-45828/1-A

Matrix: Water Date Extracted: 08/21/2012 16:00

Lab File ID:(1) A0820860.D Lab File ID:(2) B0820860.D

Date Analyzed:(1) 08/31/2012 21:55 Date Analyzed:(2) 08/31/2012 21:30

Instrument ID:(1) GC1 Instrument ID:(2) GC1

GC Column:(1) RTX-50 ID: 0.53(mm) GC Column:(2) RTX-1701 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
MW-101	180-13537-2	08/31/2012 19:50	08/31/2012 19:24
MW-107	180-13537-3	08/31/2012 20:15	08/31/2012 19:50
MW-113	180-13537-4	08/31/2012 20:40	08/31/2012 20:15
MW-110	180-13537-5	08/31/2012 21:05	08/31/2012 20:40
MW-102	180-13537-6	08/31/2012 21:30	08/31/2012 21:05
	LCS 180-45828/2-A	08/31/2012 22:44	08/31/2012 22:19
	LCSD 180-45828/3-A	08/31/2012 23:09	08/31/2012 22:44

FORM VIII
HERBICIDES ANALYTICAL SEQUENCE

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Sample No.: CCVRT 180-47174/1 Date Analyzed: 08/30/2012 17:57

Instrument ID: GC1 GC Column: RTX-1701 ID: 0.53(mm)

Lab File ID (Standard): B0820795.D Heated Purge: (Y/N) N

Calibration ID: 6421

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				DCPA		
				RT #		
CONTINUING CALIBRATION SURROGATE				8.63		
UPPER LIMIT				8.66		
LOWER LIMIT				8.60		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 180-47174/1		08/30/2012 17:57	B0820795.D	8.63		
CCV 180-47174/49		08/31/2012 17:14	B0820850.D	8.63		
180-13537-2	MW-101	08/31/2012 19:24	B0820855.D	8.63		
180-13537-3	MW-107	08/31/2012 19:50	B0820856.D	8.63		
180-13537-4	MW-113	08/31/2012 20:15	B0820857.D	8.63		
180-13537-5	MW-110	08/31/2012 20:40	B0820858.D	8.63		
180-13537-6	MW-102	08/31/2012 21:05	B0820859.D	8.63		
MB 180-45828/1-A		08/31/2012 21:30	B0820860.D	8.63		
CCV 180-47174/59		08/31/2012 21:55	B0820861.D	8.63		
LCS 180-45828/2-A		08/31/2012 22:19	B0820862.D	8.63		
LCSD 180-45828/3-A		08/31/2012 22:44	B0820863.D	8.63		

DCPA = 2,4-Dichlorophenylacetic acid

DCPA RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8151A

FORM VIII
HERBICIDES ANALYTICAL SEQUENCE

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Sample No.: CCVRT 180-47167/1 Date Analyzed: 08/30/2012 18:22

Instrument ID: GC1 GC Column: RTX-50 ID: 0.53(mm)

Lab File ID (Standard): A0820795.D Heated Purge: (Y/N) N

Calibration ID: 6411

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				DCPA		
				RT #		
CONTINUING CALIBRATION SURROGATE				8.65		
UPPER LIMIT				8.68		
LOWER LIMIT				8.62		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 180-47167/1		08/30/2012 18:22	A0820795.D	8.65		
CCV 180-47167/50		08/31/2012 17:40	A0820850.D	8.65		
180-13537-2	MW-101	08/31/2012 19:50	A0820855.D	8.66		
180-13537-3	MW-107	08/31/2012 20:15	A0820856.D	8.66		
180-13537-4	MW-113	08/31/2012 20:40	A0820857.D	8.66		
180-13537-5	MW-110	08/31/2012 21:05	A0820858.D	8.66		
180-13537-6	MW-102	08/31/2012 21:30	A0820859.D	8.66		
MB 180-45828/1-A		08/31/2012 21:55	A0820860.D	8.66		
CCV 180-47167/61		08/31/2012 22:19	A0820861.D	8.66		
LCS 180-45828/2-A		08/31/2012 22:44	A0820862.D	8.66		
LCSD 180-45828/3-A		08/31/2012 23:09	A0820863.D	8.65		
CCV 180-47167/72		09/01/2012 03:39	A0820874.D	8.66		

DCPA = 2,4-Dichlorophenylacetic acid

DCPA RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8151A

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 180-45828/2-A

Instrument ID (1): GC1 Instrument ID (2): GC1

Date Analyzed (1): 08/31/2012 22:44 Date Analyzed (2): 08/31/2012 22:19

GC Column (1): RTX-50 ID: 0.53(mm) GC Column (2): RTX-1701 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
2,4-D	1		10.06	10.02	10.08	9.26		11.8
	2		10.11	10.08	10.14	10.4		
Silvex (2,4,5-TP)	1		10.74	10.70	10.76	3.04		8.4
	2		10.88	10.85	10.91	2.79		
2,4,5-T	1		11.29	11.26	11.32	2.84		1.3
	2		11.34	11.30	11.36	2.81		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 180-45828/3-A

Instrument ID (1): GC1 Instrument ID (2): GC1

Date Analyzed (1): 08/31/2012 23:09 Date Analyzed (2): 08/31/2012 22:44

GC Column (1): RTX-50 ID: 0.53(mm) GC Column (2): RTX-1701 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
2,4-D	1		10.06	10.02	10.08	6.67		64.0
	2		10.11	10.08	10.14	12.9		
Silvex (2,4,5-TP)	1		10.74	10.70	10.76	1.95		3.4
	2		10.88	10.85	10.91	2.02		
2,4,5-T	1		11.29	11.26	11.32	1.89		1.8
	2		11.33	11.30	11.36	1.86		

FORM X 8151A

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID: MW-101
Lab Sample ID: 180-13537-2
Matrix: Water
Lab File ID: B0820855.D
Analysis Method: 8151A
Date Collected: 08/16/2012 08:15
Extraction Method: 8151A
Date Extracted: 08/21/2012 16:00
Sample wt/vol: 1060(mL)
Date Analyzed: 08/31/2012 19:24
Con. Extract Vol.: 10.0(mL)
Dilution Factor: 20
Injection Volume: 1(uL)
GC Column: RTX-1701 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 47174
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	ND		3.8	0.43

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	72		32-140

Data File: \\PITSVR06\D\chem\gc1.i\08302B.b\B0820855.D
Report Date: 02-Sep-2012 07:57

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc1.i\08302B.b\B0820855.D
Lab Smp Id: 180-13537-E-2-A Client Smp ID: MW-101
Inj Date : 31-AUG-2012 19:24
Operator : 402331 Inst ID: gc1.i
Smp Info : 08302B.B
Misc Info : 180-13537-E-2-A
Comment   :
Method   : \\PITSVR06\D\chem\gc1.i\08302B.b\Therbb.m
Meth Date : 02-Sep-2012 07:57 oravecj Quant Type: ESTD
Cal Date : 24-AUG-2012 16:21 Cal File: B0820573.D
Als bottle: 26
Dil Factor: 20.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-113

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

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE

1 DALAPON CAS #: 75-99-0

Peaks not detected for Quant. or Qual. signal(s).

$ 2 DCAA CAS #: 19719-28-9

8.625	8.625	0.000	2089717	0.03589	0.03589			(a)

---

3 DICAMBA CAS #: 1918-00-9

Peaks not detected for Quant. or Qual. signal(s).

---

4 MCPP CAS #: 7085-19-0

Peaks not detected for Quant. or Qual. signal(s).

---

5 MCPA CAS #: 94-74-6

Peaks not detected for Quant. or Qual. signal(s).

---

6 DICHLOROPROP CAS #: 120-36-5

Peaks not detected for Quant. or Qual. signal(s).

---

7 2,4-D CAS #: 94-75-7

10.095	10.107	-0.012	28851	0.00060	0.01200			(a)

Data File: \\PITSVR06\D\chem\gc1.i\08302B.b\B0820855.D
Report Date: 02-Sep-2012 07:57

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE

8 PENTACHLOROPHENOL CAS #: 87-86-5

Peaks not detected for Quant. or Qual. signal(s).

---

9 2,4,5-TP(SILVEX) CAS #: 93-72-1

Peaks not detected for Quant. or Qual. signal(s).

---

10 2,4,5-T CAS #: 93-76-5

Peaks not detected for Quant. or Qual. signal(s).

---

11 2,4-DB CAS #: 94-82-6

Peaks not detected for Quant. or Qual. signal(s).

---

12 DINOSEB CAS #: 88-85-7

Peaks not detected for Quant. or Qual. signal(s).

QC Flag Legend

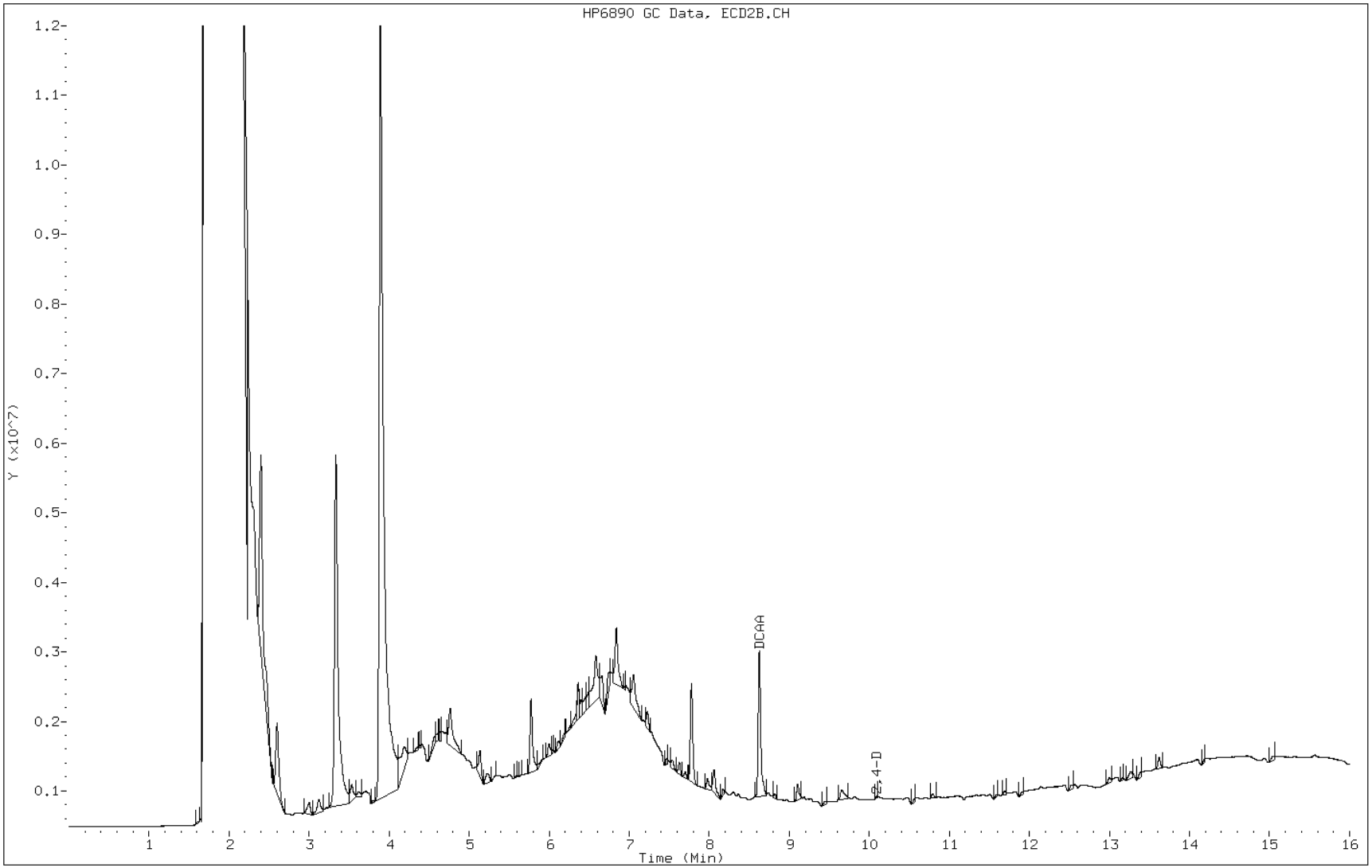
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: B0820855.D

Date: 31-AUG-2012 19:24

Client ID: MW-101 Instrument: gc1.i

Sample Info: 08302B.B Operator: 402331



FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID: MW-101
Lab Sample ID: 180-13537-2
Matrix: Water
Lab File ID: A0820855.D
Analysis Method: 8151A
Date Collected: 08/16/2012 08:15
Extraction Method: 8151A
Date Extracted: 08/21/2012 16:00
Sample wt/vol: 1060(mL)
Date Analyzed: 08/31/2012 19:50
Con. Extract Vol.: 10.0(mL)
Dilution Factor: 20
Injection Volume: 1(uL)
GC Column: RTX-50 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 47167
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
93-76-5	2,4,5-T	ND	*	0.94	0.091
93-72-1	Silvex (2,4,5-TP)	ND	*	0.94	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	73		32-140

Data File: \\PITSVR06\D\chem\gc1.i\08302A.b\A0820855.D
Report Date: 02-Sep-2012 07:36

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc1.i\08302A.b\A0820855.D
Lab Smp Id: 180-13537-E-2-A Client Smp ID: MW-101
Inj Date : 31-AUG-2012 19:50
Operator : 402331 Inst ID: gc1.i
Smp Info : 08302A.B
Misc Info : 180-13537-E-2-A
Comment   :
Method   : \\PITSVR06\D\chem\gc1.i\08302A.b\Therba.m
Meth Date : 02-Sep-2012 07:36 gc1.i Quant Type: ESTD
Cal Date : 24-AUG-2012 16:48 Cal File: A0820573.D
Als bottle: 26
Dil Factor: 20.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-113

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

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE

1 DALAPON CAS #: 75-99-0

Peaks not detected for Quant. or Qual. signal(s).

$ 2 DCAA CAS #: 19719-28-9

8.655	8.651	0.004	1160556	0.03632	0.03632			(a)

---

3 MCPP CAS #: 7085-19-0

Peaks not detected for Quant. or Qual. signal(s).

---

4 DICAMBA CAS #: 1918-00-9

Peaks not detected for Quant. or Qual. signal(s).

---

5 MCPA CAS #: 94-74-6

Peaks not detected for Quant. or Qual. signal(s).

---

6 DICHLOROPROP CAS #: 120-36-5

Peaks not detected for Quant. or Qual. signal(s).

Data File: \\PITSVR06\D\chem\gc1.i\08302A.b\A0820855.D
Report Date: 02-Sep-2012 07:36

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE

7 2,4-D CAS #: 94-75-7

Peaks not detected for Quant. or Qual. signal(s).

---

8 PENTACHLOROPHENOL CAS #: 87-86-5

Peaks not detected for Quant. or Qual. signal(s).

---

9 2,4,5-TP(SILVEX) CAS #: 93-72-1

Peaks not detected for Quant. or Qual. signal(s).

---

10 2,4,5-T CAS #: 93-76-5

Peaks not detected for Quant. or Qual. signal(s).

---

11 DINOSEB CAS #: 88-85-7

Peaks not detected for Quant. or Qual. signal(s).

---

12 2,4-DB CAS #: 94-82-6

Peaks not detected for Quant. or Qual. signal(s).

QC Flag Legend

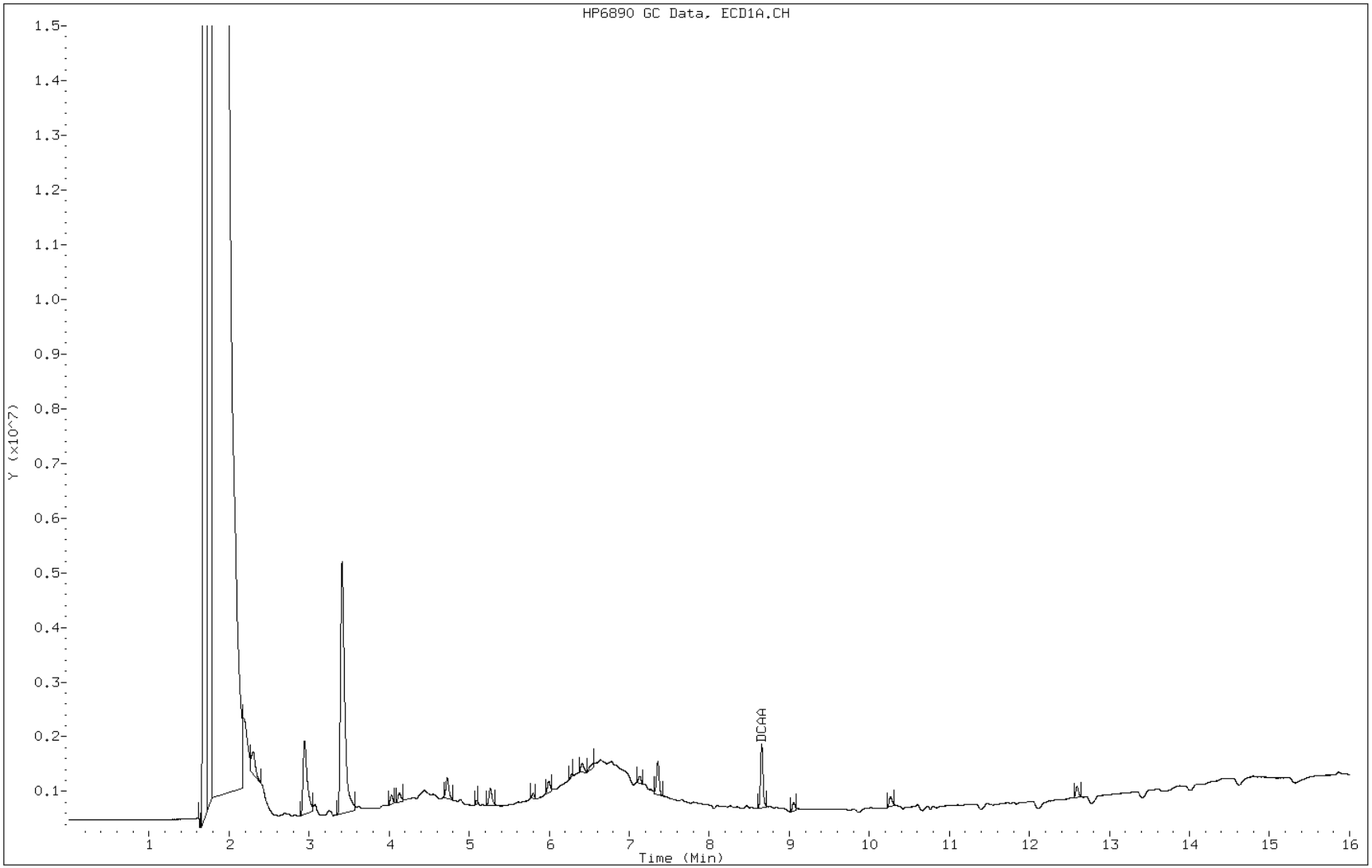
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: A0820855.D

Date: 31-AUG-2012 19:50

Client ID: MW-101 Instrument: gc1.i

Sample Info: 08302A.B Operator: 402331



FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID: MW-107
Lab Sample ID: 180-13537-3
Matrix: Water
Lab File ID: B0820856.D
Analysis Method: 8151A
Date Collected: 08/16/2012 09:00
Extraction Method: 8151A
Date Extracted: 08/21/2012 16:00
Sample wt/vol: 1050(mL)
Date Analyzed: 08/31/2012 19:50
Con. Extract Vol.: 10.0(mL)
Dilution Factor: 20
Injection Volume: 1(uL)
GC Column: RTX-1701 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 47174
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	ND		3.8	0.43

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	73		32-140

Data File: \\PITSVR06\D\chem\gc1.i\08302B.b\B0820856.D
Report Date: 02-Sep-2012 07:57

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc1.i\08302B.b\B0820856.D
Lab Smp Id: 180-13537-H-3-A Client Smp ID: MW-107
Inj Date : 31-AUG-2012 19:50
Operator : 402331 Inst ID: gc1.i
Smp Info : 08302B.B
Misc Info : 180-13537-H-3-A
Comment   :
Method   : \\PITSVR06\D\chem\gc1.i\08302B.b\Therbb.m
Meth Date : 02-Sep-2012 07:57 oravecj Quant Type: ESTD
Cal Date : 24-AUG-2012 16:21 Cal File: B0820573.D
Als bottle: 27
Dil Factor: 20.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-113

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

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE

1 DALAPON CAS #: 75-99-0

Peaks not detected for Quant. or Qual. signal(s).

$ 2 DCAA CAS #: 19719-28-9

8.628	8.625	0.003	2135069	0.03667	0.03666			(a)

---

3 DICAMBA CAS #: 1918-00-9

8.876	8.894	-0.018	68906	0.00027	0.005409			(a)

---

4 MCPP CAS #: 7085-19-0

Peaks not detected for Quant. or Qual. signal(s).

---

5 MCPA CAS #: 94-74-6

Peaks not detected for Quant. or Qual. signal(s).

---

6 DICHLOROPROP CAS #: 120-36-5

Peaks not detected for Quant. or Qual. signal(s).

Data File: \\PITSVR06\D\chem\gc1.i\08302B.b\B0820856.D
Report Date: 02-Sep-2012 07:57

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE

7 2,4-D CAS #: 94-75-7

Peaks not detected for Quant. or Qual. signal(s).

---

8 PENTACHLOROPHENOL CAS #: 87-86-5

Peaks not detected for Quant. or Qual. signal(s).

---

9 2,4,5-TP(SILVEX) CAS #: 93-72-1

Peaks not detected for Quant. or Qual. signal(s).

---

10 2,4,5-T CAS #: 93-76-5

Peaks not detected for Quant. or Qual. signal(s).

---

11 2,4-DB CAS #: 94-82-6

Peaks not detected for Quant. or Qual. signal(s).

---

12 DINOSEB CAS #: 88-85-7

Peaks not detected for Quant. or Qual. signal(s).

QC Flag Legend

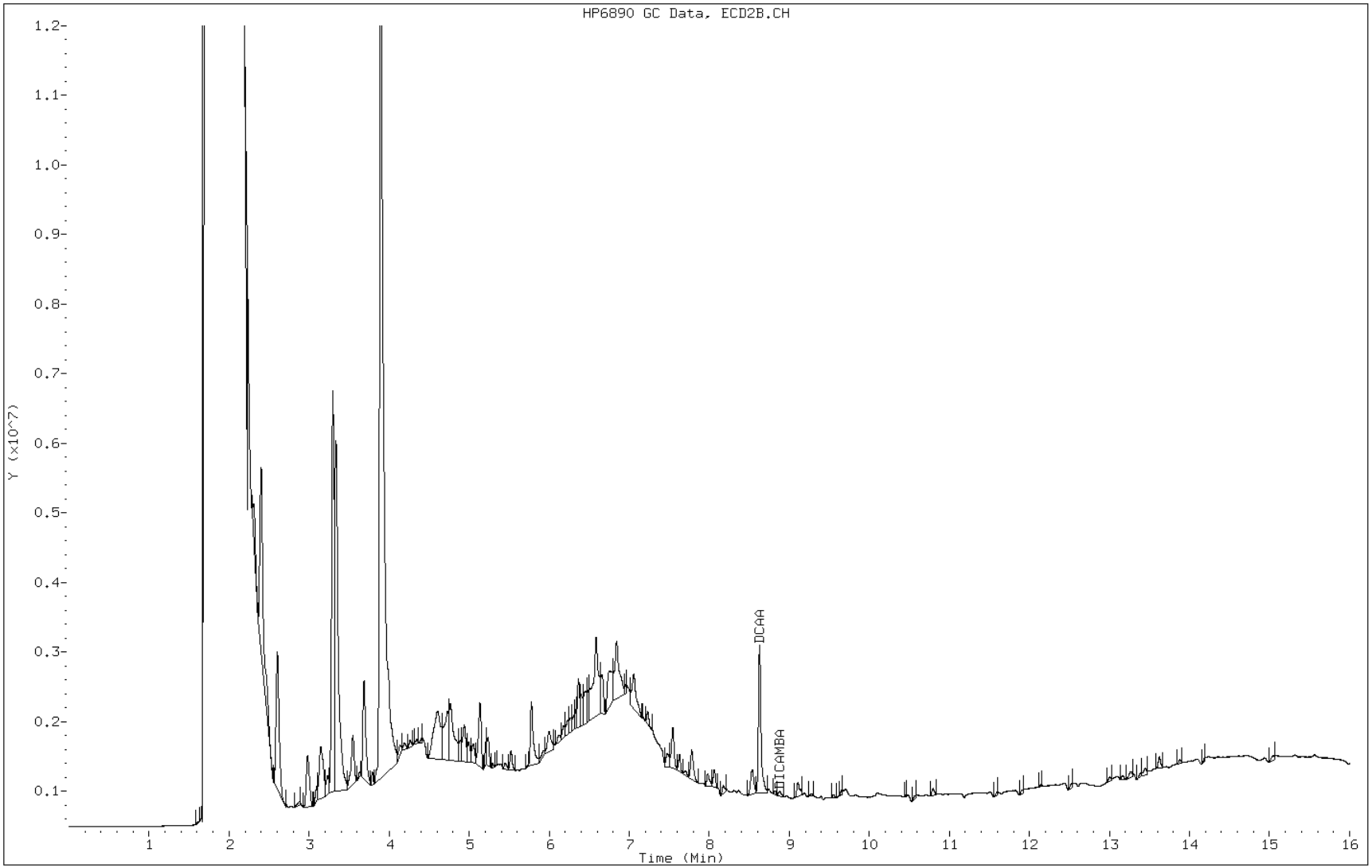
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: B0820856.D

Date: 31-AUG-2012 19:50

Client ID: MW-107 Instrument: gc1.i

Sample Info: 08302B.B Operator: 402331



FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID: MW-107
Lab Sample ID: 180-13537-3
Matrix: Water
Lab File ID: A0820856.D
Analysis Method: 8151A
Date Collected: 08/16/2012 09:00
Extraction Method: 8151A
Date Extracted: 08/21/2012 16:00
Sample wt/vol: 1050(mL)
Date Analyzed: 08/31/2012 20:15
Con. Extract Vol.: 10.0(mL)
Dilution Factor: 20
Injection Volume: 1(uL)
GC Column: RTX-50 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 47167
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
93-76-5	2,4,5-T	ND	*	0.95	0.092
93-72-1	Silvex (2,4,5-TP)	ND	*	0.95	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	77		32-140

Data File: \\PITSVR06\D\chem\gc1.i\08302A.b\A0820856.D
Report Date: 02-Sep-2012 07:36

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc1.i\08302A.b\A0820856.D
Lab Smp Id: 180-13537-H-3-A Client Smp ID: MW-107
Inj Date : 31-AUG-2012 20:15
Operator : 402331 Inst ID: gc1.i
Smp Info : 08302A.B
Misc Info : 180-13537-H-3-A
Comment   :
Method   : \\PITSVR06\D\chem\gc1.i\08302A.b\Therba.m
Meth Date : 02-Sep-2012 07:36 gc1.i Quant Type: ESTD
Cal Date : 24-AUG-2012 16:48 Cal File: A0820573.D
Als bottle: 27
Dil Factor: 20.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-113

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

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE

1 DALAPON CAS #: 75-99-0

Peaks not detected for Quant. or Qual. signal(s).

$ 2 DCAA						CAS #: 19719-28-9		
8.655	8.651	0.004	1223494	0.03829	0.03829			(a)

---

3 MCPP CAS #: 7085-19-0

Peaks not detected for Quant. or Qual. signal(s).

---

4 DICAMBA CAS #: 1918-00-9

Peaks not detected for Quant. or Qual. signal(s).

---

5 MCPA CAS #: 94-74-6

Peaks not detected for Quant. or Qual. signal(s).

---

6 DICHLOROPROP CAS #: 120-36-5

Peaks not detected for Quant. or Qual. signal(s).

Data File: \\PITSVR06\D\chem\gc1.i\08302A.b\A0820856.D
Report Date: 02-Sep-2012 07:36

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE

7 2,4-D CAS #: 94-75-7

Peaks not detected for Quant. or Qual. signal(s).

---

8 PENTACHLOROPHENOL CAS #: 87-86-5

Peaks not detected for Quant. or Qual. signal(s).

---

9 2,4,5-TP(SILVEX) CAS #: 93-72-1

Peaks not detected for Quant. or Qual. signal(s).

---

10 2,4,5-T CAS #: 93-76-5

Peaks not detected for Quant. or Qual. signal(s).

---

11 DINOSEB CAS #: 88-85-7

Peaks not detected for Quant. or Qual. signal(s).

---

12 2,4-DB CAS #: 94-82-6

Peaks not detected for Quant. or Qual. signal(s).

QC Flag Legend

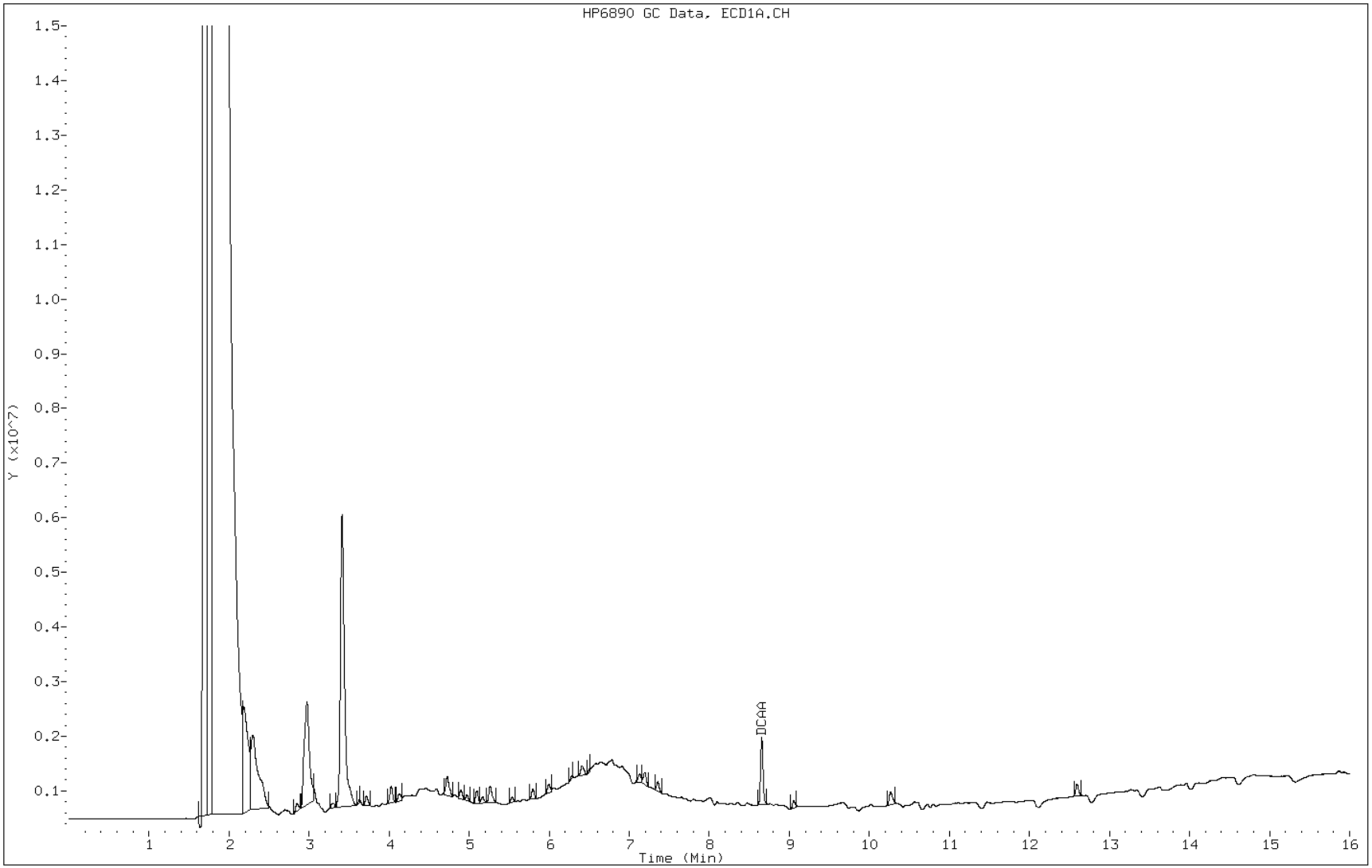
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: A0820856.D

Date: 31-AUG-2012 20:15

Client ID: MW-107 Instrument: gc1.i

Sample Info: 08302A.B Operator: 402331



FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID: MW-113
Lab Sample ID: 180-13537-4
Matrix: Water
Lab File ID: B0820857.D
Analysis Method: 8151A
Date Collected: 08/16/2012 09:30
Extraction Method: 8151A
Date Extracted: 08/21/2012 16:00
Sample wt/vol: 1060(mL)
Date Analyzed: 08/31/2012 20:15
Con. Extract Vol.: 10.0(mL)
Dilution Factor: 20
Injection Volume: 1(uL)
GC Column: RTX-1701 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 47174
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	ND		3.8	0.43

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	71		32-140

Data File: \\PITSVR06\D\chem\gc1.i\08302B.b\B0820857.D
Report Date: 02-Sep-2012 07:57

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc1.i\08302B.b\B0820857.D
Lab Smp Id: 180-13537-B-4-A Client Smp ID: MW-113
Inj Date : 31-AUG-2012 20:15
Operator : 402331 Inst ID: gc1.i
Smp Info : 08302B.B
Misc Info : 180-13537-B-4-A
Comment   :
Method   : \\PITSVR06\D\chem\gc1.i\08302B.b\Therbb.m
Meth Date : 02-Sep-2012 07:57 oravecj Quant Type: ESTD
Cal Date : 24-AUG-2012 16:21 Cal File: B0820573.D
Als bottle: 28
Dil Factor: 20.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-113

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

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE

1 DALAPON CAS #: 75-99-0

Peaks not detected for Quant. or Qual. signal(s).

$ 2 DCAA						CAS #: 19719-28-9		
8.628	8.625	0.003	2055205	0.03529	0.03529			(a)

---

3 DICAMBA						CAS #: 1918-00-9		
8.875	8.894	-0.019	29813	1e-004	0.002340			(a)

---

4 MCPP CAS #: 7085-19-0

Peaks not detected for Quant. or Qual. signal(s).

---

5 MCPA CAS #: 94-74-6

Peaks not detected for Quant. or Qual. signal(s).

---

6 DICHLOROPROP CAS #: 120-36-5

Peaks not detected for Quant. or Qual. signal(s).

---

7 2,4-D						CAS #: 94-75-7		
10.098	10.107	-0.009	28575	6e-004	0.01188			(a)

Data File: \\PITSVR06\D\chem\gc1.i\08302B.b\B0820857.D
Report Date: 02-Sep-2012 07:57

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE

8 PENTACHLOROPHENOL CAS #: 87-86-5

Peaks not detected for Quant. or Qual. signal(s).

---

9 2,4,5-TP(SILVEX) CAS #: 93-72-1

Peaks not detected for Quant. or Qual. signal(s).

---

10 2,4,5-T CAS #: 93-76-5

Peaks not detected for Quant. or Qual. signal(s).

---

11 2,4-DB CAS #: 94-82-6

Peaks not detected for Quant. or Qual. signal(s).

---

12 DINOSEB CAS #: 88-85-7

Peaks not detected for Quant. or Qual. signal(s).

QC Flag Legend

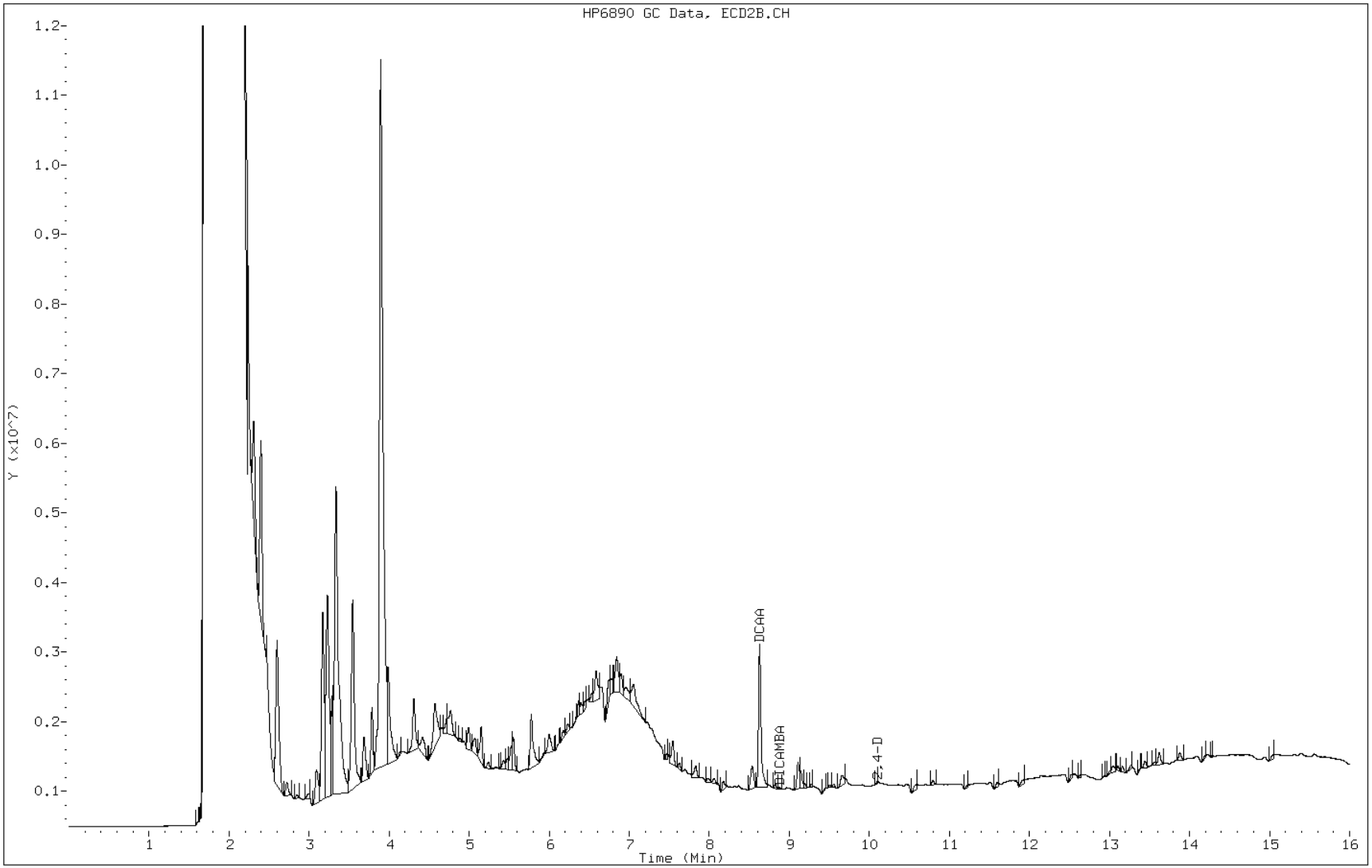
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: B0820857.D

Date: 31-AUG-2012 20:15

Client ID: MW-113 Instrument: gc1.i

Sample Info: 08302B.B Operator: 402331



FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID: MW-113
Lab Sample ID: 180-13537-4
Matrix: Water
Lab File ID: A0820857.D
Analysis Method: 8151A
Date Collected: 08/16/2012 09:30
Extraction Method: 8151A
Date Extracted: 08/21/2012 16:00
Sample wt/vol: 1060(mL)
Date Analyzed: 08/31/2012 20:40
Con. Extract Vol.: 10.0(mL)
Dilution Factor: 20
Injection Volume: 1(uL)
GC Column: RTX-50 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 47167
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
93-76-5	2,4,5-T	ND	*	0.94	0.091
93-72-1	Silvex (2,4,5-TP)	ND	*	0.94	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	71		32-140

Data File: \\PITSVR06\D\chem\gc1.i\08302A.b\A0820857.D
Report Date: 02-Sep-2012 07:36

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc1.i\08302A.b\A0820857.D
Lab Smp Id: 180-13537-B-4-A Client Smp ID: MW-113
Inj Date : 31-AUG-2012 20:40
Operator : 402331 Inst ID: gc1.i
Smp Info : 08302A.B
Misc Info : 180-13537-B-4-A
Comment   :
Method   : \\PITSVR06\D\chem\gc1.i\08302A.b\Therba.m
Meth Date : 02-Sep-2012 07:36 gc1.i Quant Type: ESTD
Cal Date : 24-AUG-2012 16:48 Cal File: A0820573.D
Als bottle: 28
Dil Factor: 20.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-113

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

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE

1 DALAPON CAS #: 75-99-0

Peaks not detected for Quant. or Qual. signal(s).

$ 2 DCAA CAS #: 19719-28-9

8.656	8.651	0.005	1136595	0.03557	0.03557			(a)

---

3 MCPP CAS #: 7085-19-0

Peaks not detected for Quant. or Qual. signal(s).

---

4 DICAMBA CAS #: 1918-00-9

Peaks not detected for Quant. or Qual. signal(s).

---

5 MCPA CAS #: 94-74-6

Peaks not detected for Quant. or Qual. signal(s).

---

6 DICHLOROPROP CAS #: 120-36-5

Peaks not detected for Quant. or Qual. signal(s).

Data File: \\PITSVR06\D\chem\gc1.i\08302A.b\A0820857.D
Report Date: 02-Sep-2012 07:36

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE

7 2,4-D CAS #: 94-75-7

Peaks not detected for Quant. or Qual. signal(s).

---

8 PENTACHLOROPHENOL CAS #: 87-86-5

Peaks not detected for Quant. or Qual. signal(s).

---

9 2,4,5-TP(SILVEX) CAS #: 93-72-1

Peaks not detected for Quant. or Qual. signal(s).

---

10 2,4,5-T CAS #: 93-76-5

Peaks not detected for Quant. or Qual. signal(s).

---

11 DINOSEB CAS #: 88-85-7

Peaks not detected for Quant. or Qual. signal(s).

---

12 2,4-DB CAS #: 94-82-6

Peaks not detected for Quant. or Qual. signal(s).

QC Flag Legend

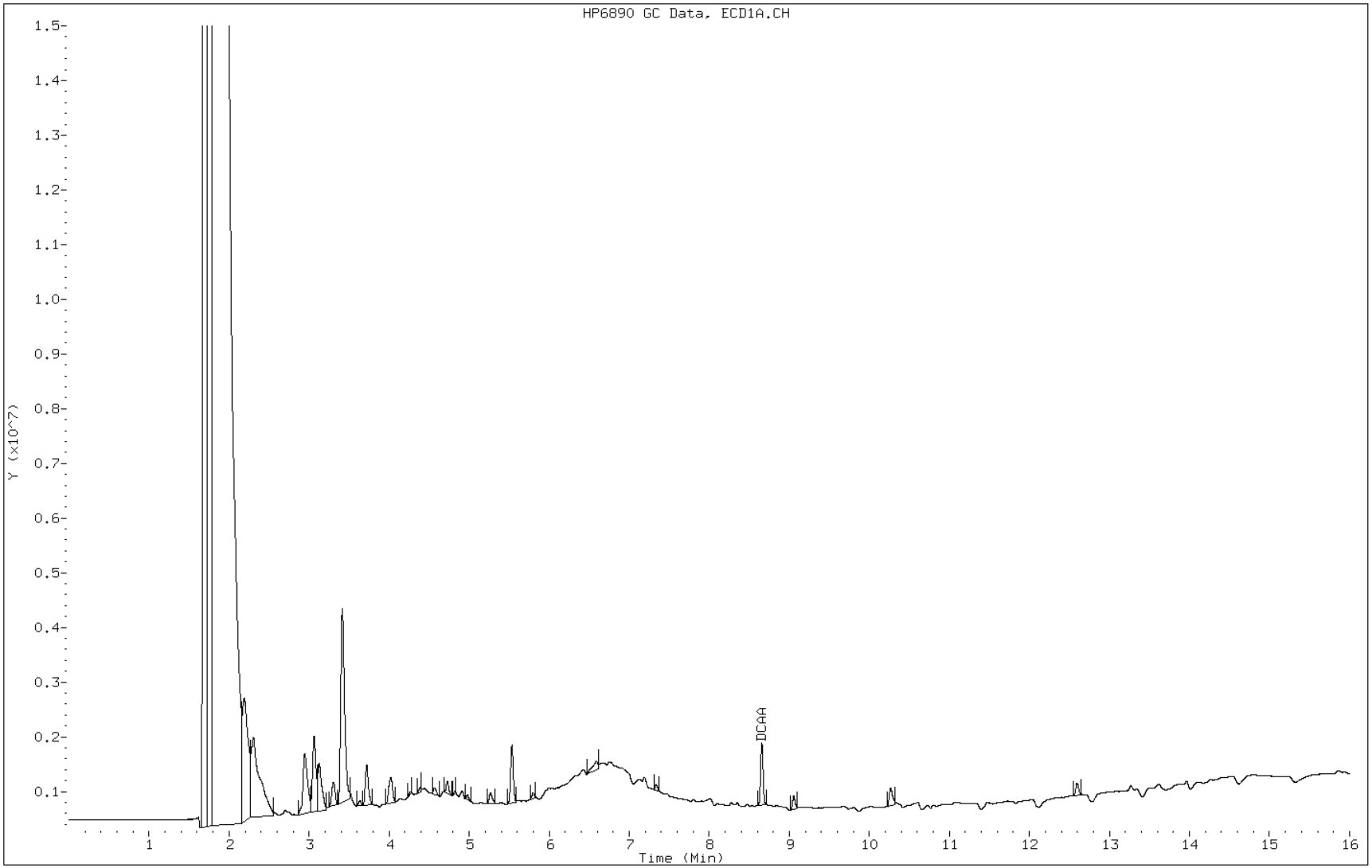
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: A0820857.D

Date: 31-AUG-2012 20:40

Client ID: MW-113 Instrument: gc1.i

Sample Info: 08302A.B Operator: 402331



FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID: MW-110
Lab Sample ID: 180-13537-5
Matrix: Water
Lab File ID: B0820858.D
Analysis Method: 8151A
Date Collected: 08/16/2012 11:40
Extraction Method: 8151A
Date Extracted: 08/21/2012 16:00
Sample wt/vol: 1060(mL)
Date Analyzed: 08/31/2012 20:40
Con. Extract Vol.: 10.0(mL)
Dilution Factor: 20
Injection Volume: 1(uL)
GC Column: RTX-1701 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 47174
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	ND		3.8	0.43

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	57		32-140

Data File: \\PITSVR06\D\chem\gc1.i\08302B.b\B0820858.D
Report Date: 02-Sep-2012 07:57

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc1.i\08302B.b\B0820858.D
Lab Smp Id: 180-13537-D-5-A Client Smp ID: MW-110
Inj Date : 31-AUG-2012 20:40
Operator : 402331 Inst ID: gc1.i
Smp Info : 08302B.B
Misc Info : 180-13537-D-5-A
Comment   :
Method   : \\PITSVR06\D\chem\gc1.i\08302B.b\Therbb.m
Meth Date : 02-Sep-2012 07:57 oravecj Quant Type: ESTD
Cal Date : 24-AUG-2012 16:21 Cal File: B0820573.D
Als bottle: 29
Dil Factor: 20.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-113

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

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE

1 DALAPON CAS #: 75-99-0

Peaks not detected for Quant. or Qual. signal(s).

$ 2 DCAA CAS #: 19719-28-9

8.626	8.625	0.001	1660306	0.02851	0.02851			(a)

---

3 DICAMBA CAS #: 1918-00-9

Peaks not detected for Quant. or Qual. signal(s).

---

4 MCPP CAS #: 7085-19-0

Peaks not detected for Quant. or Qual. signal(s).

---

5 MCPA CAS #: 94-74-6

Peaks not detected for Quant. or Qual. signal(s).

---

6 DICHLOROPROP CAS #: 120-36-5

Peaks not detected for Quant. or Qual. signal(s).

---

7 2,4-D CAS #: 94-75-7

10.099	10.107	-0.008	45996	1e-003	0.01912			(a)

Data File: \\PITSVR06\D\chem\gc1.i\08302B.b\B0820858.D
Report Date: 02-Sep-2012 07:57

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE

8 PENTACHLOROPHENOL CAS #: 87-86-5

Peaks not detected for Quant. or Qual. signal(s).

---

9 2,4,5-TP(SILVEX) CAS #: 93-72-1

Peaks not detected for Quant. or Qual. signal(s).

---

10 2,4,5-T CAS #: 93-76-5

Peaks not detected for Quant. or Qual. signal(s).

---

11 2,4-DB CAS #: 94-82-6

Peaks not detected for Quant. or Qual. signal(s).

---

12 DINOSEB CAS #: 88-85-7

Peaks not detected for Quant. or Qual. signal(s).

QC Flag Legend

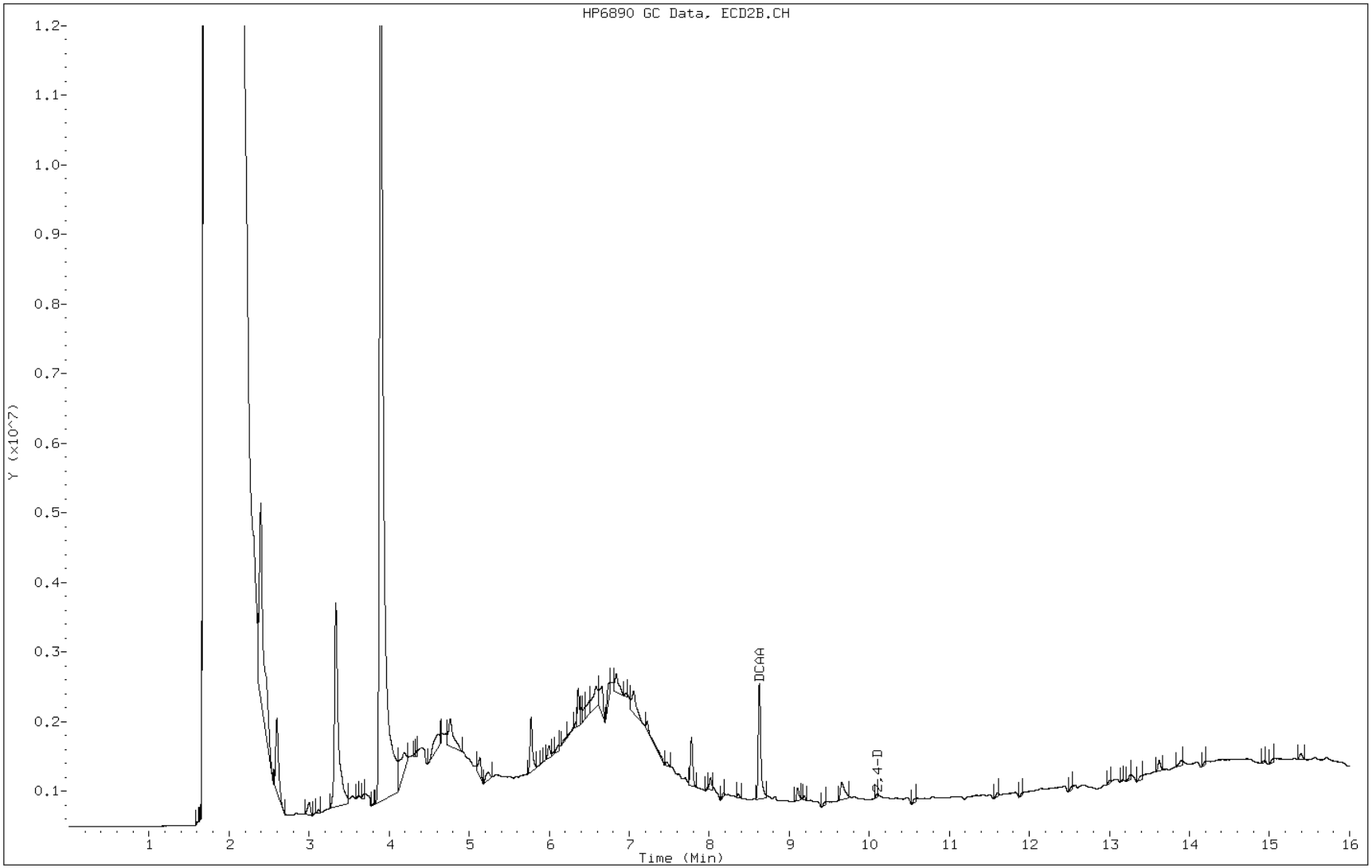
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: B0820858.D

Date: 31-AUG-2012 20:40

Client ID: MW-110 Instrument: gc1.i

Sample Info: 08302B.B Operator: 402331



FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID: MW-110
Lab Sample ID: 180-13537-5
Matrix: Water
Lab File ID: A0820858.D
Analysis Method: 8151A
Date Collected: 08/16/2012 11:40
Extraction Method: 8151A
Date Extracted: 08/21/2012 16:00
Sample wt/vol: 1060(mL)
Date Analyzed: 08/31/2012 21:05
Con. Extract Vol.: 10.0(mL)
Dilution Factor: 20
Injection Volume: 1(uL)
GC Column: RTX-50 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 47167
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
93-76-5	2,4,5-T	ND	*	0.94	0.091
93-72-1	Silvex (2,4,5-TP)	ND	*	0.94	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	56		32-140

Data File: \\PITSVR06\D\chem\gc1.i\08302A.b\A0820858.D
Report Date: 02-Sep-2012 07:36

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc1.i\08302A.b\A0820858.D
Lab Smp Id: 180-13537-D-5-A Client Smp ID: MW-110
Inj Date : 31-AUG-2012 21:05
Operator : 402331 Inst ID: gc1.i
Smp Info : 08302A.B
Misc Info : 180-13537-D-5-A
Comment   :
Method   : \\PITSVR06\D\chem\gc1.i\08302A.b\Therba.m
Meth Date : 02-Sep-2012 07:36 gc1.i Quant Type: ESTD
Cal Date : 24-AUG-2012 16:48 Cal File: A0820573.D
Als bottle: 29
Dil Factor: 20.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-113

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

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE

1 DALAPON CAS #: 75-99-0

Peaks not detected for Quant. or Qual. signal(s).

$ 2 DCAA					CAS #: 19719-28-9			
8.655	8.651	0.004	894639	0.02800	0.02800			(a)

---

3 MCPP CAS #: 7085-19-0

Peaks not detected for Quant. or Qual. signal(s).

---

4 DICAMBA CAS #: 1918-00-9

Peaks not detected for Quant. or Qual. signal(s).

---

5 MCPA CAS #: 94-74-6

Peaks not detected for Quant. or Qual. signal(s).

---

6 DICHLOROPROP CAS #: 120-36-5

Peaks not detected for Quant. or Qual. signal(s).

Data File: \\PITSVR06\D\chem\gc1.i\08302A.b\A0820858.D
Report Date: 02-Sep-2012 07:36

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE

7 2,4-D CAS #: 94-75-7

Peaks not detected for Quant. or Qual. signal(s).

---

8 PENTACHLOROPHENOL CAS #: 87-86-5

Peaks not detected for Quant. or Qual. signal(s).

---

9 2,4,5-TP(SILVEX) CAS #: 93-72-1

Peaks not detected for Quant. or Qual. signal(s).

---

10 2,4,5-T CAS #: 93-76-5

Peaks not detected for Quant. or Qual. signal(s).

---

11 DINOSEB CAS #: 88-85-7

Peaks not detected for Quant. or Qual. signal(s).

---

12 2,4-DB CAS #: 94-82-6

Peaks not detected for Quant. or Qual. signal(s).

QC Flag Legend

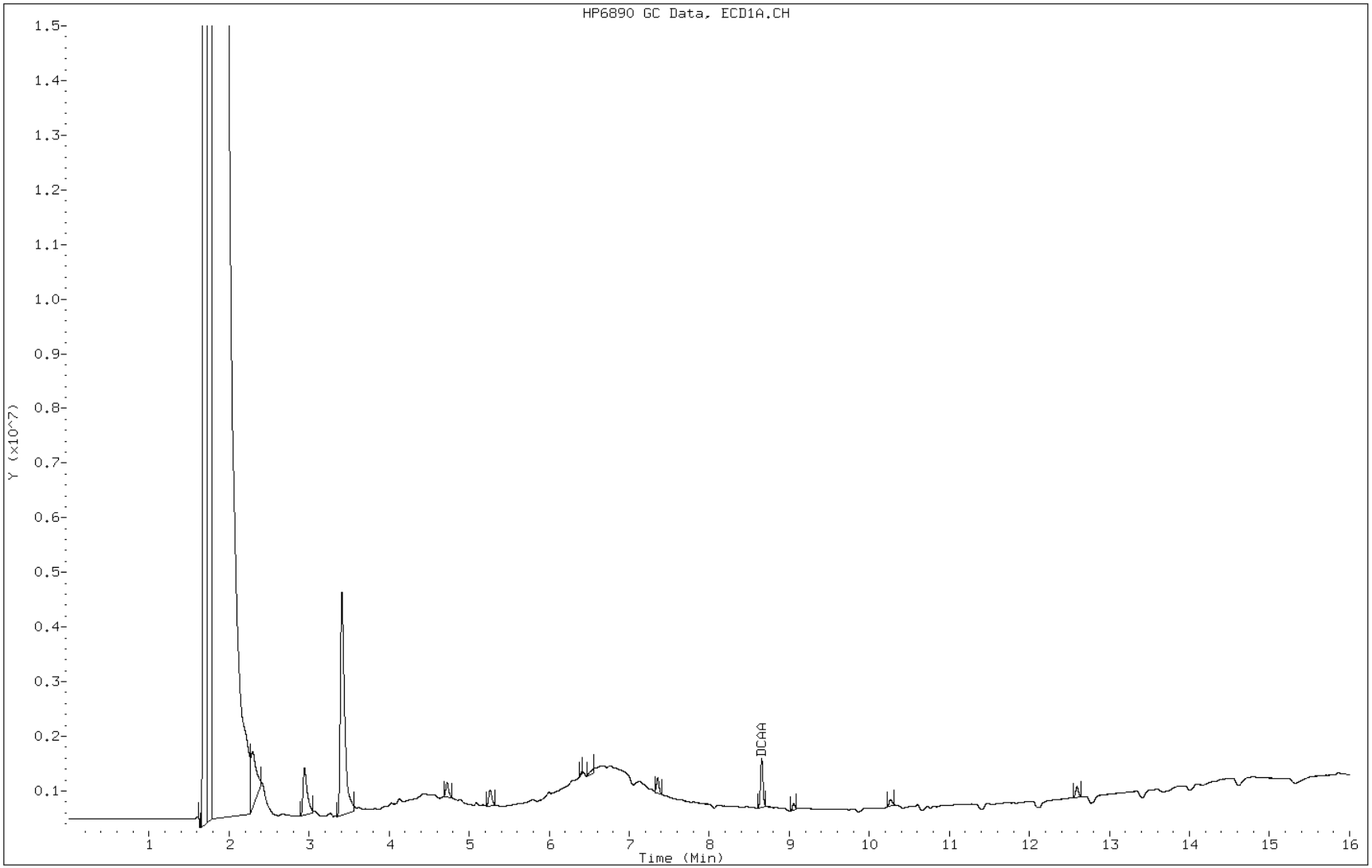
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: A0820858.D

Date: 31-AUG-2012 21:05

Client ID: MW-110 Instrument: gc1.i

Sample Info: 08302A.B Operator: 402331



FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID: MW-102
Lab Sample ID: 180-13537-6
Matrix: Water
Lab File ID: B0820859.D
Analysis Method: 8151A
Date Collected: 08/16/2012 12:00
Extraction Method: 8151A
Date Extracted: 08/21/2012 16:00
Sample wt/vol: 1050(mL)
Date Analyzed: 08/31/2012 21:05
Con. Extract Vol.: 10.0(mL)
Dilution Factor: 20
Injection Volume: 1(uL)
GC Column: RTX-1701 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 47174
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	ND		3.8	0.43

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	66		32-140

Data File: \\PITSVR06\D\chem\gc1.i\08302B.b\B0820859.D
Report Date: 02-Sep-2012 07:57

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc1.i\08302B.b\B0820859.D
Lab Smp Id: 180-13537-B-6-A Client Smp ID: MW-102
Inj Date : 31-AUG-2012 21:05
Operator : 402331 Inst ID: gc1.i
Smp Info : 08302B.B
Misc Info : 180-13537-B-6-A
Comment   :
Method   : \\PITSVR06\D\chem\gc1.i\08302B.b\Therbb.m
Meth Date : 02-Sep-2012 07:57 oravecj Quant Type: ESTD
Cal Date : 24-AUG-2012 16:21 Cal File: B0820573.D
Als bottle: 30
Dil Factor: 20.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-113

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

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE

1 DALAPON CAS #: 75-99-0

Peaks not detected for Quant. or Qual. signal(s).

$ 2 DCAA CAS #: 19719-28-9

8.629	8.625	0.004	1907225	0.03275	0.03275			(a)

---

3 DICAMBA CAS #: 1918-00-9

Peaks not detected for Quant. or Qual. signal(s).

---

4 MCPP CAS #: 7085-19-0

Peaks not detected for Quant. or Qual. signal(s).

---

5 MCPA CAS #: 94-74-6

Peaks not detected for Quant. or Qual. signal(s).

---

6 DICHLOROPROP CAS #: 120-36-5

Peaks not detected for Quant. or Qual. signal(s).

---

7 2,4-D CAS #: 94-75-7

10.098	10.107	-0.009	32463	7e-004	0.01350			(a)

Data File: \\PITSVR06\D\chem\gc1.i\08302B.b\B0820859.D
Report Date: 02-Sep-2012 07:57

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE

8 PENTACHLOROPHENOL CAS #: 87-86-5

Peaks not detected for Quant. or Qual. signal(s).

---

9 2,4,5-TP(SILVEX) CAS #: 93-72-1

Peaks not detected for Quant. or Qual. signal(s).

---

10 2,4,5-T CAS #: 93-76-5

Peaks not detected for Quant. or Qual. signal(s).

---

11 2,4-DB CAS #: 94-82-6

Peaks not detected for Quant. or Qual. signal(s).

---

12 DINOSEB CAS #: 88-85-7

Peaks not detected for Quant. or Qual. signal(s).

QC Flag Legend

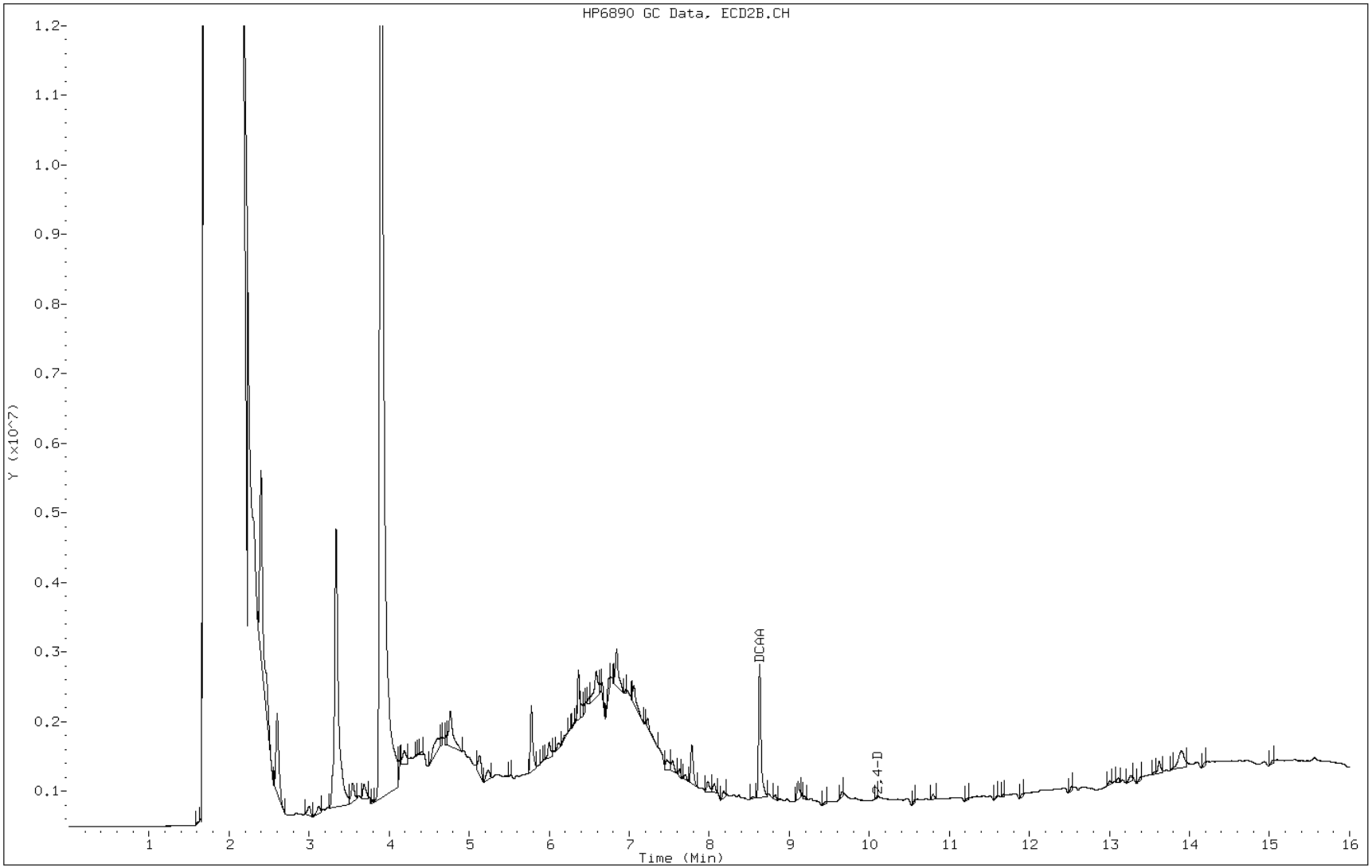
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: B0820859.D

Date: 31-AUG-2012 21:05

Client ID: MW-102 Instrument: gc1.i

Sample Info: 08302B.B Operator: 402331



FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID: MW-102
Lab Sample ID: 180-13537-6
Matrix: Water
Lab File ID: A0820859.D
Analysis Method: 8151A
Date Collected: 08/16/2012 12:00
Extraction Method: 8151A
Date Extracted: 08/21/2012 16:00
Sample wt/vol: 1050(mL)
Date Analyzed: 08/31/2012 21:30
Con. Extract Vol.: 10.0(mL)
Dilution Factor: 20
Injection Volume: 1(uL)
GC Column: RTX-50 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 47167
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
93-76-5	2,4,5-T	ND	*	0.95	0.092
93-72-1	Silvex (2,4,5-TP)	ND	*	0.95	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	70		32-140

Data File: \\PITSVR06\D\chem\gc1.i\08302A.b\A0820859.D
Report Date: 02-Sep-2012 07:36

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc1.i\08302A.b\A0820859.D
Lab Smp Id: 180-13537-B-6-A Client Smp ID: MW-102
Inj Date : 31-AUG-2012 21:30
Operator : 402331 Inst ID: gc1.i
Smp Info : 08302A.B
Misc Info : 180-13537-B-6-A
Comment   :
Method   : \\PITSVR06\D\chem\gc1.i\08302A.b\Therba.m
Meth Date : 02-Sep-2012 07:36 gc1.i Quant Type: ESTD
Cal Date : 24-AUG-2012 16:48 Cal File: A0820573.D
Als bottle: 30
Dil Factor: 20.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-113

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

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE

1 DALAPON CAS #: 75-99-0

Peaks not detected for Quant. or Qual. signal(s).

$ 2 DCAA CAS #: 19719-28-9

8.655	8.651	0.004	1119620	0.03504	0.03504			(a)

---

3 MCPP CAS #: 7085-19-0

Peaks not detected for Quant. or Qual. signal(s).

---

4 DICAMBA CAS #: 1918-00-9

Peaks not detected for Quant. or Qual. signal(s).

---

5 MCPA CAS #: 94-74-6

Peaks not detected for Quant. or Qual. signal(s).

---

6 DICHLOROPROP CAS #: 120-36-5

Peaks not detected for Quant. or Qual. signal(s).

Data File: \\PITSVR06\D\chem\gc1.i\08302A.b\A0820859.D
Report Date: 02-Sep-2012 07:36

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE

7 2,4-D CAS #: 94-75-7

Peaks not detected for Quant. or Qual. signal(s).

---

8 PENTACHLOROPHENOL CAS #: 87-86-5

Peaks not detected for Quant. or Qual. signal(s).

---

9 2,4,5-TP(SILVEX) CAS #: 93-72-1

Peaks not detected for Quant. or Qual. signal(s).

---

10 2,4,5-T CAS #: 93-76-5

Peaks not detected for Quant. or Qual. signal(s).

---

11 DINOSEB CAS #: 88-85-7

Peaks not detected for Quant. or Qual. signal(s).

---

12 2,4-DB CAS #: 94-82-6

Peaks not detected for Quant. or Qual. signal(s).

QC Flag Legend

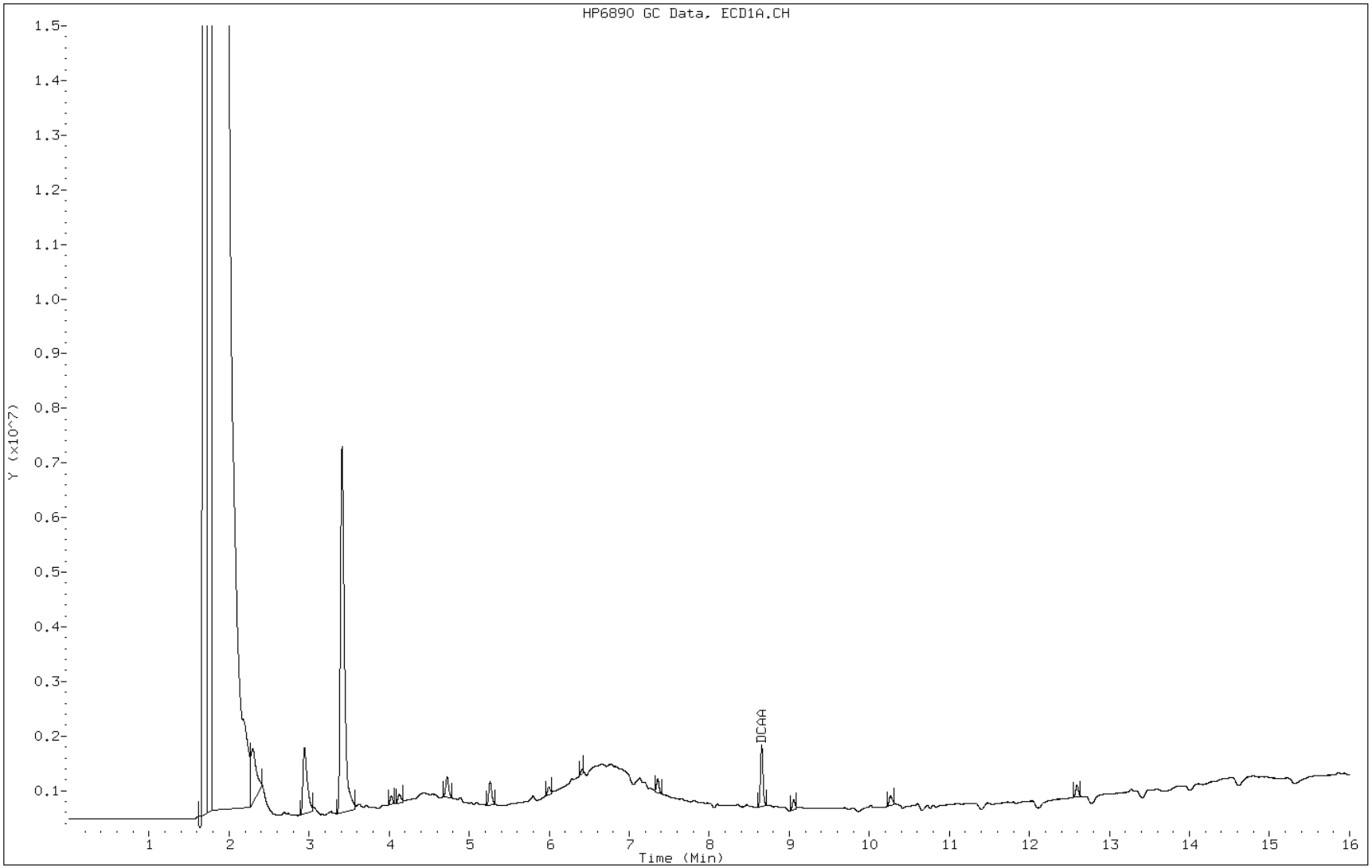
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: A0820859.D

Date: 31-AUG-2012 21:30

Client ID: MW-102 Instrument: gc1.i

Sample Info: 08302A.B Operator: 402331



FORM VI
HERBICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 46371

SDG No.:

Instrument ID: GC1 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/24/2012 14:40 Calibration End Date: 08/24/2012 16:21 Calibration ID: 6421

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-46371/1	B0820569.D
Level 2	IC 180-46371/2	B0820570.D
Level 3	ICRT 180-46371/3	B0820571.D
Level 4	IC 180-46371/4	B0820572.D
Level 5	IC 180-46371/5	B0820573.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Dalapon	2.770	2.772	2.771	2.772	2.767						2.741 - 2.801	2.770
Dicamba	8.902	8.900	8.899	8.899	8.900						8.869 - 8.929	8.900
MCPP	9.048	9.047	9.045	9.045	9.046						9.015 - 9.075	9.046
MCPA	9.356	9.353	9.351	9.351	9.352						9.321 - 9.381	9.352
Dichlorprop	9.720	9.718	9.717	9.717	9.717						9.687 - 9.747	9.718
2,4-D	10.118	10.115	10.113	10.112	10.112						10.083 - 10.143	10.114
Pentachlorophenol	10.359	10.358	10.357	10.356	10.357						10.327 - 10.387	10.357
Silvex (2,4,5-TP)	10.888	10.887	10.884	10.884	10.885						10.854 - 10.914	10.886
2,4,5-T	11.347	11.343	11.338	11.337	11.337						11.308 - 11.368	11.341
2,4-DB	11.784	11.780	11.770	11.771	11.769						11.740 - 11.800	11.775
Dinoseb	12.415	12.415	12.413	12.412	12.413						12.383 - 12.443	12.414
2,4-Dichlorophenylacetic acid	8.635	8.633	8.631	8.630	8.631						8.601 - 8.661	8.632

FORM VI
HERBICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 46371

SDG No.:

Instrument ID: GC1 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/24/2012 14:40 Calibration End Date: 08/24/2012 16:21 Calibration ID: 6421

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-46371/1	B0820569.D
Level 2	IC 180-46371/2	B0820570.D
Level 3	ICRT 180-46371/3	B0820571.D
Level 4	IC 180-46371/4	B0820572.D
Level 5	IC 180-46371/5	B0820573.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
Dalapon	81408200 71005719	76030800	78212100	70095488	Ave		75350461.3				6.4		20.0			
Dicamba	256210100 246564288	259425500	262007425	249726950	Ave		254786853				2.6		20.0			
MCPP	164935 221788	193636	215621	214637	Ave		202123.219				11.6		20.0			
MCPA	255725 283509	273359	290337	277715	Ave		276128.988				4.7		20.0			
Dichlorprop	57947850 55588025	58502525	60990950	56330825	Ave		57872035.0				3.6		20.0			
2,4-D	41262200 52010525	44917825	51562675	50743144	Ave		48099273.8				9.9		20.0			
Pentachlorophenol	877836000 925739200	906900000	965013700	930564100	Ave		921210600				3.5		20.0			
Silvex (2,4,5-TP)	261255600 299452888	274424200	318609200	295573250	Ave		289863028				7.7		20.0			
2,4,5-T	138269800 190619313	151583200	197395750	182804625	Ave		172134538				15.0		20.0			
2,4-DB	48424650 68475281	56003525	69205263	65594325	Ave		61540608.8				14.7		20.0			
Dinoseb	130593000 129250104	132673000	147251917	127623333	Ave		133478271				5.9		20.0			
2,4-Dichlorophenylacetic acid	59753200 54726569	60203775	60116838	56353769	Ave		58230830.0				4.3		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
HERBICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 46371

SDG No.:

Instrument ID: GC1 GC Column: RTX-1701 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/24/2012 14:40 Calibration End Date: 08/24/2012 16:21 Calibration ID: 6421

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-46371/1	B0820569.D
Level 2	IC 180-46371/2	B0820570.D
Level 3	ICRT 180-46371/3	B0820571.D
Level 4	IC 180-46371/4	B0820572.D
Level 5	IC 180-46371/5	B0820573.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Dalapon	Ave	814082	1520616	3128484	5607639	11360915	0.0100	0.0200	0.0400	0.0800	0.160
Dicamba	Ave	2562101	5188510	10480297	19978156	39450286	0.0100	0.0200	0.0400	0.0800	0.160
MCPP	Ave	329869	774543	1724965	3434198	7097211	2.00	4.00	8.00	16.0	32.0
MCPA	Ave	511450	1093436	2322693	4443438	9072302	2.00	4.00	8.00	16.0	32.0
Dichlorprop	Ave	1158957	2340101	4879276	9012932	17788168	0.0200	0.0400	0.0800	0.160	0.320
2,4-D	Ave	825244	1796713	4125014	8118903	16643368	0.0200	0.0400	0.0800	0.160	0.320
Pentachlorophenol	Ave	2194590	4534500	9650137	18611282	37029568	0.00250	0.00500	0.0100	0.0200	0.0400
Silvex (2,4,5-TP)	Ave	1306278	2744242	6372184	11822930	23956231	0.00500	0.0100	0.0200	0.0400	0.0800
2,4,5-T	Ave	691349	1515832	3947915	7312185	15249545	0.00500	0.0100	0.0200	0.0400	0.0800
2,4-DB	Ave	968493	2240141	5536421	10495092	21912090	0.0200	0.0400	0.0800	0.160	0.320
Dinoseb	Ave	391779	796038	1767023	3062960	6204005	0.00300	0.00600	0.0120	0.0240	0.0480
2,4-Dichlorophenylacetic acid	Ave	1195064	2408151	4809347	9016603	17512502	0.0200	0.0400	0.0800	0.160	0.320

Curve Type Legend:

Ave = Average by Height

Data File: \\pitsvr06\d\chem\gc1.i\08242B.b\B0820569.D
Report Date: 25-Aug-2012 11:29

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc1.i\08242B.b\B0820569.D
Lab Smp Id: IC 358303
Inj Date : 24-AUG-2012 14:40
Operator : 01797 Inst ID: gc1.i
Smp Info : 08242B.B
Misc Info : IC 358303
Comment :
Method : \\pitsvr06\d\chem\gc1.i\08242B.b\Therbb.m
Meth Date : 25-Aug-2012 11:29 eppinged Quant Type: ESTD
Cal Date : 24-AUG-2012 14:40 Cal File: B0820569.D
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-509

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
1 DALAPON						CAS #: 75-99-0		
2.769	2.771	-0.002	814082	0.01000	0.01080			
$ 2 DCAA						CAS #: 19719-28-9		
8.634	8.631	0.003	1195064	0.02000	0.02052			
3 DICAMBA						CAS #: 1918-00-9		
8.902	8.899	0.003	2562101	0.01000	0.01006			
4 MCPP						CAS #: 7085-19-0		
9.048	9.045	0.003	329869	2.00000	1.632			
5 MCPA						CAS #: 94-74-6		
9.355	9.351	0.004	511450	2.00000	1.852			
6 DICHLOROPROP						CAS #: 120-36-5		
9.719	9.716	0.003	1158957	0.02000	0.02003			
7 2,4-D						CAS #: 94-75-7		
10.118	10.112	0.006	825244	0.02000	0.01716			
8 PENTACHLOROPHENOL						CAS #: 87-86-5		
10.359	10.356	0.003	2194590	0.00250	0.002382			
9 2,4,5-TP(SILVEX)						CAS #: 93-72-1		
10.888	10.884	0.004	1306278	0.00500	0.004506			
10 2,4,5-T						CAS #: 93-76-5		
11.346	11.337	0.009	691349	0.00500	0.004016			
11 2,4-DB						CAS #: 94-82-6		
11.784	11.770	0.014	271129	0.02000	0.01415			

Data File: \\pitsvr06\d\chem\gc1.i\08242B.b\B0820569.D
Report Date: 25-Aug-2012 11:29

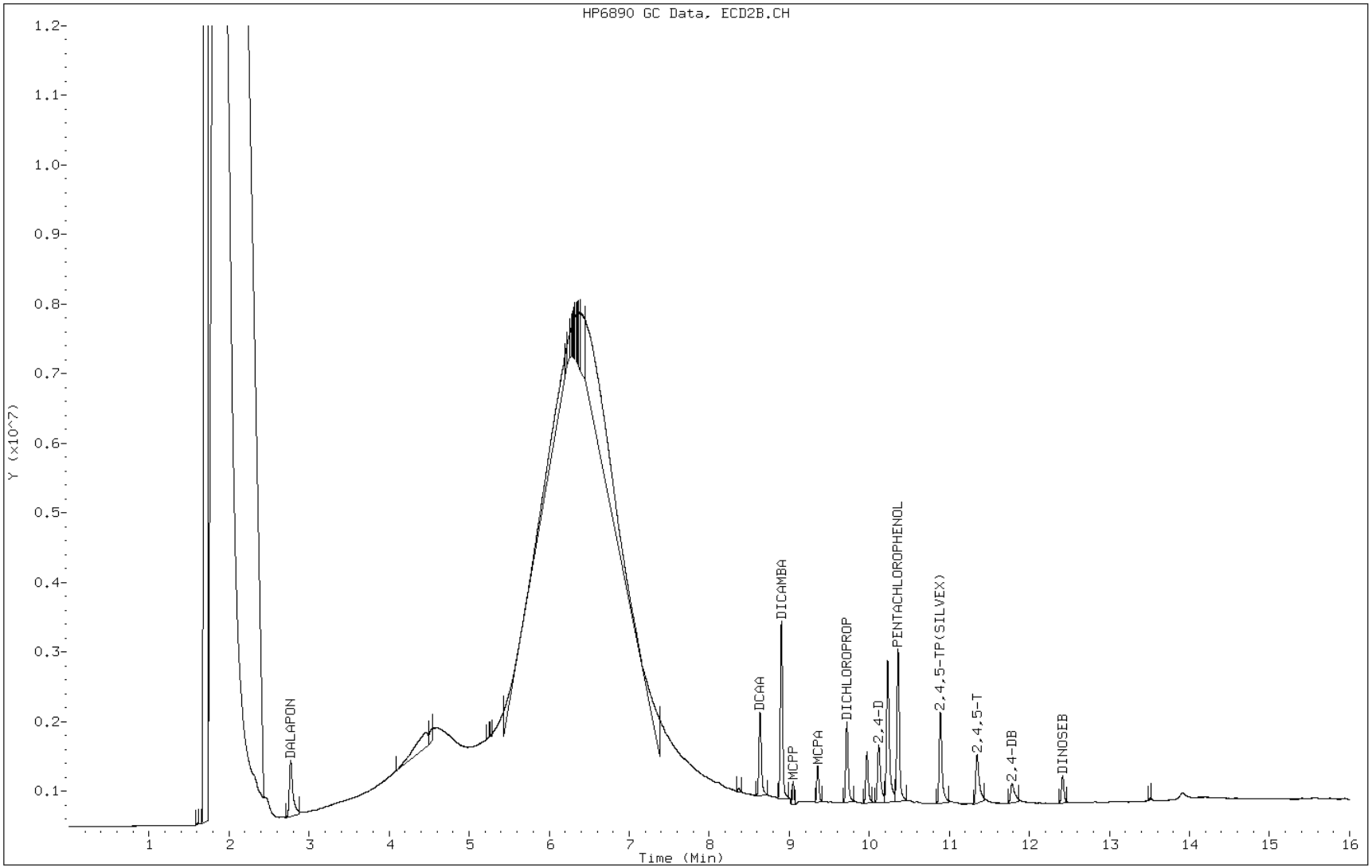
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
12 DINOSEB					CAS #: 88-85-7			
12.414	12.412	0.002	391779	0.00300	0.002935			

Data File: B0820569.D

Date: 24-AUG-2012 14:40

Client ID: Instrument: gc1.i

Sample Info: 08242B.B Operator: 01797



Data File: \\pitsvr06\d\chem\gc1.i\08242B.b\B0820570.D
Report Date: 25-Aug-2012 11:29

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc1.i\08242B.b\B0820570.D
Lab Smp Id: IC 358304
Inj Date : 24-AUG-2012 15:05
Operator : 01797 Inst ID: gc1.i
Smp Info : 08242B.B
Misc Info : IC 358304
Comment :
Method : \\pitsvr06\d\chem\gc1.i\08242B.b\Therbb.m
Meth Date : 25-Aug-2012 11:29 eppinged Quant Type: ESTD
Cal Date : 24-AUG-2012 15:05 Cal File: B0820570.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-509

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
1 DALAPON						CAS #: 75-99-0		
2.771	2.771	0.000	1520616	0.02000	0.02018			
$ 2 DCAA						CAS #: 19719-28-9		
8.632	8.631	0.001	2408151	0.04000	0.04136			
3 DICAMBA						CAS #: 1918-00-9		
8.900	8.899	0.001	5188510	0.02000	0.02036			
4 MCPP						CAS #: 7085-19-0		
9.046	9.045	0.001	774543	4.00000	3.832			
5 MCPA						CAS #: 94-74-6		
9.352	9.351	0.001	1093436	4.00000	3.960			
6 DICHLOROPROP						CAS #: 120-36-5		
9.717	9.716	0.001	2340101	0.04000	0.04044			
7 2,4-D						CAS #: 94-75-7		
10.115	10.112	0.003	1796713	0.04000	0.03735			
8 PENTACHLOROPHENOL						CAS #: 87-86-5		
10.357	10.356	0.001	4534500	0.00500	0.004922			
9 2,4,5-TP(SILVEX)						CAS #: 93-72-1		
10.886	10.884	0.002	2744242	0.01000	0.009467			
10 2,4,5-T						CAS #: 93-76-5		
11.343	11.337	0.006	1515832	0.01000	0.008806			
11 2,4-DB						CAS #: 94-82-6		
11.780	11.770	0.010	584669	0.04000	0.03051			

Data File: \\pitsvr06\d\chem\gc1.i\08242B.b\B0820570.D
Report Date: 25-Aug-2012 11:29

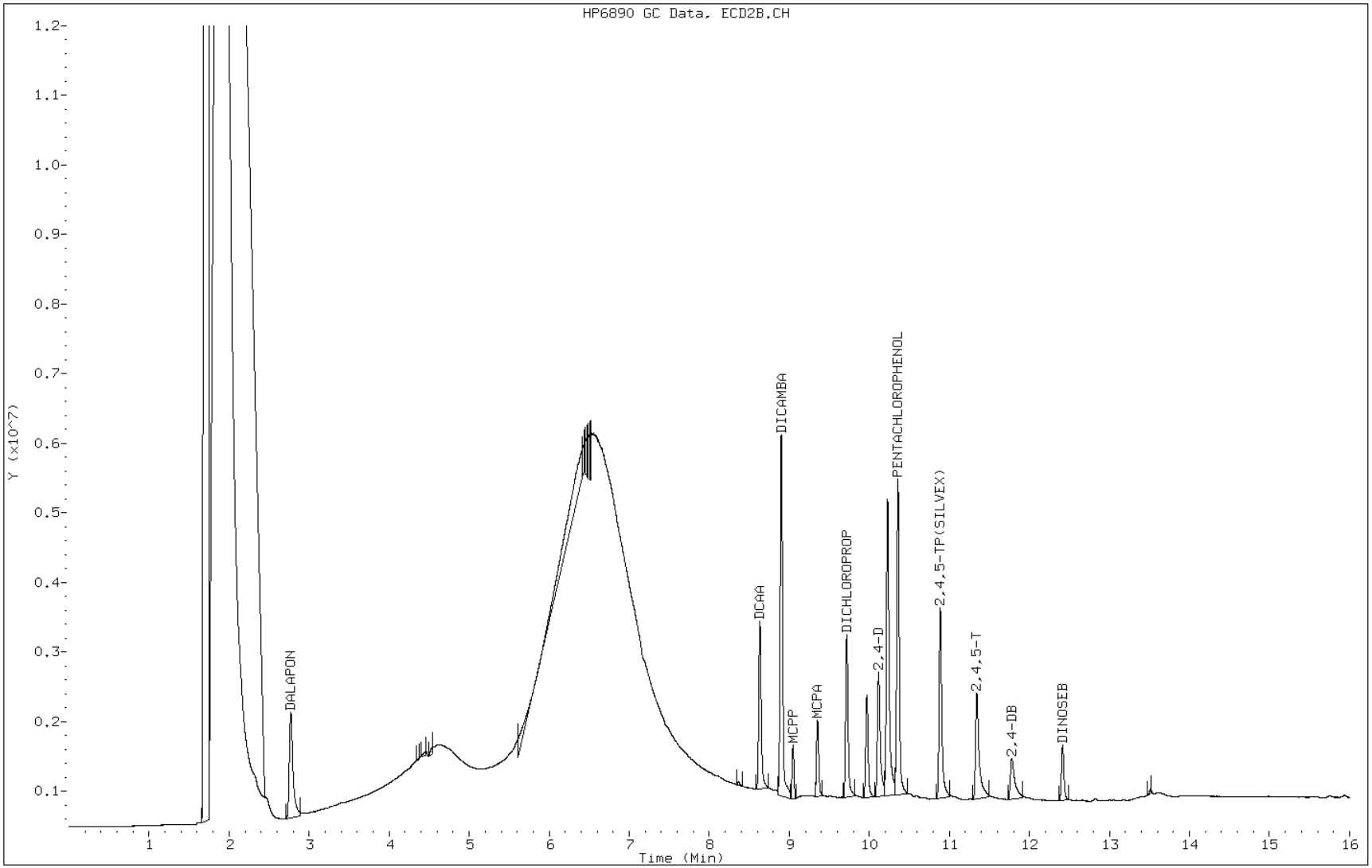
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
12 DINOSEB					CAS #: 88-85-7			
12.415	12.412	0.003	796038	0.00600	0.005964			

Data File: B0820570.D

Date: 24-AUG-2012 15:05

Client ID: Instrument: gc1.i

Sample Info: 08242B.B Operator: 01797



Data File: \\pitsvr06\d\chem\gc1.i\08242B.b\B0820571.D
Report Date: 25-Aug-2012 11:28

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc1.i\08242B.b\B0820571.D
Lab Smp Id: ICRT 358305
Inj Date : 24-AUG-2012 15:30
Operator : 01797 Inst ID: gc1.i
Smp Info : 08242B.B
Misc Info : ICRT 358305
Comment :
Method : \\pitsvr06\d\chem\gc1.i\08242B.b\Therbb.m
Meth Date : 25-Aug-2012 11:28 eppinged Quant Type: ESTD
Cal Date : 24-AUG-2012 15:30 Cal File: B0820571.D
Als bottle: 3 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-509

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
1 DALAPON						CAS #: 75-99-0		
2.771	2.771	0.000	3128484	0.04000	0.04000			
$ 2 DCAA						CAS #: 19719-28-9		
8.631	8.631	0.000	4809347	0.08000	0.08000			
3 DICAMBA						CAS #: 1918-00-9		
8.899	8.899	0.000	10480297	0.04000	0.04000			
4 MCPP						CAS #: 7085-19-0		
9.045	9.045	0.000	1724965	8.00000	8.000			
5 MCPA						CAS #: 94-74-6		
9.351	9.351	0.000	2322693	8.00000	8.000			
6 DICHLOROPROP						CAS #: 120-36-5		
9.716	9.716	0.000	4879276	0.08000	0.08000			
7 2,4-D						CAS #: 94-75-7		
10.112	10.112	0.000	4125014	0.08000	0.08000			
8 PENTACHLOROPHENOL						CAS #: 87-86-5		
10.356	10.356	0.000	9650137	0.01000	0.01000			
9 2,4,5-TP(SILVEX)						CAS #: 93-72-1		
10.884	10.884	0.000	6372184	0.02000	0.02000			
10 2,4,5-T						CAS #: 93-76-5		
11.337	11.337	0.000	3947915	0.02000	0.02000			
11 2,4-DB						CAS #: 94-82-6		
11.770	11.770	0.000	1904597	0.08000	0.08000			

Data File: \\pitsvr06\d\chem\gc1.i\08242B.b\B0820571.D
Report Date: 25-Aug-2012 11:28

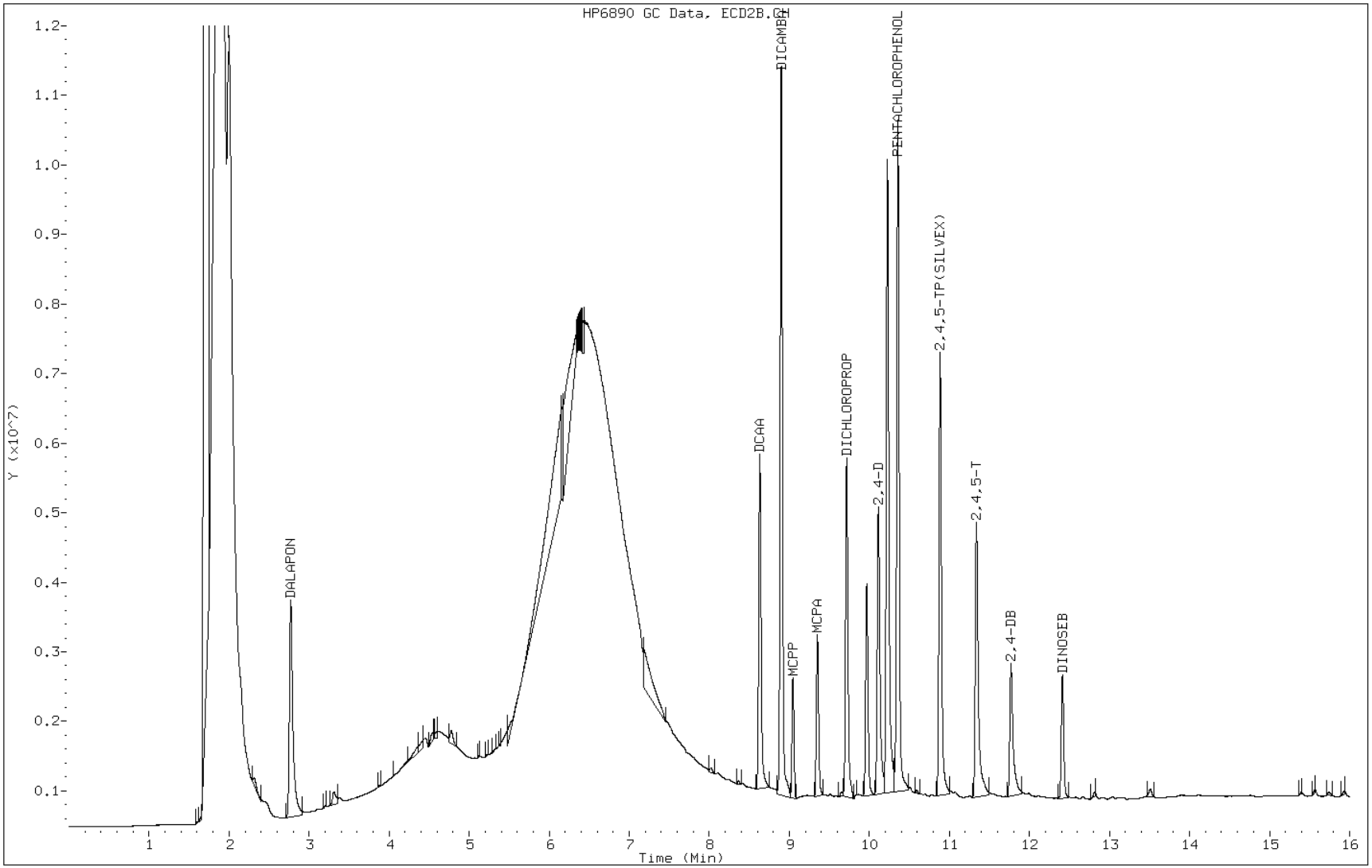
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
12 DINOSEB					CAS #: 88-85-7			
12.412	12.412	0.000	1767023	0.01200	0.01200			

Data File: B0820571.D

Date: 24-AUG-2012 15:30

Client ID: Instrument: gc1.i

Sample Info: 08242B.B Operator: 01797



Data File: \\pitsvr06\d\chem\gc1.i\08242B.b\B0820572.D
Report Date: 25-Aug-2012 11:29

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc1.i\08242B.b\B0820572.D
Lab Smp Id: IC 358306
Inj Date : 24-AUG-2012 15:56
Operator : 01797 Inst ID: gc1.i
Smp Info : 08242B.B
Misc Info : IC 358306
Comment :
Method : \\pitsvr06\d\chem\gc1.i\08242B.b\Therbb.m
Meth Date : 25-Aug-2012 11:29 eppinged Quant Type: ESTD
Cal Date : 24-AUG-2012 15:56 Cal File: B0820572.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-509

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
1 DALAPON						CAS #: 75-99-0		
2.771	2.771	0.000	5607639	0.08000	0.07442			
$ 2 DCAA						CAS #: 19719-28-9		
8.629	8.631	-0.002	9016603	0.16000	0.1548			
3 DICAMBA						CAS #: 1918-00-9		
8.899	8.899	0.000	19978156	0.08000	0.07841			
4 MCPP						CAS #: 7085-19-0		
9.044	9.045	-0.001	3434198	16.0000	16.99			
5 MCPA						CAS #: 94-74-6		
9.350	9.351	-0.001	4443438	16.0000	16.09			
6 DICHLOROPROP						CAS #: 120-36-5		
9.716	9.716	0.000	9012932	0.16000	0.1557			
7 2,4-D						CAS #: 94-75-7		
10.111	10.112	-0.001	8118903	0.16000	0.1688			
8 PENTACHLOROPHENOL						CAS #: 87-86-5		
10.355	10.356	-0.001	18611282	0.02000	0.02020			
9 2,4,5-TP(SILVEX)						CAS #: 93-72-1		
10.884	10.884	0.000	11822930	0.04000	0.04079			
10 2,4,5-T						CAS #: 93-76-5		
11.337	11.337	0.000	7312185	0.04000	0.04248			
11 2,4-DB						CAS #: 94-82-6		
11.770	11.770	0.000	3276700	0.16000	0.1710			

Data File: \\pitsvr06\d\chem\gc1.i\08242B.b\B0820572.D
Report Date: 25-Aug-2012 11:29

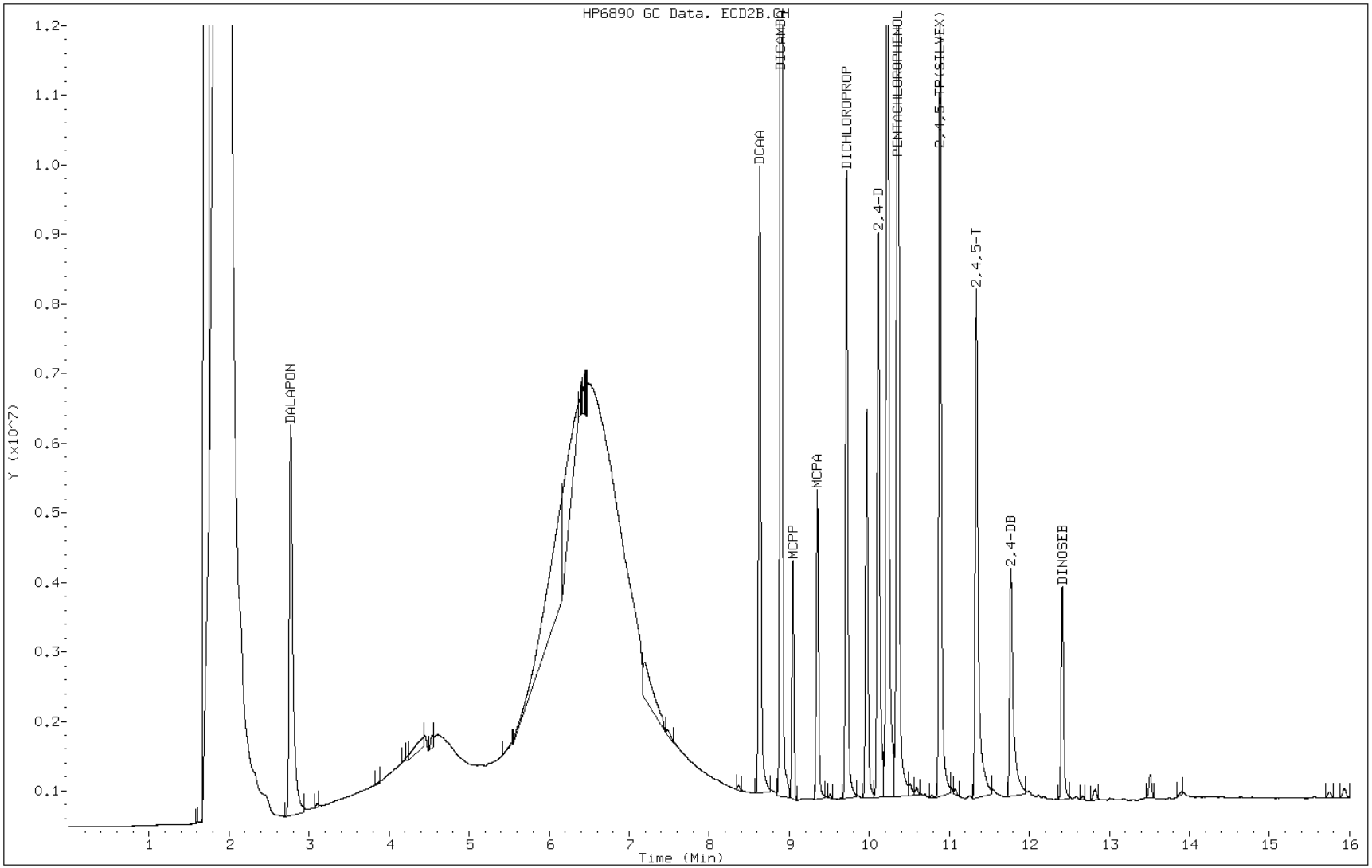
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
12 DINOSEB					CAS #: 88-85-7			
12.412	12.412	0.000	3062960	0.02400	0.02295			

Data File: B0820572.D

Date: 24-AUG-2012 15:56

Client ID: Instrument: gc1.i

Sample Info: 08242B.B Operator: 01797



Data File: \\pitsvr06\d\chem\gc1.i\08242B.b\B0820573.D
Report Date: 25-Aug-2012 11:29

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc1.i\08242B.b\B0820573.D
Lab Smp Id: IC 358307
Inj Date : 24-AUG-2012 16:21
Operator : 01797 Inst ID: gc1.i
Smp Info : 08242B.B
Misc Info : IC 358307
Comment :
Method : \\pitsvr06\d\chem\gc1.i\08242B.b\Therbb.m
Meth Date : 25-Aug-2012 11:29 eppinged Quant Type: ESTD
Cal Date : 24-AUG-2012 16:21 Cal File: B0820573.D
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-509

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
1 DALAPON						CAS #: 75-99-0		
2.767	2.771	-0.004	11360915	0.16000	0.1508			
$ 2 DCAA						CAS #: 19719-28-9		
8.630	8.631	-0.001	17512502	0.32000	0.3007			
3 DICAMBA						CAS #: 1918-00-9		
8.899	8.899	0.000	39450286	0.16000	0.1548			
4 MCPP						CAS #: 7085-19-0		
9.045	9.045	0.000	7097211	32.0000	35.11			(A)
5 MCPA						CAS #: 94-74-6		
9.351	9.351	0.000	9072302	32.0000	32.86			(A)
6 DICHLOROPROP						CAS #: 120-36-5		
9.716	9.716	0.000	17788168	0.32000	0.3074			
7 2,4-D						CAS #: 94-75-7		
10.111	10.112	-0.001	16643368	0.32000	0.3460			(A)
8 PENTACHLOROPHENOL						CAS #: 87-86-5		
10.356	10.356	0.000	37029568	0.04000	0.04020			(A)
9 2,4,5-TP(SILVEX)						CAS #: 93-72-1		
10.884	10.884	0.000	23956231	0.08000	0.08265			(A)
10 2,4,5-T						CAS #: 93-76-5		
11.337	11.337	0.000	15249545	0.08000	0.08859			(A)
11 2,4-DB						CAS #: 94-82-6		
11.769	11.770	-0.001	7477036	0.32000	0.3901			(A)

Data File: \\pitsvr06\d\chem\gc1.i\08242B.b\B0820573.D
Report Date: 25-Aug-2012 11:29

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
12 DINOSEB					CAS #: 88-85-7			
12.413	12.412	0.001	6204005	0.04800	0.04648			

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: B0820573.D

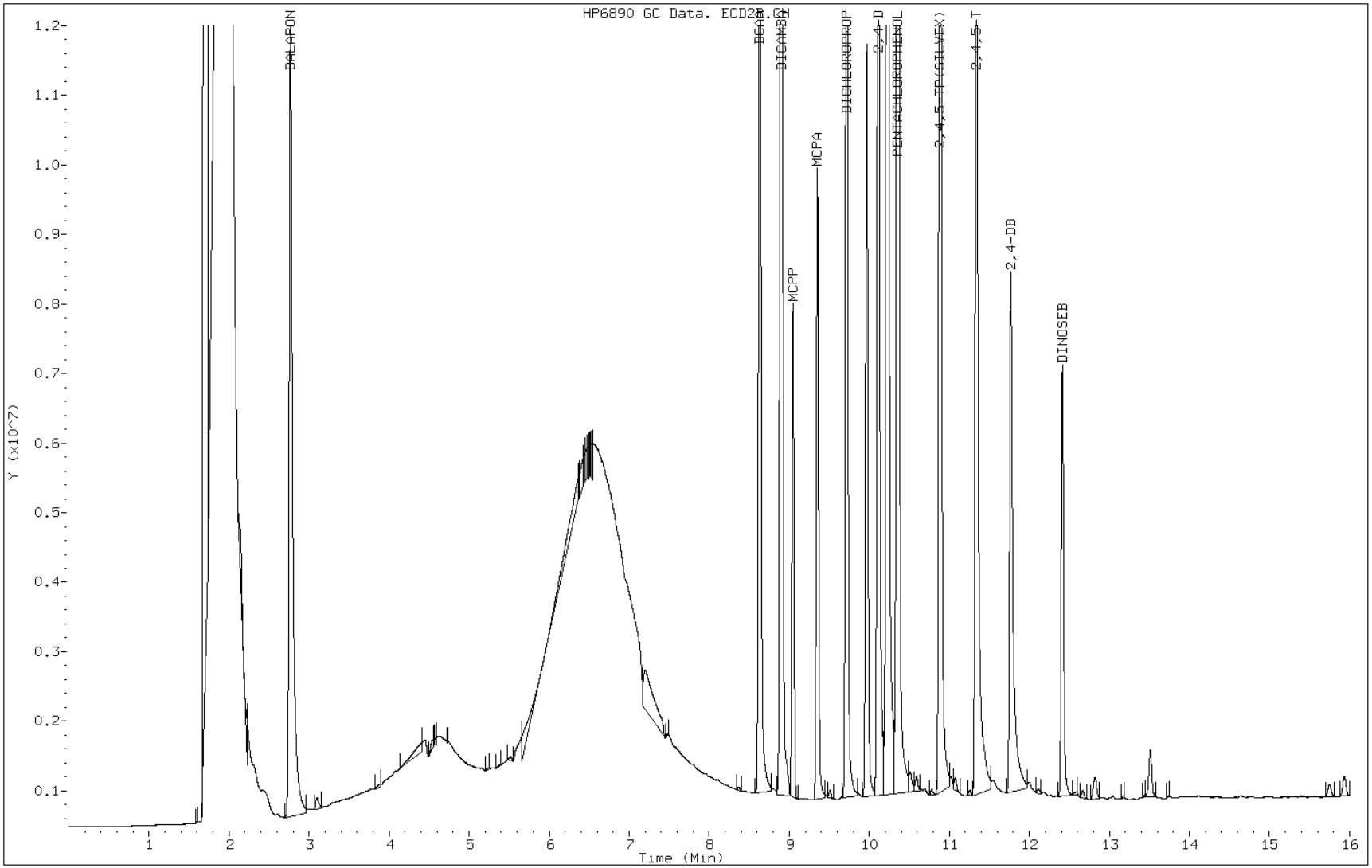
Date: 24-AUG-2012 16:21

Client ID:

Instrument: gc1.i

Sample Info: 08242B.B

Operator: 01797



FORM VI
HERBICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 46323

SDG No.:

Instrument ID: GC1 GC Column: RTX-50 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/24/2012 15:05 Calibration End Date: 08/24/2012 16:48 Calibration ID: 6411

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-46323/1	A0820569.D
Level 2	IC 180-46323/2	A0820570.D
Level 3	ICRT 180-46323/3	A0820571.D
Level 4	IC 180-46323/4	A0820572.D
Level 5	IC 180-46323/5	A0820573.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Dalapon	2.568	2.569	2.566	2.563	2.559						2.536 - 2.596	2.565
MCPP	8.856	8.856	8.857	8.857	8.859						8.827 - 8.887	8.857
Dicamba	8.952	8.954	8.954	8.955	8.955						8.924 - 8.984	8.954
MCPA	9.279	9.279	9.280	9.280	9.281						9.250 - 9.310	9.280
Dichlorprop	9.559	9.560	9.560	9.560	9.561						9.530 - 9.590	9.560
2,4-D	10.055	10.054	10.053	10.053	10.054						10.023 - 10.083	10.054
Pentachlorophenol	10.607	10.607	10.607	10.607	10.609						10.577 - 10.637	10.607
Silvex (2,4,5-TP)	10.733	10.734	10.732	10.732	10.733						10.702 - 10.762	10.733
2,4,5-T	11.288	11.286	11.284	11.284	11.284						11.254 - 11.314	11.285
Dinoseb	11.528	11.529	11.528	11.529	11.530						11.498 - 11.558	11.529
2,4-DB	11.672	11.669	11.667	11.665	11.664						11.637 - 11.697	11.667
2,4-Dichlorophenylacetic acid	8.648	8.649	8.651	8.650	8.651						8.621 - 8.681	8.650

FORM VI
HERBICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 46323

SDG No.:

Instrument ID: GC1 GC Column: RTX-50 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/24/2012 15:05 Calibration End Date: 08/24/2012 16:48 Calibration ID: 6411

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-46323/1	A0820569.D
Level 2	IC 180-46323/2	A0820570.D
Level 3	ICRT 180-46323/3	A0820571.D
Level 4	IC 180-46323/4	A0820572.D
Level 5	IC 180-46323/5	A0820573.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
Dalapon	23985600 23483525	24422950	23192450	22236988	Ave		23464302.5				3.5		20.0			
MCPP	61317 101802	84895	95004	88860	Ave		86375.6000				17.8		20.0			
Dicamba	135646700 115183819	131819100	124251175	109169238	Ave		123214006				9.0		20.0			
MCPA	105250 141240	127644	139213	125479	Ave		127765.125				11.2		20.0			
Dichlorprop	32603050 29730781	32805900	32509825	27999406	Ave		31129792.5				6.9		20.0			
2,4-D	24425900 29859338	26955850	28893975	25979431	Ave		27222898.8				8.0		20.0			
Pentachlorophenol	521295600 528341050	544124200	550351900	486152150	Ave		526052980				4.8		20.0			
Silvex (2,4,5-TP)	153776800 162916788	159443800	174206750	150365075	Ave		160141843				5.8		20.0			
2,4,5-T	93643200 119598888	101848800	116360800	100704525	Ave		106431243				10.4		20.0			
Dinoseb	78026333 73460625	78548000	84209333	67685208	Ave		76385900.0				8.1		20.0			
2,4-DB	9111550 12125288	10023675	11664150	9650019	Ave		10514936.3				12.5		20.0			
2,4-Dichlorophenylacetic acid	34069850 30015194	34324350	32905875	28437744	Ave		31950602.5				8.2		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
HERBICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1 Analy Batch No.: 46323

SDG No.:

Instrument ID: GC1 GC Column: RTX-50 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/24/2012 15:05 Calibration End Date: 08/24/2012 16:48 Calibration ID: 6411

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 180-46323/1	A0820569.D
Level 2	IC 180-46323/2	A0820570.D
Level 3	ICRT 180-46323/3	A0820571.D
Level 4	IC 180-46323/4	A0820572.D
Level 5	IC 180-46323/5	A0820573.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Dalapon	Ave	239856	488459	927698	1778959	3757364	0.0100	0.0200	0.0400	0.0800	0.160
MCPP	Ave	122634	339579	760031	1421764	3257668	2.00	4.00	8.00	16.0	32.0
Dicamba	Ave	1356467	2636382	4970047	8733539	18429411	0.0100	0.0200	0.0400	0.0800	0.160
MCPA	Ave	210499	510577	1113704	2007663	4519678	2.00	4.00	8.00	16.0	32.0
Dichlorprop	Ave	652061	1312236	2600786	4479905	9513850	0.0200	0.0400	0.0800	0.160	0.320
2,4-D	Ave	488518	1078234	2311518	4156709	9554988	0.0200	0.0400	0.0800	0.160	0.320
Pentachlorophenol	Ave	1303239	2720621	5503519	9723043	21133642	0.00250	0.00500	0.0100	0.0200	0.0400
Silvex (2,4,5-TP)	Ave	768884	1594438	3484135	6014603	13033343	0.00500	0.0100	0.0200	0.0400	0.0800
2,4,5-T	Ave	468216	1018488	2327216	4028181	9567911	0.00500	0.0100	0.0200	0.0400	0.0800
Dinoseb	Ave	234079	471288	1010512	1624445	3526110	0.00300	0.00600	0.0120	0.0240	0.0480
2,4-DB	Ave	182231	400947	933132	1544003	3880092	0.0200	0.0400	0.0800	0.160	0.320
2,4-Dichlorophenylacetic acid	Ave	681397	1372974	2632470	4550039	9604862	0.0200	0.0400	0.0800	0.160	0.320

Curve Type Legend:
Ave = Average by Height

Data File: \\pitsvr06\d\chem\gc1.i\08242A.b\A0820569.D
Report Date: 25-Aug-2012 10:11

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc1.i\08242A.b\A0820569.D
Lab Smp Id: IC 358303
Inj Date : 24-AUG-2012 15:05
Operator : 01797 Inst ID: gc1.i
Smp Info : 08242A.B
Misc Info : IC 358303
Comment :
Method : \\pitsvr06\d\chem\gc1.i\08242A.b\Therba.m
Meth Date : 25-Aug-2012 10:11 eppinged Quant Type: ESTD
Cal Date : 24-AUG-2012 15:05 Cal File: A0820569.D
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-509

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
1 DALAPON						CAS #: 75-99-0		
2.568	2.565	0.003	239856	0.01000	0.01022			
$ 2 DCAA						CAS #: 19719-28-9		
8.648	8.650	-0.002	681397	0.02000	0.02133			
3 MCPP						CAS #: 7085-19-0		
8.855	8.856	-0.001	122634	2.00000	1.420			
4 DICAMBA						CAS #: 1918-00-9		
8.951	8.954	-0.003	1356467	0.01000	0.01101			
5 MCPA						CAS #: 94-74-6		
9.279	9.279	0.000	210499	2.00000	1.648			
6 DICHLOROPROP						CAS #: 120-36-5		
9.559	9.559	0.000	652061	0.02000	0.02095			
7 2,4-D						CAS #: 94-75-7		
10.055	10.053	0.002	488518	0.02000	0.01794			
8 PENTACHLOROPHENOL						CAS #: 87-86-5		
10.606	10.607	-0.001	1303239	0.00250	0.002477			
9 2,4,5-TP(SILVEX)						CAS #: 93-72-1		
10.733	10.732	0.001	768884	0.00500	0.004801			
10 2,4,5-T						CAS #: 93-76-5		
11.287	11.284	0.003	468216	0.00500	0.004399			
11 DINOSEB						CAS #: 88-85-7		
11.528	11.528	0.000	234079	0.00300	0.003064			

Data File: \\pitsvr06\d\chem\gc1.i\08242A.b\A0820569.D
Report Date: 25-Aug-2012 10:11

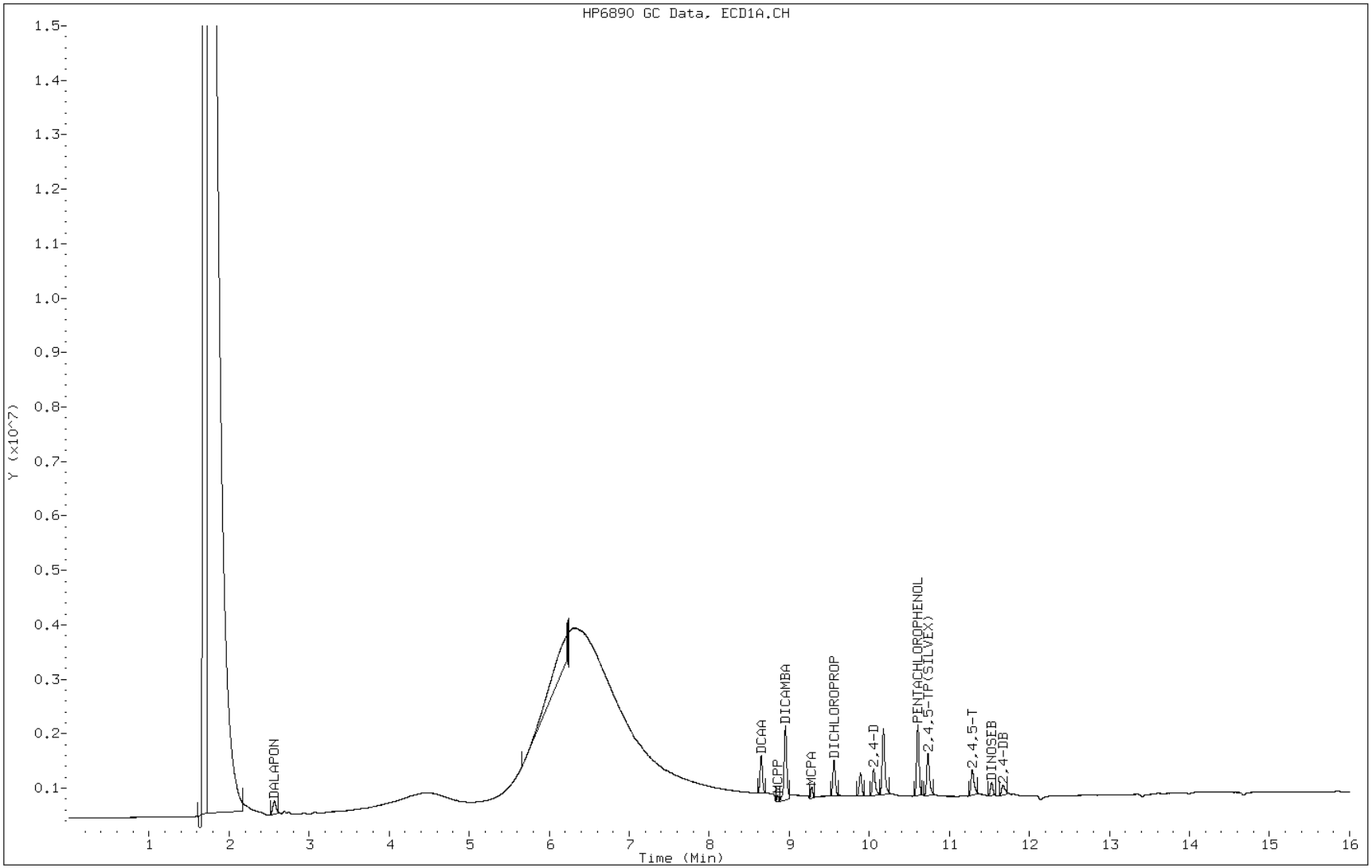
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
12 2,4-DB					CAS #: 94-82-6			
11.671	11.666	0.005	182231	0.02000	0.01733			

Data File: A0820569.D

Date: 24-AUG-2012 15:05

Client ID: Instrument: gc1.i

Sample Info: 08242A.B Operator: 01797



Data File: \\pitsvr06\d\chem\gc1.i\08242A.b\A0820570.D
Report Date: 25-Aug-2012 10:11

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc1.i\08242A.b\A0820570.D
Lab Smp Id: IC 358304
Inj Date : 24-AUG-2012 15:30
Operator : 01797 Inst ID: gc1.i
Smp Info : 08242A.B
Misc Info : IC 358304
Comment :
Method : \\pitsvr06\d\chem\gc1.i\08242A.b\Therba.m
Meth Date : 25-Aug-2012 10:11 eppinged Quant Type: ESTD
Cal Date : 24-AUG-2012 15:30 Cal File: A0820570.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-509

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
1 DALAPON						CAS #: 75-99-0		
2.568	2.565	0.003	488459	0.02000	0.02082			
$ 2 DCAA						CAS #: 19719-28-9		
8.649	8.650	-0.001	1372974	0.04000	0.04297			
3 MCPP						CAS #: 7085-19-0		
8.856	8.856	0.000	339579	4.00000	3.931			
4 DICAMBA						CAS #: 1918-00-9		
8.953	8.954	-0.001	2636382	0.02000	0.02140			
5 MCPA						CAS #: 94-74-6		
9.279	9.279	0.000	510577	4.00000	3.996			
6 DICHLOROPROP						CAS #: 120-36-5		
9.560	9.559	0.001	1312236	0.04000	0.04215			
7 2,4-D						CAS #: 94-75-7		
10.054	10.053	0.001	1078234	0.04000	0.03961			
8 PENTACHLOROPHENOL						CAS #: 87-86-5		
10.606	10.607	-0.001	2720621	0.00500	0.005172			
9 2,4,5-TP(SILVEX)						CAS #: 93-72-1		
10.733	10.732	0.001	1594438	0.01000	0.009956			
10 2,4,5-T						CAS #: 93-76-5		
11.286	11.284	0.002	1018488	0.01000	0.009569			
11 DINOSEB						CAS #: 88-85-7		
11.528	11.528	0.000	471288	0.00600	0.006170			

Data File: \\pitsvr06\d\chem\gc1.i\08242A.b\A0820570.D
Report Date: 25-Aug-2012 10:11

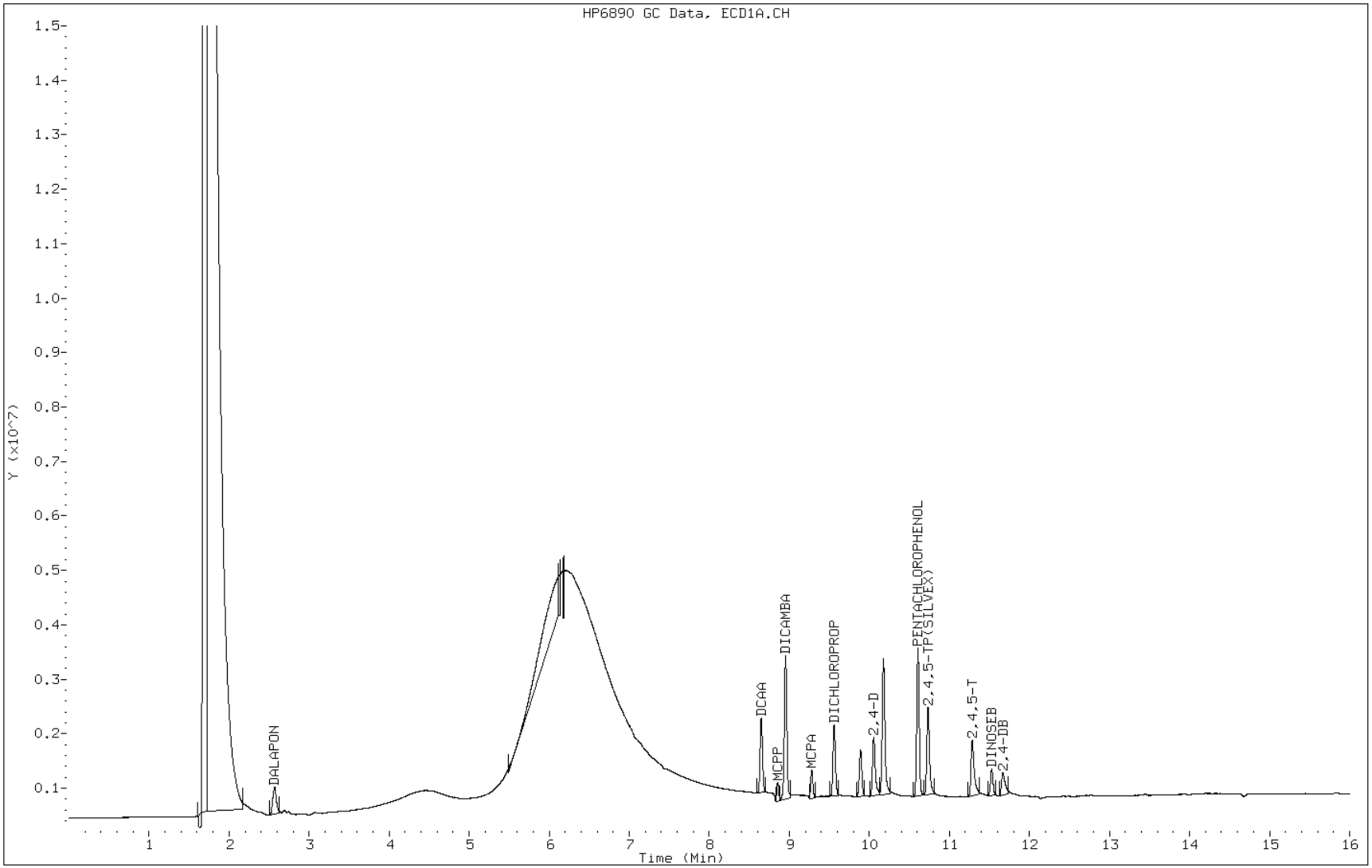
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
12 2,4-DB					CAS #: 94-82-6			
11.668	11.666	0.002	400947	0.04000	0.03813			

Data File: A0820570.D

Date: 24-AUG-2012 15:30

Client ID: Instrument: gc1.i

Sample Info: 08242A.B Operator: 01797



Data File: \\pitsvr06\d\chem\gc1.i\08242A.b\A0820571.D
Report Date: 25-Aug-2012 10:10

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc1.i\08242A.b\A0820571.D
Lab Smp Id: ICRT 358305
Inj Date : 24-AUG-2012 15:56
Operator : 01797 Inst ID: gc1.i
Smp Info : 08242A.B
Misc Info : ICRT 358305
Comment :
Method : \\pitsvr06\d\chem\gc1.i\08242A.b\Therba.m
Meth Date : 25-Aug-2012 10:10 eppinged Quant Type: ESTD
Cal Date : 24-AUG-2012 15:56 Cal File: A0820571.D
Als bottle: 3 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-509

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
1 DALAPON						CAS #: 75-99-0		
2.565	2.565	0.000	927698	0.04000	0.04000			
$ 2 DCAA						CAS #: 19719-28-9		
8.650	8.650	0.000	2632470	0.08000	0.08000			
3 MCPP						CAS #: 7085-19-0		
8.856	8.856	0.000	760031	8.00000	8.000			
4 DICAMBA						CAS #: 1918-00-9		
8.954	8.954	0.000	4970047	0.04000	0.04000			
5 MCPA						CAS #: 94-74-6		
9.279	9.279	0.000	1113704	8.00000	8.000			
6 DICHLOROPROP						CAS #: 120-36-5		
9.559	9.559	0.000	2600786	0.08000	0.08000			
7 2,4-D						CAS #: 94-75-7		
10.053	10.053	0.000	2311518	0.08000	0.08000			
8 PENTACHLOROPHENOL						CAS #: 87-86-5		
10.607	10.607	0.000	5503519	0.01000	0.01000			
9 2,4,5-TP(SILVEX)						CAS #: 93-72-1		
10.732	10.732	0.000	3484135	0.02000	0.02000			
10 2,4,5-T						CAS #: 93-76-5		
11.284	11.284	0.000	2327216	0.02000	0.02000			
11 DINOSEB						CAS #: 88-85-7		
11.528	11.528	0.000	1010512	0.01200	0.01200			

Data File: \\pitsvr06\d\chem\gc1.i\08242A.b\A0820571.D
Report Date: 25-Aug-2012 10:10

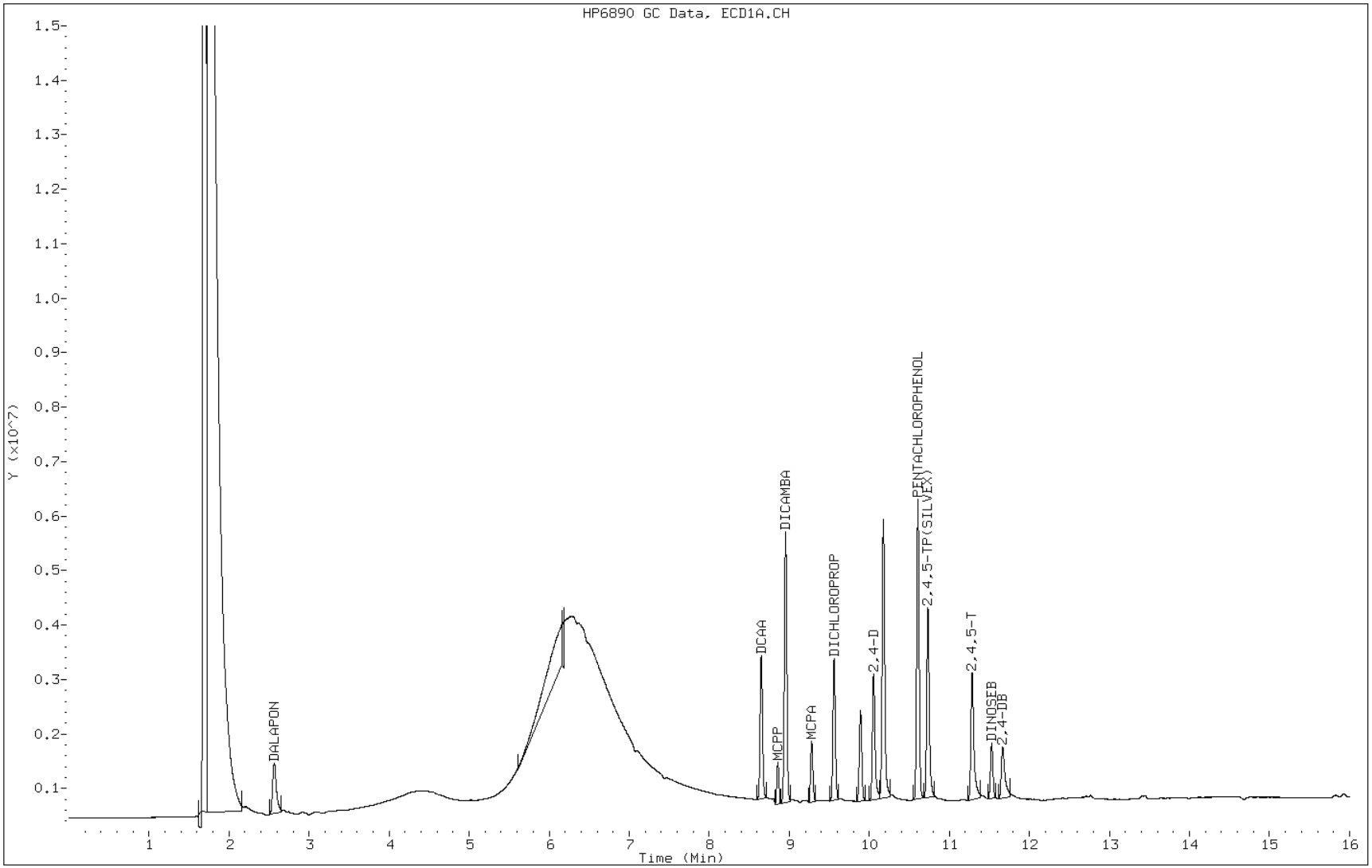
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
12 2,4-DB					CAS #: 94-82-6			
11.666	11.666	0.000	933132	0.08000	0.08000			

Data File: A0820571.D

Date: 24-AUG-2012 15:56

Client ID: Instrument: gc1.i

Sample Info: 08242A.B Operator: 01797



Data File: \\pitsvr06\d\chem\gc1.i\08242A.b\A0820572.D
Report Date: 25-Aug-2012 10:11

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc1.i\08242A.b\A0820572.D
Lab Smp Id: IC 358306
Inj Date : 24-AUG-2012 16:21
Operator : 01797 Inst ID: gc1.i
Smp Info : 08242A.B
Misc Info : IC 358306
Comment :
Method : \\pitsvr06\d\chem\gc1.i\08242A.b\Therba.m
Meth Date : 25-Aug-2012 10:11 eppinged Quant Type: ESTD
Cal Date : 24-AUG-2012 16:21 Cal File: A0820572.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-509

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
1 DALAPON						CAS #: 75-99-0		
2.563	2.565	-0.002	1778959	0.08000	0.07582			
$ 2 DCAA						CAS #: 19719-28-9		
8.649	8.650	-0.001	4550039	0.16000	0.1424			
3 MCPP						CAS #: 7085-19-0		
8.857	8.856	0.001	1421764	16.0000	16.46			
4 DICAMBA						CAS #: 1918-00-9		
8.954	8.954	0.000	8733539	0.08000	0.07088			
5 MCPA						CAS #: 94-74-6		
9.279	9.279	0.000	2007663	16.0000	15.71			
6 DICHLOROPROP						CAS #: 120-36-5		
9.559	9.559	0.000	4479905	0.16000	0.1439			
7 2,4-D						CAS #: 94-75-7		
10.053	10.053	0.000	4156709	0.16000	0.1527			
8 PENTACHLOROPHENOL						CAS #: 87-86-5		
10.607	10.607	0.000	9723043	0.02000	0.01848			
9 2,4,5-TP(SILVEX)						CAS #: 93-72-1		
10.731	10.732	-0.001	6014603	0.04000	0.03756			
10 2,4,5-T						CAS #: 93-76-5		
11.284	11.284	0.000	4028181	0.04000	0.03785			
11 DINOSEB						CAS #: 88-85-7		
11.529	11.528	0.001	1624445	0.02400	0.02127			

Data File: \\pitsvr06\d\chem\gc1.i\08242A.b\A0820572.D
Report Date: 25-Aug-2012 10:11

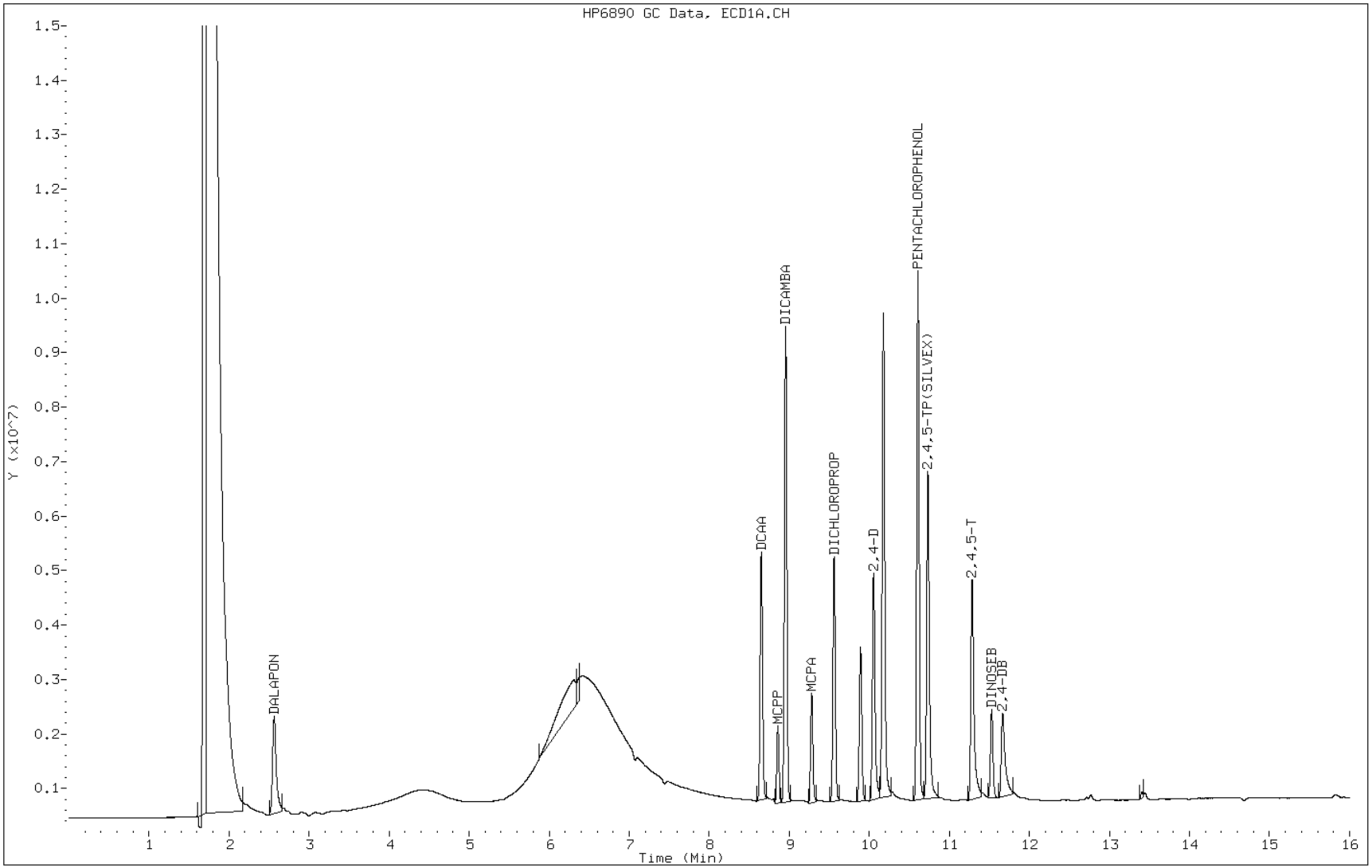
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
12 2,4-DB					CAS #: 94-82-6			
11.664	11.666	-0.002	1544003	0.16000	0.1468			

Data File: A0820572.D

Date: 24-AUG-2012 16:21

Client ID: Instrument: gc1.i

Sample Info: 08242A.B Operator: 01797



Data File: \\pitsvr06\d\chem\gc1.i\08242A.b\A0820573.D
Report Date: 25-Aug-2012 10:11

TestAmerica Pittsburgh

Data file : \\pitsvr06\d\chem\gc1.i\08242A.b\A0820573.D
Lab Smp Id: IC 358307
Inj Date : 24-AUG-2012 16:48
Operator : 01797 Inst ID: gc1.i
Smp Info : 08242A.B
Misc Info : IC 358307
Comment :
Method : \\pitsvr06\d\chem\gc1.i\08242A.b\Therba.m
Meth Date : 25-Aug-2012 10:11 eppinged Quant Type: ESTD
Cal Date : 24-AUG-2012 16:48 Cal File: A0820573.D
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-509

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
1 DALAPON					CAS #: 75-99-0			
2.558	2.565	-0.007	3757364	0.16000	0.1601			(A)
$ 2 DCAA					CAS #: 19719-28-9			
8.651	8.650	0.001	9604862	0.32000	0.3006			
3 MCPP					CAS #: 7085-19-0			
8.858	8.856	0.002	3257668	32.0000	37.72			(A)
4 DICAMBA					CAS #: 1918-00-9			
8.955	8.954	0.001	18429411	0.16000	0.1496			
5 MCPA					CAS #: 94-74-6			
9.281	9.279	0.002	4519678	32.0000	35.37			(A)
6 DICHLOROPROP					CAS #: 120-36-5			
9.561	9.559	0.002	9513850	0.32000	0.3056			
7 2,4-D					CAS #: 94-75-7			
10.053	10.053	0.000	9554988	0.32000	0.3510			(A)
8 PENTACHLOROPHENOL					CAS #: 87-86-5			
10.608	10.607	0.001	21133642	0.04000	0.04017			(A)
9 2,4,5-TP(SILVEX)					CAS #: 93-72-1			
10.732	10.732	0.000	13033343	0.08000	0.08139			(A)
10 2,4,5-T					CAS #: 93-76-5			
11.284	11.284	0.000	9567911	0.08000	0.08990			(A)
11 DINOSEB					CAS #: 88-85-7			
11.530	11.528	0.002	3526110	0.04800	0.04616			

Data File: \\pitsvr06\d\chem\gc1.i\08242A.b\A0820573.D
Report Date: 25-Aug-2012 10:11

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
12 2,4-DB					CAS #: 94-82-6			
11.664	11.666	-0.002	3880092	0.32000	0.3690			(A)

QC Flag Legend

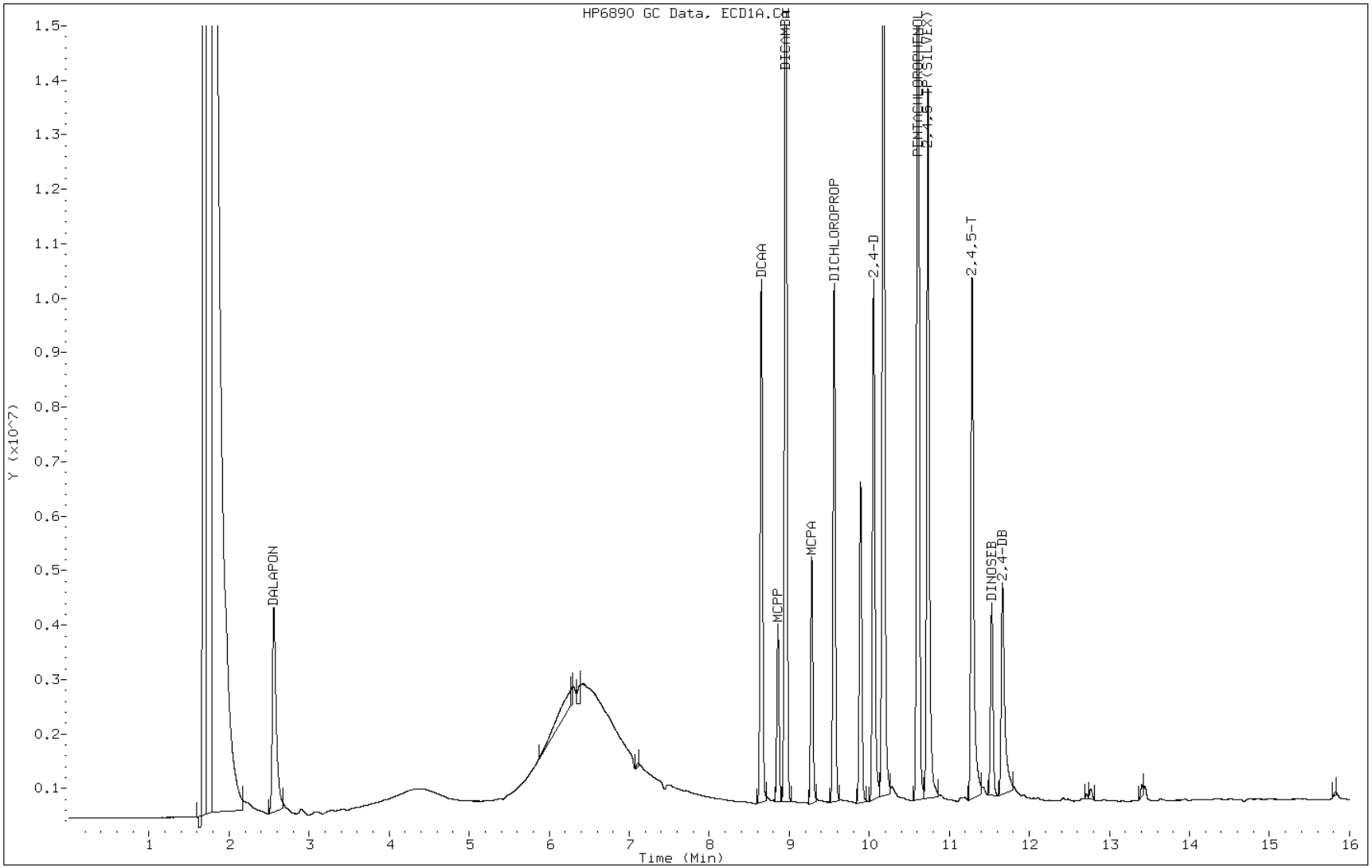
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: A0820573.D

Date: 24-AUG-2012 16:48

Client ID: Instrument: gc1.i

Sample Info: 08242A.B Operator: 01797



FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCVRT 180-47174/1 Calibration Date: 08/30/2012 17:57

Instrument ID: GC1 Calib Start Date: 08/24/2012 14:40

GC Column: RTX-1701 ID: 0.53(mm) Calib End Date: 08/24/2012 16:21

Lab File ID: B0820795.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	75350461	73262175		0.0778	0.0800	-2.8	15.0
Dicamba	Ave	254786853	252798025		0.0794	0.0800	-0.8	15.0
MCPP	Ave	202123	221881		17.6	16.0	9.8	15.0
MCPA	Ave	276129	285572		16.5	16.0	3.4	15.0
Dichlorprop	Ave	57872035	56156619		0.155	0.160	-3.0	15.0
2,4-D	Ave	48099274	49933713		0.166	0.160	3.8	15.0
Pentachlorophenol	Ave	921210600	921999550		0.0200	0.0200	0.0	15.0
Silvex (2,4,5-TP)	Ave	289863028	287557300		0.0397	0.0400	-0.8	15.0
2,4,5-T	Ave	172134538	176254100		0.0410	0.0400	2.4	15.0
2,4-DB	Ave	61540609	63439938		0.165	0.160	3.1	15.0
Dinoseb	Ave	133478271	126018875		0.0227	0.0240	-5.6	15.0
2,4-Dichlorophenylacetic acid	Ave	58230830	57035750		0.157	0.160	-2.1	15.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCVRT 180-47174/1 Calibration Date: 08/30/2012 17:57

Instrument ID: GC1 Calib Start Date: 08/24/2012 14:40

GC Column: RTX-1701 ID: 0.53(mm) Calib End Date: 08/24/2012 16:21

Lab File ID: B0820795.D

Analyte	RT	RT WINDOW	
		TO	FROM
Dalapon	2.76	2.73	2.79
Dicamba	8.89	8.86	8.92
MCPP	9.04	9.01	9.07
MCPA	9.35	9.32	9.38
Dichlorprop	9.71	9.68	9.74
2,4-D	10.11	10.08	10.14
Pentachlorophenol	10.35	10.32	10.38
Silvex (2,4,5-TP)	10.88	10.85	10.91
2,4,5-T	11.33	11.30	11.36
2,4-DB	11.77	11.74	11.80
Dinoseb	12.41	12.38	12.44
2,4-Dichlorophenylacetic acid	8.63	8.60	8.66

Data File: \\PITSVR06\D\chem\gc1.i\08302B.b\B0820795.D
Report Date: 31-Aug-2012 05:50

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc1.i\08302B.b\B0820795.D
Lab Smp Id: CCVRT 358306
Inj Date : 30-AUG-2012 17:57
Operator : 402331 Inst ID: gc1.i
Smp Info : 08302B.B
Misc Info : CCVRT 358306
Comment :
Method : \\PITSVR06\D\chem\gc1.i\08302B.b\Therbb.m
Meth Date : 31-Aug-2012 05:50 oravecj Quant Type: ESTD
Cal Date : 24-AUG-2012 16:21 Cal File: B0820573.D
Als bottle: 66 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-113

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

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
1 DALAPON						CAS #: 75-99-0		
2.758	2.758	0.000	5860974	0.08000	0.07778			
$ 2 DCAA						CAS #: 19719-28-9		
8.625	8.625	0.000	9125720	0.16000	0.1567			
3 DICAMBA						CAS #: 1918-00-9		
8.894	8.894	0.000	20223842	0.08000	0.07938			
4 MCPP						CAS #: 7085-19-0		
9.040	9.040	0.000	3550103	16.0000	17.56			
5 MCPA						CAS #: 94-74-6		
9.347	9.347	0.000	4569159	16.0000	16.55			
6 DICHLOROPROP						CAS #: 120-36-5		
9.712	9.712	0.000	8985059	0.16000	0.1552			
7 2,4-D						CAS #: 94-75-7		
10.107	10.107	0.000	7989394	0.16000	0.1661			
8 PENTACHLOROPHENOL						CAS #: 87-86-5		
10.352	10.352	0.000	18439991	0.02000	0.02002		(a)	
9 2,4,5-TP(SILVEX)						CAS #: 93-72-1		
10.880	10.880	0.000	11502292	0.04000	0.03968		(a)	

Data File: \\PITSVR06\D\chem\gc1.i\08302B.b\B0820795.D
Report Date: 31-Aug-2012 05:50

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
10 2,4,5-T					CAS #: 93-76-5			
11.334	11.334	0.000	7050164	0.04000	0.04096			(a)
11 2,4-DB					CAS #: 94-82-6			
11.766	11.766	0.000	10150390	0.16000	0.1649			
12 DINOSEB					CAS #: 88-85-7			
12.409	12.409	0.000	3024453	0.02400	0.02266			(a)

QC Flag Legend

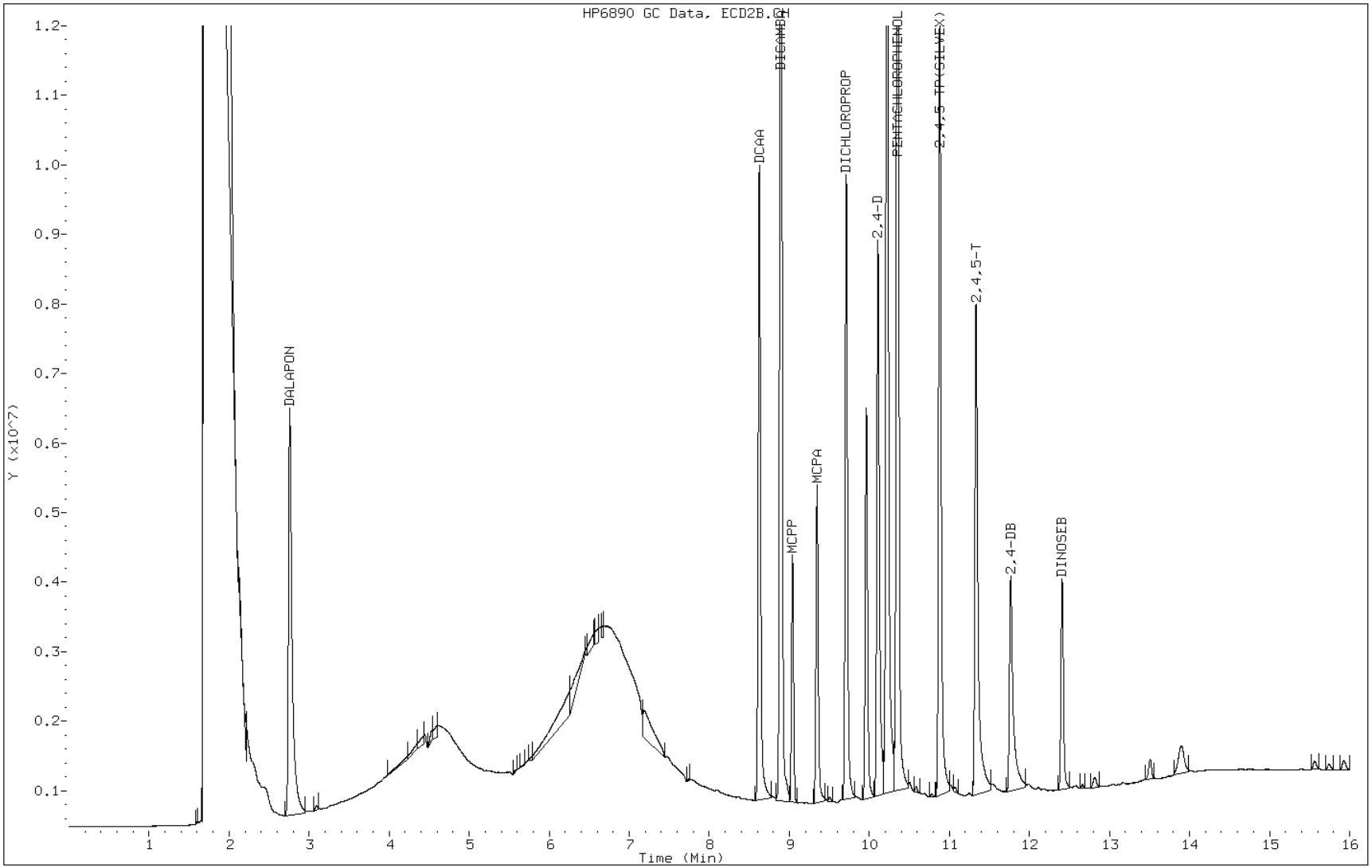
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: B0820795.D

Date: 30-AUG-2012 17:57

Client ID: Instrument: gc1.i

Sample Info: 08302B.B Operator: 402331



FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCVRT 180-47167/1 Calibration Date: 08/30/2012 18:22

Instrument ID: GC1 Calib Start Date: 08/24/2012 15:05

GC Column: RTX-50 ID: 0.53(mm) Calib End Date: 08/24/2012 16:48

Lab File ID: A0820795.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	23464303	26060938		0.0889	0.0800	11.1	15.0
MCPP	Ave	86376	101407		18.8	16.0	17.4*	15.0
Dicamba	Ave	123214006	122528363		0.0796	0.0800	-0.6	15.0
MCPA	Ave	127765	144305		18.1	16.0	12.9	15.0
Dichlorprop	Ave	31129793	31742331		0.163	0.160	2.0	15.0
2,4-D	Ave	27222899	30687900		0.180	0.160	12.7	15.0
Pentachlorophenol	Ave	526052980	542379300		0.0206	0.0200	3.1	15.0
Silvex (2,4,5-TP)	Ave	160141843	171783225		0.0429	0.0400	7.3	15.0
2,4,5-T	Ave	106431243	124661650		0.0469	0.0400	17.1*	15.0
Dinoseb	Ave	76385900	80517250		0.0253	0.0240	5.4	15.0
2,4-DB	Ave	10514936	13582394		0.207	0.160	29.2*	15.0
2,4-Dichlorophenylacetic acid	Ave	31950603	31975194		0.160	0.160	0.0	15.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCVRT 180-47167/1 Calibration Date: 08/30/2012 18:22

Instrument ID: GC1 Calib Start Date: 08/24/2012 15:05

GC Column: RTX-50 ID: 0.53(mm) Calib End Date: 08/24/2012 16:48

Lab File ID: A0820795.D

Analyte	RT	RT WINDOW	
		TO	FROM
Dalapon	2.56	2.53	2.59
MCPP	8.86	8.83	8.89
Dicamba	8.96	8.93	8.99
MCPA	9.28	9.25	9.31
Dichlorprop	9.56	9.53	9.59
2,4-D	10.05	10.02	10.08
Pentachlorophenol	10.61	10.58	10.64
Silvex (2,4,5-TP)	10.73	10.70	10.76
2,4,5-T	11.29	11.26	11.32
Dinoseb	11.53	11.50	11.56
2,4-DB	11.67	11.64	11.70
2,4-Dichlorophenylacetic acid	8.65	8.62	8.68

Data File: \\PITSVR06\D\chem\gc1.i\08302A.b\A0820795.D
Report Date: 02-Sep-2012 07:57

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc1.i\08302A.b\A0820795.D
Lab Smp Id: CCVRT 358306
Inj Date : 30-AUG-2012 18:22
Operator : 402331 Inst ID: gc1.i
Smp Info : 08302A.B
Misc Info : CCVRT 358306
Comment :
Method : \\PITSVR06\D\chem\gc1.i\08302A.b\Therba.m
Meth Date : 02-Sep-2012 07:57 gc1.i Quant Type: ESTD
Cal Date : 24-AUG-2012 16:48 Cal File: A0820573.D
Als bottle: 66 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-113

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

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
1 DALAPON						CAS #: 75-99-0		
2.560	2.560	0.000	2084875	0.08000	0.08885			
$ 2 DCAA						CAS #: 19719-28-9		
8.651	8.651	0.000	5116031	0.16000	0.1601			
3 MCPP						CAS #: 7085-19-0		
8.857	8.857	0.000	1622519	16.0000	18.78			
4 DICAMBA						CAS #: 1918-00-9		
8.955	8.955	0.000	9802269	0.08000	0.07955			
5 MCPA						CAS #: 94-74-6		
9.280	9.280	0.000	2308883	16.0000	18.07			
6 DICHLOROPROP						CAS #: 120-36-5		
9.560	9.560	0.000	5078773	0.16000	0.1631			
7 2,4-D						CAS #: 94-75-7		
10.054	10.054	0.000	4910064	0.16000	0.1804			
8 PENTACHLOROPHENOL						CAS #: 87-86-5		
10.608	10.608	0.000	10847586	0.02000	0.02062			(a)
9 2,4,5-TP(SILVEX)						CAS #: 93-72-1		
10.733	10.733	0.000	6871329	0.04000	0.04291			(a)

Data File: \\PITSVR06\D\chem\gc1.i\08302A.b\A0820795.D
Report Date: 02-Sep-2012 07:57

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
10 2,4,5-T					CAS #: 93-76-5			
11.285	11.285	0.000	4986466	0.04000	0.04685			(a)
11 DINOSEB					CAS #: 88-85-7			
11.530	11.530	0.000	1932414	0.02400	0.02530			(a)
12 2,4-DB					CAS #: 94-82-6			
11.665	11.665	0.000	2173183	0.16000	0.2067			

QC Flag Legend

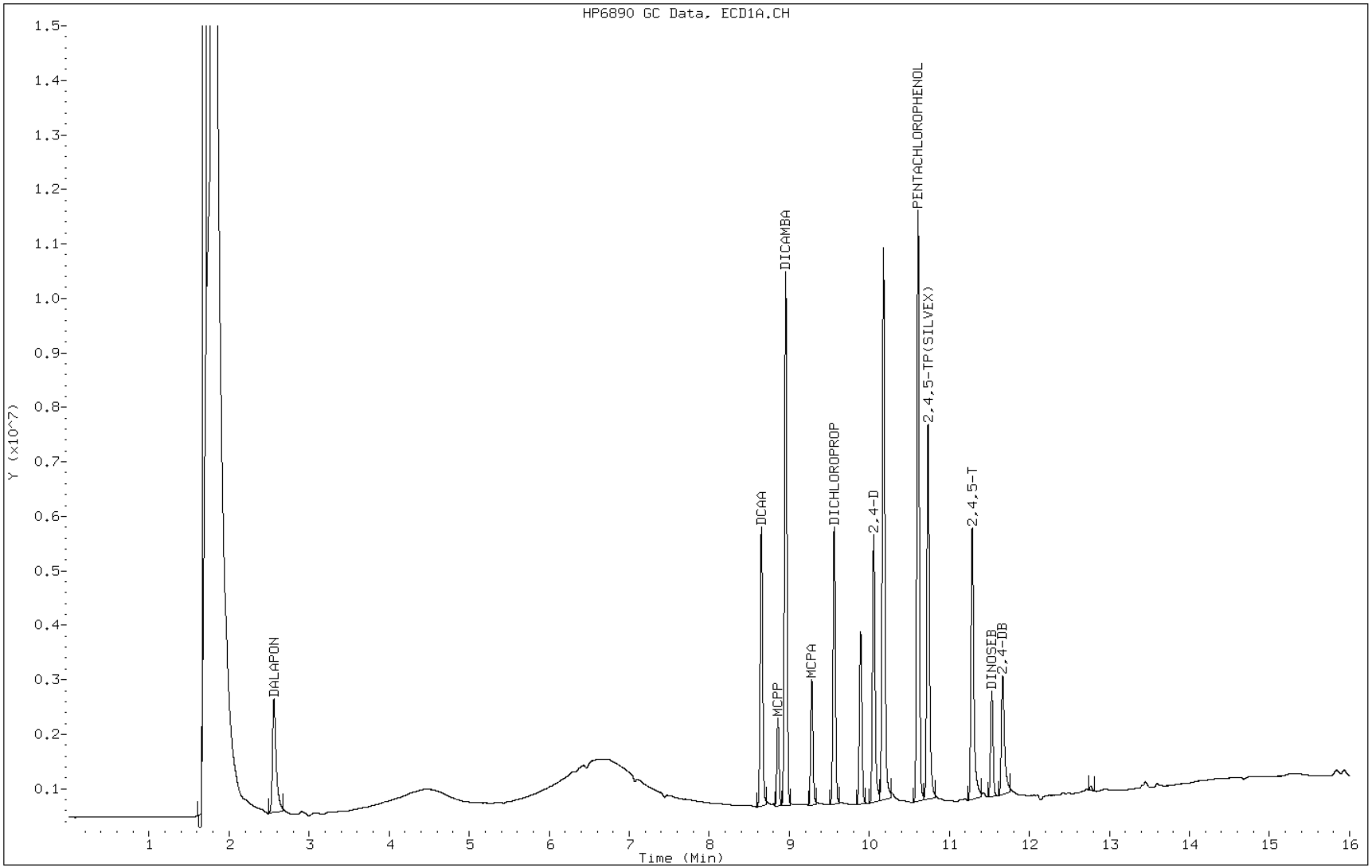
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: A0820795.D

Date: 30-AUG-2012 18:22

Client ID: Instrument: gc1.i

Sample Info: 08302A.B Operator: 402331



FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCV 180-47174/49 Calibration Date: 08/31/2012 17:14

Instrument ID: GC1 Calib Start Date: 08/24/2012 14:40

GC Column: RTX-1701 ID: 0.53(mm) Calib End Date: 08/24/2012 16:21

Lab File ID: B0820850.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	75350461	81124375		0.0861	0.0800	7.7	15.0
Dicamba	Ave	254786853	265766075		0.0834	0.0800	4.3	15.0
MCPP	Ave	202123	228427		18.1	16.0	13.0	15.0
MCPA	Ave	276129	295382		17.1	16.0	7.0	15.0
Dichlorprop	Ave	57872035	60260350		0.167	0.160	4.1	15.0
2,4-D	Ave	48099274	54105088		0.180	0.160	12.5	15.0
Pentachlorophenol	Ave	921210600	971583500		0.0211	0.0200	5.5	15.0
Silvex (2,4,5-TP)	Ave	289863028	307962075		0.0425	0.0400	6.2	15.0
2,4,5-T	Ave	172134538	198027725		0.0460	0.0400	15.0	15.0
2,4-DB	Ave	61540609	71608169		0.186	0.160	16.4*	15.0
Dinoseb	Ave	133478271	134530500		0.0242	0.0240	0.8	15.0
2,4-Dichlorophenylacetic acid	Ave	58230830	60666231		0.167	0.160	4.2	15.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCV 180-47174/49 Calibration Date: 08/31/2012 17:14

Instrument ID: GC1 Calib Start Date: 08/24/2012 14:40

GC Column: RTX-1701 ID: 0.53(mm) Calib End Date: 08/24/2012 16:21

Lab File ID: B0820850.D

Analyte	RT	RT WINDOW	
		TO	FROM
Dalapon	2.77	2.73	2.79
Dicamba	8.90	8.86	8.92
MCPP	9.04	9.01	9.07
MCPA	9.35	9.32	9.38
Dichlorprop	9.71	9.68	9.74
2,4-D	10.11	10.08	10.14
Pentachlorophenol	10.35	10.32	10.38
Silvex (2,4,5-TP)	10.88	10.85	10.91
2,4,5-T	11.33	11.30	11.36
2,4-DB	11.77	11.74	11.80
Dinoseb	12.41	12.38	12.44
2,4-Dichlorophenylacetic acid	8.63	8.60	8.66

Data File: \\PITSVR06\D\chem\gc1.i\08302B.b\B0820850.D
Report Date: 02-Sep-2012 07:57

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc1.i\08302B.b\B0820850.D
Lab Smp Id: CCV 358306
Inj Date : 31-AUG-2012 17:14
Operator : 402331 Inst ID: gc1.i
Smp Info : 08302B.B
Misc Info : CCV 358306
Comment :
Method : \\PITSVR06\D\chem\gc1.i\08302B.b\Therbb.m
Meth Date : 02-Sep-2012 07:57 oravecj Quant Type: ESTD
Cal Date : 24-AUG-2012 16:21 Cal File: B0820573.D
Als bottle: 21 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-113

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

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
1 DALAPON						CAS #: 75-99-0		
2.766	2.758	0.008	6489950	0.08000	0.08613			
$ 2 DCAA						CAS #: 19719-28-9		
8.626	8.625	0.001	9706597	0.16000	0.1667			
3 DICAMBA						CAS #: 1918-00-9		
8.895	8.894	0.001	21261286	0.08000	0.08345			
4 MCPP						CAS #: 7085-19-0		
9.042	9.040	0.002	3654831	16.0000	18.08			
5 MCPA						CAS #: 94-74-6		
9.347	9.347	0.000	4726114	16.0000	17.12			
6 DICHLOROPROP						CAS #: 120-36-5		
9.713	9.712	0.001	9641656	0.16000	0.1666			
7 2,4-D						CAS #: 94-75-7		
10.107	10.107	0.000	8656814	0.16000	0.1800			
8 PENTACHLOROPHENOL						CAS #: 87-86-5		
10.353	10.352	0.001	19431670	0.02000	0.02109		(a)	
9 2,4,5-TP(SILVEX)						CAS #: 93-72-1		
10.881	10.880	0.001	12318483	0.04000	0.04250		(a)	

Data File: \\PITSVR06\D\chem\gc1.i\08302B.b\B0820850.D
Report Date: 02-Sep-2012 07:57

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
10 2,4,5-T					CAS #: 93-76-5			
11.334	11.334	0.000	7921109	0.04000	0.04602			(a)
11 2,4-DB					CAS #: 94-82-6			
11.766	11.766	0.000	11457307	0.16000	0.1862			
12 DINOSEB					CAS #: 88-85-7			
12.409	12.409	0.000	3228732	0.02400	0.02419			(a)

QC Flag Legend

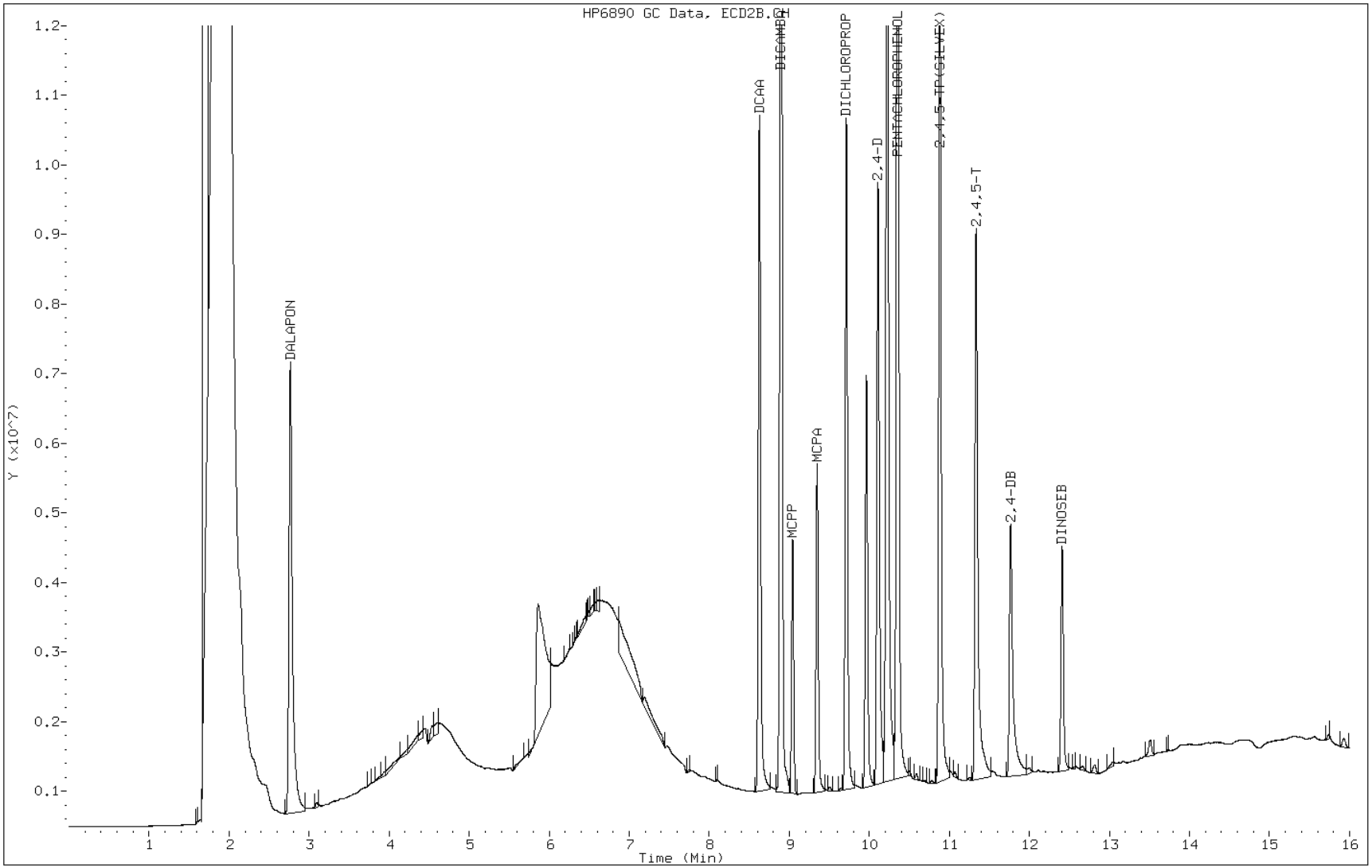
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: B0820850.D

Date: 31-AUG-2012 17:14

Client ID: Instrument: gc1.i

Sample Info: 08302B.B Operator: 402331



FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCV 180-47167/50 Calibration Date: 08/31/2012 17:40

Instrument ID: GC1 Calib Start Date: 08/24/2012 15:05

GC Column: RTX-50 ID: 0.53(mm) Calib End Date: 08/24/2012 16:48

Lab File ID: A0820850.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	23464303	26201838		0.0893	0.0800	11.7	15.0
MCPP	Ave	86376	100124		18.5	16.0	15.9*	15.0
Dicamba	Ave	123214006	121981413		0.0792	0.0800	-1.0	15.0
MCPA	Ave	127765	144892		18.1	16.0	13.4	15.0
Dichlorprop	Ave	31129793	31414250		0.161	0.160	0.9	15.0
2,4-D	Ave	27222899	30158688		0.177	0.160	10.8	15.0
Pentachlorophenol	Ave	526052980	518688850		0.0197	0.0200	-1.4	15.0
Silvex (2,4,5-TP)	Ave	160141843	170070550		0.0425	0.0400	6.2	15.0
2,4,5-T	Ave	106431243	126066075		0.0474	0.0400	18.4*	15.0
Dinoseb	Ave	76385900	80267958		0.0252	0.0240	5.1	15.0
2,4-DB	Ave	10514936	14295794		0.218	0.160	36.0*	15.0
2,4-Dichlorophenylacetic acid	Ave	31950603	32203338		0.161	0.160	0.8	15.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCV 180-47167/50 Calibration Date: 08/31/2012 17:40

Instrument ID: GC1 Calib Start Date: 08/24/2012 15:05

GC Column: RTX-50 ID: 0.53(mm) Calib End Date: 08/24/2012 16:48

Lab File ID: A0820850.D

Analyte	RT	RT WINDOW	
		TO	FROM
Dalapon	2.56	2.53	2.59
MCPP	8.86	8.83	8.89
Dicamba	8.96	8.93	8.99
MCPA	9.28	9.25	9.31
Dichlorprop	9.56	9.53	9.59
2,4-D	10.06	10.02	10.08
Pentachlorophenol	10.61	10.58	10.64
Silvex (2,4,5-TP)	10.74	10.70	10.76
2,4,5-T	11.29	11.26	11.32
Dinoseb	11.53	11.50	11.56
2,4-DB	11.67	11.64	11.70
2,4-Dichlorophenylacetic acid	8.65	8.62	8.68

Data File: \\PITSVR06\D\chem\gc1.i\08302A.b\A0820850.D
Report Date: 02-Sep-2012 07:36

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc1.i\08302A.b\A0820850.D
Lab Smp Id: CCV 358306
Inj Date : 31-AUG-2012 17:40
Operator : 402331 Inst ID: gc1.i
Smp Info : 08302A.B
Misc Info : CCV 358306
Comment :
Method : \\PITSVR06\D\chem\gc1.i\08302A.b\Therba.m
Meth Date : 02-Sep-2012 07:36 gc1.i Quant Type: ESTD
Cal Date : 24-AUG-2012 16:48 Cal File: A0820573.D
Als bottle: 21 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-113

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

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
1 DALAPON						CAS #: 75-99-0		
2.564	2.560	0.004	2096147	0.08000	0.08933			
$ 2 DCAA						CAS #: 19719-28-9		
8.654	8.651	0.003	5152534	0.16000	0.1613			
3 MCPP						CAS #: 7085-19-0		
8.860	8.857	0.003	1601990	16.0000	18.55			
4 DICAMBA						CAS #: 1918-00-9		
8.958	8.955	0.003	9758513	0.08000	0.07920			
5 MCPA						CAS #: 94-74-6		
9.282	9.280	0.002	2318272	16.0000	18.14			
6 DICHLOROPROP						CAS #: 120-36-5		
9.563	9.560	0.003	5026280	0.16000	0.1615			
7 2,4-D						CAS #: 94-75-7		
10.056	10.054	0.002	4825390	0.16000	0.1772			
8 PENTACHLOROPHENOL						CAS #: 87-86-5		
10.611	10.608	0.003	10373777	0.02000	0.01972			(a)
9 2,4,5-TP(SILVEX)						CAS #: 93-72-1		
10.736	10.733	0.003	6802822	0.04000	0.04248			(a)

Data File: \\PITSVR06\D\chem\gc1.i\08302A.b\A0820850.D
Report Date: 02-Sep-2012 07:36

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
10 2,4,5-T					CAS #: 93-76-5			
11.286	11.285	0.001	5042643	0.04000	0.04738		(a)	
11 DINOSEB					CAS #: 88-85-7			
11.532	11.530	0.002	1926431	0.02400	0.02522		(a)	
12 2,4-DB					CAS #: 94-82-6			
11.667	11.665	0.002	2287327	0.16000	0.2175			

QC Flag Legend

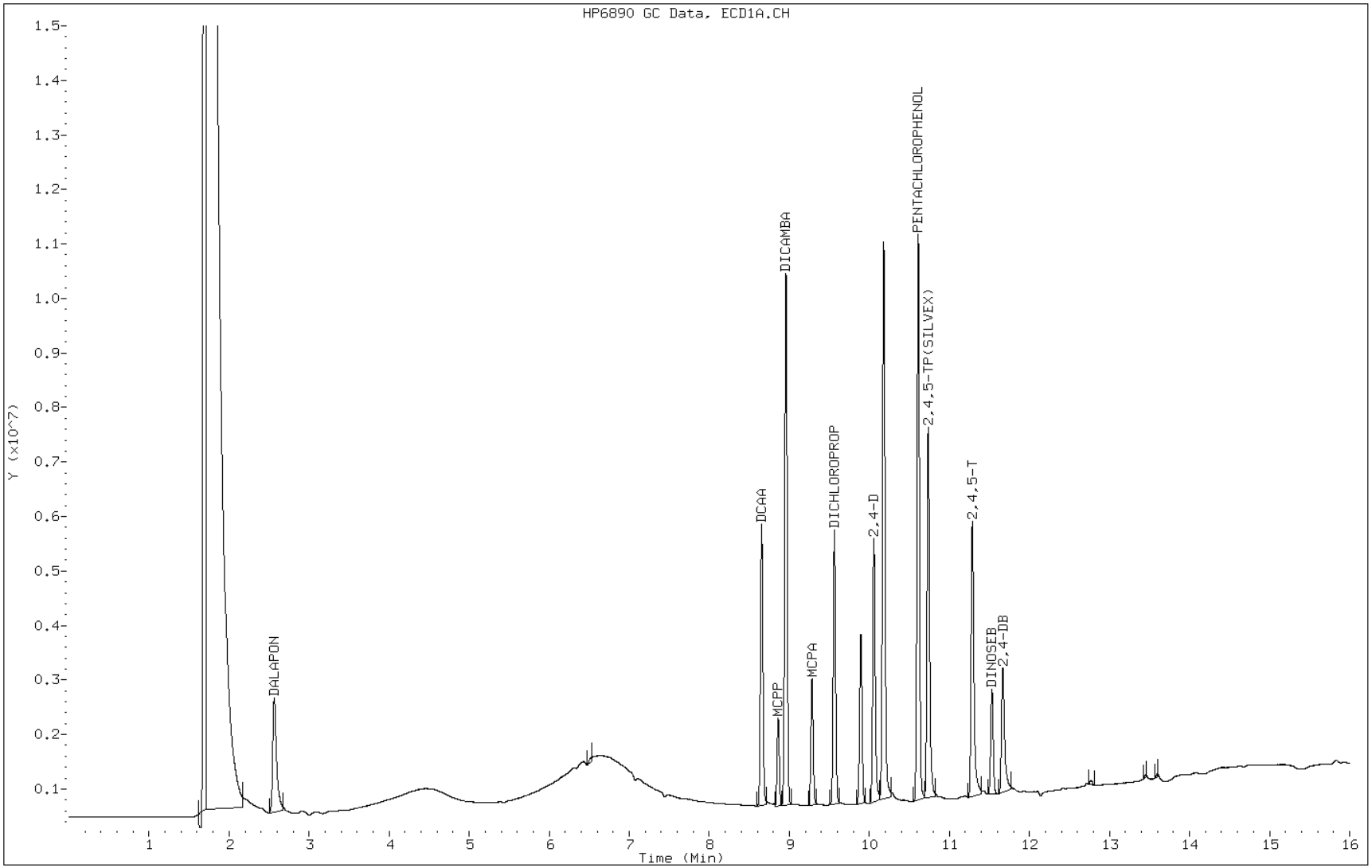
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: A0820850.D

Date: 31-AUG-2012 17:40

Client ID: Instrument: gc1.i

Sample Info: 08302A.B Operator: 402331



FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCV 180-47174/59 Calibration Date: 08/31/2012 21:55

Instrument ID: GC1 Calib Start Date: 08/24/2012 14:40

GC Column: RTX-1701 ID: 0.53(mm) Calib End Date: 08/24/2012 16:21

Lab File ID: B0820861.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	75350461	83988388		0.0892	0.0800	11.5	15.0
Dicamba	Ave	254786853	270890200		0.0851	0.0800	6.3	15.0
MCPP	Ave	202123	239541		19.0	16.0	18.5*	15.0
MCPA	Ave	276129	307093		17.8	16.0	11.2	15.0
Dichlorprop	Ave	57872035	61491931		0.170	0.160	6.3	15.0
2,4-D	Ave	48099274	54986919		0.183	0.160	14.3	15.0
Pentachlorophenol	Ave	921210600	991264950		0.0215	0.0200	7.6	15.0
Silvex (2,4,5-TP)	Ave	289863028	310443625		0.0428	0.0400	7.1	15.0
2,4,5-T	Ave	172134538	199489150		0.0464	0.0400	15.9*	15.0
2,4-DB	Ave	61540609	70219181		0.183	0.160	14.1	15.0
Dinoseb	Ave	133478271	138484917		0.0249	0.0240	3.8	15.0
2,4-Dichlorophenylacetic acid	Ave	58230830	61781194		0.170	0.160	6.1	15.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCV 180-47174/59 Calibration Date: 08/31/2012 21:55

Instrument ID: GC1 Calib Start Date: 08/24/2012 14:40

GC Column: RTX-1701 ID: 0.53(mm) Calib End Date: 08/24/2012 16:21

Lab File ID: B0820861.D

Analyte	RT	RT WINDOW	
		TO	FROM
Dalapon	2.76	2.73	2.79
Dicamba	8.90	8.86	8.92
MCPP	9.04	9.01	9.07
MCPA	9.35	9.32	9.38
Dichlorprop	9.71	9.68	9.74
2,4-D	10.11	10.08	10.14
Pentachlorophenol	10.35	10.32	10.38
Silvex (2,4,5-TP)	10.88	10.85	10.91
2,4,5-T	11.33	11.30	11.36
2,4-DB	11.77	11.74	11.80
Dinoseb	12.41	12.38	12.44
2,4-Dichlorophenylacetic acid	8.63	8.60	8.66

Data File: \\PITSVR06\D\chem\gc1.i\08302B.b\B0820861.D
Report Date: 02-Sep-2012 07:57

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc1.i\08302B.b\B0820861.D
Lab Smp Id: CCV 358306
Inj Date : 31-AUG-2012 21:55
Operator : 402331 Inst ID: gc1.i
Smp Info : 08302B.B
Misc Info : CCV 358306
Comment :
Method : \\PITSVR06\D\chem\gc1.i\08302B.b\Therbb.m
Meth Date : 02-Sep-2012 07:57 oravecj Quant Type: ESTD
Cal Date : 24-AUG-2012 16:21 Cal File: B0820573.D
Als bottle: 32 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-113

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

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
1 DALAPON						CAS #: 75-99-0		
2.763	2.758	0.005	6719071	0.08000	0.08917			
$ 2 DCAA						CAS #: 19719-28-9		
8.626	8.625	0.001	9884991	0.16000	0.1698			
3 DICAMBA						CAS #: 1918-00-9		
8.895	8.894	0.001	21671216	0.08000	0.08506			
4 MCPP						CAS #: 7085-19-0		
9.041	9.040	0.001	3832655	16.0000	18.96			
5 MCPA						CAS #: 94-74-6		
9.347	9.347	0.000	4913494	16.0000	17.79			
6 DICHLOROPROP						CAS #: 120-36-5		
9.713	9.712	0.001	9838709	0.16000	0.1700			
7 2,4-D						CAS #: 94-75-7		
10.108	10.107	0.001	8797907	0.16000	0.1829			
8 PENTACHLOROPHENOL						CAS #: 87-86-5		
10.353	10.352	0.001	19825299	0.02000	0.02152		(a)	
9 2,4,5-TP(SILVEX)						CAS #: 93-72-1		
10.880	10.880	0.000	12417745	0.04000	0.04284		(a)	

Data File: \\PITSVR06\D\chem\gc1.i\08302B.b\B0820861.D
Report Date: 02-Sep-2012 07:57

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
10 2,4,5-T					CAS #: 93-76-5			
11.333	11.334	-0.001	7979566	0.04000	0.04636			(a)
11 2,4-DB					CAS #: 94-82-6			
11.767	11.766	0.001	11235069	0.16000	0.1826			
12 DINOSEB					CAS #: 88-85-7			
12.409	12.409	0.000	3323638	0.02400	0.02490			(a)

QC Flag Legend

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

Data File: B0820861.D

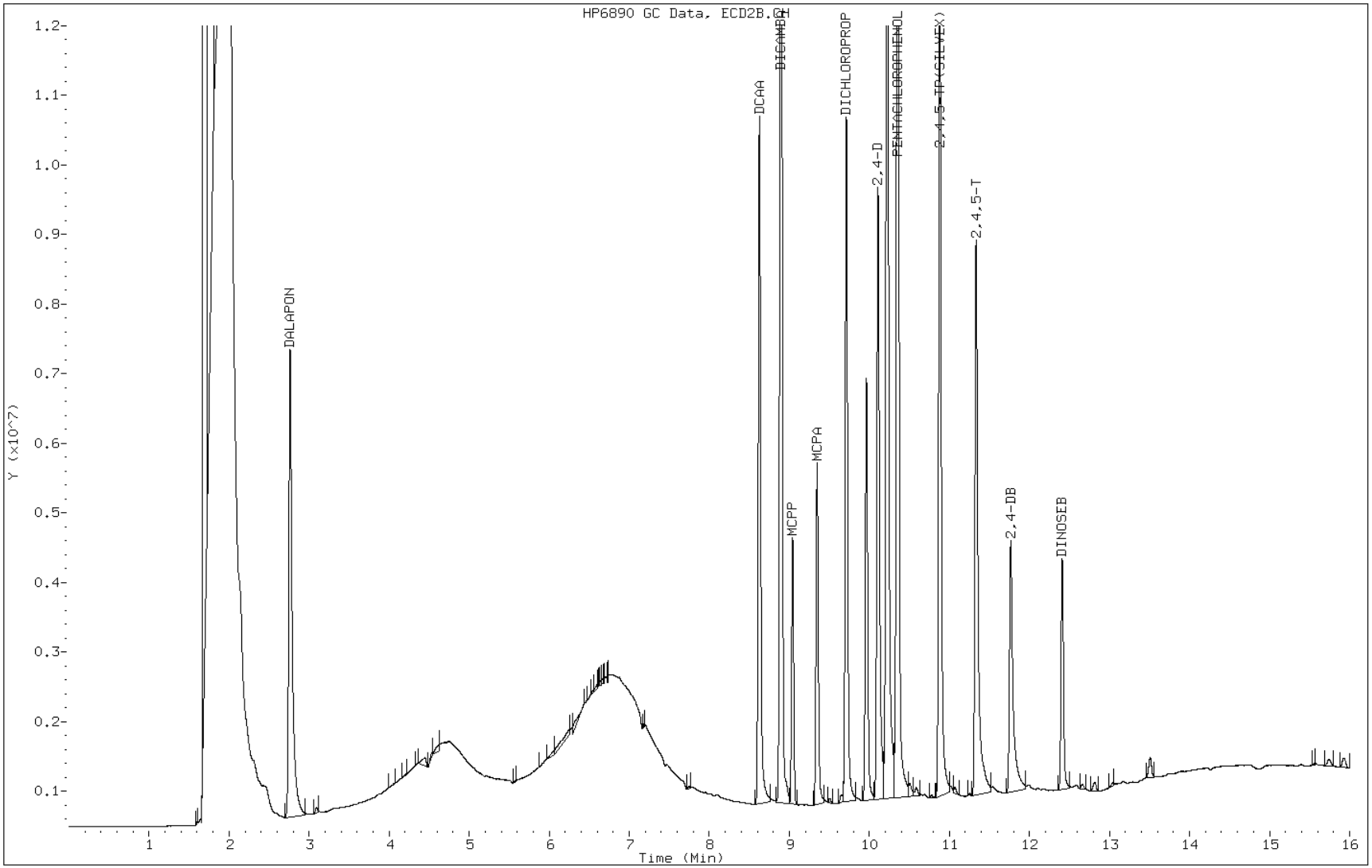
Date: 31-AUG-2012 21:55

Client ID:

Instrument: gc1.i

Sample Info: 08302B.B

Operator: 402331



FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCV 180-47167/61 Calibration Date: 08/31/2012 22:19

Instrument ID: GC1 Calib Start Date: 08/24/2012 15:05

GC Column: RTX-50 ID: 0.53(mm) Calib End Date: 08/24/2012 16:48

Lab File ID: A0820861.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	23464303	24757813		0.0844	0.0800	5.5	15.0
MCPP	Ave	86376	95865		17.8	16.0	11.0	15.0
Dicamba	Ave	123214006	115711838		0.0751	0.0800	-6.1	15.0
MCPA	Ave	127765	136955		17.2	16.0	7.2	15.0
Dichlorprop	Ave	31129793	30123794		0.155	0.160	-3.2	15.0
2,4-D	Ave	27222899	28826894		0.169	0.160	5.9	15.0
Pentachlorophenol	Ave	526052980	501922050		0.0191	0.0200	-4.6	15.0
Silvex (2,4,5-TP)	Ave	160141843	162856850		0.0407	0.0400	1.7	15.0
2,4,5-T	Ave	106431243	122188025		0.0459	0.0400	14.8	15.0
Dinoseb	Ave	76385900	77266292		0.0243	0.0240	1.2	15.0
2,4-DB	Ave	10514936	13487431		0.205	0.160	28.3*	15.0
2,4-Dichlorophenylacetic acid	Ave	31950603	30837250		0.154	0.160	-3.5	15.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCV 180-47167/61 Calibration Date: 08/31/2012 22:19

Instrument ID: GC1 Calib Start Date: 08/24/2012 15:05

GC Column: RTX-50 ID: 0.53(mm) Calib End Date: 08/24/2012 16:48

Lab File ID: A0820861.D

Analyte	RT	RT WINDOW	
		TO	FROM
Dalapon	2.57	2.53	2.59
MCPP	8.86	8.83	8.89
Dicamba	8.96	8.93	8.99
MCPA	9.28	9.25	9.31
Dichlorprop	9.57	9.53	9.59
2,4-D	10.06	10.02	10.08
Pentachlorophenol	10.61	10.58	10.64
Silvex (2,4,5-TP)	10.74	10.70	10.76
2,4,5-T	11.29	11.26	11.32
Dinoseb	11.53	11.50	11.56
2,4-DB	11.67	11.64	11.70
2,4-Dichlorophenylacetic acid	8.66	8.62	8.68

Data File: \\PITSVR06\D\chem\gc1.i\08302A.b\A0820861.D
Report Date: 02-Sep-2012 07:36

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc1.i\08302A.b\A0820861.D
Lab Smp Id: CCV 358306
Inj Date : 31-AUG-2012 22:19
Operator : 402331 Inst ID: gc1.i
Smp Info : 08302A.B
Misc Info : CCV 358306
Comment :
Method : \\PITSVR06\D\chem\gc1.i\08302A.b\Therba.m
Meth Date : 02-Sep-2012 07:36 gc1.i Quant Type: ESTD
Cal Date : 24-AUG-2012 16:48 Cal File: A0820573.D
Als bottle: 32 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-113

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

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
1 DALAPON						CAS #: 75-99-0		
2.567	2.560	0.007	1980625	0.08000	0.08441			
$ 2 DCAA						CAS #: 19719-28-9		
8.655	8.651	0.004	4933960	0.16000	0.1544			
3 MCPP						CAS #: 7085-19-0		
8.861	8.857	0.004	1533835	16.0000	17.76			
4 DICAMBA						CAS #: 1918-00-9		
8.959	8.955	0.004	9256947	0.08000	0.07513			
5 MCPA						CAS #: 94-74-6		
9.284	9.280	0.004	2191274	16.0000	17.15			
6 DICHLOROPROP						CAS #: 120-36-5		
9.565	9.560	0.005	4819807	0.16000	0.1548			
7 2,4-D						CAS #: 94-75-7		
10.058	10.054	0.004	4612303	0.16000	0.1694			
8 PENTACHLOROPHENOL						CAS #: 87-86-5		
10.613	10.608	0.005	10038441	0.02000	0.01908			(a)
9 2,4,5-TP(SILVEX)						CAS #: 93-72-1		
10.736	10.733	0.003	6514274	0.04000	0.04068			(a)

Data File: \\PITSVR06\D\chem\gc1.i\08302A.b\A0820861.D
Report Date: 02-Sep-2012 07:36

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
10 2,4,5-T					CAS #: 93-76-5			
11.289	11.285	0.004	4887521	0.04000	0.04592		(a)	
11 DINOSEB					CAS #: 88-85-7			
11.534	11.530	0.004	1854391	0.02400	0.02428		(a)	
12 2,4-DB					CAS #: 94-82-6			
11.669	11.665	0.004	2157989	0.16000	0.2052			

QC Flag Legend

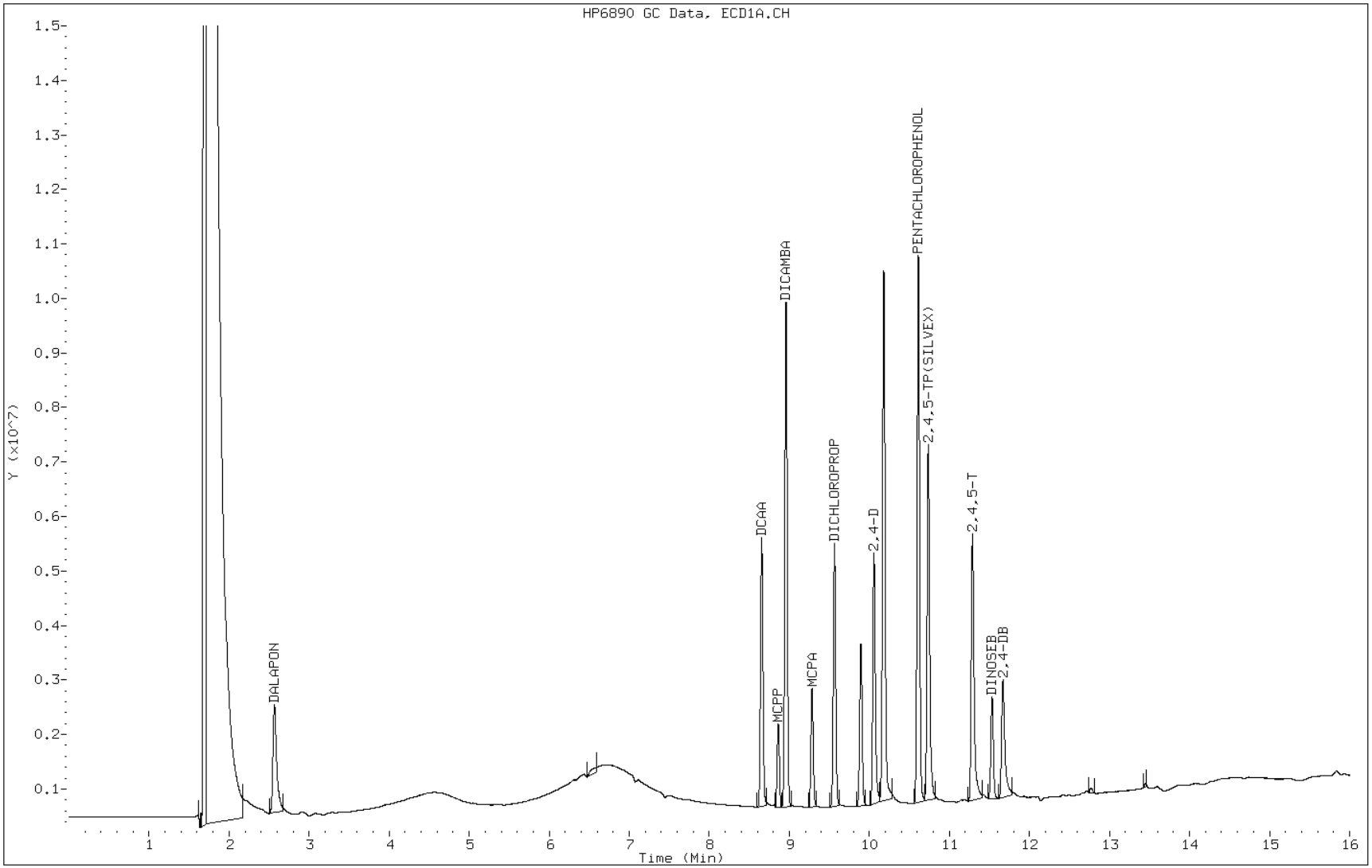
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: A0820861.D

Date: 31-AUG-2012 22:19

Client ID: Instrument: gc1.i

Sample Info: 08302A.B Operator: 402331



FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCVRT 180-47174/69 Calibration Date: 09/01/2012 03:15

Instrument ID: GC1 Calib Start Date: 08/24/2012 14:40

GC Column: RTX-1701 ID: 0.53(mm) Calib End Date: 08/24/2012 16:21

Lab File ID: B0820874.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	75350461	73820125		0.0784	0.0800	-2.0	15.0
Dicamba	Ave	254786853	270731063		0.0850	0.0800	6.3	15.0
MCPP	Ave	202123	238720		18.9	16.0	18.1*	15.0
MCPA	Ave	276129	303255		17.6	16.0	9.8	15.0
Dichlorprop	Ave	57872035	61264106		0.169	0.160	5.9	15.0
2,4-D	Ave	48099274	54088894		0.180	0.160	12.5	15.0
Pentachlorophenol	Ave	921210600	1002753450		0.0218	0.0200	8.9	15.0
Silvex (2,4,5-TP)	Ave	289863028	313328725		0.0432	0.0400	8.1	15.0
2,4,5-T	Ave	172134538	192424550		0.0447	0.0400	11.8	15.0
2,4-DB	Ave	61540609	69723688		0.181	0.160	13.3	15.0
Dinoseb	Ave	133478271	137632667		0.0247	0.0240	3.1	15.0
2,4-Dichlorophenylacetic acid	Ave	58230830	61251581		0.168	0.160	5.2	15.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCVRT 180-47174/69 Calibration Date: 09/01/2012 03:15

Instrument ID: GC1 Calib Start Date: 08/24/2012 14:40

GC Column: RTX-1701 ID: 0.53(mm) Calib End Date: 08/24/2012 16:21

Lab File ID: B0820874.D

Analyte	RT	RT WINDOW	
		TO	FROM
Dalapon	2.77	2.73	2.79
Dicamba	8.89	8.86	8.92
MCPP	9.04	9.01	9.07
MCPA	9.35	9.32	9.38
Dichlorprop	9.71	9.68	9.74
2,4-D	10.11	10.08	10.14
Pentachlorophenol	10.35	10.32	10.38
Silvex (2,4,5-TP)	10.88	10.85	10.91
2,4,5-T	11.33	11.30	11.36
2,4-DB	11.77	11.74	11.80
Dinoseb	12.41	12.38	12.44
2,4-Dichlorophenylacetic acid	8.63	8.60	8.66

Data File: \\PITSVR06\D\chem\gc1.i\08302B.b\B0820874.D
Report Date: 02-Sep-2012 07:58

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc1.i\08302B.b\B0820874.D
Lab Smp Id: CCVRT 358306
Inj Date : 01-SEP-2012 03:15
Operator : 402331 Inst ID: gc1.i
Smp Info : 08312B.B
Misc Info : CCVRT 358306
Comment :
Method : \\PITSVR06\D\chem\gc1.i\08302B.b\Therbb.m
Meth Date : 02-Sep-2012 07:58 oravecj Quant Type: ESTD
Cal Date : 24-AUG-2012 16:21 Cal File: B0820573.D
Als bottle: 45 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-113

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

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
1 DALAPON						CAS #: 75-99-0		
2.768	2.758	0.010	5905610	0.08000	0.07838			
$ 2 DCAA						CAS #: 19719-28-9		
8.626	8.625	0.001	9800253	0.16000	0.1683			
3 DICAMBA						CAS #: 1918-00-9		
8.894	8.894	0.000	21658485	0.08000	0.08501			
4 MCPP						CAS #: 7085-19-0		
9.040	9.040	0.000	3819520	16.0000	18.90			
5 MCPA						CAS #: 94-74-6		
9.346	9.347	-0.001	4852086	16.0000	17.57			
6 DICHLOROPROP						CAS #: 120-36-5		
9.711	9.712	-0.001	9802257	0.16000	0.1694			
7 2,4-D						CAS #: 94-75-7		
10.107	10.107	0.000	8654223	0.16000	0.1799			
8 PENTACHLOROPHENOL						CAS #: 87-86-5		
10.352	10.352	0.000	20055069	0.02000	0.02177		(a)	
9 2,4,5-TP(SILVEX)						CAS #: 93-72-1		
10.881	10.880	0.001	12533149	0.04000	0.04324		(a)	

Data File: \\PITSVR06\D\chem\gc1.i\08302B.b\B0820874.D
Report Date: 02-Sep-2012 07:58

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
10 2,4,5-T					CAS #: 93-76-5			
11.334	11.334	0.000	7696982	0.04000	0.04471			(a)
11 2,4-DB					CAS #: 94-82-6			
11.766	11.766	0.000	11155790	0.16000	0.1813			
12 DINOSEB					CAS #: 88-85-7			
12.408	12.409	-0.001	3303184	0.02400	0.02475			(a)

QC Flag Legend

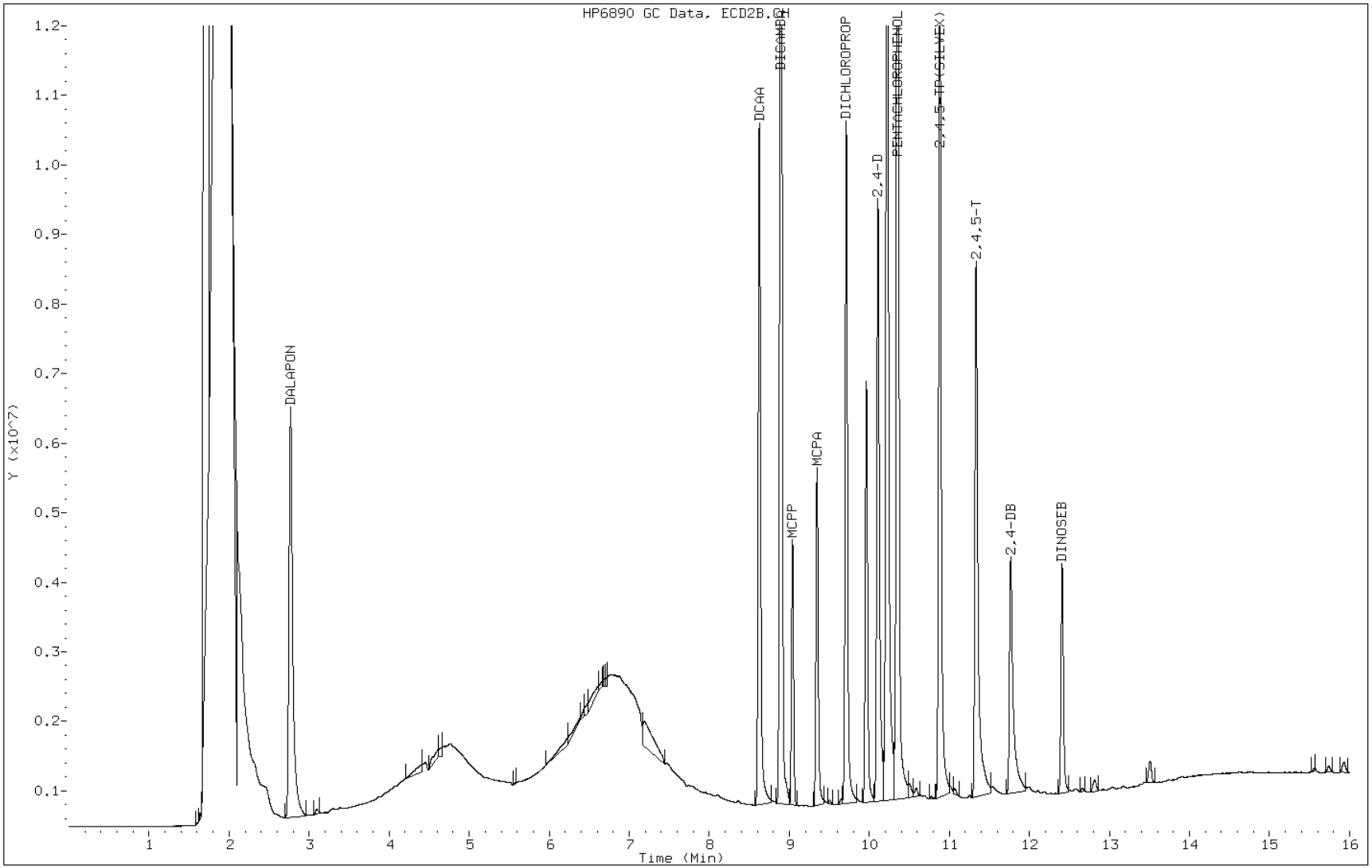
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: B0820874.D

Date: 01-SEP-2012 03:15

Client ID: Instrument: gc1.i

Sample Info: 08312B.B Operator: 402331



FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCV 180-47167/72 Calibration Date: 09/01/2012 03:39

Instrument ID: GC1 Calib Start Date: 08/24/2012 15:05

GC Column: RTX-50 ID: 0.53(mm) Calib End Date: 08/24/2012 16:48

Lab File ID: A0820874.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	23464303	24513613		0.0836	0.0800	4.5	15.0
MCPP	Ave	86376	101413		18.8	16.0	17.4*	15.0
Dicamba	Ave	123214006	122834900		0.0798	0.0800	-0.3	15.0
MCPA	Ave	127765	143204		17.9	16.0	12.1	15.0
Dichlorprop	Ave	31129793	32157575		0.165	0.160	3.3	15.0
2,4-D	Ave	27222899	31275981		0.184	0.160	14.9	15.0
Pentachlorophenol	Ave	526052980	547841800		0.0208	0.0200	4.1	15.0
Silvex (2,4,5-TP)	Ave	160141843	173128875		0.0432	0.0400	8.1	15.0
2,4,5-T	Ave	106431243	126345050		0.0475	0.0400	18.7*	15.0
Dinoseb	Ave	76385900	80806625		0.0254	0.0240	5.8	15.0
2,4-DB	Ave	10514936	13118019		0.200	0.160	24.8*	15.0
2,4-Dichlorophenylacetic acid	Ave	31950603	31965319		0.160	0.160	0.0	15.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: CCV 180-47167/72 Calibration Date: 09/01/2012 03:39

Instrument ID: GC1 Calib Start Date: 08/24/2012 15:05

GC Column: RTX-50 ID: 0.53(mm) Calib End Date: 08/24/2012 16:48

Lab File ID: A0820874.D

Analyte	RT	RT WINDOW	
		TO	FROM
Dalapon	2.57	2.53	2.59
MCPP	8.86	8.83	8.89
Dicamba	8.96	8.93	8.99
MCPA	9.29	9.25	9.31
Dichlorprop	9.57	9.53	9.59
2,4-D	10.06	10.02	10.08
Pentachlorophenol	10.61	10.58	10.64
Silvex (2,4,5-TP)	10.74	10.70	10.76
2,4,5-T	11.29	11.26	11.32
Dinoseb	11.53	11.50	11.56
2,4-DB	11.67	11.64	11.70
2,4-Dichlorophenylacetic acid	8.66	8.62	8.68

Data File: \\PITSVR06\D\chem\gc1.i\08302A.b\A0820874.D
Report Date: 02-Sep-2012 07:43

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc1.i\08302A.b\A0820874.D
Lab Smp Id: CCV 358306
Inj Date : 01-SEP-2012 03:39
Operator : 402331 Inst ID: gc1.i
Smp Info : 08312A.B
Misc Info : CCV 358306
Comment :
Method : \\PITSVR06\D\chem\gc1.i\08302A.b\Therba.m
Meth Date : 02-Sep-2012 07:43 gc1.i Quant Type: ESTD
Cal Date : 24-AUG-2012 16:48 Cal File: A0820573.D
Als bottle: 45 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-113

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

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
1 DALAPON						CAS #: 75-99-0		
2.567	2.560	0.007	1961089	0.08000	0.08358			
$ 2 DCAA						CAS #: 19719-28-9		
8.656	8.651	0.005	5114451	0.16000	0.1601			
3 MCPP						CAS #: 7085-19-0		
8.862	8.857	0.005	1622605	16.0000	18.78			
4 DICAMBA						CAS #: 1918-00-9		
8.959	8.955	0.004	9826792	0.08000	0.07975			
5 MCPA						CAS #: 94-74-6		
9.285	9.280	0.005	2291265	16.0000	17.93			
6 DICHLOROPROP						CAS #: 120-36-5		
9.565	9.560	0.005	5145212	0.16000	0.1653			
7 2,4-D						CAS #: 94-75-7		
10.059	10.054	0.005	5004157	0.16000	0.1838			
8 PENTACHLOROPHENOL						CAS #: 87-86-5		
10.613	10.608	0.005	10956836	0.02000	0.02083			(a)
9 2,4,5-TP(SILVEX)						CAS #: 93-72-1		
10.737	10.733	0.004	6925155	0.04000	0.04324			(a)

Data File: \\PITSVR06\D\chem\gc1.i\08302A.b\A0820874.D
Report Date: 02-Sep-2012 07:43

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
10 2,4,5-T					CAS #: 93-76-5			
11.289	11.285	0.004	5053802	0.04000	0.04748		(a)	
11 DINOSEB					CAS #: 88-85-7			
11.534	11.530	0.004	1939359	0.02400	0.02539		(a)	
12 2,4-DB					CAS #: 94-82-6			
11.669	11.665	0.004	2098883	0.16000	0.1996			

QC Flag Legend

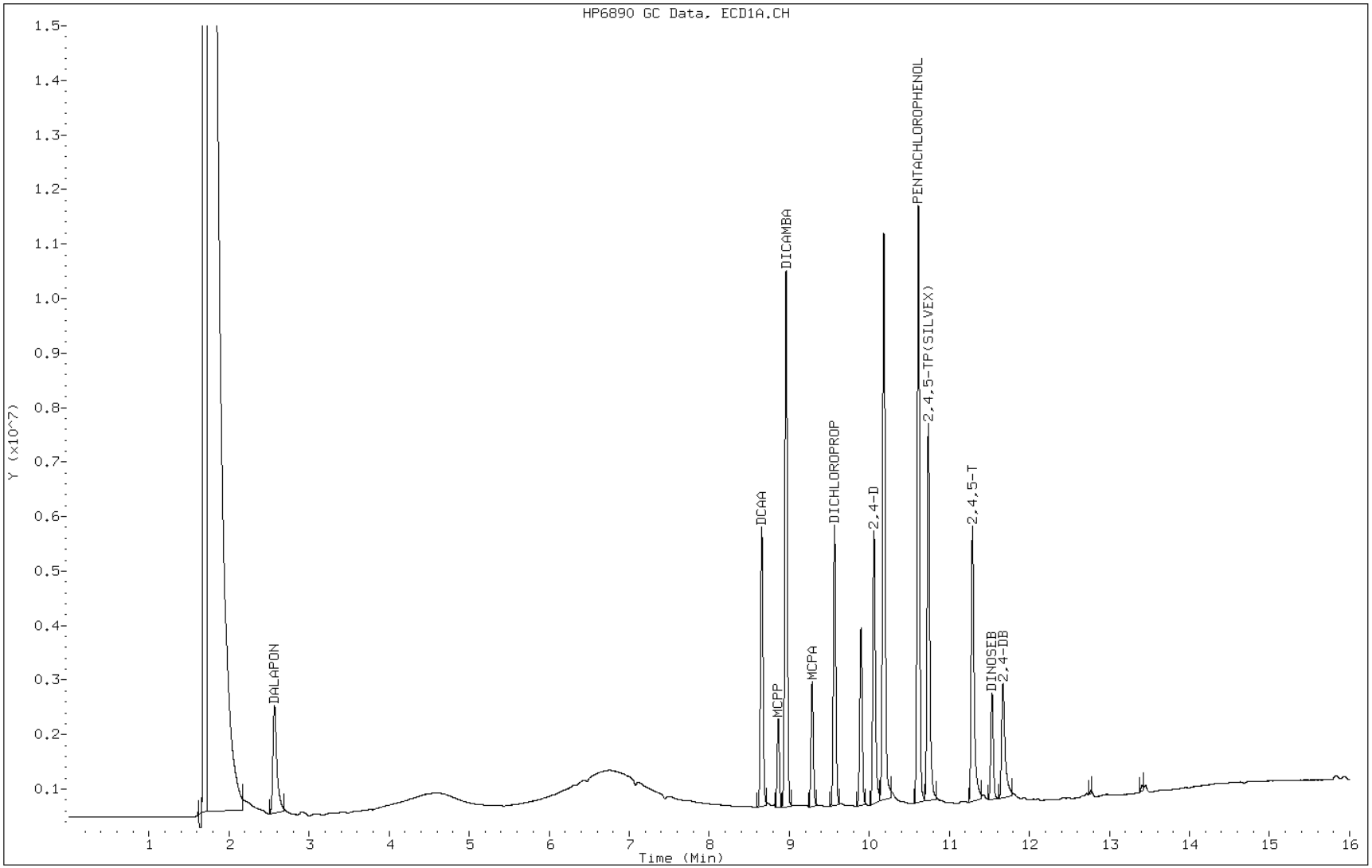
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: A0820874.D

Date: 01-SEP-2012 03:39

Client ID: Instrument: gc1.i

Sample Info: 08312A.B Operator: 402331



FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 180-45828/1-A
Matrix: Water
Lab File ID: B0820860.D
Analysis Method: 8151A
Date Collected:
Extraction Method: 8151A
Date Extracted: 08/21/2012 16:00
Sample wt/vol: 1000(mL)
Date Analyzed: 08/31/2012 21:30
Con. Extract Vol.: 10.0(mL)
Dilution Factor: 20
Injection Volume: 1(uL)
GC Column: RTX-1701 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 47174
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	72		32-140

Data File: \\PITSVR06\D\chem\gc1.i\08302B.b\B0820860.D
Report Date: 02-Sep-2012 07:57

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc1.i\08302B.b\B0820860.D
Lab Smp Id: MB 180-45828/1-A
Inj Date : 31-AUG-2012 21:30
Operator : 402331 Inst ID: gc1.i
Smp Info : 08302B.B
Misc Info : MB 180-45828/1-A
Comment :
Method : \\PITSVR06\D\chem\gc1.i\08302B.b\Therbb.m
Meth Date : 02-Sep-2012 07:57 oravecj Quant Type: ESTD
Cal Date : 24-AUG-2012 16:21 Cal File: B0820573.D
Als bottle: 31
Dil Factor: 20.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-113

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

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (mg/L)	TARGET RANGE	RATIO	REVIEW CODE
1 DALAPON					CAS #: 75-99-0			
2.751	2.758	-0.007	46605	6e-004	0.01237			(a)
$ 2 DCAA					CAS #: 19719-28-9			
8.626	8.625	0.001	2108108	0.03620	0.03620			(a)
3 DICAMBA					CAS #: 1918-00-9			

Peaks not detected for Quant. or Qual. signal(s).

4 MCPP CAS #: 7085-19-0

Peaks not detected for Quant. or Qual. signal(s).

5 MCPA CAS #: 94-74-6

Peaks not detected for Quant. or Qual. signal(s).

6 DICHLOROPROP CAS #: 120-36-5

Peaks not detected for Quant. or Qual. signal(s).

Data File: \\PITSVR06\D\chem\gc1.i\08302B.b\B0820860.D
Report Date: 02-Sep-2012 07:57

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (mg/L)	TARGET RANGE	RATIO	REVIEW CODE

7 2,4-D CAS #: 94-75-7

Peaks not detected for Quant. or Qual. signal(s).

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8 PENTACHLOROPHENOL CAS #: 87-86-5

Peaks not detected for Quant. or Qual. signal(s).

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9 2,4,5-TP(SILVEX) CAS #: 93-72-1

Peaks not detected for Quant. or Qual. signal(s).

---

10 2,4,5-T CAS #: 93-76-5

Peaks not detected for Quant. or Qual. signal(s).

---

11 2,4-DB CAS #: 94-82-6

Peaks not detected for Quant. or Qual. signal(s).

---

12 DINOSEB CAS #: 88-85-7

Peaks not detected for Quant. or Qual. signal(s).

QC Flag Legend

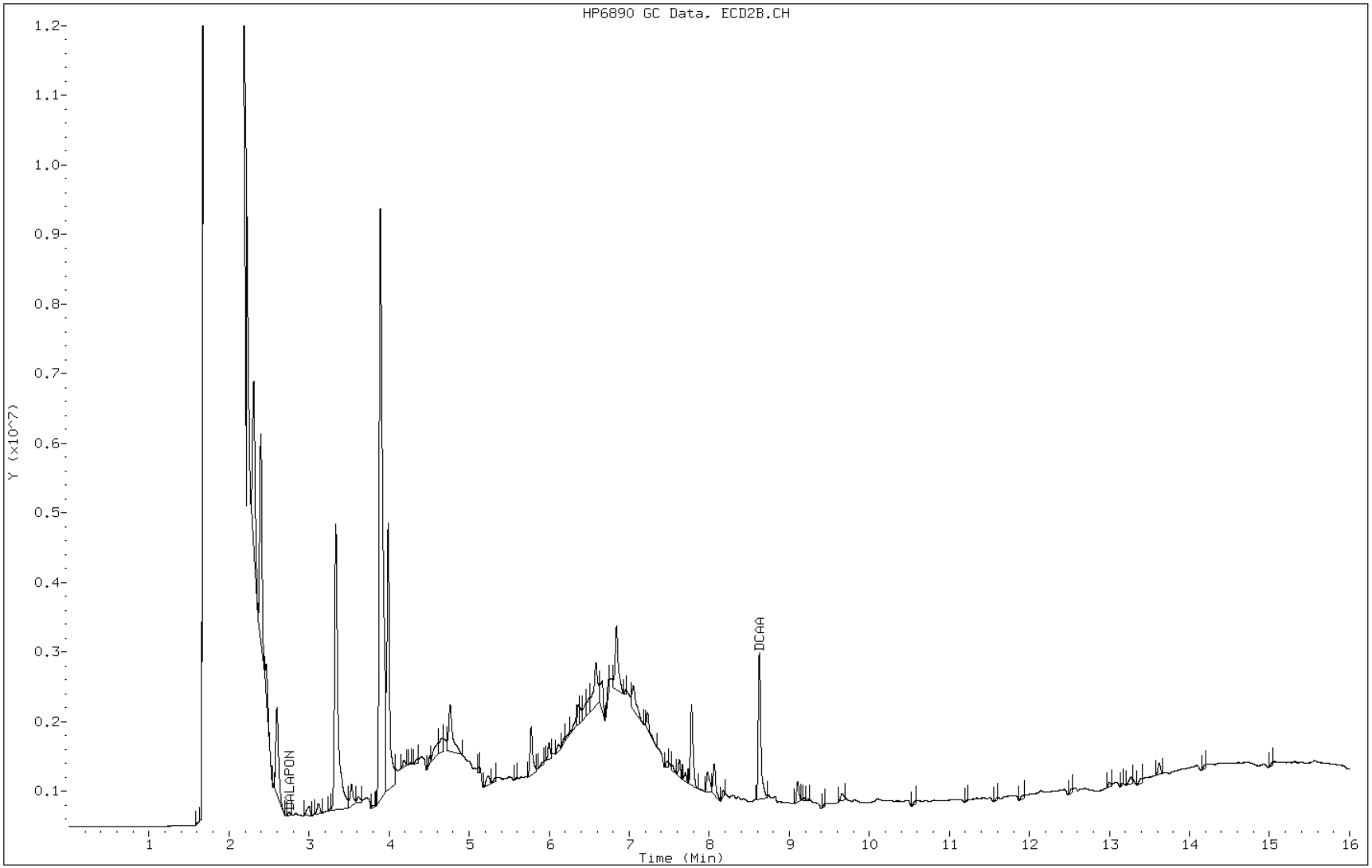
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: B0820860.D

Date: 31-AUG-2012 21:30

Client ID: Instrument: gc1.i

Sample Info: 08302B.B Operator: 402331



FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 180-45828/1-A
Matrix: Water
Lab File ID: A0820860.D
Analysis Method: 8151A
Date Collected:
Extraction Method: 8151A
Date Extracted: 08/21/2012 16:00
Sample wt/vol: 1000(mL)
Date Analyzed: 08/31/2012 21:55
Con. Extract Vol.: 10.0(mL)
Dilution Factor: 20
Injection Volume: 1(uL)
GC Column: RTX-50 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 47167
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	ND		4.0	0.45
93-76-5	2,4,5-T	ND		1.0	0.097
93-72-1	Silvex (2,4,5-TP)	ND		1.0	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	73		32-140

Data File: \\PITSVR06\D\chem\gc1.i\08302A.b\A0820860.D
Report Date: 02-Sep-2012 07:36

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc1.i\08302A.b\A0820860.D
Lab Smp Id: MB 180-45828/1-A
Inj Date : 31-AUG-2012 21:55
Operator : 402331 Inst ID: gc1.i
Smp Info : 08302A.B
Misc Info : MB 180-45828/1-A
Comment :
Method : \\PITSVR06\D\chem\gc1.i\08302A.b\Therba.m
Meth Date : 02-Sep-2012 07:36 gc1.i Quant Type: ESTD
Cal Date : 24-AUG-2012 16:48 Cal File: A0820573.D
Als bottle: 31
Dil Factor: 20.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-113

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

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (mg/L)	TARGET RANGE	RATIO	REVIEW CODE

1 DALAPON CAS #: 75-99-0

Peaks not detected for Quant. or Qual. signal(s).

$ 2 DCAA CAS #: 19719-28-9

8.655	8.651	0.004	1160478	0.03632	0.03632			(a)

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3 MCPP CAS #: 7085-19-0

Peaks not detected for Quant. or Qual. signal(s).

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4 DICAMBA CAS #: 1918-00-9

Peaks not detected for Quant. or Qual. signal(s).

---

5 MCPA CAS #: 94-74-6

Peaks not detected for Quant. or Qual. signal(s).

---

6 DICHLOROPROP CAS #: 120-36-5

Peaks not detected for Quant. or Qual. signal(s).

Data File: \\PITSVR06\D\chem\gc1.i\08302A.b\A0820860.D
Report Date: 02-Sep-2012 07:36

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (mg/L)	TARGET RANGE	RATIO	REVIEW CODE

7 2,4-D CAS #: 94-75-7

Peaks not detected for Quant. or Qual. signal(s).

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8 PENTACHLOROPHENOL CAS #: 87-86-5

Peaks not detected for Quant. or Qual. signal(s).

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9 2,4,5-TP(SILVEX) CAS #: 93-72-1

Peaks not detected for Quant. or Qual. signal(s).

---

10 2,4,5-T CAS #: 93-76-5

Peaks not detected for Quant. or Qual. signal(s).

---

11 DINOSEB CAS #: 88-85-7

Peaks not detected for Quant. or Qual. signal(s).

---

12 2,4-DB CAS #: 94-82-6

Peaks not detected for Quant. or Qual. signal(s).

QC Flag Legend

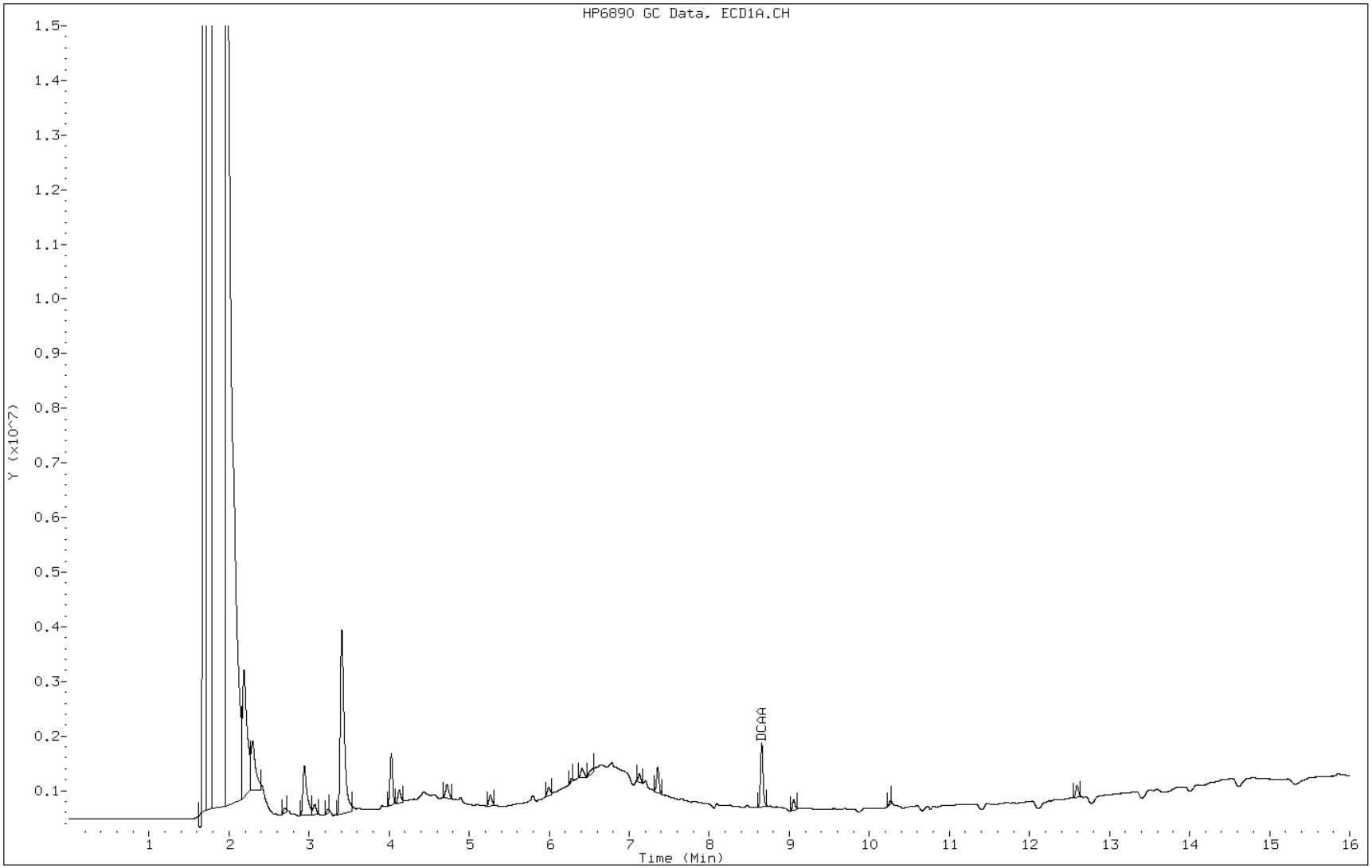
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: A0820860.D

Date: 31-AUG-2012 21:55

Client ID: Instrument: gc1.i

Sample Info: 08302A.B Operator: 402331



FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 180-45828/2-A
Matrix: Water
Lab File ID: B0820862.D
Analysis Method: 8151A
Date Collected:
Extraction Method: 8151A
Date Extracted: 08/21/2012 16:00
Sample wt/vol: 1000(mL)
Date Analyzed: 08/31/2012 22:19
Con. Extract Vol.: 10.0(mL)
Dilution Factor: 20
Injection Volume: 1(uL)
GC Column: RTX-1701 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 47174
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	10.4		4.0	0.45

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	77		32-140

Data File: \\PITSVR06\D\chem\gc1.i\08302B.b\B0820862.D
Report Date: 02-Sep-2012 07:57

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc1.i\08302B.b\B0820862.D
Lab Smp Id: LCS 180-45828/2-A
Inj Date : 31-AUG-2012 22:19
Operator : 402331 Inst ID: gc1.i
Smp Info : 08302B.B
Misc Info : LCS 180-45828/2-A
Comment :
Method : \\PITSVR06\D\chem\gc1.i\08302B.b\Therbb.m
Meth Date : 02-Sep-2012 07:57 oravecj Quant Type: ESTD
Cal Date : 24-AUG-2012 16:21 Cal File: B0820573.D
Als bottle: 33
Dil Factor: 20.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-113

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

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (mg/L)	TARGET RANGE	RATIO	REVIEW CODE
1 DALAPON					CAS #: 75-99-0			
2.769	2.758	0.011	1591281	0.02112	0.4224			(a)
$ 2 DCAA					CAS #: 19719-28-9			
8.629	8.625	0.004	2248736	0.03862	0.03862			(a)
3 DICAMBA					CAS #: 1918-00-9			
8.896	8.894	0.002	8366864	0.03284	0.6568			(a)
4 MCPP					CAS #: 7085-19-0			
9.043	9.040	0.003	1151279	5.69593	113.9			
5 MCPA					CAS #: 94-74-6			
9.346	9.347	-0.001	1610981	5.83416	116.7			
6 DICHLOROPROP					CAS #: 120-36-5			
9.714	9.712	0.002	3277648	0.05664	1.133			
7 2,4-D					CAS #: 94-75-7			
10.109	10.107	0.002	2504229	0.05206	1.041			
8 PENTACHLOROPHENOL					CAS #: 87-86-5			
10.354	10.352	0.002	7550900	0.00820	0.1639			(a)
9 2,4,5-TP(SILVEX)					CAS #: 93-72-1			
10.882	10.880	0.002	4049935	0.01397	0.2794			(a)

Data File: \\PITSVR06\D\chem\gc1.i\08302B.b\B0820862.D
Report Date: 02-Sep-2012 07:57

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (mg/L)	TARGET RANGE	RATIO	REVIEW CODE
10 2,4,5-T					CAS #: 93-76-5			
11.335	11.334	0.001	2415214	0.01403	0.2806		(a)	
11 2,4-DB					CAS #: 94-82-6			
11.765	11.766	-0.001	3828053	0.06220	1.244			
12 DINOSEB					CAS #: 88-85-7			
12.434	12.409	0.025	996935	0.00747	0.1494		(a)	

QC Flag Legend

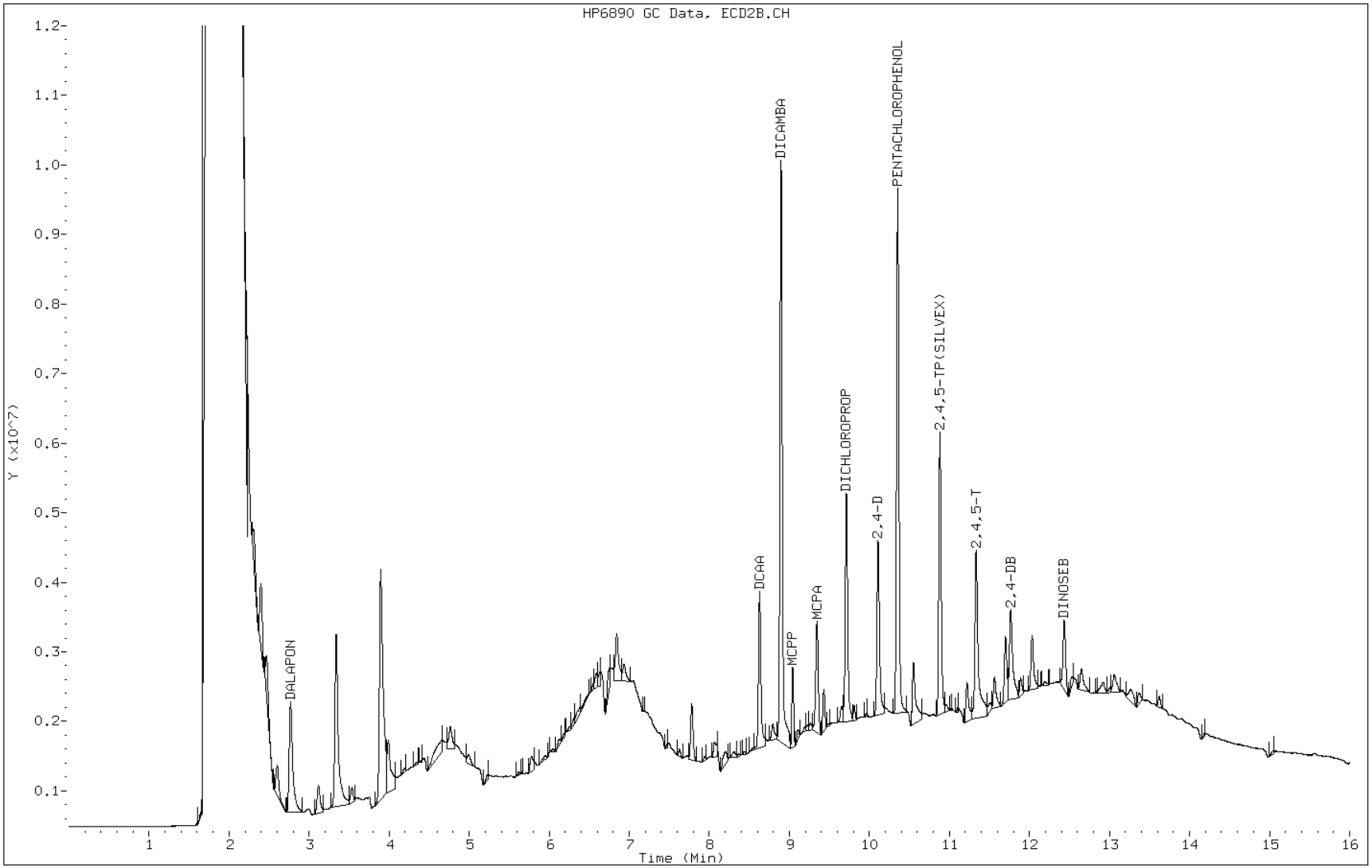
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: B0820862.D

Date: 31-AUG-2012 22:19

Client ID: Instrument: gc1.i

Sample Info: 08302B.B Operator: 402331



FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 180-45828/2-A
Matrix: Water
Lab File ID: A0820862.D
Analysis Method: 8151A
Date Collected:
Extraction Method: 8151A
Date Extracted: 08/21/2012 16:00
Sample wt/vol: 1000(mL)
Date Analyzed: 08/31/2012 22:44
Con. Extract Vol.: 10.0(mL)
Dilution Factor: 20
Injection Volume: 1(uL)
GC Column: RTX-50 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 47167
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
93-76-5	2,4,5-T	2.84		1.0	0.097
93-72-1	Silvex (2,4,5-TP)	3.04		1.0	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	80		32-140

Data File: \\PITSVR06\D\chem\gc1.i\08302A.b\A0820862.D
Report Date: 02-Sep-2012 07:36

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc1.i\08302A.b\A0820862.D
Lab Smp Id: LCS 180-45828/2-A
Inj Date : 31-AUG-2012 22:44
Operator : 402331 Inst ID: gc1.i
Smp Info : 08302A.B
Misc Info : LCS 180-45828/2-A
Comment :
Method : \\PITSVR06\D\chem\gc1.i\08302A.b\Therba.m
Meth Date : 02-Sep-2012 07:36 gc1.i Quant Type: ESTD
Cal Date : 24-AUG-2012 16:48 Cal File: A0820573.D
Als bottle: 33
Dil Factor: 20.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-113

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

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (mg/L)	TARGET RANGE	RATIO	REVIEW CODE
1 DALAPON					CAS #: 75-99-0			
2.572	2.560	0.012	503007	0.02144	0.4287			(a)
$ 2 DCAA					CAS #: 19719-28-9			
8.655	8.651	0.004	1283586	0.04017	0.04017			(a)
3 MCPP					CAS #: 7085-19-0			
8.861	8.857	0.004	560946	6.49426	129.9			
4 DICAMBA					CAS #: 1918-00-9			
8.958	8.955	0.003	4195683	0.03405	0.6810			(a)
5 MCPA					CAS #: 94-74-6			
9.289	9.280	0.009	795200	6.22392	124.5			
6 DICHLOROPROP					CAS #: 120-36-5			
9.565	9.560	0.005	1820580	0.05848	1.170			
7 2,4-D					CAS #: 94-75-7			
10.058	10.054	0.004	1259794	0.04628	0.9255			(a)
8 PENTACHLOROPHENOL					CAS #: 87-86-5			
10.610	10.608	0.002	4138563	0.00787	0.1573			(a)
9 2,4,5-TP(SILVEX)					CAS #: 93-72-1			
10.736	10.733	0.003	2433844	0.01520	0.3040			(a)

Data File: \\PITSVR06\D\chem\gc1.i\08302A.b\A0820862.D
Report Date: 02-Sep-2012 07:36

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (mg/L)	TARGET RANGE	RATIO	REVIEW CODE
10 2,4,5-T					CAS #: 93-76-5			
11.288	11.285	0.003	1513354	0.01422	0.2844		(a)	
11 DINOSEB					CAS #: 88-85-7			
11.575	11.530	0.045	763338	0.00999	0.1999		(aM)	SP
12 2,4-DB					CAS #: 94-82-6			
11.668	11.665	0.003	858081	0.08161	1.632			

QC Flag Legend

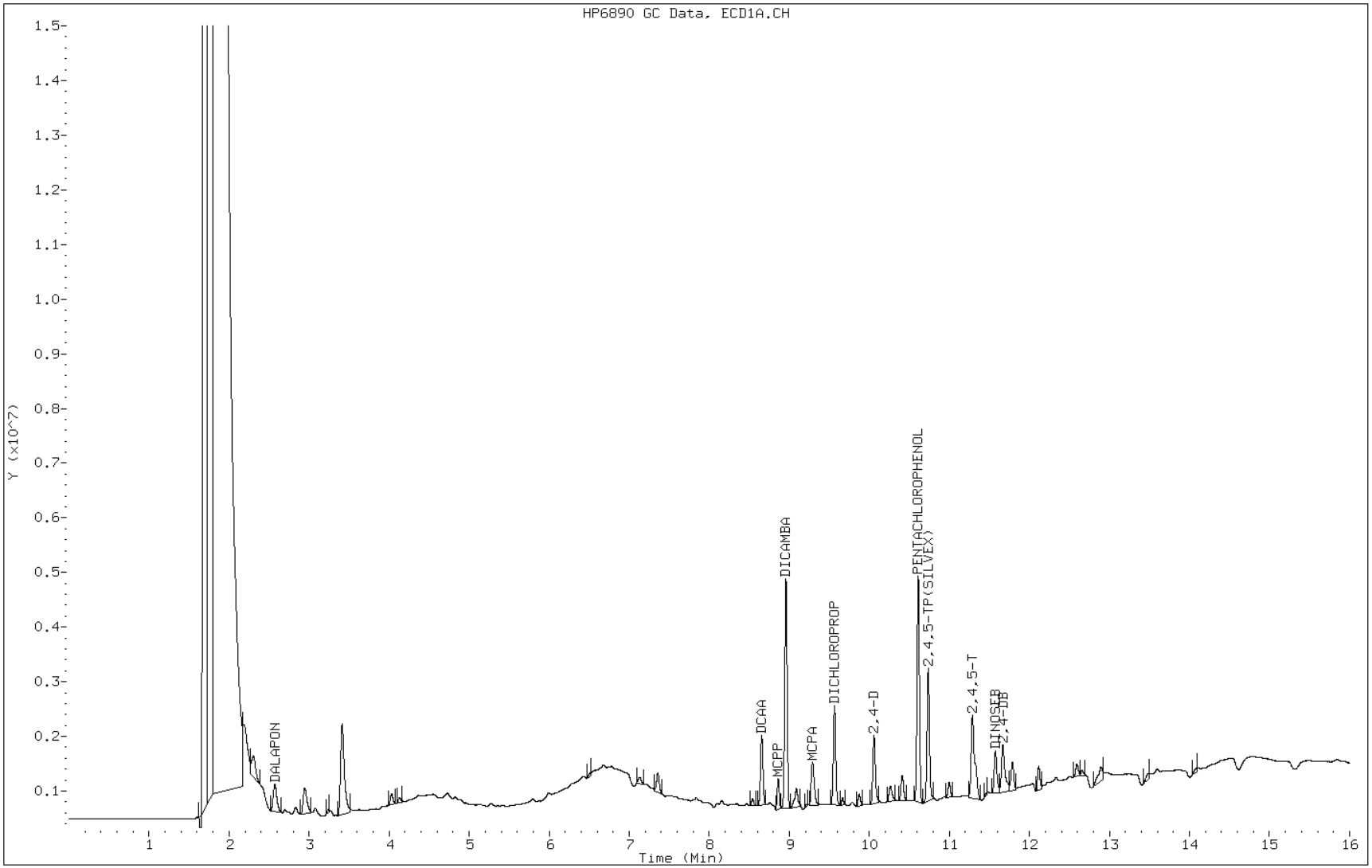
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: A0820862.D

Date: 31-AUG-2012 22:44

Client ID: Instrument: gc1.i

Sample Info: 08302A.B Operator: 402331



FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 180-45828/3-A
Matrix: Water
Lab File ID: B0820863.D
Analysis Method: 8151A
Date Collected:
Extraction Method: 8151A
Date Extracted: 08/21/2012 16:00
Sample wt/vol: 1000(mL)
Date Analyzed: 08/31/2012 22:44
Con. Extract Vol.: 10.0(mL)
Dilution Factor: 20
Injection Volume: 1(uL)
GC Column: RTX-1701 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 47174
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	12.9		4.0	0.45

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	74		32-140

Data File: \\PITSVR06\D\chem\gc1.i\08302B.b\B0820863.D
Report Date: 02-Sep-2012 07:57

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc1.i\08302B.b\B0820863.D
Lab Smp Id: LCSD 180-45828/3-A
Inj Date : 31-AUG-2012 22:44
Operator : 402331 Inst ID: gc1.i
Smp Info : 08302B.B
Misc Info : LCSD 180-45828/3-A
Comment :
Method : \\PITSVR06\D\chem\gc1.i\08302B.b\Therbb.m
Meth Date : 02-Sep-2012 07:57 oravecj Quant Type: ESTD
Cal Date : 24-AUG-2012 16:21 Cal File: B0820573.D
Als bottle: 34
Dil Factor: 20.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-113

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

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (mg/L)	TARGET RANGE	RATIO	REVIEW CODE
1 DALAPON					CAS #: 75-99-0			
2.767	2.758	0.009	989649	0.01313	0.2627			(a)
$ 2 DCAA					CAS #: 19719-28-9			
8.626	8.625	0.001	2160644	0.03710	0.03710			(a)
3 DICAMBA					CAS #: 1918-00-9			
8.895	8.894	0.001	8496086	0.03335	0.6669			(a)
4 MCPP					CAS #: 7085-19-0			
9.041	9.040	0.001	888166	4.39418	87.88			
5 MCPA					CAS #: 94-74-6			
9.340	9.347	-0.007	1888917	6.84071	136.8			
6 DICHLOROPROP					CAS #: 120-36-5			
9.712	9.712	0.000	2457252	0.04246	0.8492			(a)
7 2,4-D					CAS #: 94-75-7			
10.105	10.107	-0.002	3113782	0.06474	1.295			
8 PENTACHLOROPHENOL					CAS #: 87-86-5			
10.352	10.352	0.000	7674583	0.00833	0.1666			(a)
9 2,4,5-TP(SILVEX)					CAS #: 93-72-1			
10.880	10.880	0.000	2925363	0.01009	0.2018			(a)

Data File: \\PITSVR06\D\chem\gc1.i\08302B.b\B0820863.D
Report Date: 02-Sep-2012 07:57

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (mg/L)	TARGET RANGE	RATIO	REVIEW CODE
10 2,4,5-T					CAS #: 93-76-5			
11.333	11.334	-0.001	1597112	0.00928	0.1856		(a)	
11 2,4-DB					CAS #: 94-82-6			
11.765	11.766	-0.001	4040120	0.06565	1.313			
12 DINOSEB					CAS #: 88-85-7			
12.433	12.409	0.024	829791	0.00622	0.1243		(a)	

QC Flag Legend

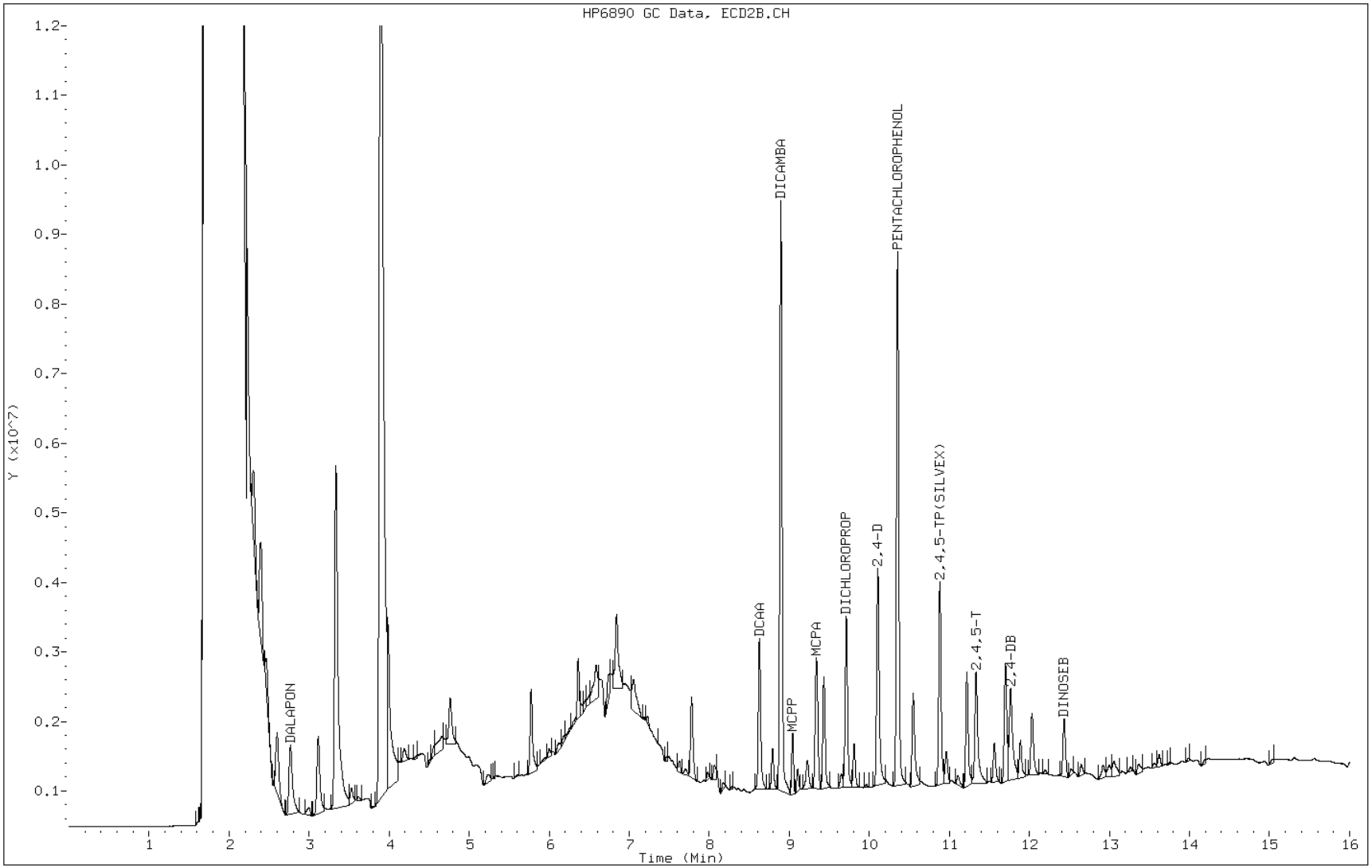
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: B0820863.D

Date: 31-AUG-2012 22:44

Client ID: Instrument: gc1.i

Sample Info: 08302B.B Operator: 402331



FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCSD 180-45828/3-A
Matrix: Water
Lab File ID: A0820863.D
Analysis Method: 8151A
Date Collected:
Extraction Method: 8151A
Date Extracted: 08/21/2012 16:00
Sample wt/vol: 1000(mL)
Date Analyzed: 08/31/2012 23:09
Con. Extract Vol.: 10.0(mL)
Dilution Factor: 20
Injection Volume: 1(uL)
GC Column: RTX-50 ID: 0.53(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 47167
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
93-76-5	2,4,5-T	1.89		1.0	0.097
93-72-1	Silvex (2,4,5-TP)	1.95		1.0	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	70		32-140

Data File: \\PITSVR06\D\chem\gc1.i\08302A.b\A0820863.D
Report Date: 02-Sep-2012 07:36

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc1.i\08302A.b\A0820863.D
Lab Smp Id: LCSD 180-45828/3-A
Inj Date : 31-AUG-2012 23:09
Operator : 402331 Inst ID: gc1.i
Smp Info : 08302A.B
Misc Info : LCSD 180-45828/3-A
Comment :
Method : \\PITSVR06\D\chem\gc1.i\08302A.b\Therba.m
Meth Date : 02-Sep-2012 07:36 gc1.i Quant Type: ESTD
Cal Date : 24-AUG-2012 16:48 Cal File: A0820573.D
Als bottle: 34
Dil Factor: 20.00000
Integrator: Falcon Compound Sublist: 1-all.sub
Target Version: 4.14
Processing Host: PITPC-113

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

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (mg/L)	TARGET RANGE	RATIO	REVIEW CODE
1 DALAPON					CAS #: 75-99-0			
2.568	2.560	0.008	294170	0.01254	0.2507			(a)
$ 2 DCAA					CAS #: 19719-28-9			
8.654	8.651	0.003	1114198	0.03487	0.03487			(a)
3 MCPP					CAS #: 7085-19-0			
8.860	8.857	0.003	382417	4.42737	88.55			
4 DICAMBA					CAS #: 1918-00-9			
8.957	8.955	0.002	3849697	0.03124	0.6249			(a)
5 MCPA					CAS #: 94-74-6			
9.298	9.280	0.018	895408	7.00823	140.2			
6 DICHLOROPROP					CAS #: 120-36-5			
9.563	9.560	0.003	1207006	0.03877	0.7755			(a)
7 2,4-D					CAS #: 94-75-7			
10.057	10.054	0.003	908356	0.03337	0.6673			(a)
8 PENTACHLOROPHENOL					CAS #: 87-86-5			
10.611	10.608	0.003	3814402	0.00725	0.1450			(a)
9 2,4,5-TP(SILVEX)					CAS #: 93-72-1			
10.736	10.733	0.003	1561769	0.00975	0.1950			(a)

Data File: \\PITSVR06\D\chem\gc1.i\08302A.b\A0820863.D
Report Date: 02-Sep-2012 07:36

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (mg/L)	TARGET RANGE	RATIO	REVIEW CODE
10 2,4,5-T					CAS #: 93-76-5			
11.288	11.285	0.003	1005182	0.00944	0.1889		(aM)	SP
11 DINOSEB					CAS #: 88-85-7			
11.575	11.530	0.045	1281347	0.01677	0.3355		(aM)	SP
12 2,4-DB					CAS #: 94-82-6			
11.667	11.665	0.002	779535	0.07414	1.483			

QC Flag Legend

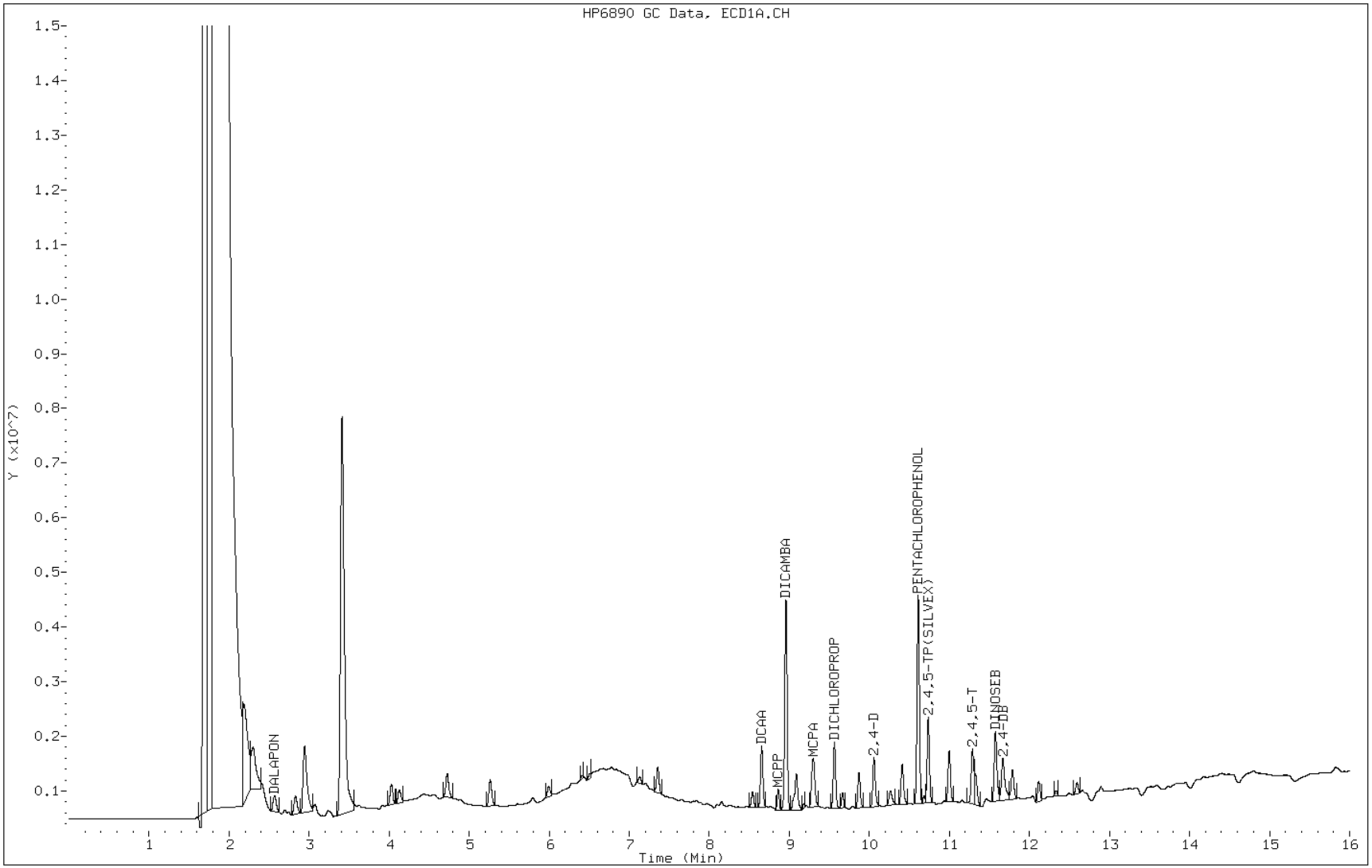
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: A0820863.D

Date: 31-AUG-2012 23:09

Client ID: Instrument: gc1.i

Sample Info: 08302A.B Operator: 402331



Manual Integration Report

Data File: A0820863.D
Inj. Date and Time: 31-AUG-2012 23:09
Instrument ID: gc1.i
Client ID:
Compound: 10 2,4,5-T
CAS #: 93-76-5
Report Date: 09/04/2012

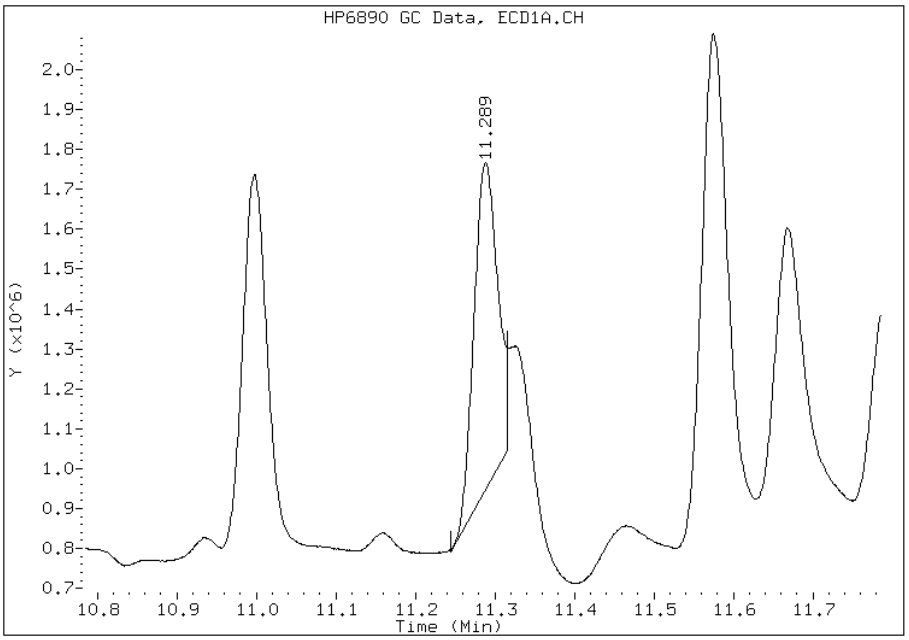
Processing Integration Results

RT: 11.29

Response: 820259

Amount: 0.01

Conc: 0.15



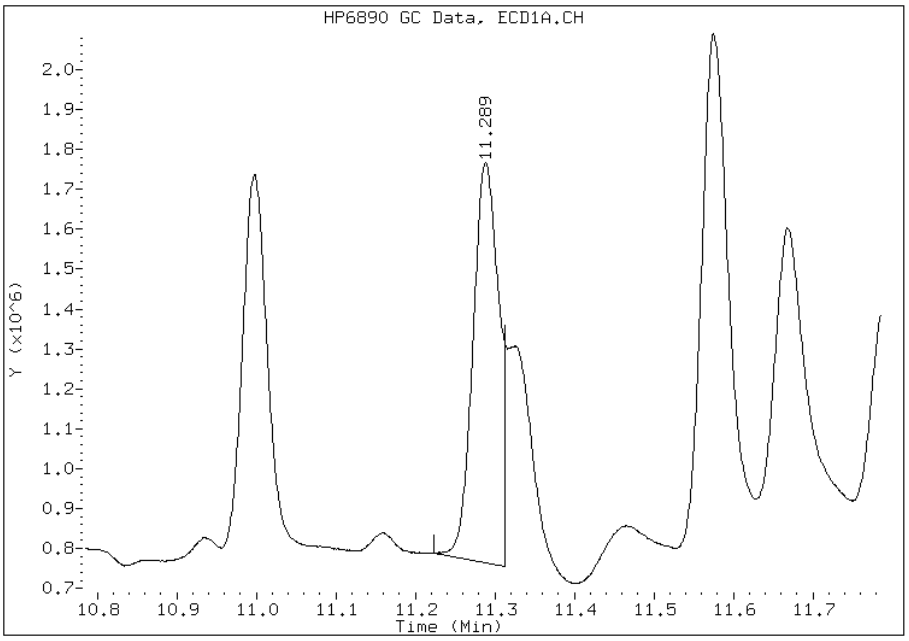
Manual Integration Results

RT: 11.29

Response: 1005182

Amount: 0.01

Conc: 0.19



Manually Integrated By: oravecj
Modification Date: 02-Sep-2012 07:34
Manual Integration Reason: Split Peak

HERBICIDES ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: GC1 Start Date: 08/24/2012 15:05

Analysis Batch Number: 46323 End Date: 08/25/2012 10:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 180-46323/1		08/24/2012 15:05	1	A0820569.D	RTX-50 0.53(mm)
IC 180-46323/2		08/24/2012 15:30	1	A0820570.D	RTX-50 0.53(mm)
ICRT 180-46323/3		08/24/2012 15:56	1	A0820571.D	RTX-50 0.53(mm)
IC 180-46323/4		08/24/2012 16:21	1	A0820572.D	RTX-50 0.53(mm)
IC 180-46323/5		08/24/2012 16:48	1	A0820573.D	RTX-50 0.53(mm)
ICV 180-46323/6		08/24/2012 17:14	1		RTX-50 0.53(mm)
ZZZZZ		08/24/2012 17:40	20		RTX-50 0.53(mm)
ZZZZZ		08/24/2012 18:06	20		RTX-50 0.53(mm)
ZZZZZ		08/24/2012 18:32	20		RTX-50 0.53(mm)
ZZZZZ		08/24/2012 18:56	20		RTX-50 0.53(mm)
ZZZZZ		08/24/2012 19:21	20		RTX-50 0.53(mm)
ZZZZZ		08/24/2012 19:46	20		RTX-50 0.53(mm)
ZZZZZ		08/24/2012 20:11	20		RTX-50 0.53(mm)
ZZZZZ		08/24/2012 20:36	20		RTX-50 0.53(mm)
ZZZZZ		08/24/2012 21:01	20		RTX-50 0.53(mm)
ZZZZZ		08/24/2012 21:25	20		RTX-50 0.53(mm)
CCV 180-46323/17		08/24/2012 21:50	1		RTX-50 0.53(mm)
ZZZZZ		08/24/2012 22:15	20		RTX-50 0.53(mm)
RINSE 180-46323/19		08/24/2012 22:39	1		RTX-50 0.53(mm)
ZZZZZ		08/24/2012 23:03	4		RTX-50 0.53(mm)
ZZZZZ		08/24/2012 23:28	20		RTX-50 0.53(mm)
ZZZZZ		08/24/2012 23:53	20		RTX-50 0.53(mm)
ZZZZZ		08/25/2012 00:17	20		RTX-50 0.53(mm)
ZZZZZ		08/25/2012 00:42	20		RTX-50 0.53(mm)
ZZZZZ		08/25/2012 01:06	20		RTX-50 0.53(mm)
ZZZZZ		08/25/2012 01:31	20		RTX-50 0.53(mm)
CCV 180-46323/27		08/25/2012 01:56	1		RTX-50 0.53(mm)
ZZZZZ		08/25/2012 02:20	20		RTX-50 0.53(mm)
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ZZZZZ		08/25/2012 03:34	20		RTX-50 0.53(mm)
ZZZZZ		08/25/2012 03:58	20		RTX-50 0.53(mm)
RINSE 180-46323/33		08/25/2012 04:23	1		RTX-50 0.53(mm)
ZZZZZ		08/25/2012 04:48	4		RTX-50 0.53(mm)
ZZZZZ		08/25/2012 05:12	20		RTX-50 0.53(mm)
ZZZZZ		08/25/2012 05:37	20		RTX-50 0.53(mm)
ZZZZZ		08/25/2012 06:01	20		RTX-50 0.53(mm)
ZZZZZ		08/25/2012 06:26	20		RTX-50 0.53(mm)
CCV 180-46323/39		08/25/2012 06:51	1		RTX-50 0.53(mm)
ZZZZZ		08/25/2012 07:15	20		RTX-50 0.53(mm)
ZZZZZ		08/25/2012 07:40	20		RTX-50 0.53(mm)
ZZZZZ		08/25/2012 08:04	20		RTX-50 0.53(mm)
ZZZZZ		08/25/2012 08:29	20		RTX-50 0.53(mm)
ZZZZZ		08/25/2012 08:54	20		RTX-50 0.53(mm)
ZZZZZ		08/25/2012 09:18	20		RTX-50 0.53(mm)

8151A

HERBICIDES ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: GC1 Start Date: 08/24/2012 15:05

Analysis Batch Number: 46323 End Date: 08/25/2012 10:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		08/25/2012 09:43	20		RTX-50 0.53(mm)
ZZZZZ		08/25/2012 10:08	20		RTX-50 0.53(mm)
ZZZZZ		08/25/2012 10:33	20		RTX-50 0.53(mm)
CCV 180-46323/49		08/25/2012 10:58	1		RTX-50 0.53(mm)

8151A

HERBICIDES ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: GC1 Start Date: 08/24/2012 14:40

Analysis Batch Number: 46371 End Date: 08/25/2012 10:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 180-46371/1		08/24/2012 14:40	1	B0820569.D	RTX-1701 0.53(mm)
IC 180-46371/2		08/24/2012 15:05	1	B0820570.D	RTX-1701 0.53(mm)
ICRT 180-46371/3		08/24/2012 15:30	1	B0820571.D	RTX-1701 0.53(mm)
IC 180-46371/4		08/24/2012 15:56	1	B0820572.D	RTX-1701 0.53(mm)
IC 180-46371/5		08/24/2012 16:21	1	B0820573.D	RTX-1701 0.53(mm)
ICV 180-46371/6		08/24/2012 16:48	1		RTX-1701 0.53(mm)
ZZZZZ		08/24/2012 17:14	20		RTX-1701 0.53(mm)
ZZZZZ		08/24/2012 17:40	20		RTX-1701 0.53(mm)
ZZZZZ		08/24/2012 18:06	20		RTX-1701 0.53(mm)
ZZZZZ		08/24/2012 18:32	20		RTX-1701 0.53(mm)
ZZZZZ		08/24/2012 18:56	20		RTX-1701 0.53(mm)
ZZZZZ		08/24/2012 19:21	20		RTX-1701 0.53(mm)
ZZZZZ		08/24/2012 19:46	20		RTX-1701 0.53(mm)
ZZZZZ		08/24/2012 20:11	20		RTX-1701 0.53(mm)
ZZZZZ		08/24/2012 20:36	20		RTX-1701 0.53(mm)
ZZZZZ		08/24/2012 21:01	20		RTX-1701 0.53(mm)
CCV 180-46371/17		08/24/2012 21:25	1		RTX-1701 0.53(mm)
ZZZZZ		08/24/2012 21:50	20		RTX-1701 0.53(mm)
RINSE 180-46371/19		08/24/2012 22:15	1		RTX-1701 0.53(mm)
ZZZZZ		08/24/2012 22:39	4		RTX-1701 0.53(mm)
ZZZZZ		08/24/2012 23:03	20		RTX-1701 0.53(mm)
ZZZZZ		08/24/2012 23:28	20		RTX-1701 0.53(mm)
ZZZZZ		08/24/2012 23:53	20		RTX-1701 0.53(mm)
ZZZZZ		08/25/2012 00:17	20		RTX-1701 0.53(mm)
ZZZZZ		08/25/2012 00:42	20		RTX-1701 0.53(mm)
ZZZZZ		08/25/2012 01:06	20		RTX-1701 0.53(mm)
CCV 180-46371/27		08/25/2012 01:31	1		RTX-1701 0.53(mm)
ZZZZZ		08/25/2012 01:56	20		RTX-1701 0.53(mm)
ZZZZZ		08/25/2012 02:20	20		RTX-1701 0.53(mm)
ZZZZZ		08/25/2012 02:45	20		RTX-1701 0.53(mm)
ZZZZZ		08/25/2012 03:09	20		RTX-1701 0.53(mm)
ZZZZZ		08/25/2012 03:34	20		RTX-1701 0.53(mm)
RINSE 180-46371/33		08/25/2012 03:58	1		RTX-1701 0.53(mm)
ZZZZZ		08/25/2012 04:23	4		RTX-1701 0.53(mm)
ZZZZZ		08/25/2012 04:48	20		RTX-1701 0.53(mm)
ZZZZZ		08/25/2012 05:12	20		RTX-1701 0.53(mm)
ZZZZZ		08/25/2012 05:37	20		RTX-1701 0.53(mm)
ZZZZZ		08/25/2012 06:01	20		RTX-1701 0.53(mm)
CCV 180-46371/39		08/25/2012 06:26	1		RTX-1701 0.53(mm)
ZZZZZ		08/25/2012 06:51	20		RTX-1701 0.53(mm)
ZZZZZ		08/25/2012 07:15	20		RTX-1701 0.53(mm)
ZZZZZ		08/25/2012 07:40	20		RTX-1701 0.53(mm)
ZZZZZ		08/25/2012 08:04	20		RTX-1701 0.53(mm)
ZZZZZ		08/25/2012 08:29	20		RTX-1701 0.53(mm)
ZZZZZ		08/25/2012 08:54	20		RTX-1701 0.53(mm)

8151A

HERBICIDES ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: GC1 Start Date: 08/24/2012 14:40

Analysis Batch Number: 46371 End Date: 08/25/2012 10:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		08/25/2012 09:18	20		RTX-1701 0.53(mm)
ZZZZZ		08/25/2012 09:43	20		RTX-1701 0.53(mm)
ZZZZZ		08/25/2012 10:08	20		RTX-1701 0.53(mm)
CCV 180-46371/49		08/25/2012 10:33	1		RTX-1701 0.53(mm)

8151A

HERBICIDES ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: GC1 Start Date: 08/30/2012 18:22

Analysis Batch Number: 47167 End Date: 09/01/2012 03:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 180-47167/1		08/30/2012 18:22	1	A0820795.D	RTX-50 0.53(mm)
ZZZZZ		08/30/2012 18:47	20		RTX-50 0.53(mm)
ZZZZZ		08/30/2012 19:13	20		RTX-50 0.53(mm)
ZZZZZ		08/30/2012 19:38	20		RTX-50 0.53(mm)
ZZZZZ		08/30/2012 20:03	20		RTX-50 0.53(mm)
ZZZZZ		08/30/2012 20:28	20		RTX-50 0.53(mm)
ZZZZZ		08/30/2012 20:53	20		RTX-50 0.53(mm)
ZZZZZ		08/30/2012 21:17	20		RTX-50 0.53(mm)
ZZZZZ		08/30/2012 21:42	20		RTX-50 0.53(mm)
ZZZZZ		08/30/2012 22:07	20		RTX-50 0.53(mm)
ZZZZZ		08/30/2012 22:31	20		RTX-50 0.53(mm)
CCV 180-47167/10		08/30/2012 22:56	1		RTX-50 0.53(mm)
ZZZZZ		08/30/2012 23:21	20		RTX-50 0.53(mm)
ZZZZZ		08/30/2012 23:45	20		RTX-50 0.53(mm)
ZZZZZ		08/31/2012 00:10	20		RTX-50 0.53(mm)
ZZZZZ		08/31/2012 00:35	20		RTX-50 0.53(mm)
ZZZZZ		08/31/2012 00:59	20		RTX-50 0.53(mm)
ZZZZZ		08/31/2012 01:24	20		RTX-50 0.53(mm)
ZZZZZ		08/31/2012 01:49	20		RTX-50 0.53(mm)
ZZZZZ		08/31/2012 02:13	20		RTX-50 0.53(mm)
ZZZZZ		08/31/2012 02:38	20		RTX-50 0.53(mm)
ZZZZZ		08/31/2012 03:02	20		RTX-50 0.53(mm)
CCV 180-47167/21		08/31/2012 03:27	1		RTX-50 0.53(mm)
ZZZZZ		08/31/2012 03:51	20		RTX-50 0.53(mm)
ZZZZZ		08/31/2012 04:16	20		RTX-50 0.53(mm)
ZZZZZ		08/31/2012 04:40	20		RTX-50 0.53(mm)
ZZZZZ		08/31/2012 05:05	20		RTX-50 0.53(mm)
ZZZZZ		08/31/2012 05:29	20		RTX-50 0.53(mm)
ZZZZZ		08/31/2012 05:54	20		RTX-50 0.53(mm)
ZZZZZ		08/31/2012 06:19	20		RTX-50 0.53(mm)
ZZZZZ		08/31/2012 06:43	20		RTX-50 0.53(mm)
ZZZZZ		08/31/2012 07:08	20		RTX-50 0.53(mm)
ZZZZZ		08/31/2012 07:33	20		RTX-50 0.53(mm)
CCV 180-47167/74		08/31/2012 07:57	1		RTX-50 0.53(mm)
ZZZZZ		08/31/2012 08:22	20		RTX-50 0.53(mm)
ZZZZZ		08/31/2012 08:47	20		RTX-50 0.53(mm)
ZZZZZ		08/31/2012 09:13	20		RTX-50 0.53(mm)
ZZZZZ		08/31/2012 09:39	20		RTX-50 0.53(mm)
ZZZZZ		08/31/2012 10:05	20		RTX-50 0.53(mm)
ZZZZZ		08/31/2012 10:31	20		RTX-50 0.53(mm)
ZZZZZ		08/31/2012 10:57	20		RTX-50 0.53(mm)
ZZZZZ		08/31/2012 11:24	20		RTX-50 0.53(mm)
ZZZZZ		08/31/2012 11:50	20		RTX-50 0.53(mm)
ZZZZZ		08/31/2012 12:17	20		RTX-50 0.53(mm)
CCV 180-47167/40		08/31/2012 12:44	1		RTX-50 0.53(mm)

8151A

HERBICIDES ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: GC1 Start Date: 08/30/2012 18:22

Analysis Batch Number: 47167 End Date: 09/01/2012 03:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		08/31/2012 13:11	20		RTX-50 0.53(mm)
ZZZZZ		08/31/2012 13:38	20		RTX-50 0.53(mm)
ZZZZZ		08/31/2012 14:05	20		RTX-50 0.53(mm)
ZZZZZ		08/31/2012 14:32	20		RTX-50 0.53(mm)
ZZZZZ		08/31/2012 14:59	20		RTX-50 0.53(mm)
ZZZZZ		08/31/2012 15:26	20		RTX-50 0.53(mm)
ZZZZZ		08/31/2012 15:53	20		RTX-50 0.53(mm)
ZZZZZ		08/31/2012 16:20	20		RTX-50 0.53(mm)
ZZZZZ		08/31/2012 16:47	20		RTX-50 0.53(mm)
ZZZZZ		08/31/2012 17:14	20		RTX-50 0.53(mm)
CCV 180-47167/50		08/31/2012 17:40	1	A0820850.D	RTX-50 0.53(mm)
ZZZZZ		08/31/2012 18:07	20		RTX-50 0.53(mm)
ZZZZZ		08/31/2012 18:33	20		RTX-50 0.53(mm)
ZZZZZ		08/31/2012 18:59	20		RTX-50 0.53(mm)
ZZZZZ		08/31/2012 19:24	20		RTX-50 0.53(mm)
180-13537-2	MW-101	08/31/2012 19:50	20	A0820855.D	RTX-50 0.53(mm)
180-13537-3	MW-107	08/31/2012 20:15	20	A0820856.D	RTX-50 0.53(mm)
180-13537-4	MW-113	08/31/2012 20:40	20	A0820857.D	RTX-50 0.53(mm)
180-13537-5	MW-110	08/31/2012 21:05	20	A0820858.D	RTX-50 0.53(mm)
180-13537-6	MW-102	08/31/2012 21:30	20	A0820859.D	RTX-50 0.53(mm)
MB 180-45828/1-A		08/31/2012 21:55	20	A0820860.D	RTX-50 0.53(mm)
CCV 180-47167/61		08/31/2012 22:19	1	A0820861.D	RTX-50 0.53(mm)
LCS 180-45828/2-A		08/31/2012 22:44	20	A0820862.D	RTX-50 0.53(mm)
LCSD 180-45828/3-A		08/31/2012 23:09	20	A0820863.D	RTX-50 0.53(mm)
ZZZZZ		08/31/2012 23:33	20		RTX-50 0.53(mm)
ZZZZZ		08/31/2012 23:58	20		RTX-50 0.53(mm)
ZZZZZ		09/01/2012 00:23	20		RTX-50 0.53(mm)
ZZZZZ		09/01/2012 00:47	20		RTX-50 0.53(mm)
ZZZZZ		09/01/2012 01:12	20		RTX-50 0.53(mm)
ZZZZZ		09/01/2012 01:37	20		RTX-50 0.53(mm)
ZZZZZ		09/01/2012 02:01	20		RTX-50 0.53(mm)
ZZZZZ		09/01/2012 02:25	20		RTX-50 0.53(mm)
ZZZZZ		09/01/2012 02:50	20		RTX-50 0.53(mm)
CCV 180-47167/72		09/01/2012 03:39	1	A0820874.D	RTX-50 0.53(mm)

8151A

HERBICIDES ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: GC1 Start Date: 08/30/2012 17:57

Analysis Batch Number: 47174 End Date: 09/01/2012 03:15

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 180-47174/1		08/30/2012 17:57	1	B0820795.D	RTX-1701 0.53(mm)
ZZZZZ		08/30/2012 18:22	20		RTX-1701 0.53(mm)
ZZZZZ		08/30/2012 18:47	20		RTX-1701 0.53(mm)
ZZZZZ		08/30/2012 19:13	20		RTX-1701 0.53(mm)
ZZZZZ		08/30/2012 19:38	20		RTX-1701 0.53(mm)
ZZZZZ		08/30/2012 20:03	20		RTX-1701 0.53(mm)
ZZZZZ		08/30/2012 20:28	20		RTX-1701 0.53(mm)
ZZZZZ		08/30/2012 20:53	20		RTX-1701 0.53(mm)
ZZZZZ		08/30/2012 21:17	20		RTX-1701 0.53(mm)
ZZZZZ		08/30/2012 21:42	20		RTX-1701 0.53(mm)
ZZZZZ		08/30/2012 22:07	20		RTX-1701 0.53(mm)
CCV 180-47174/10		08/30/2012 22:31	1		RTX-1701 0.53(mm)
ZZZZZ		08/30/2012 22:56	20		RTX-1701 0.53(mm)
ZZZZZ		08/30/2012 23:21	20		RTX-1701 0.53(mm)
ZZZZZ		08/30/2012 23:45	20		RTX-1701 0.53(mm)
ZZZZZ		08/31/2012 00:10	20		RTX-1701 0.53(mm)
ZZZZZ		08/31/2012 00:35	20		RTX-1701 0.53(mm)
ZZZZZ		08/31/2012 00:59	20		RTX-1701 0.53(mm)
ZZZZZ		08/31/2012 01:24	20		RTX-1701 0.53(mm)
ZZZZZ		08/31/2012 01:49	20		RTX-1701 0.53(mm)
ZZZZZ		08/31/2012 02:13	20		RTX-1701 0.53(mm)
ZZZZZ		08/31/2012 02:38	20		RTX-1701 0.53(mm)
CCV 180-47174/18		08/31/2012 03:02	1		RTX-1701 0.53(mm)
ZZZZZ		08/31/2012 03:27	20		RTX-1701 0.53(mm)
ZZZZZ		08/31/2012 03:51	20		RTX-1701 0.53(mm)
ZZZZZ		08/31/2012 04:16	20		RTX-1701 0.53(mm)
ZZZZZ		08/31/2012 04:40	20		RTX-1701 0.53(mm)
ZZZZZ		08/31/2012 05:05	20		RTX-1701 0.53(mm)
ZZZZZ		08/31/2012 05:29	20		RTX-1701 0.53(mm)
ZZZZZ		08/31/2012 05:54	20		RTX-1701 0.53(mm)
ZZZZZ		08/31/2012 06:19	20		RTX-1701 0.53(mm)
ZZZZZ		08/31/2012 06:43	20		RTX-1701 0.53(mm)
ZZZZZ		08/31/2012 07:08	20		RTX-1701 0.53(mm)
CCV 180-47174/29		08/31/2012 07:33	1		RTX-1701 0.53(mm)
ZZZZZ		08/31/2012 07:57	20		RTX-1701 0.53(mm)
ZZZZZ		08/31/2012 08:22	20		RTX-1701 0.53(mm)
ZZZZZ		08/31/2012 08:47	20		RTX-1701 0.53(mm)
ZZZZZ		08/31/2012 09:13	20		RTX-1701 0.53(mm)
ZZZZZ		08/31/2012 09:39	20		RTX-1701 0.53(mm)
ZZZZZ		08/31/2012 10:05	20		RTX-1701 0.53(mm)
ZZZZZ		08/31/2012 10:31	20		RTX-1701 0.53(mm)
ZZZZZ		08/31/2012 10:57	20		RTX-1701 0.53(mm)
ZZZZZ		08/31/2012 11:24	20		RTX-1701 0.53(mm)
ZZZZZ		08/31/2012 11:50	20		RTX-1701 0.53(mm)
CCV 180-47174/39		08/31/2012 12:17	1		RTX-1701 0.53(mm)

8151A

HERBICIDES ANALYSIS RUN LOG

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: GC1 Start Date: 08/30/2012 17:57

Analysis Batch Number: 47174 End Date: 09/01/2012 03:15

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		08/31/2012 12:44	20		RTX-1701 0.53(mm)
ZZZZZ		08/31/2012 13:11	20		RTX-1701 0.53(mm)
ZZZZZ		08/31/2012 13:38	20		RTX-1701 0.53(mm)
ZZZZZ		08/31/2012 14:05	20		RTX-1701 0.53(mm)
ZZZZZ		08/31/2012 14:32	20		RTX-1701 0.53(mm)
ZZZZZ		08/31/2012 14:59	20		RTX-1701 0.53(mm)
ZZZZZ		08/31/2012 15:26	20		RTX-1701 0.53(mm)
ZZZZZ		08/31/2012 15:53	20		RTX-1701 0.53(mm)
ZZZZZ		08/31/2012 16:20	20		RTX-1701 0.53(mm)
ZZZZZ		08/31/2012 16:47	20		RTX-1701 0.53(mm)
CCV 180-47174/49		08/31/2012 17:14	1	B0820850.D	RTX-1701 0.53(mm)
ZZZZZ		08/31/2012 17:40	20		RTX-1701 0.53(mm)
ZZZZZ		08/31/2012 18:07	20		RTX-1701 0.53(mm)
ZZZZZ		08/31/2012 18:33	20		RTX-1701 0.53(mm)
ZZZZZ		08/31/2012 18:59	20		RTX-1701 0.53(mm)
180-13537-2	MW-101	08/31/2012 19:24	20	B0820855.D	RTX-1701 0.53(mm)
180-13537-3	MW-107	08/31/2012 19:50	20	B0820856.D	RTX-1701 0.53(mm)
180-13537-4	MW-113	08/31/2012 20:15	20	B0820857.D	RTX-1701 0.53(mm)
180-13537-5	MW-110	08/31/2012 20:40	20	B0820858.D	RTX-1701 0.53(mm)
180-13537-6	MW-102	08/31/2012 21:05	20	B0820859.D	RTX-1701 0.53(mm)
MB 180-45828/1-A		08/31/2012 21:30	20	B0820860.D	RTX-1701 0.53(mm)
CCV 180-47174/59		08/31/2012 21:55	1	B0820861.D	RTX-1701 0.53(mm)
LCS 180-45828/2-A		08/31/2012 22:19	20	B0820862.D	RTX-1701 0.53(mm)
LCSD 180-45828/3-A		08/31/2012 22:44	20	B0820863.D	RTX-1701 0.53(mm)
ZZZZZ		08/31/2012 23:09	20		RTX-1701 0.53(mm)
ZZZZZ		08/31/2012 23:33	20		RTX-1701 0.53(mm)
ZZZZZ		08/31/2012 23:58	20		RTX-1701 0.53(mm)
ZZZZZ		09/01/2012 00:23	20		RTX-1701 0.53(mm)
ZZZZZ		09/01/2012 00:47	20		RTX-1701 0.53(mm)
ZZZZZ		09/01/2012 01:12	20		RTX-1701 0.53(mm)
ZZZZZ		09/01/2012 01:37	20		RTX-1701 0.53(mm)
ZZZZZ		09/01/2012 02:01	20		RTX-1701 0.53(mm)
ZZZZZ		09/01/2012 02:25	20		RTX-1701 0.53(mm)
CCVRT 180-47174/69		09/01/2012 03:15	1	B0820874.D	RTX-1701 0.53(mm)

8151A

HERBICIDES BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Batch Number: 45828 Batch Start Date: 08/21/12 16:00 Batch Analyst: Yushinski, Charles

Batch Method: 8151A Batch End Date: 08/29/12 00:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FirstAdjustpH	SecondAdjustpH	FinalAmount	OPHERBMATRIX 00018
MB 180-45828/1		8151A, 8151A		6 SU	1000 mL	12	2	10.0 mL	
LCS 180-45828/2		8151A, 8151A		6 SU	1000 mL	12	2	10.0 mL	1 mL
LCSD 180-45828/3		8151A, 8151A		6 SU	1000 mL	12	2	10.0 mL	1 mL
180-13537-E-2	MW-101	8151A, 8151A	T	7 SU	1060 mL	12	2	10.0 mL	
180-13537-H-3	MW-107	8151A, 8151A	T	7 SU	1050 mL	12	2	10.0 mL	
180-13537-B-4	MW-113	8151A, 8151A	T	7 SU	1060 mL	12	2	10.0 mL	
180-13537-D-5	MW-110	8151A, 8151A	T	7 SU	1060 mL	12	2	10.0 mL	
180-13537-B-6	MW-102	8151A, 8151A	T	7 SU	1050 mL	12	2	10.0 mL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	OPHERBSURR 00015					
MB 180-45828/1		8151A, 8151A		1 mL					
LCS 180-45828/2		8151A, 8151A		1 mL					
LCSD 180-45828/3		8151A, 8151A		1 mL					
180-13537-E-2	MW-101	8151A, 8151A	T	1 mL					
180-13537-H-3	MW-107	8151A, 8151A	T	1 mL					
180-13537-B-4	MW-113	8151A, 8151A	T	1 mL					
180-13537-D-5	MW-110	8151A, 8151A	T	1 mL					
180-13537-B-6	MW-102	8151A, 8151A	T	1 mL					

HERBICIDES BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Batch Number: 45828 Batch Start Date: 08/21/12 16:00 Batch Analyst: Yushinski, Charles

Batch Method: 8151A Batch End Date: 08/29/12 00:00

Batch Notes	
Diethyl Ether Lot #	513032
Sulfuric Acid Lot Number	506755
Hexane Lot#	506582
MeCL2 Lot #	522082
N-evap #	1
N-evap temperature	21 Degrees C
Na2SO4, Acidified Lot #	521501
NaCL Lot #	521502
NaOH Lot #	420751
Sufficient volume for MS/MSD?	no
Uncorrected N-evap Temperature	21 Degrees C
Uncorrected Temperature	65 Degrees C
Water Bath Temperature	65 Degrees C

Basis	Basis Description
T	Total/NA

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Pittsburgh Job Number: 180-13537-1

SDG No.:

Project: QDI Institute, WV

Client Sample ID	Lab Sample ID
MW-101	180-13537-2
MW-107	180-13537-3
MW-113	180-13537-4
MW-110	180-13537-5
MW-102	180-13537-6
IDW-1	180-13537-7

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-101
Lab Sample ID: 180-13537-2
Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG ID.:
Matrix: Water
Date Sampled: 08/16/2012 08:15
Reporting Basis: WET
Date Received: 08/17/2012 09:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	11	1.0	0.29	ug/L			1	6020A
7440-39-3	Barium	370	10	0.098	ug/L			1	6020A
7439-92-1	Lead	45	1.0	0.019	ug/L		B	1	6020A
7439-89-6	Iron	110000	50	6.1	ug/L			1	6020A
7439-96-5	Manganese	730	5.0	0.039	ug/L		B	1	6020A
7440-62-2	Vanadium	87	1.0	0.082	ug/L		B	1	6020A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-101
Lab Sample ID: 180-13537-2
Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG ID.:
Matrix: Water
Date Sampled: 08/16/2012 08:15
Reporting Basis: WET
Date Received: 08/17/2012 09:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	2.0	1.0	0.29	ug/L			1	6020A
7440-39-3	Barium	88	10	0.098	ug/L		B	1	6020A
7439-89-6	Iron	210	50	6.1	ug/L			1	6020A
7439-92-1	Lead	0.069	1.0	0.019	ug/L	J	B	1	6020A
7439-96-5	Manganese	110	5.0	0.039	ug/L		B	1	6020A
7440-62-2	Vanadium	4.3	1.0	0.082	ug/L			1	6020A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-107
Lab Sample ID: 180-13537-3
Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG ID.:
Matrix: Water
Date Sampled: 08/16/2012 09:00
Reporting Basis: WET
Date Received: 08/17/2012 09:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	2.2	1.0	0.29	ug/L			1	6020A
7440-39-3	Barium	59	10	0.098	ug/L			1	6020A
7439-92-1	Lead	0.17	1.0	0.019	ug/L	J	B	1	6020A
7439-89-6	Iron	140	50	6.1	ug/L			1	6020A
7439-96-5	Manganese	5500	5.0	0.039	ug/L		B	1	6020A
7440-62-2	Vanadium	4.3	1.0	0.082	ug/L		B	1	6020A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-107
Lab Sample ID: 180-13537-3
Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG ID.:
Matrix: Water
Date Sampled: 08/16/2012 09:00
Reporting Basis: WET
Date Received: 08/17/2012 09:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	2.4	1.0	0.29	ug/L			1	6020A
7440-39-3	Barium	53	10	0.098	ug/L		B	1	6020A
7439-89-6	Iron	ND	50	6.1	ug/L			1	6020A
7439-92-1	Lead	0.15	1.0	0.019	ug/L	J	B	1	6020A
7439-96-5	Manganese	5000	5.0	0.039	ug/L		B	1	6020A
7440-62-2	Vanadium	5.3	1.0	0.082	ug/L			1	6020A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-113
Lab Sample ID: 180-13537-4
Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG ID.:
Matrix: Water
Date Sampled: 08/16/2012 09:30
Reporting Basis: WET
Date Received: 08/17/2012 09:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	1.1	1.0	0.29	ug/L			1	6020A
7440-39-3	Barium	57	10	0.098	ug/L			1	6020A
7439-92-1	Lead	0.12	1.0	0.019	ug/L	J	B	1	6020A
7439-89-6	Iron	150	50	6.1	ug/L			1	6020A
7439-96-5	Manganese	5200	5.0	0.039	ug/L		B	1	6020A
7440-62-2	Vanadium	3.9	1.0	0.082	ug/L		B	1	6020A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-113
Lab Sample ID: 180-13537-4
Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG ID.:
Matrix: Water
Date Sampled: 08/16/2012 09:30
Reporting Basis: WET
Date Received: 08/17/2012 09:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.89	1.0	0.29	ug/L	J		1	6020A
7440-39-3	Barium	55	10	0.098	ug/L		B	1	6020A
7439-89-6	Iron	ND	50	6.1	ug/L			1	6020A
7439-92-1	Lead	0.14	1.0	0.019	ug/L	J	B	1	6020A
7439-96-5	Manganese	4600	5.0	0.039	ug/L		B	1	6020A
7440-62-2	Vanadium	5.6	1.0	0.082	ug/L			1	6020A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-110
Lab Sample ID: 180-13537-5
Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG ID.:
Matrix: Water
Date Sampled: 08/16/2012 11:40
Reporting Basis: WET
Date Received: 08/17/2012 09:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	4.1	1.0	0.29	ug/L			1	6020A
7440-39-3	Barium	310	10	0.098	ug/L			1	6020A
7439-92-1	Lead	0.98	1.0	0.019	ug/L	J	B	1	6020A
7439-89-6	Iron	1500	50	6.1	ug/L			1	6020A
7439-96-5	Manganese	1200	5.0	0.039	ug/L		B	1	6020A
7440-62-2	Vanadium	9.6	1.0	0.082	ug/L		B	1	6020A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-110
Lab Sample ID: 180-13537-5
Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG ID.:
Matrix: Water
Date Sampled: 08/16/2012 11:40
Reporting Basis: WET
Date Received: 08/17/2012 09:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	2.5	1.0	0.29	ug/L			1	6020A
7440-39-3	Barium	370	10	0.098	ug/L		B	1	6020A
7439-89-6	Iron	360	50	6.1	ug/L			1	6020A
7439-92-1	Lead	0.11	1.0	0.019	ug/L	J	B	1	6020A
7439-96-5	Manganese	490	5.0	0.039	ug/L		B	1	6020A
7440-62-2	Vanadium	4.4	1.0	0.082	ug/L			1	6020A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-102

Lab Sample ID: 180-13537-6

Lab Name: TestAmerica Pittsburgh

Job No.: 180-13537-1

SDG ID.:

Matrix: Water

Date Sampled: 08/16/2012 12:00

Reporting Basis: WET

Date Received: 08/17/2012 09:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	3.9	1.0	0.29	ug/L			1	6020A
7440-39-3	Barium	180	10	0.098	ug/L			1	6020A
7439-92-1	Lead	5.7	1.0	0.019	ug/L		B	1	6020A
7439-89-6	Iron	13000	50	6.1	ug/L			1	6020A
7439-96-5	Manganese	280	5.0	0.039	ug/L		B	1	6020A
7440-62-2	Vanadium	20	1.0	0.082	ug/L		B	1	6020A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-102
Lab Sample ID: 180-13537-6
Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG ID.:
Matrix: Water
Date Sampled: 08/16/2012 12:00
Reporting Basis: WET
Date Received: 08/17/2012 09:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.49	1.0	0.29	ug/L	J		1	6020A
7440-39-3	Barium	110	10	0.098	ug/L		B	1	6020A
7439-89-6	Iron	29	50	6.1	ug/L	J		1	6020A
7439-92-1	Lead	0.10	1.0	0.019	ug/L	J	B	1	6020A
7439-96-5	Manganese	140	5.0	0.039	ug/L		B	1	6020A
7440-62-2	Vanadium	5.8	1.0	0.082	ug/L			1	6020A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: IDW-1
Lab Sample ID: 180-13537-7
Lab Name: TestAmerica Pittsburgh
Job No.: 180-13537-1
SDG ID.:
Matrix: Water
Date Sampled: 08/16/2012 13:30
Reporting Basis: WET
Date Received: 08/17/2012 09:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.014	0.010	0.0029	mg/L			1	6020A
7440-39-3	Barium	0.12	0.10	0.00098	mg/L			1	6020A
7440-43-9	Cadmium	ND	0.010	0.0011	mg/L			1	6020A
7440-47-3	Chromium	0.027	0.020	0.0054	mg/L			1	6020A
7439-92-1	Lead	0.00033	0.010	0.00019	mg/L	J	B	1	6020A
7782-49-2	Selenium	ND	0.050	0.0042	mg/L			1	6020A
7440-22-4	Silver	ND	0.010	0.00036	mg/L			1	6020A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

ICV Source: MICPMSICV_00010 Concentration Units: ug/L

CCV Source: MCCV1X_00023

Analyte	ICV 180-46214/5 08/23/2012 16:49				CCV 180-46214/10 08/23/2012 17:16				CCV 180-46214/22 08/23/2012 18:21			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	78.0		80.0	98	94.6		100	95	93.2		100	93
Barium	78.4		80.0	98	93.8		100	94	93.8		100	94
Cadmium	78.1		80.0	98	95.0		100	95	95.4		100	95
Chromium	78.6		80.0	98	95.3		100	95	96.0		100	96
Lead	78.0		80.0	98	97.3		100	97	96.1		100	96
Selenium	76.8		80.0	96	94.3		100	94	91.1		100	91
Silver	77.3		80.0	97	95.1		100	95	94.2		100	94

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.: 180-13537-1

SDG No.:

ICV Source: MICPMSICV_00010 Concentration Units: ug/L

CCV Source: MCCV1X_00024

Analyte	ICV 180-47625/5 09/06/2012 14:15				CCV 180-47625/10 09/06/2012 14:43				CCV 180-47625/34 09/06/2012 16:45			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	79.6		80.0	99	99.4		100	99	101		100	101
Barium	81.0		80.0	101	94.1		100	94	94.3		100	94
Iron	20000		20000	100	24800		25000	99	25100		25000	100
Lead	79.9		80.0	100	96.4		100	96	98.8		100	99
Manganese	402		400	101	482		500	96	474		500	95
Vanadium	79.5		80.0	99	94.5		100	94	91.6		100	92

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.: 180-13537-1

SDG No.:

ICV Source: MICPMSICV_00010 Concentration Units: ug/L

CCV Source: MCCV1X_00024

Analyte	CCV 180-47625/46 09/06/2012 17:53				CCV 180-47625/58 09/06/2012 18:52				CCV 180-47625/69 09/06/2012 19:57			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	102		100	102	101		100	101	103		100	103
Barium	94.0		100	94	95.7		100	96	97.7		100	98
Iron	25100		25000	100	25300		25000	101	25900		25000	104
Lead	97.5		100	98	99.0		100	99	101		100	101
Manganese	475		500	95	478		500	96	488		500	98
Vanadium	93.5		100	94	92.5		100	93	94.2		100	94

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.: 180-13537-1

SDG No.:

ICV Source: MICPMSICV_00010 Concentration Units: ug/L

CCV Source: MCCV1X_00024

Analyte	CCV 180-47625/93 09/06/2012 21:57				CCV 180-47625/105 09/06/2012 22:56				CCV 180-47625/117 09/07/2012 00:00			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	104		100	104	104		100	104	103		100	103
Barium	98.2		100	98	98.2		100	98	100		100	100
Iron	25800		25000	103	25900		25000	104	26300		25000	105
Lead	103		100	103	102		100	102	104		100	104
Manganese	481		500	96	483		500	97	487		500	97
Vanadium	92.8		100	93	93.5		100	93	94.4		100	94

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.: 180-13537-1

SDG No.:

ICV Source: MICPMSICV_00010 Concentration Units: ug/L

CCV Source: MCCV1X_00024

Analyte	CCV 180-47625/129 09/07/2012 01:03											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	104		100	104								
Barium	103		100	103								
Iron	26200		25000	105								
Lead	105		100	105								
Manganese	485		500	97								
Vanadium	94.6		100	95								

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.: 180-13537-1

SDG No.:

Method: 6020A Instrument ID: M

Lab Sample ID: CRI 180-46214/7 Concentration Units: ug/L

CRQL Check Standard Source: MCRIX_00017

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	1.00	0.926	J	93	70-130
Barium	10.0	9.72	J	97	70-130
Cadmium	1.00	1.06		106	70-130
Chromium	2.00	1.83	J	92	70-130
Lead	1.00	1.08		108	70-130
Selenium	5.00	5.00		100	70-130
Silver	1.00	0.968	J	97	70-130

Lab Sample ID: CRI 180-47625/7 Concentration Units: ug/L

CRQL Check Standard Source: MCRIX_00017

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	1.00	1.10		110	70-130
Barium	10.0	9.62	J	96	70-130
Iron	50.0	47.6	J	95	70-130
Lead	1.00	1.06		106	70-130
Manganese	5.00	5.05		101	70-130
Vanadium	1.00	0.908	J	91	70-130

Lab Sample ID: CRI 180-47625/65 Concentration Units: ug/L

CRQL Check Standard Source: MCRIX_00017

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	1.00	0.842	J	84	70-130
Barium	10.0	9.65	J	96	70-130
Iron	50.0	40.7	J	81	70-130
Lead	1.00	1.17		117	70-130
Manganese	5.00	4.90	J	98	70-130
Vanadium	1.00	1.12		112	70-130

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

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Method: 6020A Instrument ID: M

Lab Sample ID: CRI 180-47625/128 Concentration Units: ug/L

CRQL Check Standard Source: MCRIX_00017

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	1.00	0.929	J	93	70-130
Barium	10.0	9.57	J	96	70-130
Iron	50.0	50.5		101	70-130
Lead	1.00	1.18		118	70-130
Manganese	5.00	4.83	J	97	70-130
Vanadium	1.00	0.915	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.: 180-13537-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 180-46214/6 08/23/2012 16:56		CCB1 180-46214/11 08/23/2012 17:24		CCB2 180-46214/23 08/23/2012 18:29			
		Found	C	Found	C	Found	C	Found	C
Arsenic	1.0	ND		ND		ND			
Barium	10	ND		ND		ND			
Cadmium	1.0	ND		ND		ND			
Chromium	2.0	ND		ND		ND			
Lead	1.0	0.0360	J	0.0400	J	0.0600	J		
Selenium	5.0	ND		0.616	J	ND			
Silver	1.0	ND		ND		ND			

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 180-47625/6 09/06/2012 14:22		CCB1 180-47625/11 09/06/2012 14:50		CCB3 180-47625/35 09/06/2012 16:53		CCB4 180-47625/47 09/06/2012 18:01	
		Found	C	Found	C	Found	C	Found	C
Arsenic	1.0	ND		ND		ND		ND	
Barium	10	ND		ND		ND		ND	
Iron	50	ND		ND		11.2	J	ND	
Lead	1.0	0.184	J	0.0800	J	0.661	J	0.350	J
Manganese	5.0	0.172	J	ND		0.320	J	0.181	J
Vanadium	1.0	ND		ND		0.145	J	0.137	J

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB5 180-47625/59 09/06/2012 19:00		CCB6 180-47625/70 09/06/2012 20:05		CCB8 180-47625/94 09/06/2012 22:05		CCB9 180-47625/106 09/06/2012 23:04	
		Found	C	Found	C	Found	C	Found	C
Arsenic	1.0	ND		ND		ND		ND	
Barium	10	ND		ND		ND		0.108	J
Iron	50	ND		ND		ND		ND	
Lead	1.0	0.230	J	0.335	J	0.304	J	0.299	J
Manganese	5.0	0.128	J	0.248	J	0.448	J	0.407	J
Vanadium	1.0	0.246	J	0.143	J	ND		0.116	J

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB10 180-47625/118 09/07/2012 00:07		CCB11 180-47625/130 09/07/2012 01:10					
		Found	C	Found	C	Found	C	Found	C
Arsenic	1.0	ND		ND					
Barium	10	ND		0.114	J				
Iron	50	ND		8.74	J				
Lead	1.0	0.280	J	0.314	J				
Manganese	5.0	0.414	J	0.423	J				
Vanadium	1.0	0.139	J	0.140	J				

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Concentration Units: mg/L Lab Sample ID: MB 180-45890/1-A

Instrument Code: M Batch No.: 46214

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	ND			6020A
7440-39-3	Barium	ND			6020A
7440-43-9	Cadmium	ND			6020A
7440-47-3	Chromium	ND			6020A
7439-92-1	Lead	0.0000680	J		6020A
7782-49-2	Selenium	ND			6020A
7440-22-4	Silver	ND			6020A

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 180-45944/1-A

Instrument Code: M Batch No.: 47625

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	0.0890	J		6020A
7439-96-5	Manganese	0.134	J		6020A
7440-62-2	Vanadium	0.312	J		6020A

FORM III-IN

3-IN
METHOD BLANK
METALS - TOTAL RECOVERABLE

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 180-45945/1-A

Instrument Code: M Batch No.: 47625

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	ND			6020A
7440-39-3	Barium	0.191	J		6020A
7439-89-6	Iron	ND			6020A
7439-92-1	Lead	0.728	J		6020A
7439-96-5	Manganese	0.112	J		6020A
7440-62-2	Vanadium	ND			6020A

FORM III-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Lab Sample ID: ICSA 180-46214/8 Instrument ID: M

Lab File ID: M20823A.xml ICS Source: MICSAX_00016

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		**0.615**	
Barium		**0.468**	
Cadmium		**0.841**	
Chromium		**0.306**	
Lead		**0.450**	
Selenium		**-0.127**	
Silver		**0.181**	
Aluminum	*100000*	*111100*	*111*
Antimony		*0.368*	
Beryllium		*0.0180*	
Boron		*2.41*	
Calcium	*100000*	*108500*	*109*
Cobalt		*0.164*	
Copper		*1.31*	
Iron	*100000*	*111000*	*111*
Magnesium	*100000*	*113600*	*114*
Manganese		*1.53*	
Molybdenum	*2000*	*2172*	*109*
Nickel		*0.358*	
Potassium	*100000*	*108200*	*108*
Silicon		*28.4*	
Sodium	*100000*	*105500*	*106*
Strontium		*0.938*	
Thallium		*0.0480*	
Tin		*0.318*	
Titanium	*2000*	*2258*	*113*
Vanadium		*-0.375*	
Zinc		*4.05*	

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.: 180-13537-1

SDG No.:

Lab Sample ID: ICSAB 180-46214/9 Instrument ID: M

Lab File ID: M20823A.xml ICS Source: MICSABX_00019

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Arsenic	**20.0**	**20.8**	**104**
Barium	**20.0**	**21.4**	**107**
Cadmium	**20.0**	**22.1**	**110**
Chromium	**20.0**	**21.8**	**109**
Lead	**20.0**	**22.3**	**111**
Selenium	**50.0**	**49.9**	**100**
Silver	**20.0**	**21.4**	**107**
Aluminum	*100000*	*109767*	*110*
Antimony	*20.0*	*21.6*	*108*
Beryllium	*20.0*	*20.6*	*103*
Boron	*50.0*	*53.6*	*107*
Calcium	*100000*	*105867*	*106*
Cobalt	*20.0*	*20.8*	*104*
Copper	*20.0*	*21.7*	*108*
Iron	*100000*	*107833*	*108*
Magnesium	*100000*	*112167*	*112*
Manganese	*22.5*	*22.6*	*100*
Molybdenum	*2000*	*2066*	*103*
Nickel	*20.0*	*20.9*	*104*
Potassium	*100000*	*105267*	*105*
Silicon	*500*	*571*	*114*
Sodium	*100000*	*103100*	*103*
Strontium	*20.0*	*20.5*	*102*
Thallium	*20.0*	*21.7*	*108*
Tin	*100*	*108*	*108*
Titanium	*2000*	*2212*	*111*
Vanadium	*20.0*	*20.8*	*104*
Zinc	*25.0*	*26.3*	*105*

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.: 180-13537-1

SDG No.:

Lab Sample ID: ICSA 180-47625/8 Instrument ID: M

Lab File ID: M20906A.xml ICS Source: MICSAX_00017

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		**0.371**	
Barium		**0.530**	
Iron	**100000**	**109100**	**109**
Lead		**0.636**	
Manganese		**2.54**	
Vanadium		**-0.347**	
Aluminum	*100000*	*107900*	*108*
Antimony		*0.394*	
Beryllium		*0.0680*	
Boron		*3.81*	
Cadmium		*1.43*	
Calcium	*100000*	*113100*	*113*
Chromium		*0.0280*	
Cobalt		*0.319*	
Copper		*1.99*	
Magnesium	*100000*	*103900*	*104*
Molybdenum	*2000*	*2219*	*111*
Nickel		*0.383*	
Potassium	*100000*	*113800*	*114*
Selenium		*-0.0090*	
Silicon		*33.6*	
Silver		*0.137*	
Sodium	*100000*	*107700*	*108*
Strontium		*0.987*	
Thallium		*0.0480*	
Tin		*0.467*	
Titanium	*2000*	*2187*	*109*
Zinc		*5.05*	

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.: 180-13537-1

SDG No.:

Lab Sample ID: ICSAB 180-47625/9 Instrument ID: M

Lab File ID: M20906A.xml ICS Source: MICSABX_00020

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Arsenic	**20.0**	**21.0**	**105**
Barium	**20.0**	**21.4**	**107**
Iron	**100000**	**102633**	**103**
Lead	**20.0**	**22.0**	**110**
Manganese	**22.5**	**22.2**	**99**
Vanadium	**20.0**	**19.5**	**97**
Aluminum	*100000*	*100500*	*101*
Antimony	*20.0*	*22.2*	*111*
Beryllium	*20.0*	*20.7*	*104*
Boron	*50.0*	*55.0*	*110*
Cadmium	*20.0*	*23.2*	*116*
Calcium	*100000*	*107700*	*108*
Chromium	*20.0*	*20.0*	*100*
Cobalt	*20.0*	*20.9*	*104*
Copper	*20.0*	*22.3*	*111*
Magnesium	*100000*	*95587*	*96*
Molybdenum	*2000*	*2145*	*107*
Nickel	*20.0*	*21.2*	*106*
Potassium	*100000*	*109233*	*109*
Selenium	*50.0*	*51.1*	*102*
Silicon	*500*	*557*	*111*
Silver	*20.0*	*21.4*	*107*
Sodium	*100000*	*101000*	*101*
Strontium	*20.0*	*20.5*	*102*
Thallium	*20.0*	*21.2*	*106*
Tin	*100*	*109*	*109*
Titanium	*2000*	*2052*	*103*
Zinc	*25.0*	*28.9*	*116*

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

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - TCLP

Client ID: _____ Lab ID: 180-13635-D-1-I MS

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.: _____

Matrix: Water Concentration Units: mg/L

% Solids: _____

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	13.5		14		0.400	-220	75-125	4	6020A
Barium	18.0		0.0037	J	20.0	90	75-125		6020A
Cadmium	0.470		0.0080	J	0.500	92	75-125		6020A
Chromium	2.53		0.71		2.00	91	75-125		6020A
Lead	0.516		0.34		0.200	90	75-125		6020A
Selenium	0.0945		ND		0.100	95	75-125		6020A
Silver	0.463		0.00043	J	0.500	92	75-125		6020A

SSR = Spiked Sample Result

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

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 180-13503-I-2-B MS

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

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	98.6		60		40.0	97	75-125		6020A
Barium	2440		620		2000	91	75-125		6020A
Iron	14900		14000		1000	99	75-125	4	6020A
Lead	19.3		0.38	J	20.0	95	75-125		6020A
Manganese	2190		1800		500	84	75-125		6020A
Vanadium	457		6.1		500	90	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 - DISSOLVED

Client ID: _____ Lab ID: 180-13503-J-2-B MS

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

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	94.3		57		40.0	94	75-125		6020A
Barium	2320		600		2000	86	75-125		6020A
Iron	14100		13000		1000	115	75-125	4	6020A
Lead	18.3		0.68	J	20.0	88	75-125		6020A
Manganese	2210		1700		500	92	75-125		6020A
Vanadium	454		5.0		500	90	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 - TCLP

Client ID: _____ Lab ID: 180-13635-D-1-J MSD

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.: _____

Matrix: Water Concentration Units: mg/L

% Solids: _____

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	13.2		0.400	-298	75-125	2	20	4	6020A
Barium	18.2		20.0	91	75-125	1	20		6020A
Cadmium	0.474		0.500	93	75-125	1	20		6020A
Chromium	2.55		2.00	92	75-125	1	20		6020A
Lead	0.507		0.200	85	75-125	2	20		6020A
Selenium	0.101		0.100	101	75-125	7	20		6020A
Silver	0.469		0.500	94	75-125	1	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: 180-13503-I-2-C MSD

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

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	102		40.0	106	75-125	3	20		6020A
Barium	2470		2000	93	75-125	1	20		6020A
Iron	15400		1000	147	75-125	3	20	4	6020A
Lead	19.5		20.0	95	75-125	1	20		6020A
Manganese	2220		500	91	75-125	1	20		6020A
Vanadium	464		500	92	75-125	2	20		6020A

SDR = Sample Duplicate Result

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

FORM VD - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: _____ Lab ID: 180-13503-J-2-C MSD

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

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	98.2		40.0	104	75-125	4	20		6020A
Barium	2360		2000	88	75-125	1	20		6020A
Iron	14400		1000	140	75-125	2	20	4	6020A
Lead	18.4		20.0	88	75-125	0	20		6020A
Manganese	2230		500	97	75-125	1	20		6020A
Vanadium	463		500	92	75-125	2	20		6020A

SDR = Sample Duplicate Result

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

FORM VD - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 180-45890/2-A

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

Sample Matrix: Water LCS Source: MTAPITTICPMS_00009

Analyte	Water(mg/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	0.0400	0.0373		93	80	120		6020A
Barium	2.00	1.80		90	80	120		6020A
Cadmium	0.0500	0.0472		94	80	120		6020A
Chromium	0.200	0.192		96	80	120		6020A
Lead	0.0200	0.0195		97	80	120		6020A
Selenium	0.0100	0.0110		110	80	120		6020A
Silver	0.0500	0.0466		93	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 180-45945/2-A

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

Sample Matrix: Water LCS Source: MTAPITTICPMS_00009

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	40.0	39.7		99	80	120		6020A
Barium	2000	1760		88	80	120		6020A
Iron	1000	996		100	80	120		6020A
Lead	20.0	20.2		101	80	120		6020A
Manganese	500	459		92	80	120		6020A
Vanadium	500	454		91	80	120		6020A

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 180-45944/2-A

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

Sample Matrix: Water LCS Source: MTAPITTICPMS_00009

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	40.0	40.0		100	80	120		6020A
Barium	2000	1830		91	80	120		6020A
Iron	1000	1020		102	80	120		6020A
Lead	20.0	19.6		98	80	120		6020A
Manganese	500	466		93	80	120		6020A
Vanadium	500	458		92	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 - TCLP

Lab ID: 180-13635-E-1-D SD ^5

SDG No:

Lab Name: TestAmerica Pittsburgh Job No: 180-13537-1

Matrix: Water Concentration Units: mg/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Arsenic	14		14.7		2.5		6020A
Barium	0.0037	J	0.00780	J	NC		6020A
Cadmium	0.0080	J	0.00900	J	NC		6020A
Chromium	0.71		0.727		2.7		6020A
Lead	0.34		0.341		1.2		6020A
Selenium	ND		ND		NC		6020A
Silver	0.00043	J	ND		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: 180-13503-I-2-A SD ^5

SDG No:

Lab Name: TestAmerica Pittsburgh Job No: 180-13537-1

Matrix: Water Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Arsenic	60		60.0		0.50		6020A
Barium	620		597		3.1		6020A
Iron	14000		13300		4.0		6020A
Lead	0.38	J	1.32	J	NC		6020A
Manganese	1800		1760		0.23		6020A
Vanadium	6.1		5.48		10		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 - DISSOLVED

Lab ID: 180-13503-J-2-A SD ^5

SDG No:

Lab Name: TestAmerica Pittsburgh Job No: 180-13537-1

Matrix: Water Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Arsenic	57		48.2		15	V	6020A
Barium	600		556		7.0		6020A
Iron	13000		10700		18	V	6020A
Lead	0.68	J	0.815	J	NC		6020A
Manganese	1700		1480		15	V	6020A
Vanadium	5.0		5.36		7.9		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: 180-13537-1

SDG Number:

Matrix: Water Instrument ID: M

Method: 6020A MDL Date: 01/23/2010 18:33

Prep Method: 3010A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Arsenic	75	1	0.2908
Barium	137	10	0.098
Iron	56	50	6.0901
Lead	208	1	0.0192
Manganese	55	5	0.0389
Vanadium	51	1	0.0824

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Pittsburgh Job Number: 180-13537-1

SDG Number:

Matrix: Water Instrument ID: M

Method: 6020A XMDL Date: 01/23/2010 18:33

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Arsenic	75	1	0.2908
Barium	137	10	0.098
Iron	56	50	6.0901
Lead	208	1	0.0192
Manganese	55	5	0.0389
Vanadium	51	1	0.0824

9-IN
DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Pittsburgh Job Number: 180-13537-1

SDG Number:

Matrix: Water Instrument ID: M

Method: 6020A MDL Date: 01/23/2010 18:33

Prep Method: 3005A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Arsenic	75	1	0.2908
Barium	137	10	0.098
Iron	56	50	6.0901
Lead	208	1	0.0192
Manganese	55	5	0.0389
Vanadium	51	1	0.0824

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Pittsburgh Job Number: 180-13537-1

SDG Number:

Matrix: Water Instrument ID: M

Method: 6020A XMDL Date: 01/23/2010 18:33

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Arsenic	75	1	0.2908
Barium	137	10	0.098
Iron	56	50	6.0901
Lead	208	1	0.0192
Manganese	55	5	0.0389
Vanadium	51	1	0.0824

9-IN
DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Pittsburgh Job Number: 180-13537-1

SDG Number:

Matrix: Water Instrument ID: M

Method: 6020A MDL Date: 01/26/2010 14:29

Prep Method: 3010A

Leach Method: 1311

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Arsenic	75	0.001	0.0002908
Barium	137	0.01	0.000098
Cadmium	111	0.001	0.0001144
Chromium	52	0.002	0.0005433
Lead	208	0.001	0.0000192
Selenium	82	0.005	0.0004216
Silver	107	0.001	0.0000362

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Pittsburgh Job Number: 180-13537-1

SDG Number:

Matrix: Water Instrument ID: M

Method: 6020A XMDL Date: 01/26/2010 14:29

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Arsenic	75	1	0.2908
Barium	137	10	0.098
Cadmium	111	1	0.1144
Chromium	52	2	0.5433
Lead	208	1	0.0192
Selenium	82	5	0.4216
Silver	107	1	0.0362

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Pittsburgh Job No: 180-13537-1

SDG No.:

Instrument ID: M Date: 03/14/2011 22:35

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Arsenic		4500	6020A
Barium		13500	6020A
Iron		450000	6020A
Lead		20000	6020A
Manganese		25000	6020A
Vanadium		13500	6020A

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 180-45890/1-A	08/22/2012 10:50	45890		50	50
LCS 180-45890/2-A	08/22/2012 10:50	45890		50	50
180-13635-D-1-I MS	08/22/2012 10:50	45890		5	50
180-13635-D-1-J MSD	08/22/2012 10:50	45890		5	50
180-13537-7	08/22/2012 10:50	45890		5	50

FORM XII-IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 180-45944/1-A	08/22/2012 15:17	45944		50	50
LCS 180-45944/2-A	08/22/2012 15:17	45944		50	50
180-13503-I-2-B MS	08/22/2012 15:17	45944		50	50
180-13503-I-2-C MSD	08/22/2012 15:17	45944		50	50
180-13537-2	08/22/2012 15:17	45944		50	50
180-13537-3	08/22/2012 15:17	45944		50	50
180-13537-4	08/22/2012 15:17	45944		50	50
180-13537-5	08/22/2012 15:17	45944		50	50
180-13537-6	08/22/2012 15:17	45944		50	50

FORM XII-IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Prep Method: 3005A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 180-45945/1-A	08/22/2012 15:18	45945		50	50
LCS 180-45945/2-A	08/22/2012 15:18	45945		50	50
180-13503-J-2-B MS	08/22/2012 15:18	45945		50	50
180-13503-J-2-C MSD	08/22/2012 15:18	45945		50	50
180-13537-2	08/22/2012 15:18	45945		50	50
180-13537-3	08/22/2012 15:18	45945		50	50
180-13537-4	08/22/2012 15:18	45945		50	50
180-13537-5	08/22/2012 15:18	45945		50	50
180-13537-6	08/22/2012 15:18	45945		50	50

FORM XII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: M Method: 6020A

Start Date: 08/23/2012 14:34 End Date: 08/24/2012 03:30

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ITUNE 180-46214/1			14:34																				
STD1 180-46214/2 IC	1		16:35	X	X	X	X	X	X	X													
STD2 180-46214/3 IC	1		16:40	X	X	X	X	X	X	X													
STD3 180-46214/4 IC	1		16:45	X	X	X	X	X	X	X													
ICV 180-46214/5	1		16:49	X	X	X	X	X	X	X													
ICB 180-46214/6	1		16:56	X	X	X	X	X	X	X													
CRI 180-46214/7	1		17:01	X	X	X	X	X	X	X													
ICSA 180-46214/8	1		17:05	X	X	X	X	X	X	X													
ICSAB 180-46214/9	1		17:09	X	X	X	X	X	X	X													
CCV 180-46214/10	1		17:16	X	X	X	X	X	X	X													
CCB1 180-46214/11	1		17:24	X	X	X	X	X	X	X													
MB 180-45890/1-A	1	T	17:28	X	X	X	X	X	X	X													
LCS 180-45890/2-A	1	T	17:32	X	X	X	X	X	X	X													
ZZZZZZ			17:40																				
180-13635-E-1-D SD ^5	5	P	17:45	X	X	X	X	X	X	X													
180-13635-D-1-I MS	1	P	17:49	X	X	X	X	X	X	X													
180-13635-D-1-J MSD	1	P	17:53	X	X	X	X	X	X	X													
ZZZZZZ			18:01																				
ZZZZZZ			18:05																				
180-13537-7	1	P	18:10	X	X	X	X	X	X	X													
ZZZZZZ			18:14																				
CCV 180-46214/22	1		18:21	X	X	X	X	X	X	X													
CCB2 180-46214/23	1		18:29	X	X	X	X	X	X	X													
ZZZZZZ			18:33																				
ZZZZZZ			18:37																				
ZZZZZZ			18:41																				
ZZZZZZ			18:46																				
ZZZZZZ			18:50																				
ZZZZZZ			18:54																				
ZZZZZZ			18:59																				
ZZZZZZ			19:03																				
ZZZZZZ			19:07																				
ZZZZZZ			19:12																				
CCV 180-46214/34			19:19																				
CCB3 180-46214/35			19:26																				
ZZZZZZ			19:30																				
ZZZZZZ			19:35																				
ZZZZZZ			19:39																				
ZZZZZZ			19:43																				
ZZZZZZ			19:48																				
ZZZZZZ			19:52																				
ZZZZZZ			19:56																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: M Method: 6020A

Start Date: 08/23/2012 14:34 End Date: 08/24/2012 03:30

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			20:01																				
ZZZZZZ			20:05																				
CCV 180-46214/45			20:12																				
CCB4 180-46214/46			20:19																				
ZZZZZZ			20:24																				
ZZZZZZ			20:28																				
ZZZZZZ			20:33																				
ZZZZZZ			20:37																				
CRI 180-46214/51			20:49																				
CCV 180-46214/52			20:56																				
CCB5 180-46214/53			21:03																				
ZZZZZZ			21:08																				
ZZZZZZ			21:12																				
ZZZZZZ			21:16																				
ZZZZZZ			21:21																				
ZZZZZZ			21:25																				
ZZZZZZ			21:29																				
ZZZZZZ			21:34																				
ZZZZZZ			21:42																				
ZZZZZZ			21:46																				
ZZZZZZ			21:50																				
CCV 180-46214/64			21:58																				
CCB6 180-46214/65			22:05																				
ZZZZZZ			22:09																				
ZZZZZZ			22:13																				
ZZZZZZ			22:18																				
ZZZZZZ			22:22																				
ZZZZZZ			22:26																				
ZZZZZZ			22:31																				
ZZZZZZ			22:35																				
ZZZZZZ			22:39																				
ZZZZZZ			22:44																				
ZZZZZZ			22:48																				
CCV 180-46214/76			22:55																				
CCB7 180-46214/77			23:03																				
ZZZZZZ			23:07																				
ZZZZZZ			23:11																				
ZZZZZZ			23:16																				
ZZZZZZ			23:20																				
ZZZZZZ			23:24																				
ZZZZZZ			23:29																				
ZZZZZZ			23:33																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: M Method: 6020A

Start Date: 08/23/2012 14:34 End Date: 08/24/2012 03:30

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			23:37																				
ZZZZZZ			23:42																				
ZZZZZZ			23:46																				
CCV 180-46214/88			23:53																				
CCB8 180-46214/89			00:01																				
ZZZZZZ			00:05																				
ZZZZZZ			00:09																				
ZZZZZZ			00:14																				
ZZZZZZ			00:18																				
ZZZZZZ			00:22																				
ZZZZZZ			00:27																				
ZZZZZZ			00:31																				
ZZZZZZ			00:35																				
ZZZZZZ			00:40																				
ZZZZZZ			00:44																				
CCV 180-46214/100			00:51																				
CCB9 180-46214/101			00:59																				
ZZZZZZ			01:03																				
ZZZZZZ			01:11																				
ZZZZZZ			01:15																				
ZZZZZZ			01:20																				
ZZZZZZ			01:24																				
ZZZZZZ			01:28																				
ZZZZZZ			01:33																				
ZZZZZZ			01:37																				
ZZZZZZ			01:41																				
ZZZZZZ			01:46																				
CCV 180-46214/112			01:53																				
CCB10 180-46214/113			02:00																				
ZZZZZZ			02:04																				
ZZZZZZ			02:09																				
ZZZZZZ			02:13																				
ZZZZZZ			02:18																				
ZZZZZZ			02:22																				
ZZZZZZ			02:26																				
ZZZZZZ			02:31																				
ZZZZZZ			02:35																				
ZZZZZZ			02:39																				
ZZZZZZ			02:44																				
CCV 180-46214/124			02:51																				
CCB11 180-46214/125			02:58																				
ZZZZZZ			03:02																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: M Method: 6020A

Start Date: 08/23/2012 14:34 End Date: 08/24/2012 03:30

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			03:07																				
ZZZZZZ			03:11																				
ZZZZZZ			03:15																				
CCV 180-46214/130			03:23																				
CCB12 180-46214/131			03:30																				

Prep Types

P = TCLP

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: M Method: 6020A

Start Date: 09/06/2012 13:29 End Date: 09/07/2012 01:10

Lab Sample ID	D/F	Type	Time	Analytes																			
				As	Ba	Fe	Mn	Pb	V														
ITUNE 180-47625/1			13:29																				
STD1 180-47625/2 IC	1		14:00	X	X	X	X	X	X														
STD2 180-47625/3 IC	1		14:06	X	X	X	X	X	X														
STD3 180-47625/4 IC	1		14:11	X	X	X	X	X	X														
ICV 180-47625/5	1		14:15	X	X	X	X	X	X														
ICB 180-47625/6	1		14:22	X	X	X	X	X	X														
CRI 180-47625/7	1		14:26	X	X	X	X	X	X														
ICSA 180-47625/8	1		14:31	X	X	X	X	X	X														
ICSAB 180-47625/9	1		14:35	X	X	X	X	X	X														
CCV 180-47625/10	1		14:43	X	X	X	X	X	X														
CCB1 180-47625/11	1		14:50	X	X	X	X	X	X														
ZZZZZZ			14:55																				
ZZZZZZ			14:59																				
ZZZZZZ			15:06																				
ZZZZZZ			15:10																				
ZZZZZZ			15:15																				
ZZZZZZ			15:19																				
ZZZZZZ			15:26																				
ZZZZZZ			15:31																				
ZZZZZZ			15:35																				
ZZZZZZ			15:39																				
CCV 180-47625/22			15:47																				
CCB2 180-47625/23			15:55																				
ZZZZZZ			15:59																				
ZZZZZZ			16:03																				
ZZZZZZ			16:08																				
ZZZZZZ			16:12																				
ZZZZZZ			16:16																				
ZZZZZZ			16:20																				
ZZZZZZ			16:25																				
ZZZZZZ			16:29																				
ZZZZZZ			16:33																				
ZZZZZZ			16:38																				
CCV 180-47625/34	1		16:45	X	X	X	X	X	X														
CCB3 180-47625/35	1		16:53	X	X	X	X	X	X														
ZZZZZZ			16:57																				
ZZZZZZ			17:01																				
ZZZZZZ			17:06																				
ZZZZZZ			17:10																				
MB 180-45945/1-A	1	R	17:22	X	X	X	X	X	X														
LCS 180-45945/2-A	1	R	17:26	X	X	X	X	X	X														
ZZZZZZ			17:33																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: M Method: 6020A

Start Date: 09/06/2012 13:29 End Date: 09/07/2012 01:10

Lab Sample ID	D/F	Type	Time	Analytes																			
				As	Ba	Fe	Mn	Pb	V														
180-13503-J-2-A SD ^5	5	D	17:37	X	X	X	X	X	X														
180-13503-J-2-B MS	1	D	17:42	X	X	X	X	X	X														
180-13503-J-2-C MSD	1	D	17:46	X	X	X	X	X	X														
CCV 180-47625/46	1		17:53	X	X	X	X	X	X														
CCB4 180-47625/47	1		18:01	X	X	X	X	X	X														
ZZZZZZ			18:06																				
ZZZZZZ			18:10																				
ZZZZZZ			18:14																				
ZZZZZZ			18:19																				
ZZZZZZ			18:23																				
ZZZZZZ			18:27																				
ZZZZZZ			18:32																				
ZZZZZZ			18:36																				
ZZZZZZ			18:40																				
180-13537-2	1	D	18:45	X	X	X	X	X	X														
CCV 180-47625/58	1		18:52	X	X	X	X	X	X														
CCB5 180-47625/59	1		19:00	X	X	X	X	X	X														
180-13537-3	1	D	19:04	X	X	X	X	X	X														
180-13537-4	1	D	19:08	X	X	X	X	X	X														
180-13537-5	1	D	19:13	X	X	X	X	X	X														
180-13537-6	1	D	19:17	X	X	X	X	X	X														
ZZZZZZ			19:25																				
CRI 180-47625/65	1		19:37	X	X	X	X	X	X														
ZZZZZZ			19:41																				
ZZZZZZ			19:45																				
ZZZZZZ			19:50																				
CCV 180-47625/69	1		19:57	X	X	X	X	X	X														
CCB6 180-47625/70	1		20:05	X	X	X	X	X	X														
ZZZZZZ			20:09																				
ZZZZZZ			20:14																				
ZZZZZZ			20:18																				
ZZZZZZ			20:22																				
ZZZZZZ			20:27																				
ZZZZZZ			20:31																				
ZZZZZZ			20:35																				
ZZZZZZ			20:40																				
ZZZZZZ			20:44																				
ZZZZZZ			20:48																				
CCV 180-47625/81			20:55																				
CCB7 180-47625/82			21:03																				
ZZZZZZ			21:08																				
ZZZZZZ			21:12																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: M Method: 6020A

Start Date: 09/06/2012 13:29 End Date: 09/07/2012 01:10

Lab Sample ID	D/F	Type	Time	Analytes																			
				As	Ba	Fe	Mn	Pb	V														
ZZZZZZ			21:19																				
ZZZZZZ			21:24																				
ZZZZZZ			21:28																				
ZZZZZZ			21:32																				
ZZZZZZ			21:37																				
ZZZZZZ			21:41																				
ZZZZZZ			21:45																				
ZZZZZZ			21:50																				
CCV 180-47625/93	1		21:57	X	X	X	X	X	X														
CCB8 180-47625/94	1		22:05	X	X	X	X	X	X														
ZZZZZZ			22:09																				
ZZZZZZ			22:14																				
ZZZZZZ			22:18																				
ZZZZZZ			22:22																				
ZZZZZZ			22:27																				
ZZZZZZ			22:31																				
ZZZZZZ			22:35																				
ZZZZZZ			22:40																				
ZZZZZZ			22:44																				
LCS 180-45944/2-A	1	T	22:48	X	X	X	X	X	X														
CCV 180-47625/105	1		22:56	X	X	X	X	X	X														
CCB9 180-47625/106	1		23:04	X	X	X	X	X	X														
MB 180-45944/1-A	1	T	23:11	X	X	X	X	X	X														
ZZZZZZ			23:15																				
180-13503-I-2-A SD ^5	5	T	23:20	X	X	X	X	X	X														
180-13503-I-2-B MS	1	T	23:24	X	X	X	X	X	X														
180-13503-I-2-C MSD	1	T	23:28	X	X	X	X	X	X														
ZZZZZZ			23:35																				
ZZZZZZ			23:40																				
ZZZZZZ			23:44																				
ZZZZZZ			23:48																				
ZZZZZZ			23:53																				
CCV 180-47625/117	1		00:00	X	X	X	X	X	X														
CCB10 180-47625/118	1		00:07	X	X	X	X	X	X														
ZZZZZZ			00:12																				
ZZZZZZ			00:16																				
ZZZZZZ			00:20																				
ZZZZZZ			00:25																				
180-13537-2	1	T	00:29	X	X	X	X	X	X														
180-13537-3	1	T	00:33	X	X	X	X	X	X														
180-13537-4	1	T	00:38	X	X	X	X	X	X														
180-13537-5	1	T	00:42	X	X	X	X	X	X														

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Instrument ID: M Method: 6020A

Start Date: 09/06/2012 13:29 End Date: 09/07/2012 01:10

Lab Sample ID	D/F	Type	Time	Analytes																			
				As	Ba	Fe	Mn	Pb	V														
180-13537-6	1	T	00:46	X	X	X	X	X	X														
CRI 180-47625/128	1		00:59	X	X	X	X	X	X														
CCV 180-47625/129	1		01:03	X	X	X	X	X	X														
CCB11 180-47625/130	1		01:10	X	X	X	X	X	X														

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.: 180-13537-1

SDG No.:

ICP-MS Instrument ID: M Start Date: 08/23/2012 End Date: 08/23/2012

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 180-46214/2 IC	16:35	100		100		100		100		100	
STD2 180-46214/3 IC	16:40	95		95		94		91		94	
STD3 180-46214/4 IC	16:45	94		92		92		92		93	
ICV 180-46214/5	16:49	95		95		95		92		95	
ICB 180-46214/6	16:56	97		95		106		96		96	
CRI 180-46214/7	17:01	98		102		92		97		98	
ICSA 180-46214/8	17:05	87		88		93		86		91	
ICSAB 180-46214/9	17:09	88		89		99		89		94	
CCV 180-46214/10	17:16	92		96		98		95		97	
CCB1 180-46214/11	17:24	97		98		100		101		100	
MB 180-45890/1-A	17:28	97		95		98		98		98	
LCS 180-45890/2-A	17:32	92		90		90		91		94	
180-13635-E-1-D SD	17:45	94		92		97		96		92	
180-13635-D-1-I MS	17:49	87		86		90		87		90	
180-13635-D-1-J MSD	17:53	87		87		91		89		92	
180-13537-7	18:10	98		88		91		94		94	
CCV 180-46214/22	18:21	90		90		94		92		94	
CCB2 180-46214/23	18:29	96		93		96		97		96	

FORM XV - IN

15-IN

ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

ICP-MS Instrument ID: M Start Date: 08/23/2012 End Date: 08/23/2012

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Tb	Q	Element Bi	Q	Element	Q	Element	Q	Element	Q
STD1 180-46214/2 IC	16:35	100		100							
STD2 180-46214/3 IC	16:40	97		96							
STD3 180-46214/4 IC	16:45	96		97							
ICV 180-46214/5	16:49	99		98							
ICB 180-46214/6	16:56	98		98							
CRI 180-46214/7	17:01	99		105							
ICSA 180-46214/8	17:05	98		99							
ICSAB 180-46214/9	17:09	101		97							
CCV 180-46214/10	17:16	101		97							
CCB1 180-46214/11	17:24	101		101							
MB 180-45890/1-A	17:28	100		101							
LCS 180-45890/2-A	17:32	101		97							
180-13635-E-1-D SD	17:45	102		99							
180-13635-D-1-I MS	17:49	99		91							
180-13635-D-1-J MSD	17:53	101		93							
180-13537-7	18:10	99		98							
CCV 180-46214/22	18:21	98		96							
CCB2 180-46214/23	18:29	98		99							

FORM XV - IN

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

ICP-MS Instrument ID: M Start Date: 09/06/2012 End Date: 09/07/2012

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 180-47625/2 IC	14:00	100		100		100		100		100	
STD2 180-47625/3 IC	14:06	94		93		94		90		90	
STD3 180-47625/4 IC	14:11	97		94		96		95		95	
ICV 180-47625/5	14:15	95		94		95		92		92	
ICB 180-47625/6	14:22	99		97		99		98		98	
CRI 180-47625/7	14:26	101		99		98		99		98	
ICSA 180-47625/8	14:31	86		88		91		89		91	
ICSAB 180-47625/9	14:35	91		92		96		91		93	
CCV 180-47625/10	14:43	91		93		99		98		99	
CCB1 180-47625/11	14:50	98		100		102		103		103	
CCV 180-47625/34	16:45	91		93		96		97		98	
CCB3 180-47625/35	16:53	99		98		104		103		103	
MB 180-45945/1-A	17:22	113		118		118		103		103	
LCS 180-45945/2-A	17:26	90		83		85		86		86	
180-13503-J-2-A SD	17:37	96		100		91		94		93	
180-13503-J-2-B MS	17:42	95		81		85		85		86	
180-13503-J-2-C MSD	17:46	93		81		85		86		86	
CCV 180-47625/46	17:53	87		88		90		91		92	
CCB4 180-47625/47	18:01	102		100		102		106		98	
180-13537-2	18:45	95		85		87		89		91	
CCV 180-47625/58	18:52	85		88		90		91		92	
CCB5 180-47625/59	19:00	94		101		99		96		97	
180-13537-3	19:04	91		81		83		85		87	
180-13537-4	19:08	94		83		86		89		91	
180-13537-5	19:13	92		83		85		88		90	
180-13537-6	19:17	92		84		87		89		91	
CRI 180-47625/65	19:37	92		98		97		95		96	
CCV 180-47625/69	19:57	90		88		89		90		91	
CCB6 180-47625/70	20:05	92		90		100		95		95	
CCV 180-47625/93	21:57	84		84		82		84		85	
CCB8 180-47625/94	22:05	94		96		94		89		100	
LCS 180-45944/2-A	22:48	89		79		79		81		81	
CCV 180-47625/105	22:56	85		84		83		84		85	
CCB9 180-47625/106	23:04	95		100		98		104		103	
MB 180-45944/1-A	23:11	97		99		97		103		102	
180-13503-I-2-A SD	23:20	89		78		85		88		89	
180-13503-I-2-B MS	23:24	87		80		81		82		83	
180-13503-I-2-C MSD	23:28	88		80		82		83		84	
CCV 180-47625/117	00:00	86		89		90		90		92	
CCB10 180-47625/118	00:07	97		104		104		110		104	
180-13537-2	00:29	86		87		111		87		88	
180-13537-3	00:33	88		82		84		87		89	

FORM XV - IN

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

ICP-MS Instrument ID: M Start Date: 09/06/2012 End Date: 09/07/2012

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc	Q	Element Y-89	Q	Element Rh-103	Q	Element In	Q
180-13537-4	00:38	90		84		86		89		91	
180-13537-5	00:42	89		83		85		89		91	
180-13537-6	00:46	87		82		89		87		89	
CRI 180-47625/128	00:59	102		107		100		106		105	
CCV 180-47625/129	01:03	85		90		91		89		91	
CCB11 180-47625/130	01:10	99		105		101		113		105	

FORM XV - IN

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

ICP-MS Instrument ID: M Start Date: 09/06/2012 End Date: 09/07/2012

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Tb	Q	Element Bi	Q	Element	Q	Element	Q	Element	Q
STD1 180-47625/2 IC	14:00	100		100							
STD2 180-47625/3 IC	14:06	94		91							
STD3 180-47625/4 IC	14:11	97		97							
ICV 180-47625/5	14:15	95		93							
ICB 180-47625/6	14:22	98		97							
CRI 180-47625/7	14:26	100		100							
ICSA 180-47625/8	14:31	97		97							
ICSAB 180-47625/9	14:35	98		96							
CCV 180-47625/10	14:43	101		98							
CCB1 180-47625/11	14:50	103		102							
CCV 180-47625/34	16:45	97		94							
CCB3 180-47625/35	16:53	99		108							
MB 180-45945/1-A	17:22	100		105							
LCS 180-45945/2-A	17:26	88		84							
180-13503-J-2-A SD	17:37	94		89							
180-13503-J-2-B MS	17:42	89		88							
180-13503-J-2-C MSD	17:46	89		89							
CCV 180-47625/46	17:53	93		90							
CCB4 180-47625/47	18:01	97		103							
180-13537-2	18:45	91		89							
CCV 180-47625/58	18:52	94		91							
CCB5 180-47625/59	19:00	96		109							
180-13537-3	19:04	89		87							
180-13537-4	19:08	92		90							
180-13537-5	19:13	90		89							
180-13537-6	19:17	93		91							
CRI 180-47625/65	19:37	95		104							
CCV 180-47625/69	19:57	93		91							
CCB6 180-47625/70	20:05	95		107							
CCV 180-47625/93	21:57	87		85							
CCB8 180-47625/94	22:05	99		108							
LCS 180-45944/2-A	22:48	85		80							
CCV 180-47625/105	22:56	87		84							
CCB9 180-47625/106	23:04	102		104							
MB 180-45944/1-A	23:11	103		105							
180-13503-I-2-A SD	23:20	85		85							
180-13503-I-2-B MS	23:24	86		85							
180-13503-I-2-C MSD	23:28	87		86							
CCV 180-47625/117	00:00	92		90							
CCB10 180-47625/118	00:07	105		102							
180-13537-2	00:29	93		89							
180-13537-3	00:33	91		90							

FORM XV - IN

15-IN

ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

METALS

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

ICP-MS Instrument ID: M Start Date: 09/06/2012 End Date: 09/07/2012

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Tb	Q	Element Bi	Q	Element	Q	Element	Q	Element	Q
180-13537-4	00:38	92		90							
180-13537-5	00:42	91		90							
180-13537-6	00:46	92		88							
CRI 180-47625/128	00:59	95		107							
CCV 180-47625/129	01:03	92		90							
CCB11 180-47625/130	01:10	107		105							

FORM XV - IN

Dilution Corrected Concentrations

STD1 507326 INT STD 8/23/2012 4:35:26 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:36:08	99.339%	-0.004	0.120	0.025	0.000	-1.024	0.337	0.008
2	16:36:52	100.004%	0.021	0.284	-0.001	0.000	-1.267	-0.217	-0.124
3	16:37:35	100.657%	-0.017	-0.404	-0.024	0.000	2.291	-0.120	0.117
x		100.000%	0.000	-0.000	0.000	0.000	-0.000	-0.000	-0.000
σ		0.659%	0.020	0.359	0.024	0.000	1.988	0.296	0.121
%RSD		0.659	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:36:08	-0.140	-0.038	0.000	2.800	10.200	1.147	99.159%	0.011
2	16:36:52	0.179	0.318	0.000	-2.321	-5.229	-1.426	100.750%	0.010
3	16:37:35	-0.039	-0.280	0.000	-0.479	-4.971	0.279	100.091%	-0.021
x		0.000	0.000	0.000	0.000	-0.000	0.000	100.000%	0.000
σ		0.163	0.301	0.000	2.594	8.834	1.309	0.800%	0.018
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0.800	0.000

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:36:08	0.020	-0.028	-0.010	0.735	2.011	0.003	-0.012	0.033
2	16:36:52	-0.015	0.041	-0.007	-1.201	-0.537	0.002	0.014	-0.017
3	16:37:35	-0.004	-0.013	0.016	0.466	-1.473	-0.006	-0.002	-0.016
x		-0.000	0.000	0.000	0.000	-0.000	-0.000	-0.000	0.000
σ		0.018	0.036	0.014	1.049	1.803	0.005	0.013	0.029
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:36:08	-0.027	-0.125	0.023	0.010	0.135	0.686	0.000	0.003
2	16:36:52	-0.001	0.070	-0.026	0.429	-0.172	2.078	0.000	-0.003
3	16:37:35	0.028	0.056	0.003	-0.439	0.038	-2.764	0.000	0.000
x		0.000	-0.000	0.000	-0.000	-0.000	0.000	0.000	-0.000
σ		0.028	0.109	0.025	0.435	0.157	2.493	0.000	0.003
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:36:08	98.302%	0.001	0.016	98.742%	-0.001	0.001	-0.013	-0.026
2	16:36:52	100.698%	0.006	-0.015	100.327%	0.005	-0.001	0.038	0.026
3	16:37:35	100.999%	-0.007	-0.001	100.932%	-0.004	-0.000	-0.025	0.000
x		100.000%	0.000	-0.000	100.000%	-0.000	-0.000	-0.000	0.000
σ		1.478%	0.006	0.016	1.131%	0.004	0.001	0.034	0.026
%RSD		1.478	0.000	0.000	1.131	0.000	0.000	0.000	0.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:36:08	98.121%	0.024	0.030	-0.012	-0.008	-0.001	98.071%	98.425%
2	16:36:52	100.384%	0.049	-0.022	0.002	-0.015	-0.002	100.518%	100.326%
3	16:37:35	101.496%	-0.073	-0.008	0.010	0.024	0.004	101.411%	101.250%
x		100.000%	-0.000	0.000	-0.000	-0.000	-0.000	100.000%	100.000%
σ		1.720%	0.064	0.026	0.011	0.021	0.003	1.729%	1.440%
%RSD		1.720	0.000	0.000	0.000	0.000	0.000	1.729	1.440

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:36:08	0.002	0.000	-0.008	-0.011	-0.003	98.990%
2	16:36:52	0.009	0.005	0.006	0.001	0.003	100.187%
3	16:37:35	-0.011	-0.006	0.002	0.010	0.001	100.823%
x		0.000	0.000	0.000	0.000	0.000	100.000%
σ		0.010	0.006	0.007	0.010	0.003	0.931%
%RSD		0.000	0.000	0.000	0.000	0.000	0.931

STD2 496053 8/23/2012 4:40:47 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:41:29	94.522%	201.600	2.163	1.594	0.000	100400.000	99370.000	99370.000
2	16:42:12	94.813%	196.300	1.160	1.954	0.000	100100.000	100200.000	100200.000
3	16:42:55	94.665%	202.100	1.616	1.746	0.000	99480.000	100500.000	100500.000
x		94.667%	200.000	1.647	1.765	0.000	100000.000	100000.000	100000.000
σ		0.145%	3.213	0.502	0.180	0.000	466.200	565.900	568.300
%RSD		0.154	1.606	30.490	10.230	0.000	0.466	0.566	0.568

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:41:29	994.300	2.527	0.000	100000.000	100200.000	99570.000	95.111%	0.225
2	16:42:12	999.600	3.035	0.000	99790.000	100200.000	99900.000	94.863%	0.192
3	16:42:55	1006.000	3.029	0.000	100200.000	99560.000	100500.000	94.884%	0.209
x		1000.000	2.863	0.000	100000.000	100000.000	100000.000	94.953%	0.209
σ		5.864	0.292	0.000	192.000	383.600	485.200	0.138%	0.016
%RSD		0.586	10.180	0.000	0.192	0.384	0.485	0.145	7.754

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:41:29	199.100	199.500	998.400	49990.000	49960.000	199.500	201.300	199.500
2	16:42:12	200.100	199.500	997.800	49890.000	49910.000	200.100	199.800	200.000
3	16:42:55	200.800	201.000	1004.000	50120.000	50120.000	200.400	198.900	200.500
x		200.000	200.000	1000.000	50000.000	50000.000	200.000	200.000	200.000
σ		0.881	0.831	3.288	112.900	108.300	0.439	1.216	0.498
%RSD		0.440	0.416	0.329	0.226	0.217	0.219	0.608	0.249

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:41:29	201.500	197.100	198.000	197.900	197.600	193.800	0.000	199.800
2	16:42:12	200.100	201.600	200.200	199.200	198.700	200.100	0.000	199.400
3	16:42:55	198.500	201.200	201.800	203.000	203.600	206.100	0.000	200.800
x		200.000	200.000	200.000	200.000	200.000	200.000	0.000	200.000
σ		1.511	2.488	1.940	2.634	3.189	6.154	0.000	0.714
%RSD		0.755	1.244	0.970	1.317	1.594	3.077	0.000	0.357

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:41:29	93.175%	0.239	0.172	90.287%	198.900	199.000	199.100	199.800
2	16:42:12	94.634%	0.333	0.246	90.335%	201.500	201.400	200.200	200.200
3	16:42:55	94.167%	0.326	0.259	91.509%	199.600	199.600	200.700	199.900
x		93.992%	0.299	0.225	90.710%	200.000	200.000	200.000	200.000
σ		0.745%	0.052	0.047	0.692%	1.352	1.268	0.822	0.194
%RSD		0.793	17.420	20.880	0.763	0.676	0.634	0.411	0.097

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:41:29	93.285%	-0.171	0.061	0.104	200.400	200.100	96.329%	96.399%
2	16:42:12	94.537%	-0.138	0.107	0.085	198.800	200.200	97.693%	98.251%
3	16:42:55	94.745%	-0.083	0.072	0.100	200.900	199.700	97.909%	98.496%
x		94.189%	-0.131	0.080	0.096	200.000	200.000	97.310%	97.715%
σ		0.790%	0.044	0.024	0.010	1.077	0.225	0.857%	1.146%
%RSD		0.839	33.990	30.150	10.530	0.539	0.113	0.881	1.173

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:41:29	196.000	195.900	195.300	195.900	195.700	96.318%
2	16:42:12	200.800	201.100	201.800	200.900	201.500	95.514%
3	16:42:55	203.100	203.000	202.900	203.200	202.700	95.387%
x		200.000	200.000	200.000	200.000	200.000	95.740%
σ		3.621	3.647	4.085	3.724	3.734	0.505%
%RSD		1.810	1.824	2.043	1.862	1.867	0.528

STD3 496054 8/23/2012 4:45:03 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:45:47	93.626%	0.399	199.400	201.500	0.000	153.400	108.000	107.200
2	16:46:29	94.258%	0.136	202.400	199.100	0.000	147.500	103.500	106.500
3	16:47:12	94.814%	0.162	198.200	199.300	0.000	142.100	102.900	102.900
x		94.233%	0.232	200.000	200.000	0.000	147.700	104.800	105.500
σ		0.595%	0.145	2.158	1.339	0.000	5.642	2.793	2.291
%RSD		0.631	62.420	1.079	0.669	0.000	3.820	2.666	2.171

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:45:47	16.930	9961.000	0.000	111.300	70.930	166.400	91.519%	201.100
2	16:46:29	17.210	10040.000	0.000	100.300	169.300	174.600	91.739%	200.000
3	16:47:12	16.520	9994.000	0.000	93.530	143.400	171.000	92.766%	198.900
x		16.890	10000.000	0.000	101.700	127.900	170.700	92.008%	200.000
σ		0.345	41.770	0.000	8.971	51.000	4.082	0.665%	1.139
%RSD		2.044	0.418	0.000	8.820	39.880	2.392	0.723	0.569

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:45:47	0.478	0.346	1.680	227.000	223.700	0.244	0.240	0.515
2	16:46:29	0.409	0.261	1.710	140.500	137.100	0.225	0.279	0.556
3	16:47:12	0.364	0.260	1.724	116.100	108.800	0.205	0.254	0.551
x		0.417	0.289	1.705	161.200	156.600	0.225	0.257	0.540
σ		0.058	0.049	0.023	58.300	59.860	0.020	0.020	0.022
%RSD		13.780	16.990	1.329	36.170	38.230	8.679	7.709	4.065

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:45:47	0.637	0.482	0.374	0.589	7.047	1.077	0.000	1.395
2	16:46:29	0.620	0.650	0.537	0.693	2.899	0.105	0.000	1.374
3	16:47:12	0.592	0.737	0.336	0.812	2.573	2.174	0.000	1.416
x		0.617	0.623	0.416	0.698	4.173	1.119	0.000	1.395
σ		0.023	0.130	0.107	0.112	2.494	1.035	0.000	0.021
%RSD		3.729	20.850	25.780	16.030	59.760	92.520	0.000	1.481

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:45:47	90.405%	196.400	195.600	90.514%	0.318	0.326	0.243	-0.249
2	16:46:29	93.058%	200.700	200.900	92.745%	0.290	0.282	0.300	-0.149
3	16:47:12	93.120%	203.000	203.600	93.497%	0.271	0.277	0.289	-0.104
x		92.194%	200.000	200.000	92.252%	0.293	0.295	0.277	-0.167
σ		1.550%	3.342	4.071	1.551%	0.024	0.027	0.030	0.074
%RSD		1.681	1.671	2.036	1.682	8.104	9.123	10.940	44.390

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:45:47	91.570%	198.300	199.100	198.300	0.768	0.920	93.881%	93.874%
2	16:46:29	93.279%	201.100	200.700	201.100	0.768	0.892	96.331%	96.708%
3	16:47:12	94.777%	200.600	200.200	200.600	0.785	0.804	97.714%	98.227%
x		93.209%	200.000	200.000	200.000	0.774	0.872	95.976%	96.270%
σ		1.605%	1.477	0.802	1.478	0.010	0.060	1.941%	2.209%
%RSD		1.722	0.738	0.401	0.739	1.282	6.927	2.022	2.295

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:45:47	0.180	0.159	0.524	0.603	0.566	94.860%
2	16:46:29	0.174	0.156	0.464	0.458	0.473	97.625%
3	16:47:12	0.151	0.160	0.432	0.494	0.436	99.187%
x		0.168	0.159	0.474	0.518	0.491	97.224%
σ		0.015	0.002	0.047	0.075	0.067	2.192%
%RSD		9.123	1.304	9.854	14.540	13.650	2.254

ICV 496056 8/23/2012 4:49:22 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	16:50:05	94.628%	74.760	81.280	77.690	0.000	38970.000	38040.000	37850.000
2	16:50:47	94.666%	75.300	79.600	79.630	0.000	38670.000	38740.000	38610.000
3	16:51:30	95.826%	76.230	80.800	76.550	0.000	37950.000	38890.000	38830.000
x		95.040%	94.287%	100.703%	97.448%	0.000	96.332%	96.397%	96.068%
σ		0.681%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.716	0.984	1.072	2.000	0.000	1.355	1.175	1.340

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:50:05	380.800	4311.000	0.000	39500.000	38620.000	37060.000	94.058%	77.970
2	16:50:47	392.300	4435.000	0.000	39160.000	38350.000	36960.000	95.242%	81.790
3	16:51:30	392.500	4390.000	0.000	39270.000	38340.000	36990.000	95.084%	78.990
x		97.134%	109.461%	0.000	98.269%	96.089%	92.510%	94.795%	99.477%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.643%	n/a
%RSD		1.718	1.429	0.000	0.450	0.415	0.135	0.678	2.485

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:50:05	76.550	78.140	384.700	19380.000	19160.000	77.560	78.740	78.430
2	16:50:47	77.360	78.810	391.100	19440.000	19340.000	77.840	77.010	78.970
3	16:51:30	76.240	78.980	390.800	19510.000	19330.000	77.360	76.840	78.550
x		95.893%	98.304%	97.215%	97.226%	96.394%	96.982%	96.913%	98.308%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.754	0.565	0.929	0.351	0.542	0.310	1.356	0.359

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:50:05	78.640	78.590	78.930	78.180	80.150	78.860	0.000	76.680
2	16:50:47	77.840	77.650	78.820	78.800	80.220	78.160	0.000	76.630
3	16:51:30	77.560	77.900	79.250	77.160	77.650	73.440	0.000	76.590
x		97.518%	97.554%	98.749%	97.561%	99.177%	96.029%	0.000	95.793%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.722	0.622	0.281	1.060	1.847	3.837	0.000	0.064

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:50:05	92.510%	80.160	80.430	90.721%	77.110	76.930	77.670	78.440
2	16:50:47	95.399%	80.470	81.710	92.836%	77.240	77.790	78.710	77.870
3	16:51:30	97.239%	82.070	81.810	93.269%	77.470	77.370	77.870	78.000
x		95.049%	101.126%	101.644%	92.275%	96.590%	96.702%	97.602%	97.630%
σ		2.384%	n/a	n/a	1.363%	n/a	n/a	n/a	n/a
%RSD		2.508	1.267	0.943	1.478	0.239	0.552	0.708	0.380

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:50:05	93.393%	79.830	78.950	79.070	78.310	78.030	96.572%	96.224%
2	16:50:47	95.684%	79.720	78.280	79.450	80.010	78.720	98.476%	100.159%
3	16:51:30	97.203%	78.850	77.860	78.540	79.340	78.570	100.363%	100.883%
x		95.427%	99.332%	97.956%	98.775%	99.022%	98.052%	98.470%	99.088%
σ		1.918%	n/a	n/a	n/a	n/a	n/a	1.896%	2.507%
%RSD		2.010	0.680	0.704	0.584	1.082	0.463	1.925	2.530

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:50:05	79.100	79.470	77.210	76.540	77.040	96.704%
2	16:50:47	80.390	80.750	78.090	77.890	78.030	98.763%
3	16:51:30	81.310	81.640	79.010	79.570	79.030	99.013%
x		100.335%	100.771%	97.628%	97.499%	97.541%	98.160%
σ		n/a	n/a	n/a	n/a	n/a	1.267%
%RSD		1.383	1.351	1.157	1.943	1.275	1.291

ICB 8/23/2012 4:56:40 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	16:57:22	96.645%	0.091	0.416	0.944	0.000	3.799	-0.401	-0.386
2	16:58:06	96.500%	0.038	0.328	0.528	0.000	5.454	-0.251	-0.252
3	16:58:49	96.393%	0.024	0.953	0.491	0.000	6.240	-0.352	-0.622
x		96.513%	0.051	0.566	0.654	0.000	5.164	-0.335	-0.420
σ		0.126%	0.035	0.338	0.251	0.000	1.246	0.077	0.187
%RSD		0.131	69.020	59.840	38.400	0.000	24.130	22.960	44.620

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:57:22	-1.446	-0.868	0.000	3.537	-33.290	-25.800	94.184%	0.061
2	16:58:06	-1.568	-0.443	0.000	-0.910	-44.170	-25.300	94.635%	0.012
3	16:58:49	-1.721	-1.126	0.000	-2.296	-33.380	-23.610	94.757%	0.028
x		-1.578	-0.812	0.000	0.110	-36.950	-24.900	94.525%	0.034
σ		0.138	0.345	0.000	3.047	6.256	1.147	0.302%	0.025
%RSD		8.736	42.460	0.000	2764.000	16.930	4.607	0.319	74.520

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:57:22	0.060	0.040	-0.017	7.238	10.040	-0.002	-0.055	0.041
2	16:58:06	0.067	-0.019	-0.038	3.995	7.111	0.005	-0.086	0.006
3	16:58:49	0.084	0.011	-0.012	1.690	0.844	0.006	-0.037	0.011
x		0.070	0.010	-0.022	4.308	6.000	0.003	-0.059	0.019
σ		0.012	0.030	0.014	2.787	4.700	0.004	0.025	0.019
%RSD		17.480	283.400	61.440	64.700	78.330	134.100	42.130	100.300

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:57:22	0.089	-0.509	-0.632	-0.744	0.775	-5.240	0.000	-0.023
2	16:58:06	0.080	-0.447	-0.614	-0.685	-1.344	-5.519	0.000	-0.020
3	16:58:49	0.050	-0.450	-0.466	-0.753	-0.915	-6.325	0.000	-0.031
x		0.073	-0.469	-0.571	-0.727	-0.495	-5.695	0.000	-0.025
σ		0.021	0.035	0.091	0.037	1.120	0.564	0.000	0.006
%RSD		28.270	7.507	15.910	5.063	226.500	9.897	0.000	23.010

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:57:22	103.383%	0.541	0.532	93.485%	0.008	0.008	-0.055	-0.036
2	16:58:06	106.739%	0.520	0.478	96.302%	-0.001	0.030	0.020	0.027
3	16:58:49	107.830%	0.384	0.408	96.954%	0.007	0.004	-0.007	-0.010
x		105.984%	0.482	0.473	95.580%	0.005	0.014	-0.014	-0.006
σ		2.317%	0.085	0.062	1.844%	0.005	0.014	0.038	0.032
%RSD		2.186	17.670	13.190	1.929	106.200	103.200	267.000	507.200

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:57:22	93.330%	-0.463	-0.044	-0.026	-0.048	-0.037	94.925%	95.122%
2	16:58:06	96.393%	-0.477	-0.028	-0.043	-0.043	-0.027	97.610%	98.162%
3	16:58:49	98.104%	-0.535	-0.048	-0.041	-0.049	-0.031	99.838%	99.690%
x		95.942%	-0.492	-0.040	-0.037	-0.047	-0.032	97.458%	97.658%
σ		2.419%	0.038	0.011	0.009	0.003	0.005	2.460%	2.325%
%RSD		2.521	7.804	26.520	24.680	7.187	15.370	2.524	2.381

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:57:22	-0.013	-0.008	0.058	0.061	0.077	95.640%
2	16:58:06	-0.012	-0.006	0.022	0.008	0.020	98.457%
3	16:58:49	-0.010	-0.010	0.014	0.013	0.010	98.907%
x		-0.012	-0.008	0.031	0.027	0.036	97.668%
σ		0.001	0.002	0.023	0.029	0.037	1.771%
%RSD		12.720	19.390	74.190	105.600	102.100	1.813

CRI 520760 8/23/2012 5:01:01 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	17:01:44	97.082%	0.869	5.153	6.469	0.000	114.900	110.100	106.300
2	17:02:27	99.109%	0.825	7.112	5.782	0.000	111.200	109.200	109.900
3	17:03:09	98.366%	0.766	5.168	6.031	0.000	116.400	112.900	111.600
x		98.185%	82.001%	116.226%	121.881%	0.000	114.176%	110.755%	109.281%
σ		1.026%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.045	6.284	19.390	5.706	0.000	2.359	1.753	2.461

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:01:44	29.210	470.700	0.000	89.790	66.950	83.580	101.325%	4.731
2	17:02:27	29.670	471.200	0.000	86.310	90.760	89.500	101.812%	5.104
3	17:03:09	29.510	475.000	0.000	85.710	95.430	90.430	101.592%	4.606
x		98.210%	94.457%	0.000	87.269%	84.379%	87.835%	101.576%	96.276%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.244%	n/a
%RSD		0.804	0.494	0.000	2.525	18.100	4.228	0.240	5.378

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:01:44	0.962	1.845	5.119	62.230	64.190	0.499	0.977	2.118
2	17:02:27	1.040	1.758	5.208	61.380	61.050	0.514	1.048	1.986
3	17:03:09	0.919	1.895	5.180	61.280	59.690	0.552	0.973	2.064
x		97.377%	91.648%	1033.804%	123.254%	123.281%	104.377%	99.927%	102.805%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		6.324	3.786	0.885	0.846	3.750	5.225	4.236	3.215

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:01:44	2.238	4.612	4.529	0.813	6.914	4.019	0.000	5.323
2	17:02:27	1.940	4.363	4.477	0.874	5.414	4.833	0.000	5.259
3	17:03:09	2.097	4.517	4.913	1.090	5.351	6.139	0.000	5.280
x		104.584%	89.945%	92.786%	92.587%	117.859%	99.934%	0.000	105.751%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		7.134	2.790	5.133	15.700	15.020	21.400	0.000	0.614

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:01:44	90.880%	4.887	4.913	95.610%	0.971	0.996	1.075	0.987
2	17:02:27	92.748%	4.958	4.777	98.010%	0.944	1.010	1.095	0.990
3	17:03:09	93.084%	5.283	5.252	98.431%	0.990	0.971	1.010	0.988
x		92.237%	100.847%	99.615%	97.350%	96.830%	99.231%	106.003%	98.827%
σ		1.188%	n/a	n/a	1.522%	n/a	n/a	n/a	n/a
%RSD		1.287	4.187	4.916	1.563	2.403	1.973	4.196	0.161

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:01:44	95.683%	4.325	1.895	2.057	9.491	9.474	97.733%	98.207%
2	17:02:27	98.190%	4.357	1.855	1.937	10.170	9.981	99.463%	100.635%
3	17:03:09	98.502%	4.545	1.952	1.920	9.365	9.709	100.643%	100.762%
x		97.458%	88.183%	95.030%	98.562%	96.766%	97.211%	99.279%	99.868%
σ		1.545%	n/a	n/a	n/a	n/a	n/a	1.464%	1.440%
%RSD		1.586	2.687	2.549	3.781	4.498	2.610	1.474	1.442

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:01:44	0.959	0.925	1.080	1.155	1.092	104.353%
2	17:02:27	0.946	0.920	1.154	1.041	1.061	105.809%
3	17:03:09	1.027	0.947	1.094	1.056	1.077	105.947%
x		97.757%	93.069%	110.927%	108.403%	107.688%	105.370%
σ		n/a	n/a	n/a	n/a	n/a	0.883%
%RSD		4.468	1.567	3.527	5.704	1.428	0.838

ICSA 487943 8/23/2012 5:05:20 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:06:03	88.524%	0.032	3.441	2.515	0.000	105300.000	110100.000	111300.000
2	17:06:46	87.767%	0.018	2.101	1.996	0.000	105800.000	112900.000	113600.000
3	17:07:29	85.948%	0.004	2.652	2.723	0.000	105500.000	114300.000	115800.000
x		87.413%	0.018	2.732	2.411	0.000	105500.000	112400.000	113600.000
σ		1.324%	0.014	0.673	0.375	0.000	247.900	2123.000	2241.000
%RSD		1.515	78.060	24.650	15.530	0.000	0.235	1.888	1.973

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:06:03	109200.000	28.220	0.000	109500.000	109300.000	110600.000	87.139%	2263.000
2	17:06:46	111400.000	27.790	0.000	107900.000	108500.000	110600.000	88.065%	2258.000
3	17:07:29	112700.000	29.240	0.000	107100.000	107700.000	109900.000	88.724%	2254.000
x		111100.000	28.410	0.000	108200.000	108500.000	110400.000	87.976%	2258.000
σ		1806.000	0.744	0.000	1227.000	811.800	385.100	0.797%	4.199
%RSD		1.626	2.620	0.000	1.134	0.748	0.349	0.906	0.186

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:06:03	-0.344	0.228	1.543	110900.000	110600.000	0.163	0.427	1.079
2	17:06:46	-0.378	0.368	1.525	111300.000	110400.000	0.162	0.404	1.083
3	17:07:29	-0.402	0.323	1.533	110800.000	110200.000	0.166	0.245	1.149
x		-0.375	0.306	1.534	111000.000	110400.000	0.164	0.358	1.104
σ		0.029	0.071	0.009	294.800	229.300	0.002	0.099	0.040
%RSD		7.858	23.190	0.559	0.266	0.208	0.998	27.750	3.579

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:06:03	1.296	4.119	3.339	0.708	1.388	-0.531	0.000	0.915
2	17:06:46	1.319	3.988	2.926	0.578	0.200	-0.823	0.000	0.951
3	17:07:29	1.301	4.036	2.930	0.558	-0.711	0.971	0.000	0.948
x		1.305	4.048	3.065	0.615	0.292	-0.127	0.000	0.938
σ		0.012	0.066	0.237	0.081	1.053	0.963	0.000	0.020
%RSD		0.923	1.633	7.740	13.220	360.500	755.500	0.000	2.101

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:06:03	90.776%	2196.000	2214.000	85.652%	0.188	0.176	0.885	0.609
2	17:06:46	92.743%	2265.000	2206.000	84.798%	0.219	0.196	0.755	0.586
3	17:07:29	94.265%	2247.000	2097.000	88.759%	0.137	0.158	0.883	0.715
x		92.595%	2236.000	2172.000	86.403%	0.181	0.177	0.841	0.637
σ		1.749%	35.900	65.410	2.084%	0.042	0.019	0.074	0.069
%RSD		1.889	1.606	3.011	2.412	22.980	10.790	8.828	10.860

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:06:03	88.729%	0.541	0.420	0.374	0.462	0.492	94.549%	96.122%
2	17:06:46	91.344%	0.312	0.360	0.360	0.457	0.436	98.303%	99.687%
3	17:07:29	92.092%	0.102	0.325	0.344	0.374	0.475	99.656%	100.896%
x		90.722%	0.318	0.368	0.359	0.431	0.468	97.503%	98.902%
σ		1.766%	0.219	0.048	0.015	0.049	0.028	2.646%	2.482%
%RSD		1.947	69.000	13.060	4.215	11.450	6.073	2.713	2.509

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:06:03	0.037	0.052	0.443	0.502	0.448	100.139%
2	17:06:46	0.051	0.050	0.450	0.451	0.445	98.695%
3	17:07:29	0.047	0.042	0.462	0.480	0.457	98.235%
x		0.045	0.048	0.452	0.478	0.450	99.023%
σ		0.007	0.006	0.010	0.026	0.006	0.993%
%RSD		15.720	11.650	2.109	5.389	1.349	1.003

ICSAB 487944 8/23/2012 5:09:41 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	17:10:24	88.069%	20.290	52.370	53.610	0.000	104200.000	109900.000	110900.000
2	17:11:07	87.849%	20.360	53.670	54.100	0.000	103000.000	110800.000	112500.000
3	17:11:49	89.071%	21.240	52.680	53.020	0.000	102100.000	111100.000	113100.000
x		88.329%	103.157%	105.816%	107.150%	0.000	103.088%	110.589%	112.201%
σ		0.651%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.737	2.546	1.289	1.013	0.000	1.003	0.578	1.014

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:24	108700.000	565.900	0.000	106300.000	106700.000	108500.000	88.021%	2208.000
2	17:11:07	110000.000	572.500	0.000	105000.000	105700.000	107600.000	89.305%	2207.000
3	17:11:49	110600.000	575.000	0.000	104500.000	105200.000	106900.000	89.775%	2220.000
x		109.775%	114.227%	0.000	105.292%	105.858%	107.659%	89.034%	110.594%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.908%	n/a
%RSD		0.886	0.817	0.000	0.882	0.720	0.722	1.020	0.321

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:24	20.950	21.850	22.560	108000.000	107500.000	20.940	21.040	21.620
2	17:11:07	20.570	21.840	22.510	107600.000	107000.000	20.680	21.020	21.480
3	17:11:49	20.970	21.580	22.590	107900.000	107500.000	20.880	20.590	21.380
x		104.156%	108.776%	98.060%	107.815%	107.327%	104.164%	104.424%	107.477%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.091	0.696	0.167	0.172	0.247	0.633	1.238	0.566

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:24	21.830	26.970	25.070	20.260	54.540	48.320	0.000	20.510
2	17:11:07	21.630	26.350	25.130	20.840	53.200	51.370	0.000	20.500
3	17:11:49	21.490	25.480	24.260	21.160	51.640	50.060	0.000	20.430
x		108.248%	105.066%	99.273%	103.758%	106.257%	99.836%	0.000	102.412%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.804	2.851	1.957	2.192	2.732	3.066	0.000	0.213

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:24	96.884%	2117.000	2084.000	86.948%	21.490	20.980	22.180	22.310
2	17:11:07	99.764%	2134.000	2034.000	89.652%	21.300	21.280	21.800	21.990
3	17:11:49	101.691%	2138.000	2081.000	90.747%	21.450	21.290	22.310	21.560
x		99.446%	106.486%	103.331%	89.116%	107.063%	105.920%	110.480%	109.758%
σ		2.419%	n/a	n/a	1.955%	n/a	n/a	n/a	n/a
%RSD		2.433	0.523	1.349	2.194	0.463	0.837	1.211	1.703

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:24	91.867%	108.500	21.580	21.450	21.740	21.770	98.208%	99.366%
2	17:11:07	94.580%	107.800	21.860	22.010	21.820	21.570	101.433%	102.288%
3	17:11:49	95.105%	109.100	21.400	21.810	21.250	20.740	102.352%	103.740%
x		93.851%	108.483%	108.075%	108.796%	108.022%	106.799%	100.664%	101.798%
σ		1.738%	n/a	n/a	n/a	n/a	n/a	2.176%	2.228%
%RSD		1.852	0.640	1.074	1.291	1.440	2.545	2.162	2.189

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:24	21.120	21.410	21.980	21.940	22.040	95.551%
2	17:11:07	21.410	21.730	22.070	21.900	22.150	97.930%
3	17:11:49	21.920	21.890	22.490	22.930	22.650	98.467%
x		107.422%	108.386%	110.922%	111.276%	111.409%	97.316%
σ		n/a	n/a	n/a	n/a	n/a	1.552%
%RSD		1.883	1.145	1.224	2.627	1.469	1.595

CCV 496055 8/23/2012 5:16:57 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	17:17:40	91.972%	96.740	93.120	91.920	0.000	47460.000	48860.000	48710.000
2	17:18:23	92.402%	93.380	94.660	94.680	0.000	47510.000	49490.000	49610.000
3	17:19:06	92.225%	94.620	91.450	92.400	0.000	47220.000	50040.000	50190.000
x		92.200%	94.913%	93.074%	92.999%	0.000	94.799%	98.927%	99.013%
σ		0.216%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.234	1.793	1.728	1.586	0.000	0.327	1.187	1.505

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:17:40	492.500	4745.000	0.000	48310.000	47690.000	45230.000	95.628%	97.370
2	17:18:23	499.500	4818.000	0.000	48090.000	46950.000	44780.000	95.676%	97.430
3	17:19:06	500.600	4847.000	0.000	48200.000	46910.000	43660.000	96.136%	96.890
x		99.509%	96.065%	0.000	96.399%	94.365%	89.122%	95.814%	97.230%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.280%	n/a
%RSD		0.883	1.097	0.000	0.233	0.934	1.815	0.293	0.305

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:17:40	93.940	94.580	475.500	24010.000	23770.000	94.960	94.530	94.780
2	17:18:23	94.960	95.480	481.400	24280.000	24030.000	95.460	95.840	95.740
3	17:19:06	95.320	95.720	483.900	24330.000	24020.000	95.980	94.370	95.070
x		94.741%	95.261%	96.053%	96.830%	95.761%	95.464%	94.915%	95.197%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.757	0.628	0.901	0.732	0.614	0.532	0.848	0.514

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:17:40	94.990	96.840	94.060	95.220	97.310	96.750	0.000	94.680
2	17:18:23	94.160	95.250	95.410	94.600	95.860	92.530	0.000	93.700
3	17:19:06	94.930	94.550	95.400	93.850	94.870	93.650	0.000	93.400
x		94.693%	95.547%	94.954%	94.557%	96.013%	94.309%	0.000	93.929%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.484	1.226	0.820	0.721	1.280	2.321	0.000	0.715

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:17:40	95.390%	103.300	103.300	92.760%	95.040	95.080	94.920	95.150
2	17:18:23	98.593%	102.700	104.500	95.029%	95.200	95.100	95.180	95.390
3	17:19:06	99.987%	103.400	104.400	95.894%	95.010	95.450	94.950	95.500
x		97.990%	103.145%	104.098%	94.561%	95.085%	95.211%	95.014%	95.349%
σ		2.357%	n/a	n/a	1.619%	n/a	n/a	n/a	n/a
%RSD		2.405	0.411	0.633	1.712	0.106	0.218	0.150	0.186

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:17:40	95.048%	92.830	92.220	93.050	95.030	93.730	97.828%	98.412%
2	17:18:23	97.791%	92.820	93.030	93.300	94.650	93.620	101.089%	101.162%
3	17:19:06	98.810%	93.770	93.460	93.040	94.950	94.180	102.629%	102.917%
x		97.216%	93.140%	92.903%	93.127%	94.878%	93.842%	100.515%	100.830%
σ		1.945%	n/a	n/a	n/a	n/a	n/a	2.451%	2.270%
%RSD		2.001	0.585	0.677	0.157	0.211	0.313	2.439	2.252

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:17:40	95.880	96.080	96.130	95.980	96.110	94.890%
2	17:18:23	97.530	97.190	97.350	96.420	97.130	97.143%
3	17:19:06	97.840	98.180	98.150	98.160	98.550	97.338%
x		97.080%	97.149%	97.213%	96.851%	97.262%	96.457%
σ		n/a	n/a	n/a	n/a	n/a	1.361%
%RSD		1.084	1.083	1.046	1.188	1.262	1.411

CCB1 8/23/2012 5:24:14 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	17:24:56	96.299%	0.051	1.038	0.790	0.000	19.770	0.734	0.723
2	17:25:39	96.714%	-0.003	0.853	0.914	0.000	20.600	2.067	1.013
3	17:26:22	97.303%	0.063	0.051	0.493	0.000	23.260	1.218	0.154
x		96.772%	0.037	0.647	0.732	0.000	21.210	1.339	0.630
σ		0.504%	0.035	0.525	0.216	0.000	1.823	0.675	0.437
%RSD		0.521	94.150	81.060	29.520	0.000	8.594	50.360	69.320

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:24:56	-0.536	-1.628	0.000	9.337	-23.290	-25.260	97.538%	0.107
2	17:25:39	-0.610	-0.832	0.000	6.680	-35.390	-23.450	98.237%	0.185
3	17:26:22	-0.542	-0.378	0.000	5.747	-33.830	-22.520	97.725%	0.202
x		-0.563	-0.946	0.000	7.255	-30.840	-23.750	97.833%	0.164
σ		0.041	0.633	0.000	1.862	6.582	1.392	0.362%	0.051
%RSD		7.293	66.900	0.000	25.670	21.340	5.861	0.370	30.830

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:24:56	0.034	0.004	-0.006	21.520	17.520	0.007	-0.052	0.198
2	17:25:39	0.056	-0.018	-0.021	16.470	11.070	0.001	-0.045	0.140
3	17:26:22	0.119	0.038	0.020	13.800	9.899	-0.004	-0.049	0.091
x		0.070	0.008	-0.002	17.260	12.830	0.001	-0.049	0.143
σ		0.044	0.028	0.021	3.918	4.103	0.005	0.004	0.053
%RSD		63.360	355.100	904.000	22.700	31.980	375.000	7.638	37.260

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:24:56	0.111	-0.563	-0.599	-0.201	2.576	-1.116	0.000	-0.008
2	17:25:39	0.043	-0.427	-0.479	0.222	2.525	1.244	0.000	-0.003
3	17:26:22	0.025	-0.390	-0.657	0.320	0.958	1.719	0.000	-0.011
x		0.060	-0.460	-0.578	0.114	2.020	0.616	0.000	-0.007
σ		0.045	0.091	0.091	0.277	0.919	1.518	0.000	0.004
%RSD		75.650	19.760	15.720	243.100	45.530	246.500	0.000	56.790

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:24:56	99.042%	2.647	2.728	99.623%	-0.003	0.004	0.040	0.044
2	17:25:39	100.239%	2.551	2.529	100.696%	0.001	0.014	0.041	0.010
3	17:26:22	100.836%	2.361	2.415	101.255%	0.001	0.005	-0.017	-0.004
x		100.039%	2.520	2.557	100.525%	-0.000	0.008	0.022	0.017
σ		0.913%	0.145	0.159	0.829%	0.002	0.005	0.033	0.025
%RSD		0.913	5.769	6.197	0.825	438.100	71.440	153.600	149.400

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:24:56	98.435%	-0.376	0.038	0.084	-0.038	-0.021	99.899%	100.254%
2	17:25:39	100.562%	-0.377	0.070	0.053	-0.049	-0.025	101.169%	101.380%
3	17:26:22	101.464%	-0.433	0.043	0.067	-0.016	-0.025	102.275%	102.624%
x		100.154%	-0.395	0.050	0.068	-0.034	-0.024	101.114%	101.419%
σ		1.555%	0.033	0.017	0.015	0.017	0.002	1.189%	1.185%
%RSD		1.553	8.346	33.650	22.370	49.540	9.117	1.176	1.169

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:24:56	0.010	-0.003	0.062	0.073	0.074	99.679%
2	17:25:39	-0.010	0.000	0.028	0.018	0.027	101.120%
3	17:26:22	0.011	-0.003	0.017	0.001	0.018	101.109%
x		0.004	-0.002	0.036	0.030	0.040	100.636%
σ		0.012	0.002	0.023	0.038	0.030	0.829%
%RSD		310.200	98.910	65.080	123.200	75.920	0.824

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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	17:29:16	97.032%	-0.029	0.677	0.295	0.000	44.590	2.794	2.818
2	17:29:59	97.027%	0.024	0.055	0.576	0.000	38.350	4.776	4.518
3	17:30:41	97.411%	0.024	0.669	0.364	0.000	38.270	7.226	6.313
x		97.156%	0.006	0.467	0.412	0.000	40.400	4.932	4.550
σ		0.220%	0.031	0.357	0.146	0.000	3.627	2.220	1.748
%RSD		0.227	502.300	76.400	35.470	0.000	8.977	45.010	38.410

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:29:16	1.832	1.803	0.000	9.312	-34.860	-17.870	94.299%	0.243
2	17:29:59	1.863	1.562	0.000	4.693	-24.380	-15.320	95.753%	0.352
3	17:30:41	2.750	1.932	0.000	3.683	-41.170	-19.100	95.794%	0.384
x		2.148	1.765	0.000	5.896	-33.470	-17.430	95.282%	0.327
σ		0.521	0.188	0.000	3.001	8.485	1.931	0.851%	0.074
%RSD		24.260	10.620	0.000	50.900	25.350	11.080	0.893	22.710

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:29:16	0.662	0.265	0.063	20.170	15.930	-0.004	0.030	0.721
2	17:29:59	0.279	0.177	0.105	15.290	10.890	0.003	0.031	0.706
3	17:30:41	0.218	0.229	0.122	14.140	8.665	0.007	-0.000	0.574
x		0.387	0.223	0.096	16.530	11.830	0.002	0.020	0.667
σ		0.241	0.044	0.030	3.203	3.720	0.005	0.018	0.081
%RSD		62.260	19.850	31.550	19.370	31.450	282.300	87.550	12.140

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:29:16	0.456	1.001	0.959	0.432	2.863	1.365	0.000	0.025
2	17:29:59	0.517	0.940	0.773	-0.116	1.247	-1.193	0.000	0.047
3	17:30:41	0.460	0.708	0.774	0.181	1.077	-0.991	0.000	0.051
x		0.478	0.883	0.836	0.166	1.729	-0.273	0.000	0.041
σ		0.034	0.155	0.107	0.274	0.986	1.422	0.000	0.014
%RSD		7.206	17.520	12.830	165.500	57.030	520.600	0.000	34.040

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:29:16	95.391%	2.210	2.368	96.280%	0.018	0.032	0.035	0.014
2	17:29:59	97.911%	1.959	2.072	98.276%	0.011	0.022	0.012	0.005
3	17:30:41	99.677%	1.632	1.847	99.393%	0.014	0.033	0.025	0.018
x		97.660%	1.934	2.095	97.983%	0.014	0.029	0.024	0.012
σ		2.154%	0.290	0.261	1.577%	0.004	0.006	0.012	0.007
%RSD		2.206	15.000	12.470	1.609	24.410	21.270	49.690	54.620

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:29:16	95.481%	0.047	0.067	0.096	0.005	-0.017	96.688%	97.460%
2	17:29:59	98.417%	-0.194	0.046	0.044	-0.015	0.001	100.585%	100.825%
3	17:30:41	99.116%	-0.313	0.039	0.008	-0.021	0.020	102.595%	102.310%
x		97.671%	-0.153	0.051	0.050	-0.010	0.001	99.956%	100.199%
σ		1.929%	0.184	0.015	0.044	0.013	0.018	3.003%	2.485%
%RSD		1.975	119.700	28.930	89.020	128.900	1330.000	3.005	2.480

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:29:16	0.014	0.020	0.087	0.062	0.081	100.594%
2	17:29:59	0.012	0.011	0.055	0.079	0.062	100.273%
3	17:30:41	0.002	0.014	0.067	0.054	0.060	101.752%
x		0.010	0.015	0.070	0.065	0.068	100.873%
σ		0.006	0.005	0.016	0.013	0.011	0.778%
%RSD		67.860	30.770	23.320	19.750	16.650	0.771

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:33:32	92.375%	42.860	895.100	888.200	0.000	43310.000	46970.000	47620.000
2	17:34:15	91.736%	42.850	926.100	909.200	0.000	43540.000	47590.000	48640.000
3	17:34:57	90.850%	43.380	921.800	931.000	0.000	43950.000	49060.000	49900.000
x		91.654%	43.030	914.300	909.500	0.000	43600.000	47870.000	48720.000
σ		0.766%	0.303	16.800	21.410	0.000	326.200	1071.000	1140.000
%RSD		0.836	0.704	1.837	2.354	0.000	0.748	2.238	2.340

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:33:32	1855.000	8860.000	0.000	45170.000	45370.000	43910.000	89.943%	928.400
2	17:34:15	1886.000	9062.000	0.000	45540.000	46040.000	43450.000	90.830%	929.900
3	17:34:57	1918.000	9228.000	0.000	45320.000	45680.000	43730.000	90.398%	939.000
x		1886.000	9050.000	0.000	45350.000	45700.000	43700.000	90.390%	932.400
σ		31.300	184.000	0.000	187.100	339.000	232.600	0.443%	5.741
%RSD		1.659	2.033	0.000	0.413	0.742	0.532	0.491	0.616

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:33:32	469.900	190.400	475.100	935.800	1116.000	458.900	459.500	234.400
2	17:34:15	473.000	193.200	483.400	1005.000	1118.000	464.900	459.600	234.900
3	17:34:57	474.800	193.300	486.700	981.900	1124.000	462.300	457.500	234.100
x		472.600	192.300	481.700	974.200	1119.000	462.000	458.900	234.500
σ		2.468	1.669	5.979	35.100	4.566	2.984	1.172	0.416
%RSD		0.522	0.868	1.241	3.603	0.408	0.646	0.255	0.177

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:33:32	233.500	459.800	460.600	36.740	13.560	11.740	0.000	946.400
2	17:34:15	234.600	462.600	462.300	38.280	13.620	11.820	0.000	946.900
3	17:34:57	235.000	465.500	461.300	36.860	12.010	9.285	0.000	947.600
x		234.400	462.600	461.400	37.290	13.060	10.950	0.000	947.000
σ		0.817	2.837	0.830	0.858	0.916	1.442	0.000	0.620
%RSD		0.348	0.613	0.180	2.302	7.015	13.170	0.000	0.065

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:33:32	88.505%	971.500	969.700	89.531%	46.780	46.320	47.190	43.180
2	17:34:15	90.585%	993.800	991.200	91.371%	46.540	46.350	47.220	43.140
3	17:34:57	91.742%	997.400	993.100	92.189%	46.580	46.230	47.130	43.860
x		90.278%	987.600	984.600	91.030%	46.630	46.300	47.180	43.390
σ		1.640%	14.060	12.980	1.361%	0.130	0.061	0.047	0.409
%RSD		1.817	1.424	1.318	1.495	0.279	0.132	0.099	0.943

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:33:32	92.345%	1805.000	454.200	454.900	1811.000	1795.000	98.539%	98.720%
2	17:34:15	95.107%	1812.000	453.600	456.800	1814.000	1804.000	101.587%	102.097%
3	17:34:57	95.832%	1788.000	453.800	457.300	1812.000	1800.000	102.646%	103.039%
x		94.428%	1802.000	453.900	456.300	1812.000	1800.000	100.924%	101.285%
σ		1.840%	12.650	0.333	1.253	1.470	4.252	2.132%	2.271%
%RSD		1.948	0.702	0.073	0.275	0.081	0.236	2.113	2.242

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:33:32	47.230	47.190	19.250	19.280	19.260	94.549%
2	17:34:15	47.600	48.220	19.470	19.400	19.530	97.225%
3	17:34:57	47.990	48.390	19.620	19.470	19.580	97.962%
x		47.610	47.930	19.450	19.380	19.460	96.579%
σ		0.379	0.649	0.187	0.098	0.172	1.796%
%RSD		0.795	1.353	0.963	0.508	0.885	1.860

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:41:27	95.978%	0.039	85.480	89.030	0.000	311600.000	11.510	12.320
2	17:42:10	95.546%	0.025	93.280	89.480	0.000	307300.000	8.808	12.090
3	17:42:53	96.247%	0.011	87.830	87.990	0.000	306400.000	10.400	11.330
x		95.923%	0.025	88.860	88.830	0.000	308400.000	10.240	11.910
σ		0.354%	0.014	4.003	0.760	0.000	2804.000	1.360	0.519
%RSD		0.369	54.130	4.505	0.856	0.000	0.909	13.280	4.356

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:41:27	27460.000	2166.000	0.000	2114.000	282.200	279.900	87.556%	2.000
2	17:42:10	28050.000	2192.000	0.000	2082.000	236.500	276.400	88.891%	1.846
3	17:42:53	28350.000	2212.000	0.000	2095.000	294.600	261.500	89.559%	1.399
x		27950.000	2190.000	0.000	2097.000	271.100	272.600	88.669%	1.748
σ		450.700	23.150	0.000	16.300	30.590	9.811	1.020%	0.313
%RSD		1.612	1.057	0.000	0.777	11.280	3.599	1.150	17.870

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:41:27	18.810	70.410	0.543	72.210	53.590	1.274	405.000	148.800
2	17:42:10	19.730	70.710	0.571	69.650	50.160	1.117	400.500	148.700
3	17:42:53	20.450	71.330	0.588	69.400	54.370	1.257	400.700	146.900
x		19.660	70.820	0.567	70.420	52.710	1.216	402.100	148.200
σ		0.822	0.466	0.023	1.559	2.239	0.086	2.571	1.046
%RSD		4.182	0.658	4.024	2.215	4.248	7.083	0.639	0.706

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:41:27	147.600	168.200	169.100	1447.000	3.331	-1.616	0.000	1.168
2	17:42:10	146.200	165.700	168.800	1436.000	1.315	-0.333	0.000	1.210
3	17:42:53	145.200	165.100	165.200	1429.000	-0.062	0.734	0.000	1.146
x		146.300	166.300	167.700	1438.000	1.528	-0.405	0.000	1.175
σ		1.233	1.631	2.191	9.031	1.707	1.177	0.000	0.032
%RSD		0.843	0.981	1.306	0.628	111.700	290.700	0.000	2.746

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:41:27	91.265%	120.900	122.300	87.219%	0.059	0.050	0.762	0.694
2	17:42:10	94.586%	121.800	122.000	90.560%	0.034	0.035	0.930	0.589
3	17:42:53	96.089%	122.800	123.700	92.077%	0.038	0.056	0.718	0.547
x		93.980%	121.800	122.700	89.952%	0.043	0.047	0.803	0.610
σ		2.469%	0.926	0.877	2.486%	0.013	0.011	0.112	0.075
%RSD		2.627	0.760	0.715	2.764	30.280	23.980	13.930	12.370

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:41:27	90.039%	87.520	38.040	37.840	0.307	0.486	96.470%	97.109%
2	17:42:10	93.137%	84.070	37.930	38.080	0.281	0.286	100.640%	101.350%
3	17:42:53	94.385%	82.370	38.130	37.900	0.225	0.335	101.891%	102.756%
x		92.520%	84.650	38.030	37.940	0.271	0.369	99.667%	100.405%
σ		2.238%	2.625	0.099	0.124	0.042	0.104	2.839%	2.940%
%RSD		2.419	3.101	0.259	0.326	15.510	28.270	2.848	2.928

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:41:27	0.121	0.118	33.230	33.500	33.370	93.491%
2	17:42:10	0.106	0.112	33.720	34.030	33.870	96.446%
3	17:42:53	0.082	0.084	33.630	33.880	33.700	98.677%
x		0.103	0.105	33.530	33.800	33.650	96.204%
σ		0.020	0.018	0.264	0.277	0.252	2.601%
%RSD		19.120	17.500	0.788	0.819	0.748	2.704

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:45:45	95.264%	0.039	19.880	19.860	0.000	64870.000	5.138	5.425
2	17:46:28	91.840%	-0.014	22.440	20.640	0.000	65580.000	5.521	6.822
3	17:47:11	94.136%	0.026	20.010	18.770	0.000	63250.000	8.004	8.913
x		93.747%	0.017	20.780	19.760	0.000	64570.000	6.221	7.054
σ		1.745%	0.028	1.439	0.940	0.000	1193.000	1.556	1.755
%RSD		1.861	159.900	6.924	4.760	0.000	1.848	25.010	24.890

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:45:45	5739.000	443.400	0.000	430.600	11.840	43.510	91.470%	0.420
2	17:46:28	5889.000	457.900	0.000	427.800	27.790	44.600	91.665%	0.436
3	17:47:11	5820.000	452.200	0.000	425.600	19.860	45.300	91.481%	0.640
x		5816.000	451.200	0.000	428.000	19.830	44.470	91.539%	0.499
σ		74.920	7.304	0.000	2.501	7.973	0.903	0.109%	0.123
%RSD		1.288	1.619	0.000	0.584	40.210	2.030	0.119	24.590

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:45:45	4.227	14.440	0.152	29.140	9.664	0.264	82.570	31.200
2	17:46:28	3.679	14.480	0.160	28.270	5.636	0.245	82.280	30.580
3	17:47:11	4.175	14.690	0.243	28.300	3.954	0.293	81.300	30.360
x		4.027	14.540	0.185	28.570	6.418	0.267	82.050	30.710
σ		0.303	0.136	0.050	0.494	2.934	0.024	0.666	0.435
%RSD		7.517	0.935	27.240	1.730	45.720	9.003	0.811	1.418

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:45:45	31.070	34.310	36.080	295.300	1.070	-0.866	0.000	0.295
2	17:46:28	30.310	34.280	34.130	293.200	0.318	-1.310	0.000	0.315
3	17:47:11	30.300	33.610	34.170	295.900	-0.524	0.959	0.000	0.346
x		30.560	34.070	34.790	294.800	0.288	-0.406	0.000	0.318
σ		0.440	0.395	1.116	1.407	0.798	1.202	0.000	0.026
%RSD		1.440	1.161	3.207	0.477	276.900	296.400	0.000	8.029

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:45:45	95.500%	24.500	24.510	95.255%	-0.000	0.014	0.185	0.082
2	17:46:28	97.814%	25.140	24.870	95.995%	0.000	-0.007	0.207	0.203
3	17:47:11	97.679%	24.900	25.060	96.217%	0.002	0.031	0.147	0.085
x		96.998%	24.850	24.820	95.822%	0.001	0.013	0.180	0.124
σ		1.298%	0.325	0.280	0.504%	0.001	0.019	0.030	0.069
%RSD		1.339	1.309	1.129	0.526	162.100	152.900	16.820	55.810

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:45:45	91.269%	15.070	7.970	8.124	0.149	0.125	99.690%	100.327%
2	17:46:28	92.290%	14.450	8.030	8.138	0.122	0.142	102.128%	102.867%
3	17:47:11	93.313%	14.680	7.992	7.718	0.126	0.200	102.790%	102.758%
x		92.291%	14.730	7.997	7.993	0.132	0.156	101.536%	101.984%
σ		1.022%	0.309	0.031	0.238	0.015	0.039	1.633%	1.436%
%RSD		1.107	2.098	0.382	2.982	10.980	25.110	1.608	1.408

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:45:45	0.029	0.025	6.643	6.877	6.797	97.557%
2	17:46:28	0.022	0.020	6.748	6.745	6.785	99.511%
3	17:47:11	0.040	0.017	6.950	6.946	6.858	99.426%
x		0.030	0.021	6.781	6.856	6.813	98.831%
σ		0.009	0.004	0.156	0.102	0.039	1.104%
%RSD		30.640	19.000	2.296	1.490	0.576	1.117

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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	17:50:02	85.677%	44.560	1020.000	1022.000	0.000	333800.000	48560.000	49290.000
2	17:50:45	87.286%	42.730	984.600	991.200	0.000	325400.000	48830.000	49710.000
3	17:51:28	87.365%	42.650	979.800	997.800	0.000	324100.000	49280.000	50020.000
x		86.776%	43.320	994.900	1004.000	0.000	327800.000	48890.000	49670.000
σ		0.953%	1.082	22.110	16.200	0.000	5250.000	365.600	364.800
%RSD		1.098	2.499	2.222	1.614	0.000	1.602	0.748	0.735

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:50:02	27610.000	11190.000	0.000	47710.000	46280.000	44650.000	85.225%	931.900
2	17:50:45	27720.000	11180.000	0.000	47040.000	46040.000	44580.000	85.445%	938.100
3	17:51:28	27930.000	11180.000	0.000	46360.000	45630.000	44370.000	85.942%	936.600
x		27750.000	11180.000	0.000	47040.000	45990.000	44530.000	85.537%	935.500
σ		159.300	6.136	0.000	673.600	326.000	145.700	0.368%	3.209
%RSD		0.574	0.055	0.000	1.432	0.709	0.327	0.430	0.343

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:50:02	489.000	251.900	476.100	983.500	1138.000	460.800	812.100	360.200
2	17:50:45	492.500	252.700	485.000	1009.000	1150.000	461.100	816.100	360.600
3	17:51:28	489.300	254.500	483.600	981.200	1155.000	456.000	801.200	357.100
x		490.200	253.000	481.600	991.300	1148.000	459.300	809.800	359.300
σ		1.942	1.355	4.806	15.570	8.454	2.883	7.689	1.914
%RSD		0.396	0.536	0.998	1.570	0.737	0.628	0.950	0.533

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:50:02	360.200	604.100	604.300	1358.000	11.510	8.212	0.000	924.200
2	17:50:45	358.900	606.200	599.800	1359.000	10.250	9.564	0.000	933.800
3	17:51:28	357.100	594.600	599.600	1334.000	9.629	10.580	0.000	922.700
x		358.700	601.600	601.200	1350.000	10.460	9.452	0.000	926.900
σ		1.547	6.140	2.709	14.420	0.957	1.188	0.000	6.012
%RSD		0.431	1.021	0.451	1.068	9.152	12.570	0.000	0.649

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:50:02	87.752%	1079.000	1080.000	85.750%	46.320	46.230	46.780	44.280
2	17:50:45	89.209%	1094.000	1097.000	87.922%	45.710	45.960	46.780	44.040
3	17:51:28	91.845%	1091.000	1101.000	88.322%	46.780	46.450	47.310	44.080
x		89.602%	1088.000	1093.000	87.331%	46.270	46.210	46.960	44.130
σ		2.074%	7.647	11.170	1.384%	0.533	0.248	0.303	0.132
%RSD		2.315	0.703	1.022	1.585	1.151	0.536	0.645	0.299

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:50:02	88.332%	1886.000	496.100	498.500	1822.000	1814.000	95.688%	97.111%
2	17:50:45	90.947%	1882.000	492.500	493.800	1805.000	1797.000	99.311%	99.731%
3	17:51:28	91.362%	1889.000	495.900	497.600	1815.000	1802.000	101.126%	101.767%
x		90.214%	1886.000	494.900	496.600	1814.000	1804.000	98.708%	99.536%
σ		1.643%	3.494	2.010	2.486	8.459	8.815	2.768%	2.334%
%RSD		1.821	0.185	0.406	0.500	0.466	0.488	2.805	2.345

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:50:02	48.020	48.530	51.200	51.790	51.460	88.419%
2	17:50:45	48.780	49.320	51.600	52.320	51.920	91.229%
3	17:51:28	48.340	49.330	51.260	51.840	51.450	93.001%
x		48.380	49.060	51.350	51.980	51.610	90.883%
σ		0.383	0.458	0.216	0.291	0.269	2.311%
%RSD		0.791	0.933	0.421	0.560	0.520	2.543

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:54:20	86.666%	45.440	1033.000	1029.000	0.000	328800.000	49120.000	50020.000
2	17:55:03	86.927%	44.870	1016.000	1033.000	0.000	324200.000	49910.000	51020.000
3	17:55:46	87.398%	43.800	1041.000	1039.000	0.000	320700.000	50090.000	51280.000
x		86.997%	44.700	1030.000	1034.000	0.000	324600.000	49710.000	50770.000
σ		0.371%	0.828	12.690	5.267	0.000	4059.000	516.300	665.200
%RSD		0.427	1.852	1.233	0.509	0.000	1.251	1.039	1.310

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:54:20	27390.000	11270.000	0.000	47550.000	45460.000	44610.000	86.260%	947.500
2	17:55:03	27830.000	11450.000	0.000	46960.000	46290.000	44120.000	87.362%	940.600
3	17:55:46	28000.000	11450.000	0.000	46770.000	45390.000	44550.000	87.710%	949.700
x		27740.000	11390.000	0.000	47090.000	45710.000	44430.000	87.111%	945.900
σ		311.800	104.300	0.000	407.900	501.300	264.700	0.757%	4.784
%RSD		1.124	0.916	0.000	0.866	1.097	0.596	0.869	0.506

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:54:20	493.700	254.900	482.800	1011.000	1171.000	466.500	815.300	361.100
2	17:55:03	496.500	253.600	487.200	1011.000	1141.000	460.500	803.900	358.700
3	17:55:46	499.100	256.200	488.300	1041.000	1158.000	461.700	802.600	355.400
x		496.400	254.900	486.100	1021.000	1156.000	462.900	807.300	358.400
σ		2.679	1.334	2.939	17.070	14.770	3.190	6.989	2.890
%RSD		0.540	0.523	0.605	1.672	1.277	0.689	0.866	0.806

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:54:20	358.900	600.000	594.500	1320.000	10.130	8.653	0.000	933.300
2	17:55:03	354.300	598.400	594.000	1317.000	9.803	9.906	0.000	935.400
3	17:55:46	354.700	595.000	600.400	1319.000	8.420	11.810	0.000	937.800
x		355.900	597.800	596.300	1319.000	9.450	10.120	0.000	935.500
σ		2.568	2.549	3.553	1.558	0.907	1.588	0.000	2.276
%RSD		0.721	0.426	0.596	0.118	9.594	15.690	0.000	0.243

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:54:20	89.448%	1106.000	1110.000	86.198%	47.080	46.830	47.150	43.250
2	17:55:03	91.693%	1107.000	1112.000	89.850%	46.850	46.530	47.190	43.940
3	17:55:46	92.220%	1118.000	1121.000	89.375%	46.880	46.630	47.800	43.180
x		91.121%	1110.000	1115.000	88.474%	46.940	46.670	47.380	43.450
σ		1.472%	6.539	5.988	1.986%	0.127	0.154	0.365	0.420
%RSD		1.615	0.589	0.537	2.244	0.271	0.330	0.769	0.966

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:54:20	90.246%	1906.000	493.400	498.600	1818.000	1806.000	98.108%	99.133%
2	17:55:03	92.147%	1908.000	497.100	499.000	1837.000	1814.000	101.564%	102.636%
3	17:55:46	93.156%	1900.000	494.800	497.600	1827.000	1825.000	102.333%	102.881%
x		91.850%	1905.000	495.100	498.400	1827.000	1815.000	100.669%	101.550%
σ		1.478%	4.152	1.864	0.740	9.252	9.897	2.251%	2.097%
%RSD		1.609	0.218	0.377	0.148	0.506	0.545	2.236	2.065

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:54:20	48.680	49.180	50.820	50.890	50.670	90.783%
2	17:55:03	49.260	49.620	50.410	51.250	50.830	94.165%
3	17:55:46	49.830	50.130	50.510	50.870	50.610	94.547%
x		49.250	49.640	50.580	51.010	50.700	93.165%
σ		0.575	0.476	0.216	0.216	0.114	2.072%
%RSD		1.168	0.958	0.426	0.422	0.224	2.224

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:02:17	95.022%	0.067	91.830	93.290	0.000	320700.000	6.797	6.268
2	18:03:00	94.842%	-0.028	89.840	97.410	0.000	318800.000	3.886	6.460
3	18:03:43	96.195%	0.012	92.600	90.510	0.000	317000.000	4.512	5.573
x		95.353%	0.017	91.420	93.740	0.000	318900.000	5.065	6.100
σ		0.735%	0.048	1.423	3.469	0.000	1838.000	1.532	0.467
%RSD		0.771	287.900	1.557	3.700	0.000	0.577	30.250	7.650

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:02:17	24510.000	3178.000	0.000	2152.000	278.100	299.900	87.340%	1.787
2	18:03:00	24910.000	3212.000	0.000	2121.000	275.500	282.600	88.547%	1.464
3	18:03:43	25090.000	3217.000	0.000	2103.000	317.500	297.500	89.109%	1.350
x		24840.000	3202.000	0.000	2125.000	290.400	293.300	88.332%	1.534
σ		295.100	21.450	0.000	25.100	23.540	9.371	0.904%	0.227
%RSD		1.188	0.670	0.000	1.181	8.105	3.195	1.023	14.790

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:02:17	21.420	4.955	0.425	50.630	30.630	0.840	363.500	125.600
2	18:03:00	21.870	4.860	0.423	47.910	30.460	0.802	358.900	123.100
3	18:03:43	23.750	4.838	0.441	46.740	26.870	0.781	358.500	123.000
x		22.350	4.884	0.430	48.430	29.320	0.808	360.300	123.900
σ		1.233	0.062	0.010	1.994	2.128	0.030	2.797	1.470
%RSD		5.516	1.270	2.218	4.118	7.258	3.733	0.776	1.186

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:02:17	123.000	156.800	155.100	1655.000	0.033	-4.229	0.000	0.778
2	18:03:00	121.400	154.100	154.600	1656.000	-1.760	-3.380	0.000	0.726
3	18:03:43	121.800	156.500	154.800	1656.000	-1.568	-2.370	0.000	0.738
x		122.100	155.800	154.800	1656.000	-1.098	-3.326	0.000	0.747
σ		0.820	1.487	0.278	0.689	0.984	0.930	0.000	0.027
%RSD		0.671	0.955	0.180	0.042	89.640	27.970	0.000	3.652

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:02:17	97.227%	94.130	95.060	88.871%	0.011	0.008	0.036	-0.158
2	18:03:00	101.243%	94.780	96.080	91.287%	-0.004	0.005	0.053	-0.007
3	18:03:43	102.196%	93.390	95.320	92.724%	-0.000	-0.002	0.026	-0.251
x		100.222%	94.100	95.490	90.961%	0.002	0.003	0.039	-0.139
σ		2.637%	0.694	0.530	1.947%	0.008	0.005	0.013	0.123
%RSD		2.632	0.737	0.555	2.140	348.200	144.700	34.790	88.520

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:02:17	90.266%	69.250	35.610	35.370	0.353	0.355	97.497%	97.954%
2	18:03:00	93.652%	64.900	35.190	35.740	0.256	0.274	101.123%	101.940%
3	18:03:43	95.284%	62.420	35.080	35.190	0.308	0.360	102.945%	103.633%
x		93.067%	65.520	35.290	35.440	0.306	0.330	100.522%	101.176%
σ		2.560%	3.456	0.284	0.281	0.049	0.048	2.773%	2.916%
%RSD		2.750	5.275	0.805	0.793	15.870	14.590	2.759	2.882

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:02:17	0.190	0.140	6.793	6.771	6.799	95.016%
2	18:03:00	0.134	0.105	6.843	6.893	6.889	97.684%
3	18:03:43	0.094	0.109	6.871	6.969	6.913	98.883%
x		0.139	0.118	6.836	6.878	6.867	97.194%
σ		0.048	0.019	0.040	0.100	0.060	1.979%
%RSD		34.620	16.100	0.584	1.449	0.877	2.036

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:06:36	88.583%	0.148	21.050	20.920	0.000	152100.000	4.907	4.462
2	18:07:19	86.182%	0.064	18.900	20.720	0.000	152800.000	4.766	4.345
3	18:08:02	87.379%	0.003	19.650	19.350	0.000	148700.000	2.824	2.855
x		87.382%	0.072	19.870	20.330	0.000	151200.000	4.166	3.887
σ		1.200%	0.073	1.090	0.855	0.000	2191.000	1.164	0.896
%RSD		1.373	101.500	5.489	4.208	0.000	1.449	27.940	23.040

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:06:36	159.300	97.300	0.000	1000.000	8825.000	8526.000	85.328%	0.615
2	18:07:19	136.500	99.790	0.000	978.000	8620.000	8459.000	85.465%	0.414
3	18:08:02	123.600	97.880	0.000	966.500	8279.000	8460.000	84.963%	0.435
x		139.800	98.320	0.000	981.600	8575.000	8482.000	85.252%	0.488
σ		18.080	1.302	0.000	17.290	276.000	38.660	0.260%	0.111
%RSD		12.930	1.324	0.000	1.761	3.219	0.456	0.304	22.650

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:06:36	2.532	4.919	0.361	21.130	27.370	0.202	5.633	18.790
2	18:07:19	1.554	4.908	0.364	18.620	24.480	0.194	5.394	19.210
3	18:08:02	2.854	4.679	0.322	16.670	24.570	0.202	5.215	19.460
x		2.313	4.835	0.349	18.810	25.470	0.199	5.414	19.150
σ		0.677	0.136	0.024	2.239	1.644	0.005	0.210	0.335
%RSD		29.260	2.805	6.762	11.910	6.455	2.311	3.871	1.748

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:06:36	18.470	53.520	53.880	5.660	1.171	1.742	0.000	24.880
2	18:07:19	18.830	52.920	53.750	4.209	-0.208	3.397	0.000	24.640
3	18:08:02	18.090	53.490	52.900	4.786	-0.961	4.375	0.000	24.790
x		18.460	53.310	53.510	4.885	0.001	3.171	0.000	24.770
σ		0.372	0.335	0.530	0.730	1.081	1.331	0.000	0.125
%RSD		2.013	0.629	0.990	14.950	213100.000	41.980	0.000	0.503

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:06:36	91.357%	10.250	10.430	92.937%	-0.005	-0.003	-0.036	-0.098
2	18:07:19	93.715%	10.080	9.961	93.944%	-0.006	0.010	0.001	-0.030
3	18:08:02	93.626%	9.614	9.851	93.078%	0.004	0.006	-0.078	-0.065
x		92.899%	9.980	10.080	93.320%	-0.002	0.004	-0.038	-0.064
σ		1.336%	0.328	0.309	0.545%	0.005	0.006	0.040	0.034
%RSD		1.438	3.288	3.064	0.584	238.100	158.100	104.900	52.490

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:06:36	92.925%	8.010	0.611	0.558	16.590	16.530	98.860%	99.695%
2	18:07:19	94.567%	7.293	0.499	0.492	16.900	16.880	101.071%	101.832%
3	18:08:02	94.237%	6.867	0.423	0.407	16.150	16.920	101.550%	101.602%
x		93.910%	7.390	0.511	0.485	16.540	16.770	100.494%	101.043%
σ		0.869%	0.578	0.095	0.076	0.376	0.211	1.435%	1.173%
%RSD		0.925	7.820	18.540	15.590	2.273	1.258	1.428	1.161

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:06:36	0.070	0.059	42.430	43.530	42.770	97.591%
2	18:07:19	0.070	0.069	42.880	43.560	43.110	99.266%
3	18:08:02	0.078	0.072	42.660	43.260	42.900	100.031%
x		0.073	0.067	42.660	43.450	42.920	98.962%
σ		0.005	0.007	0.227	0.167	0.176	1.248%
%RSD		6.268	10.410	0.533	0.385	0.410	1.261

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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	18:10:55	96.972%	0.065	10.810	9.564	0.000	5957.000	1831.000	1867.000
2	18:11:38	97.675%	0.037	9.563	9.957	0.000	5792.000	1832.000	1889.000
3	18:12:21	98.150%	0.103	10.130	9.148	0.000	5775.000	1825.000	1899.000
x		97.599%	0.068	10.170	9.557	0.000	5842.000	1829.000	1885.000
σ		0.593%	0.033	0.622	0.405	0.000	100.400	4.066	16.110
%RSD		0.608	48.290	6.120	4.233	0.000	1.719	0.222	0.855

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:10:55	5.958	382.200	0.000	153.700	6074.000	6033.000	87.090%	0.550
2	18:11:38	3.944	381.800	0.000	142.100	6134.000	6064.000	88.002%	0.385
3	18:12:21	2.099	376.600	0.000	136.600	6008.000	6025.000	88.588%	0.505
x		4.000	380.200	0.000	144.100	6072.000	6041.000	87.894%	0.480
σ		1.930	3.138	0.000	8.726	62.970	20.450	0.755%	0.085
%RSD		48.250	0.825	0.000	6.056	1.037	0.339	0.859	17.780

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:10:55	3.409	2.794	133.700	19.260	20.350	0.175	0.435	1.658
2	18:11:38	1.955	2.679	133.900	15.750	18.250	0.164	0.534	1.645
3	18:12:21	2.712	2.642	134.200	12.910	14.940	0.144	0.600	1.566
x		2.692	2.705	133.900	15.970	17.850	0.161	0.523	1.623
σ		0.727	0.079	0.223	3.183	2.726	0.016	0.083	0.050
%RSD		27.020	2.918	0.166	19.920	15.270	9.693	15.850	3.060

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:10:55	1.695	2.823	2.534	1.591	0.749	-2.477	0.000	48.940
2	18:11:38	1.450	2.422	2.152	0.303	-0.522	-4.339	0.000	49.100
3	18:12:21	1.545	2.450	2.844	2.162	-0.748	-3.047	0.000	49.300
x		1.563	2.565	2.510	1.352	-0.174	-3.288	0.000	49.110
σ		0.124	0.224	0.347	0.952	0.807	0.954	0.000	0.180
%RSD		7.905	8.734	13.820	70.410	464.700	29.020	0.000	0.366

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:10:55	89.438%	1.557	1.586	92.899%	-0.009	0.001	-0.023	-0.020
2	18:11:38	92.132%	1.322	1.395	94.528%	-0.008	-0.002	-0.011	-0.025
3	18:12:21	92.564%	1.106	1.215	95.442%	-0.002	-0.002	-0.054	-0.026
x		91.378%	1.328	1.398	94.290%	-0.006	-0.001	-0.029	-0.024
σ		1.694%	0.226	0.186	1.288%	0.004	0.002	0.022	0.003
%RSD		1.854	16.980	13.270	1.366	63.800	217.100	75.940	13.950

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:10:55	91.870%	4.537	0.187	0.170	11.810	11.670	95.761%	97.231%
2	18:11:38	94.396%	4.350	0.131	0.125	11.910	11.660	99.564%	99.773%
3	18:12:21	95.355%	4.156	0.147	0.103	11.640	11.360	101.192%	101.452%
x		93.874%	4.348	0.155	0.133	11.790	11.560	98.839%	99.485%
σ		1.801%	0.191	0.029	0.034	0.133	0.174	2.787%	2.125%
%RSD		1.918	4.386	18.830	25.540	1.130	1.506	2.820	2.136

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:10:55	0.052	0.050	0.058	0.040	0.056	96.008%
2	18:11:38	0.021	0.038	0.034	0.017	0.029	98.829%
3	18:12:21	0.024	0.027	0.006	0.016	0.013	100.135%
x		0.032	0.038	0.033	0.024	0.033	98.324%
σ		0.017	0.012	0.026	0.013	0.022	2.110%
%RSD		53.080	30.100	79.160	54.920	66.380	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	18:15:14	96.442%	-0.002	2.756	2.697	0.000	48.460	3.440	3.117
2	18:15:58	94.878%	0.012	3.714	2.435	0.000	96.740	6.768	6.512
3	18:16:41	96.287%	0.025	2.128	2.810	0.000	78.430	4.969	5.911
x		95.869%	0.012	2.866	2.647	0.000	74.540	5.059	5.180
σ		0.862%	0.013	0.799	0.192	0.000	24.370	1.665	1.812
%RSD		0.899	115.400	27.880	7.262	0.000	32.700	32.920	34.980

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:15:14	2.215	3.888	0.000	-1.373	-30.920	-12.170	89.682%	0.170
2	18:15:58	4.941	5.054	0.000	-1.050	-27.800	-11.380	90.326%	0.237
3	18:16:41	3.794	4.593	0.000	-4.105	-34.360	-13.060	90.866%	0.167
x		3.650	4.512	0.000	-2.176	-31.030	-12.210	90.292%	0.191
σ		1.369	0.587	0.000	1.678	3.278	0.843	0.593%	0.040
%RSD		37.490	13.010	0.000	77.130	10.570	6.905	0.656	20.710

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:15:14	1.503	0.709	0.108	12.550	-4.097	0.023	0.050	0.366
2	18:15:58	1.197	0.605	0.136	11.410	-6.446	0.036	0.110	0.307
3	18:16:41	0.931	0.700	0.132	9.355	-5.970	0.032	0.122	0.299
x		1.210	0.671	0.126	11.100	-5.504	0.030	0.094	0.324
σ		0.286	0.057	0.015	1.619	1.242	0.007	0.038	0.037
%RSD		23.670	8.555	12.080	14.580	22.560	23.310	40.610	11.290

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:15:14	0.321	0.011	-0.064	0.161	-0.612	-5.313	0.000	0.047
2	18:15:58	0.309	0.083	0.061	0.076	-0.851	-4.607	0.000	0.141
3	18:16:41	0.301	-0.019	-0.027	0.100	-1.660	-3.033	0.000	0.101
x		0.310	0.025	-0.010	0.112	-1.041	-4.318	0.000	0.096
σ		0.010	0.052	0.064	0.044	0.549	1.167	0.000	0.047
%RSD		3.210	211.200	646.000	39.260	52.740	27.040	0.000	49.280

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:15:14	94.969%	0.515	0.505	96.386%	-0.010	-0.003	-0.002	0.007
2	18:15:58	97.155%	0.491	0.551	98.019%	-0.012	0.006	-0.040	-0.025
3	18:16:41	97.871%	0.497	0.468	98.372%	-0.013	0.000	-0.077	-0.070
x		96.665%	0.501	0.508	97.592%	-0.012	0.001	-0.040	-0.029
σ		1.512%	0.012	0.041	1.059%	0.002	0.005	0.038	0.039
%RSD		1.564	2.472	8.135	1.085	14.690	504.400	94.850	132.500

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:15:14	94.178%	-0.532	-0.032	-0.016	0.075	0.069	99.316%	99.988%
2	18:15:58	96.637%	-0.422	0.024	-0.001	0.129	0.226	101.435%	102.730%
3	18:16:41	97.593%	-0.532	-0.015	-0.029	0.121	0.114	103.205%	103.047%
x		96.136%	-0.495	-0.007	-0.016	0.109	0.137	101.318%	101.921%
σ		1.762%	0.064	0.029	0.014	0.029	0.081	1.947%	1.682%
%RSD		1.832	12.850	391.100	90.480	27.000	59.330	1.922	1.650

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:15:14	0.000	-0.004	0.070	0.083	0.069	96.720%
2	18:15:58	0.004	0.009	0.050	0.067	0.061	98.649%
3	18:16:41	-0.001	0.006	0.040	0.040	0.041	99.649%
x		0.001	0.004	0.053	0.063	0.057	98.339%
σ		0.002	0.007	0.015	0.022	0.015	1.489%
%RSD		189.800	184.500	29.030	33.990	25.900	1.514

CCV 496055 8/23/2012 6:21:47 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	18:22:30	89.557%	93.450	93.870	94.390	0.000	45690.000	48650.000	49100.000
2	18:23:13	90.472%	91.540	96.100	94.940	0.000	45680.000	49130.000	49620.000
3	18:23:55	90.043%	91.140	92.570	95.040	0.000	45460.000	49480.000	50150.000
x		90.024%	92.047%	94.181%	94.793%	0.000	91.216%	98.181%	99.246%
σ		0.458%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.508	1.340	1.898	0.370	0.000	0.283	0.851	1.054

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:22:30	483.100	4753.000	0.000	47260.000	46470.000	44410.000	89.179%	92.660
2	18:23:13	486.400	4773.000	0.000	46940.000	45910.000	44810.000	90.379%	93.440
3	18:23:55	489.800	4796.000	0.000	46850.000	46390.000	45040.000	90.785%	94.750
x		97.288%	95.478%	0.000	94.036%	92.514%	89.514%	90.115%	93.616%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.835%	n/a
%RSD		0.681	0.446	0.000	0.465	0.662	0.715	0.927	1.128

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:22:30	94.770	95.370	481.600	24480.000	23990.000	94.500	94.070	95.280
2	18:23:13	95.710	96.610	483.900	24380.000	24000.000	94.470	94.440	94.560
3	18:23:55	94.780	96.100	486.000	24520.000	24160.000	95.490	93.800	94.590
x		95.086%	96.029%	96.772%	97.846%	96.198%	94.819%	94.100%	94.809%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.567	0.648	0.455	0.293	0.405	0.615	0.341	0.429

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:22:30	95.830	95.360	95.120	91.620	93.050	86.260	0.000	93.420
2	18:23:13	94.500	95.140	93.110	93.550	93.280	93.760	0.000	93.970
3	18:23:55	93.340	95.110	96.980	94.570	93.880	93.260	0.000	94.880
x		94.554%	95.200%	95.069%	93.248%	93.405%	91.093%	0.000	94.091%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.321	0.144	2.034	1.611	0.457	4.606	0.000	0.782

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:22:30	91.948%	91.350	91.080	89.478%	94.500	94.810	96.100	95.200
2	18:23:13	94.232%	95.880	95.740	91.971%	93.570	94.230	94.960	94.430
3	18:23:55	94.818%	98.350	98.080	93.082%	94.560	94.100	95.010	94.620
x		93.666%	95.194%	94.966%	91.510%	94.207%	94.382%	95.358%	94.748%
σ		1.516%	n/a	n/a	1.846%	n/a	n/a	n/a	n/a
%RSD		1.619	3.732	3.754	2.017	0.589	0.403	0.674	0.422

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:22:30	91.385%	90.960	92.250	92.190	93.470	94.430	95.844%	96.098%
2	18:23:13	94.171%	91.640	92.290	92.530	94.260	92.860	98.680%	98.701%
3	18:23:55	95.265%	91.180	92.160	92.470	94.990	94.010	99.878%	100.001%
x		93.607%	91.263%	92.236%	92.399%	94.242%	93.762%	98.134%	98.267%
σ		2.001%	n/a	n/a	n/a	n/a	n/a	2.072%	1.988%
%RSD		2.137	0.382	0.076	0.196	0.807	0.867	2.111	2.023

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:22:30	94.190	94.250	94.790	95.150	94.560	95.137%
2	18:23:13	96.410	96.150	96.480	97.440	96.710	95.980%
3	18:23:55	96.090	96.920	96.650	97.240	97.020	97.400%
x		95.564%	95.772%	95.976%	96.612%	96.098%	96.172%
σ		n/a	n/a	n/a	n/a	n/a	1.144%
%RSD		1.255	1.436	1.071	1.313	1.394	1.189

CCB2 8/23/2012 6:29:03 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	18:29:46	95.041%	0.053	2.337	1.956	0.000	17.880	1.945	1.836
2	18:30:30	96.844%	0.077	1.483	1.530	0.000	14.310	1.397	1.152
3	18:31:13	96.193%	0.051	1.853	1.828	0.000	17.630	2.574	1.426
x		96.026%	0.061	1.891	1.772	0.000	16.610	1.972	1.471
σ		0.913%	0.015	0.428	0.219	0.000	1.991	0.589	0.344
%RSD		0.951	24.250	22.650	12.330	0.000	11.990	29.880	23.390

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:29:46	-0.818	-1.681	0.000	13.210	-39.350	-15.600	92.753%	0.180
2	18:30:30	-1.051	-0.339	0.000	8.967	-36.240	-18.290	92.946%	0.180
3	18:31:13	-1.062	-0.913	0.000	5.832	-34.750	-20.570	93.576%	0.178
x		-0.977	-0.978	0.000	9.337	-36.780	-18.150	93.092%	0.179
σ		0.138	0.674	0.000	3.704	2.347	2.489	0.430%	0.001
%RSD		14.120	68.900	0.000	39.670	6.381	13.710	0.462	0.559

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:29:46	0.200	0.060	0.015	19.200	14.260	0.002	0.037	0.077
2	18:30:30	0.293	0.057	-0.015	14.520	13.400	0.005	0.010	0.073
3	18:31:13	0.088	0.083	0.008	10.720	7.611	0.004	-0.031	0.107
x		0.194	0.066	0.003	14.810	11.760	0.004	0.005	0.086
σ		0.102	0.014	0.016	4.250	3.617	0.001	0.034	0.019
%RSD		52.870	21.600	547.700	28.690	30.760	41.100	643.100	21.960

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:29:46	0.119	-0.551	-0.594	0.209	1.897	-1.187	0.000	0.014
2	18:30:30	0.104	-0.510	-0.487	0.143	0.872	-0.101	0.000	0.006
3	18:31:13	0.127	-0.424	-0.594	-0.070	0.883	-2.959	0.000	0.011
x		0.117	-0.495	-0.558	0.094	1.217	-1.416	0.000	0.010
σ		0.011	0.065	0.062	0.145	0.589	1.442	0.000	0.004
%RSD		9.819	13.070	11.050	154.800	48.350	101.900	0.000	34.770

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:29:46	94.304%	0.910	0.893	95.617%	-0.006	0.002	0.006	-0.001
2	18:30:30	96.015%	0.763	0.800	97.249%	-0.011	-0.005	0.038	0.029
3	18:31:13	97.116%	0.576	0.705	98.456%	-0.009	0.001	-0.038	-0.026
x		95.812%	0.750	0.799	97.107%	-0.009	-0.000	0.002	0.001
σ		1.417%	0.167	0.094	1.425%	0.003	0.004	0.038	0.028
%RSD		1.479	22.310	11.790	1.467	31.250	843.900	1739.000	4161.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:29:46	94.711%	-0.329	0.078	0.056	0.005	-0.003	95.434%	96.473%
2	18:30:30	96.971%	-0.392	0.061	0.066	-0.031	0.015	98.390%	98.648%
3	18:31:13	97.627%	-0.514	0.022	0.005	-0.032	0.002	99.418%	99.341%
x		96.436%	-0.412	0.054	0.043	-0.019	0.005	97.747%	98.154%
σ		1.530%	0.094	0.028	0.033	0.021	0.010	2.068%	1.496%
%RSD		1.586	22.930	52.780	76.550	110.500	205.200	2.116	1.524

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:29:46	0.027	0.006	0.092	0.099	0.092	97.195%
2	18:30:30	0.005	-0.004	0.053	0.038	0.048	99.109%
3	18:31:13	-0.000	0.001	0.052	0.023	0.040	99.421%
x		0.010	0.001	0.066	0.053	0.060	98.575%
σ		0.014	0.005	0.023	0.040	0.028	1.205%
%RSD		137.100	435.200	35.270	75.350	46.440	1.223

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:34:07	93.447%	43.780	897.800	901.700	0.000	43130.000	47440.000	48130.000
2	18:34:50	93.920%	43.690	878.900	915.200	0.000	42880.000	48210.000	49210.000
3	18:35:33	96.074%	43.390	903.900	906.800	0.000	42770.000	48490.000	49430.000
x		94.480%	43.620	893.500	907.900	0.000	42930.000	48050.000	48920.000
σ		1.400%	0.201	13.030	6.836	0.000	182.700	544.800	692.500
%RSD		1.482	0.461	1.459	0.753	0.000	0.426	1.134	1.415

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:34:07	1864.000	9140.000	0.000	46180.000	45850.000	44840.000	87.243%	948.600
2	18:34:50	1912.000	9227.000	0.000	45400.000	46280.000	43680.000	87.521%	951.300
3	18:35:33	1878.000	9310.000	0.000	45520.000	46300.000	44200.000	87.895%	962.200
x		1885.000	9226.000	0.000	45700.000	46150.000	44240.000	87.553%	954.000
σ		24.640	84.910	0.000	419.100	254.700	582.100	0.327%	7.209
%RSD		1.307	0.920	0.000	0.917	0.552	1.316	0.373	0.756

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:34:07	482.300	196.200	488.200	990.200	1139.000	472.800	472.100	238.500
2	18:34:50	488.500	198.900	495.600	1001.000	1153.000	479.600	475.600	238.900
3	18:35:33	490.600	199.800	499.800	1008.000	1139.000	476.000	475.500	239.400
x		487.100	198.300	494.600	999.900	1144.000	476.100	474.400	239.000
σ		4.345	1.876	5.862	9.038	8.385	3.400	1.990	0.425
%RSD		0.892	0.946	1.185	0.904	0.733	0.714	0.419	0.178

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:34:07	239.100	473.600	468.700	38.610	12.530	11.420	0.000	978.300
2	18:34:50	240.000	473.100	467.500	38.320	11.600	7.769	0.000	973.900
3	18:35:33	239.100	467.700	461.200	37.420	11.510	6.945	0.000	975.100
x		239.400	471.500	465.800	38.120	11.880	8.713	0.000	975.800
σ		0.508	3.285	4.007	0.624	0.564	2.384	0.000	2.284
%RSD		0.212	0.697	0.860	1.637	4.752	27.360	0.000	0.234

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:34:07	86.195%	995.200	987.600	88.806%	47.060	46.880	47.390	43.670
2	18:34:50	89.014%	1009.000	1006.000	91.079%	47.100	47.110	46.670	43.260
3	18:35:33	90.094%	1018.000	1010.000	92.213%	47.340	46.990	47.110	44.290
x		88.434%	1007.000	1001.000	90.699%	47.170	47.000	47.060	43.740
σ		2.013%	11.380	12.030	1.735%	0.149	0.113	0.360	0.523
%RSD		2.277	1.130	1.202	1.913	0.316	0.240	0.766	1.196

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:34:07	90.055%	1833.000	465.600	465.900	1850.000	1836.000	95.218%	96.507%
2	18:34:50	92.824%	1836.000	462.900	463.600	1850.000	1830.000	100.232%	100.233%
3	18:35:33	93.940%	1841.000	463.600	466.900	1851.000	1835.000	102.285%	102.848%
x		92.273%	1837.000	464.100	465.500	1850.000	1834.000	99.245%	99.863%
σ		2.000%	4.168	1.409	1.652	0.798	2.899	3.635%	3.187%
%RSD		2.167	0.227	0.304	0.355	0.043	0.158	3.663	3.191

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:34:07	46.880	47.260	19.350	19.550	19.510	94.630%
2	18:34:50	47.710	47.660	19.360	19.520	19.390	98.072%
3	18:35:33	47.330	47.790	19.300	19.400	19.440	99.994%
x		47.310	47.570	19.340	19.490	19.450	97.565%
σ		0.415	0.274	0.031	0.078	0.059	2.718%
%RSD		0.877	0.576	0.161	0.402	0.303	2.786

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:38:25	93.498%	0.318	59.650	58.380	0.000	16910.000	47310.000	48160.000
2	18:39:08	94.106%	0.219	58.740	55.730	0.000	16550.000	47700.000	48670.000
3	18:39:51	93.421%	0.235	57.940	54.400	0.000	16450.000	47900.000	48880.000
x		93.675%	0.258	58.780	56.170	0.000	16640.000	47640.000	48570.000
σ		0.376%	0.053	0.857	2.023	0.000	244.000	302.100	367.200
%RSD		0.401	20.650	1.458	3.601	0.000	1.467	0.634	0.756

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:38:25	5707.000	19110.000	0.000	3217.000	111000.000	114400.000	85.740%	47.750
2	18:39:08	5762.000	19210.000	0.000	3154.000	109000.000	114300.000	87.022%	46.100
3	18:39:51	5783.000	19200.000	0.000	3112.000	109300.000	113400.000	86.922%	49.300
x		5750.000	19180.000	0.000	3161.000	109700.000	114100.000	86.562%	47.720
σ		39.410	53.430	0.000	52.620	1081.000	522.700	0.713%	1.596
%RSD		0.685	0.279	0.000	1.665	0.985	0.458	0.824	3.345

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:38:25	11.300	12.900	286.500	7458.000	7545.000	3.341	10.760	5.170
2	18:39:08	12.650	12.580	287.400	7375.000	7474.000	3.348	10.540	5.095
3	18:39:51	12.980	12.680	287.000	7363.000	7453.000	3.356	10.660	5.004
x		12.310	12.720	286.900	7399.000	7491.000	3.348	10.650	5.090
σ		0.890	0.164	0.480	51.860	48.480	0.007	0.109	0.083
%RSD		7.229	1.292	0.167	0.701	0.647	0.215	1.023	1.638

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:38:25	5.121	50.560	51.000	8.790	1.202	-4.190	0.000	219.900
2	18:39:08	4.977	50.980	49.640	9.484	-1.030	-4.921	0.000	218.100
3	18:39:51	4.944	52.120	50.740	9.646	-1.187	-3.820	0.000	218.300
x		5.014	51.220	50.460	9.307	-0.338	-4.310	0.000	218.800
σ		0.094	0.806	0.721	0.455	1.336	0.560	0.000	1.007
%RSD		1.882	1.574	1.428	4.887	395.000	13.000	0.000	0.460

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:38:25	92.349%	13.420	13.090	87.873%	0.018	0.009	0.154	0.084
2	18:39:08	94.624%	9.387	9.255	90.577%	0.020	0.035	0.016	0.002
3	18:39:51	95.329%	7.421	7.505	89.758%	0.009	0.013	0.121	0.053
x		94.101%	10.080	9.952	89.403%	0.016	0.019	0.097	0.046
σ		1.557%	3.060	2.859	1.387%	0.006	0.014	0.072	0.041
%RSD		1.655	30.370	28.730	1.551	35.640	73.590	74.530	88.910

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:38:25	89.852%	22.240	0.614	0.712	324.300	322.200	95.108%	96.470%
2	18:39:08	91.540%	17.000	0.544	0.508	324.500	322.800	97.683%	98.679%
3	18:39:51	91.865%	13.720	0.381	0.384	322.600	320.200	98.655%	99.352%
x		91.085%	17.650	0.513	0.535	323.800	321.700	97.149%	98.167%
σ		1.081%	4.296	0.119	0.166	1.038	1.333	1.833%	1.508%
%RSD		1.187	24.330	23.240	30.990	0.321	0.414	1.887	1.536

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:38:25	0.501	0.496	3.136	3.134	3.102	94.937%
2	18:39:08	0.342	0.352	3.086	2.970	3.038	97.615%
3	18:39:51	0.306	0.261	3.159	3.035	3.080	97.697%
x		0.383	0.370	3.127	3.046	3.073	96.749%
σ		0.104	0.119	0.037	0.083	0.032	1.570%
%RSD		27.060	32.110	1.191	2.716	1.043	1.623

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:42:42	94.972%	0.012	42.600	44.690	0.000	42530.000	33910.000	34520.000
2	18:43:25	95.879%	-0.002	43.360	43.020	0.000	41500.000	34380.000	34940.000
3	18:44:08	96.323%	0.133	37.220	44.500	0.000	41870.000	34690.000	35230.000
x		95.725%	0.048	41.060	44.070	0.000	41970.000	34330.000	34900.000
σ		0.688%	0.074	3.350	0.915	0.000	522.100	388.700	355.900
%RSD		0.719	154.400	8.158	2.076	0.000	1.244	1.132	1.020

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:42:42	59.800	8448.000	0.000	1334.000	59280.000	60940.000	86.496%	2.006
2	18:43:25	58.070	8438.000	0.000	1324.000	58840.000	60920.000	87.430%	2.019
3	18:44:08	54.410	8500.000	0.000	1322.000	58580.000	60470.000	87.888%	1.443
x		57.430	8462.000	0.000	1327.000	58900.000	60780.000	87.271%	1.823
σ		2.750	32.970	0.000	6.590	355.000	267.300	0.709%	0.329
%RSD		4.789	0.390	0.000	0.497	0.603	0.440	0.813	18.040

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:42:42	5.640	3.374	3.964	82.480	241.300	158.800	0.947	1.931
2	18:43:25	5.865	3.508	4.074	77.180	234.600	158.200	1.017	1.861
3	18:44:08	9.280	3.469	3.965	76.280	233.800	157.800	1.081	1.814
x		6.928	3.450	4.001	78.650	236.600	158.300	1.015	1.869
σ		2.040	0.069	0.064	3.350	4.111	0.494	0.067	0.059
%RSD		29.440	2.001	1.587	4.260	1.738	0.312	6.578	3.155

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:42:42	2.035	5.432	5.432	2.353	1.016	-1.041	0.000	154.500
2	18:43:25	1.792	5.222	5.893	1.001	0.180	-2.710	0.000	155.600
3	18:44:08	1.871	4.946	4.530	0.160	0.149	-0.906	0.000	154.500
x		1.899	5.200	5.285	1.171	0.448	-1.552	0.000	154.900
σ		0.124	0.244	0.693	1.107	0.492	1.005	0.000	0.623
%RSD		6.536	4.688	13.110	94.500	109.600	64.730	0.000	0.402

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:42:42	91.263%	6.871	6.987	89.662%	0.002	0.011	0.049	0.046
2	18:43:25	93.262%	6.720	6.867	90.804%	-0.002	0.002	0.046	0.067
3	18:44:08	94.501%	6.528	6.262	92.845%	-0.001	0.010	0.046	0.039
x		93.009%	6.706	6.705	91.104%	-0.000	0.007	0.047	0.051
σ		1.634%	0.172	0.389	1.612%	0.002	0.005	0.001	0.015
%RSD		1.756	2.561	5.800	1.770	640.800	68.180	3.189	28.620

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:42:42	90.300%	9.595	0.156	0.152	264.100	261.400	95.392%	95.789%
2	18:43:25	92.662%	8.785	0.152	0.134	264.400	262.900	98.595%	98.931%
3	18:44:08	94.555%	7.823	0.114	0.120	264.300	261.500	99.995%	101.188%
x		92.506%	8.734	0.141	0.135	264.300	261.900	97.994%	98.636%
σ		2.132%	0.887	0.023	0.016	0.181	0.823	2.360%	2.711%
%RSD		2.305	10.160	16.370	11.790	0.068	0.314	2.408	2.749

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:42:42	0.096	0.090	0.340	0.356	0.338	94.462%
2	18:43:25	0.067	0.080	0.316	0.318	0.310	97.416%
3	18:44:08	0.055	0.062	0.293	0.303	0.302	98.898%
x		0.073	0.077	0.316	0.326	0.317	96.925%
σ		0.021	0.014	0.023	0.027	0.019	2.258%
%RSD		29.130	18.620	7.395	8.273	6.011	2.330

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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	18:46:59	96.722%	0.011	43.670	43.380	0.000	23640.000	36260.000	37020.000
2	18:47:42	96.986%	0.038	39.140	44.490	0.000	23200.000	36730.000	37680.000
3	18:48:26	96.682%	0.051	44.010	42.830	0.000	23380.000	37360.000	38050.000
x		96.797%	0.033	42.270	43.560	0.000	23400.000	36780.000	37580.000
σ		0.165%	0.020	2.716	0.845	0.000	220.700	551.200	520.100
%RSD		0.171	61.090	6.425	1.940	0.000	0.943	1.499	1.384

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:46:59	151.600	7959.000	0.000	1238.000	55900.000	57900.000	88.578%	3.572
2	18:47:42	158.400	8002.000	0.000	1219.000	55030.000	57580.000	89.457%	7.226
3	18:48:26	163.000	8049.000	0.000	1201.000	56110.000	58090.000	89.309%	1.820
x		157.700	8004.000	0.000	1220.000	55680.000	57860.000	89.114%	4.206
σ		5.764	45.130	0.000	18.710	574.100	260.700	0.470%	2.758
%RSD		3.656	0.564	0.000	1.534	1.031	0.451	0.528	65.580

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:46:59	4.346	6.533	5.925	265.800	412.500	2.231	1.158	2.060
2	18:47:42	4.035	6.506	5.942	264.500	410.600	2.171	0.792	2.079
3	18:48:26	3.758	6.519	5.873	266.300	409.100	2.192	0.969	1.944
x		4.046	6.519	5.913	265.600	410.700	2.198	0.973	2.028
σ		0.294	0.013	0.036	0.903	1.709	0.030	0.183	0.073
%RSD		7.274	0.202	0.614	0.340	0.416	1.386	18.800	3.609

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:46:59	2.312	11.040	10.780	1.893	0.694	-3.244	0.000	158.100
2	18:47:42	2.270	10.100	10.280	1.598	-0.199	-3.426	0.000	157.700
3	18:48:26	2.003	10.830	10.350	1.240	-0.971	-3.869	0.000	158.300
x		2.195	10.660	10.470	1.577	-0.158	-3.513	0.000	158.000
σ		0.168	0.494	0.270	0.327	0.833	0.322	0.000	0.325
%RSD		7.633	4.638	2.581	20.750	525.800	9.152	0.000	0.206

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:46:59	92.457%	5.562	5.525	92.136%	0.029	0.028	0.427	0.364
2	18:47:42	95.400%	5.350	5.519	93.975%	0.020	0.029	0.415	0.429
3	18:48:26	95.487%	5.518	5.447	93.553%	0.018	0.029	0.352	0.341
x		94.448%	5.477	5.497	93.221%	0.022	0.029	0.398	0.378
σ		1.725%	0.112	0.043	0.963%	0.006	0.001	0.041	0.046
%RSD		1.827	2.048	0.790	1.033	24.660	2.244	10.190	12.060

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:46:59	91.743%	5.886	0.080	0.083	272.300	273.300	96.867%	97.889%
2	18:47:42	94.024%	5.475	0.085	0.096	269.700	271.500	100.835%	100.797%
3	18:48:26	94.634%	5.300	0.080	0.095	272.500	271.100	100.330%	101.116%
x		93.467%	5.554	0.082	0.092	271.500	272.000	99.344%	99.934%
σ		1.524%	0.301	0.003	0.007	1.556	1.168	2.160%	1.778%
%RSD		1.631	5.417	3.934	7.817	0.573	0.430	2.174	1.779

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:46:59	0.043	0.027	0.335	0.320	0.317	96.932%
2	18:47:42	0.038	0.032	0.324	0.295	0.299	99.201%
3	18:48:26	0.036	0.034	0.294	0.283	0.282	99.252%
x		0.039	0.031	0.318	0.299	0.299	98.462%
σ		0.003	0.003	0.022	0.019	0.017	1.325%
%RSD		8.384	10.890	6.774	6.193	5.802	1.346

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:51:17	96.928%	0.011	38.430	37.980	0.000	31250.000	40940.000	41720.000
2	18:52:00	98.607%	0.076	36.280	37.340	0.000	30250.000	41220.000	42010.000
3	18:52:43	99.734%	0.048	34.700	36.690	0.000	30240.000	41340.000	42070.000
x		98.423%	0.045	36.470	37.330	0.000	30580.000	41170.000	41940.000
σ		1.412%	0.032	1.875	0.644	0.000	582.800	203.000	186.900
%RSD		1.435	71.970	5.142	1.725	0.000	1.906	0.493	0.446

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:51:17	160.900	7074.000	0.000	1012.000	68740.000	71720.000	88.021%	2.201
2	18:52:00	155.600	7032.000	0.000	987.800	68980.000	71490.000	89.421%	2.286
3	18:52:43	157.400	7054.000	0.000	983.200	67620.000	71150.000	89.135%	1.980
x		158.000	7053.000	0.000	994.300	68450.000	71450.000	88.859%	2.155
σ		2.655	21.160	0.000	15.350	729.900	285.200	0.740%	0.158
%RSD		1.681	0.300	0.000	1.543	1.066	0.399	0.833	7.333

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:51:17	6.634	3.460	11.640	169.200	362.600	0.187	1.558	1.212
2	18:52:00	4.503	3.518	11.900	165.400	350.200	0.180	1.372	1.098
3	18:52:43	5.415	3.289	11.950	166.900	355.100	0.183	1.451	1.046
x		5.518	3.423	11.830	167.200	355.900	0.183	1.461	1.119
σ		1.069	0.119	0.166	1.913	6.240	0.004	0.093	0.085
%RSD		19.370	3.475	1.406	1.144	1.753	1.925	6.378	7.566

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:51:17	1.322	3.879	4.059	4.928	0.146	-2.375	0.000	197.900
2	18:52:00	1.272	3.730	3.596	2.045	-1.641	-2.029	0.000	197.200
3	18:52:43	1.181	4.245	3.608	3.663	-1.275	-3.816	0.000	198.400
x		1.258	3.951	3.754	3.545	-0.923	-2.740	0.000	197.800
σ		0.071	0.265	0.264	1.445	0.944	0.948	0.000	0.563
%RSD		5.661	6.698	7.030	40.770	102.300	34.580	0.000	0.285

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:51:17	92.441%	1.789	1.850	89.428%	-0.003	-0.007	0.025	0.003
2	18:52:00	95.137%	1.787	1.703	91.670%	-0.006	-0.002	-0.010	-0.014
3	18:52:43	95.378%	1.764	1.793	93.732%	-0.005	0.001	0.024	-0.012
x		94.319%	1.780	1.782	91.610%	-0.005	-0.003	0.013	-0.008
σ		1.631%	0.014	0.074	2.152%	0.001	0.004	0.020	0.009
%RSD		1.729	0.791	4.148	2.350	27.740	161.100	157.200	115.200

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:51:17	91.154%	4.624	0.083	0.085	342.800	343.000	96.051%	96.353%
2	18:52:00	93.197%	4.523	0.110	0.105	347.100	341.800	98.297%	99.550%
3	18:52:43	94.488%	4.215	0.083	0.078	344.800	341.700	100.189%	100.642%
x		92.946%	4.454	0.092	0.089	344.900	342.200	98.179%	98.848%
σ		1.681%	0.213	0.015	0.014	2.112	0.765	2.072%	2.229%
%RSD		1.809	4.790	16.760	15.510	0.612	0.224	2.110	2.255

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:51:17	0.052	0.055	0.277	0.281	0.272	94.815%
2	18:52:00	0.038	0.042	0.236	0.227	0.236	97.426%
3	18:52:43	0.025	0.045	0.225	0.224	0.232	98.180%
x		0.038	0.047	0.246	0.244	0.246	96.807%
σ		0.014	0.007	0.027	0.032	0.022	1.766%
%RSD		35.550	13.860	11.010	13.100	8.940	1.824

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:55:35	98.107%	0.063	9.476	9.030	0.000	6273.000	7896.000	8086.000
2	18:56:17	98.636%	0.062	9.685	10.150	0.000	6326.000	8024.000	8255.000
3	18:57:00	99.002%	-0.030	10.090	9.766	0.000	6273.000	8053.000	8335.000
x		98.581%	0.032	9.749	9.650	0.000	6291.000	7991.000	8225.000
σ		0.450%	0.053	0.311	0.571	0.000	30.570	83.530	127.400
%RSD		0.456	167.200	3.190	5.920	0.000	0.486	1.045	1.549

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:55:35	32.030	1366.000	0.000	193.600	13900.000	13420.000	91.657%	0.486
2	18:56:17	30.440	1388.000	0.000	190.500	13730.000	13380.000	91.994%	0.500
3	18:57:00	31.590	1397.000	0.000	192.900	13560.000	13450.000	91.963%	0.585
x		31.350	1384.000	0.000	192.300	13730.000	13420.000	91.872%	0.524
σ		0.820	16.080	0.000	1.619	166.500	35.930	0.186%	0.053
%RSD		2.615	1.162	0.000	0.842	1.212	0.268	0.203	10.170

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:55:35	0.641	0.951	2.301	56.570	62.940	0.027	0.278	0.317
2	18:56:17	2.438	0.868	2.439	54.070	64.110	0.037	0.222	0.228
3	18:57:00	2.102	0.957	2.309	53.590	62.540	0.047	0.275	0.233
x		1.727	0.925	2.350	54.750	63.200	0.037	0.258	0.259
σ		0.955	0.050	0.077	1.602	0.816	0.010	0.031	0.050
%RSD		55.320	5.372	3.296	2.926	1.292	26.920	12.190	19.160

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:55:35	0.298	0.572	0.971	-0.588	-1.616	-8.062	0.000	37.340
2	18:56:17	0.380	0.531	0.645	-0.017	-2.505	-7.209	0.000	37.500
3	18:57:00	0.318	0.742	0.651	-0.422	-1.970	-6.086	0.000	37.170
x		0.332	0.615	0.755	-0.342	-2.030	-7.119	0.000	37.340
σ		0.043	0.112	0.186	0.294	0.448	0.991	0.000	0.163
%RSD		12.860	18.160	24.670	85.910	22.060	13.920	0.000	0.437

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:55:35	100.903%	0.372	0.414	96.170%	-0.008	-0.004	0.050	0.028
2	18:56:17	104.167%	0.496	0.425	98.376%	-0.013	0.000	-0.002	0.004
3	18:57:00	104.419%	0.430	0.349	98.288%	-0.011	-0.006	0.073	0.049
x		103.163%	0.433	0.396	97.612%	-0.011	-0.003	0.041	0.027
σ		1.961%	0.062	0.041	1.249%	0.003	0.003	0.039	0.023
%RSD		1.901	14.250	10.390	1.280	25.210	98.670	94.890	84.210

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:55:35	94.800%	-0.520	-0.060	-0.057	68.770	68.780	98.659%	98.975%
2	18:56:17	97.489%	-0.521	-0.053	-0.081	69.560	68.380	101.859%	102.459%
3	18:57:00	97.276%	-0.610	-0.060	-0.054	68.840	69.390	102.092%	102.981%
x		96.522%	-0.551	-0.058	-0.064	69.060	68.850	100.870%	101.472%
σ		1.495%	0.052	0.004	0.015	0.436	0.510	1.918%	2.178%
%RSD		1.549	9.401	6.487	22.740	0.632	0.741	1.902	2.146

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:55:35	0.000	-0.005	0.099	0.078	0.090	94.983%
2	18:56:17	-0.010	0.001	0.077	0.031	0.075	97.845%
3	18:57:00	-0.010	-0.004	0.075	0.054	0.063	99.161%
x		-0.007	-0.003	0.084	0.055	0.076	97.330%
σ		0.006	0.003	0.014	0.023	0.014	2.136%
%RSD		89.720	107.600	16.260	42.850	17.980	2.195

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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	18:59:53	75.691%	53.900	1163.000	1147.000	0.000	84880.000	98000.000	99330.000
2	19:00:35	77.126%	52.200	1170.000	1151.000	0.000	82130.000	98700.000	100100.000
3	19:01:18	77.810%	50.550	1144.000	1145.000	0.000	82040.000	99050.000	100600.000
x		76.875%	52.210	1159.000	1147.000	0.000	83020.000	98590.000	100000.000
σ		1.081%	1.675	13.370	3.035	0.000	1611.000	536.900	629.900
%RSD		1.406	3.208	1.154	0.265	0.000	1.940	0.545	0.630

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:59:53	2328.000	17270.000	0.000	48010.000	114100.000	117000.000	89.085%	927.900
2	19:00:35	2313.000	17340.000	0.000	47270.000	113800.000	116800.000	89.926%	931.300
3	19:01:18	2258.000	17390.000	0.000	47040.000	113400.000	116300.000	89.849%	930.300
x		2300.000	17340.000	0.000	47440.000	113800.000	116700.000	89.620%	929.800
σ		36.720	59.660	0.000	506.600	344.800	399.800	0.465%	1.747
%RSD		1.597	0.344	0.000	1.068	0.303	0.343	0.519	0.188

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:59:53	472.500	192.000	485.100	1153.000	1450.000	458.500	456.300	227.300
2	19:00:35	477.400	192.800	485.900	1146.000	1450.000	453.600	450.200	226.700
3	19:01:18	480.300	193.200	490.300	1149.000	1451.000	454.400	445.600	223.900
x		476.700	192.700	487.100	1149.000	1450.000	455.500	450.700	226.000
σ		3.944	0.610	2.780	3.579	0.682	2.611	5.375	1.787
%RSD		0.827	0.317	0.571	0.311	0.047	0.573	1.193	0.791

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:59:53	226.400	446.100	440.800	447.800	440.500	445.000	0.000	1106.000
2	19:00:35	223.700	443.600	443.700	447.000	438.500	444.800	0.000	1109.000
3	19:01:18	224.800	442.500	443.400	444.900	438.800	442.900	0.000	1103.000
x		225.000	444.100	442.600	446.600	439.300	444.200	0.000	1106.000
σ		1.316	1.825	1.585	1.508	1.072	1.161	0.000	2.773
%RSD		0.585	0.411	0.358	0.338	0.244	0.261	0.000	0.251

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:59:53	92.791%	956.200	958.000	89.341%	46.300	45.540	46.330	42.880
2	19:00:35	94.815%	966.400	972.700	90.427%	46.200	45.840	46.280	43.190
3	19:01:18	96.121%	970.000	974.300	91.188%	45.590	46.290	47.010	44.280
x		94.576%	964.200	968.400	90.319%	46.030	45.890	46.540	43.450
σ		1.678%	7.160	9.001	0.928%	0.387	0.374	0.410	0.735
%RSD		1.774	0.743	0.929	1.028	0.840	0.816	0.881	1.691

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:59:53	91.156%	1788.000	452.700	452.300	2146.000	2128.000	97.388%	97.161%
2	19:00:35	92.575%	1805.000	454.400	456.500	2163.000	2143.000	99.139%	99.543%
3	19:01:18	93.255%	1808.000	456.300	458.200	2161.000	2151.000	100.273%	101.522%
x		92.329%	1800.000	454.500	455.700	2157.000	2140.000	98.934%	99.408%
σ		1.071%	10.710	1.798	3.047	9.466	11.950	1.454%	2.184%
%RSD		1.160	0.595	0.396	0.669	0.439	0.558	1.469	2.197

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:59:53	450.500	449.700	460.400	460.100	458.600	96.057%
2	19:00:35	454.700	456.000	462.700	463.500	461.600	98.047%
3	19:01:18	459.400	460.100	462.700	465.300	463.200	98.416%
x		454.900	455.300	461.900	463.000	461.100	97.507%
σ		4.464	5.232	1.327	2.599	2.313	1.269%
%RSD		0.981	1.149	0.287	0.561	0.502	1.301

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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	19:04:11	75.992%	53.710	1178.000	1174.000	0.000	86130.000	100300.000	101400.000
2	19:04:54	77.750%	53.680	1148.000	1146.000	0.000	84110.000	101400.000	102600.000
3	19:05:37	77.106%	53.210	1177.000	1179.000	0.000	84870.000	102900.000	104500.000
x		76.949%	53.530	1168.000	1166.000	0.000	85040.000	101500.000	102800.000
σ		0.889%	0.278	16.750	17.360	0.000	1018.000	1337.000	1573.000
%RSD		1.156	0.518	1.434	1.488	0.000	1.197	1.317	1.530

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:04:11	2358.000	17730.000	0.000	48170.000	116900.000	120000.000	88.869%	941.000
2	19:04:54	2366.000	17740.000	0.000	47550.000	116800.000	119800.000	89.442%	942.900
3	19:05:37	2389.000	18030.000	0.000	48130.000	116900.000	120500.000	89.697%	941.000
x		2371.000	17830.000	0.000	47950.000	116900.000	120100.000	89.336%	941.600
σ		16.130	168.000	0.000	350.200	49.230	351.100	0.424%	1.094
%RSD		0.680	0.942	0.000	0.730	0.042	0.292	0.474	0.116

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:04:11	479.300	193.200	488.900	1171.000	1502.000	459.300	457.700	232.000
2	19:04:54	484.300	194.800	496.300	1181.000	1483.000	463.700	461.800	229.000
3	19:05:37	487.600	195.900	495.600	1175.000	1461.000	458.000	457.500	227.500
x		483.700	194.600	493.600	1176.000	1482.000	460.300	459.000	229.500
σ		4.159	1.368	4.058	5.074	20.890	2.982	2.406	2.307
%RSD		0.860	0.703	0.822	0.431	1.410	0.648	0.524	1.005

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:04:11	231.300	449.800	449.700	453.400	444.800	455.500	0.000	1123.000
2	19:04:54	229.200	451.200	448.500	449.000	449.400	449.300	0.000	1130.000
3	19:05:37	226.700	450.800	445.800	449.300	441.000	453.400	0.000	1126.000
x		229.100	450.600	448.000	450.600	445.100	452.700	0.000	1126.000
σ		2.305	0.688	2.020	2.460	4.216	3.171	0.000	3.685
%RSD		1.006	0.153	0.451	0.546	0.947	0.701	0.000	0.327

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:04:11	92.883%	960.200	969.700	89.080%	46.110	46.160	46.150	43.690
2	19:04:54	95.067%	973.500	979.500	91.582%	46.010	46.000	46.980	43.900
3	19:05:37	96.463%	974.500	978.800	92.579%	46.200	46.280	46.340	43.140
x		94.804%	969.400	976.000	91.080%	46.110	46.150	46.490	43.570
σ		1.804%	7.992	5.443	1.803%	0.099	0.143	0.436	0.391
%RSD		1.903	0.825	0.558	1.979	0.214	0.310	0.937	0.898

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:04:11	90.541%	1831.000	456.000	457.000	2192.000	2164.000	95.731%	97.252%
2	19:04:54	93.286%	1823.000	455.100	456.500	2182.000	2166.000	99.502%	100.537%
3	19:05:37	94.233%	1800.000	455.500	455.900	2180.000	2166.000	101.646%	102.548%
x		92.686%	1818.000	455.500	456.500	2185.000	2166.000	98.960%	100.112%
σ		1.918%	16.090	0.454	0.542	6.343	1.176	2.994%	2.673%
%RSD		2.069	0.885	0.100	0.119	0.290	0.054	3.026	2.670

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:04:11	458.500	459.200	465.900	468.200	465.200	94.791%
2	19:04:54	460.800	461.400	468.300	468.000	466.700	97.816%
3	19:05:37	462.000	461.700	465.900	467.000	465.400	99.857%
x		460.400	460.800	466.700	467.800	465.800	97.488%
σ		1.738	1.374	1.407	0.653	0.839	2.549%
%RSD		0.378	0.298	0.302	0.140	0.180	2.615

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:08:30	99.309%	0.088	61.280	64.800	0.000	43820.000	41100.000	41880.000
2	19:09:13	98.389%	0.063	60.370	63.210	0.000	43160.000	41820.000	42640.000
3	19:09:56	99.035%	-0.003	63.370	59.520	0.000	42770.000	41900.000	42890.000
x		98.911%	0.049	61.680	62.510	0.000	43250.000	41610.000	42470.000
σ		0.472%	0.047	1.540	2.706	0.000	531.100	440.800	524.300
%RSD		0.477	96.180	2.497	4.329	0.000	1.228	1.059	1.234

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:08:30	398.800	9099.000	0.000	1518.000	66430.000	70020.000	89.559%	6.773
2	19:09:13	404.000	9194.000	0.000	1483.000	66360.000	69010.000	90.998%	5.486
3	19:09:56	404.400	9239.000	0.000	1468.000	65890.000	69270.000	90.521%	5.427
x		402.400	9178.000	0.000	1489.000	66230.000	69430.000	90.359%	5.895
σ		3.102	71.170	0.000	25.750	292.700	521.900	0.733%	0.761
%RSD		0.771	0.775	0.000	1.729	0.442	0.752	0.811	12.900

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:08:30	9.528	4.898	9.374	340.200	538.500	10.380	0.907	1.680
2	19:09:13	7.065	4.616	9.456	336.900	514.300	10.320	0.767	1.602
3	19:09:56	7.336	4.873	9.477	336.700	516.300	10.490	0.825	1.634
x		7.977	4.796	9.436	337.900	523.000	10.400	0.833	1.639
σ		1.351	0.156	0.055	1.941	13.440	0.086	0.070	0.039
%RSD		16.930	3.254	0.578	0.574	2.570	0.822	8.420	2.387

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:08:30	1.867	7.660	7.673	2.869	4.447	1.689	0.000	170.500
2	19:09:13	1.808	7.466	6.546	2.266	3.338	3.284	0.000	170.900
3	19:09:56	1.518	7.408	7.366	2.204	1.901	2.328	0.000	170.400
x		1.731	7.512	7.195	2.446	3.229	2.434	0.000	170.600
σ		0.187	0.132	0.583	0.367	1.276	0.803	0.000	0.253
%RSD		10.780	1.757	8.096	15.010	39.530	32.990	0.000	0.148

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:08:30	93.777%	11.350	11.580	92.938%	0.009	0.016	0.051	-0.075
2	19:09:13	96.298%	7.624	7.451	94.449%	0.009	0.001	0.001	-0.014
3	19:09:56	96.789%	5.880	5.954	93.215%	0.007	0.012	-0.000	-0.047
x		95.621%	8.286	8.330	93.534%	0.008	0.009	0.017	-0.045
σ		1.616%	2.796	2.916	0.805%	0.001	0.008	0.029	0.031
%RSD		1.690	33.750	35.000	0.860	15.560	79.460	168.000	67.610

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:08:30	92.245%	26.170	0.525	0.446	305.200	300.700	97.012%	98.128%
2	19:09:13	94.405%	19.410	0.336	0.361	301.200	301.300	99.728%	99.800%
3	19:09:56	95.206%	16.010	0.296	0.274	298.400	299.000	101.059%	101.103%
x		93.952%	20.530	0.386	0.360	301.600	300.300	99.266%	99.677%
σ		1.532%	5.173	0.123	0.086	3.413	1.187	2.063%	1.491%
%RSD		1.630	25.190	31.770	23.870	1.132	0.395	2.078	1.496

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:08:30	2.900	2.875	0.469	0.455	0.468	97.098%
2	19:09:13	1.975	1.999	0.407	0.366	0.396	98.937%
3	19:09:56	1.510	1.583	0.322	0.339	0.350	98.923%
x		2.128	2.152	0.399	0.387	0.404	98.319%
σ		0.708	0.660	0.074	0.061	0.059	1.057%
%RSD		33.260	30.660	18.420	15.710	14.680	1.075

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:12:49	90.883%	1.107	104.000	105.400	0.000	28070.000	183900.000	186300.000
2	19:13:32	92.985%	1.080	103.100	107.700	0.000	27680.000	183600.000	186600.000
3	19:14:15	93.084%	1.120	97.950	106.000	0.000	27570.000	185200.000	188400.000
x		92.317%	1.103	101.700	106.400	0.000	27780.000	184200.000	187100.000
σ		1.243%	0.020	3.263	1.189	0.000	262.100	891.100	1129.000
%RSD		1.346	1.837	3.209	1.118	0.000	0.944	0.484	0.604

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:12:49	22480.000	55330.000	0.000	8281.000	385200.000	400700.000	89.060%	225.000
2	19:13:32	22470.000	55130.000	0.000	8195.000	383300.000	396800.000	91.154%	216.200
3	19:14:15	22720.000	55470.000	0.000	8114.000	381500.000	396700.000	91.729%	216.500
x		22560.000	55310.000	0.000	8197.000	383400.000	398100.000	90.647%	219.300
σ		144.600	171.400	0.000	83.630	1841.000	2274.000	1.404%	5.017
%RSD		0.641	0.310	0.000	1.020	0.480	0.571	1.549	2.288

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:12:49	66.000	112.800	1703.000	35840.000	35960.000	22.640	69.690	59.470
2	19:13:32	65.050	112.800	1707.000	35730.000	35970.000	21.980	69.550	59.720
3	19:14:15	67.010	113.100	1703.000	35730.000	35750.000	22.140	68.220	58.990
x		66.020	112.900	1704.000	35760.000	35890.000	22.250	69.150	59.390
σ		0.980	0.168	2.078	64.240	123.600	0.342	0.812	0.373
%RSD		1.484	0.149	0.122	0.180	0.344	1.538	1.174	0.627

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:12:49	61.200	132.100	133.600	16.000	2.582	0.255	0.000	507.900
2	19:13:32	59.910	132.000	134.800	16.970	1.998	0.468	0.000	505.900
3	19:14:15	59.490	129.600	131.500	16.810	1.208	-0.809	0.000	504.300
x		60.200	131.300	133.300	16.590	1.930	-0.028	0.000	506.000
σ		0.891	1.417	1.635	0.516	0.690	0.684	0.000	1.812
%RSD		1.481	1.080	1.227	3.113	35.730	2402.000	0.000	0.358

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:12:49	0.000	12.770	13.110	86.510%	3.129	3.208	0.711	0.738
2	19:13:32	0.000	12.920	12.070	90.019%	3.217	3.186	0.683	0.593
3	19:14:15	0.000	11.840	12.040	91.104%	3.176	3.158	0.714	0.669
x		0.000	12.510	12.410	89.211%	3.174	3.184	0.703	0.667
σ		0.000	0.588	0.610	2.401%	0.044	0.025	0.017	0.072
%RSD		0.000	4.698	4.919	2.691	1.374	0.786	2.429	10.830

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:12:49	87.867%	19.260	1.117	1.123	533.000	524.700	94.823%	96.097%
2	19:13:32	89.762%	18.190	1.150	1.155	531.600	527.700	99.066%	99.451%
3	19:14:15	91.847%	16.970	1.091	1.088	528.400	524.100	100.081%	100.524%
x		89.825%	18.140	1.120	1.122	531.000	525.500	97.990%	98.691%
σ		1.990%	1.146	0.030	0.033	2.320	1.924	2.789%	2.309%
%RSD		2.216	6.319	2.641	2.961	0.437	0.366	2.846	2.340

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:12:49	0.972	0.989	21.020	20.180	20.430	93.918%
2	19:13:32	0.889	0.852	21.590	19.980	20.590	96.186%
3	19:14:15	0.730	0.758	21.340	20.240	20.500	97.349%
x		0.864	0.866	21.320	20.130	20.510	95.818%
σ		0.123	0.116	0.288	0.136	0.077	1.745%
%RSD		14.270	13.400	1.349	0.674	0.378	1.821

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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	19:20:05	97.001%	92.550	95.710	94.830	0.000	47330.000	47800.000	47840.000
2	19:20:47	94.850%	92.580	96.040	97.820	0.000	45860.000	48500.000	48730.000
3	19:21:31	94.731%	91.530	97.290	97.270	0.000	45940.000	49130.000	49390.000
x		95.527%	92.220%	96.346%	96.641%	0.000	92.756%	96.953%	97.310%
σ		1.278%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.338	0.646	0.863	1.649	0.000	1.784	1.382	1.602

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:20:05	477.700	4837.000	0.000	48490.000	47400.000	45250.000	92.506%	97.010
2	19:20:47	480.400	4840.000	0.000	47530.000	46490.000	43870.000	93.257%	95.920
3	19:21:31	485.500	4801.000	0.000	47840.000	47110.000	44600.000	92.831%	95.670
x		96.242%	96.521%	0.000	95.912%	93.998%	89.147%	92.865%	96.201%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.377%	n/a
%RSD		0.822	0.446	0.000	1.021	0.983	1.540	0.406	0.741

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:20:05	94.570	96.070	474.700	24520.000	23930.000	96.250	96.880	95.520
2	19:20:47	95.470	95.940	480.100	24560.000	23890.000	95.030	94.770	94.540
3	19:21:31	94.920	96.150	481.600	24650.000	24120.000	95.490	94.240	94.880
x		94.987%	96.055%	95.762%	98.307%	95.926%	95.587%	95.299%	94.982%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.480	0.114	0.762	0.277	0.508	0.645	1.464	0.527

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:20:05	94.680	93.780	95.390	93.710	95.260	90.760	0.000	93.130
2	19:20:47	95.460	96.250	94.910	93.690	95.890	94.930	0.000	94.050
3	19:21:31	95.400	94.620	95.510	95.580	95.470	95.880	0.000	94.210
x		95.178%	94.882%	95.268%	94.329%	95.540%	93.858%	0.000	93.799%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.458	1.324	0.336	1.152	0.340	2.901	0.000	0.624

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:20:05	92.936%	91.370	92.860	90.666%	94.900	95.290	94.380	94.980
2	19:20:47	95.080%	95.510	96.080	92.510%	94.820	94.660	93.070	94.920
3	19:21:31	95.324%	97.340	97.550	93.569%	94.120	94.750	94.510	95.950
x		94.446%	94.740%	95.498%	92.248%	94.616%	94.902%	93.988%	95.284%
σ		1.314%	n/a	n/a	1.469%	n/a	n/a	n/a	n/a
%RSD		1.391	3.225	2.511	1.593	0.454	0.359	0.852	0.607

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:20:05	92.291%	90.590	92.010	92.230	95.560	93.800	94.487%	94.961%
2	19:20:47	93.962%	91.340	93.230	93.160	93.970	94.240	96.683%	97.648%
3	19:21:31	94.572%	91.510	92.690	92.900	94.850	94.140	97.366%	97.924%
x		93.609%	91.146%	92.644%	92.761%	94.791%	94.059%	96.179%	96.844%
σ		1.181%	n/a	n/a	n/a	n/a	n/a	1.504%	1.637%
%RSD		1.262	0.537	0.661	0.513	0.836	0.247	1.564	1.690

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:20:05	94.630	94.070	94.020	94.120	93.880	93.689%
2	19:20:47	95.810	96.110	95.890	95.860	95.670	94.527%
3	19:21:31	96.690	96.460	95.850	97.190	96.410	94.504%
x		95.708%	95.545%	95.252%	95.722%	95.323%	94.240%
σ		n/a	n/a	n/a	n/a	n/a	0.478%
%RSD		1.082	1.352	1.121	1.605	1.364	0.507

CCB3 8/23/2012 7:26:39 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	19:27:22	100.306%	0.047	2.779	3.313	0.000	-3.889	4.814	5.436
2	19:28:05	98.876%	0.022	4.038	3.304	0.000	0.475	4.327	4.815
3	19:28:48	98.661%	0.088	3.090	3.126	0.000	6.460	11.380	11.970
x		99.281%	0.052	3.302	3.248	0.000	1.015	6.841	7.406
σ		0.894%	0.033	0.656	0.105	0.000	5.196	3.939	3.961
%RSD		0.901	62.950	19.870	3.236	0.000	511.800	57.590	53.490

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:22	-0.355	-0.640	0.000	-0.065	-24.450	-16.420	95.903%	0.060
2	19:28:05	0.005	-0.556	0.000	-0.515	-24.710	-18.300	97.059%	0.171
3	19:28:48	-0.025	1.453	0.000	0.575	-15.670	-8.802	97.053%	0.139
x		-0.125	0.086	0.000	-0.002	-21.610	-14.510	96.672%	0.124
σ		0.200	1.185	0.000	0.548	5.146	5.029	0.665%	0.057
%RSD		159.900	1383.000	0.000	33810.000	23.810	34.670	0.688	46.220

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:22	-0.119	0.121	0.056	21.100	18.840	0.010	-0.007	0.126
2	19:28:05	0.279	0.153	0.051	17.750	12.560	0.006	-0.069	0.017
3	19:28:48	0.448	0.143	0.098	17.480	9.407	0.021	-0.052	0.020
x		0.203	0.139	0.068	18.780	13.600	0.012	-0.043	0.054
σ		0.291	0.017	0.026	2.019	4.803	0.008	0.032	0.062
%RSD		143.800	11.880	38.100	10.750	35.310	65.770	74.670	113.900

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:22	0.130	-0.445	-0.541	-0.237	1.960	-1.555	0.000	0.051
2	19:28:05	0.065	-0.513	-0.540	0.195	0.573	0.679	0.000	0.049
3	19:28:48	0.181	-0.462	-0.637	0.001	-0.239	-1.607	0.000	0.072
x		0.126	-0.473	-0.572	-0.014	0.764	-0.828	0.000	0.057
σ		0.058	0.035	0.056	0.216	1.112	1.305	0.000	0.013
%RSD		46.360	7.487	9.705	1580.000	145.400	157.600	0.000	22.680

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:22	96.246%	0.781	0.794	99.580%	-0.014	0.006	-0.026	-0.017
2	19:28:05	98.826%	0.721	0.676	101.250%	0.003	-0.005	0.035	0.021
3	19:28:48	100.140%	0.717	0.699	102.436%	-0.003	0.013	-0.009	0.005
x		98.404%	0.740	0.723	101.089%	-0.005	0.004	-0.000	0.003
σ		1.981%	0.036	0.062	1.435%	0.009	0.009	0.031	0.019
%RSD		2.013	4.880	8.646	1.419	176.900	201.700	22500.000	649.300

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:22	96.251%	-0.469	0.036	0.039	0.081	0.090	95.937%	96.566%
2	19:28:05	98.257%	-0.513	0.031	0.024	0.089	0.057	99.318%	99.829%
3	19:28:48	99.413%	-0.512	0.017	0.027	0.156	0.176	99.988%	100.356%
x		97.974%	-0.498	0.028	0.030	0.109	0.108	98.415%	98.917%
σ		1.600%	0.025	0.010	0.008	0.041	0.061	2.171%	2.053%
%RSD		1.633	5.101	35.980	27.190	37.730	56.830	2.206	2.075

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:27:22	0.095	0.088	0.086	0.096	0.097	98.235%
2	19:28:05	0.110	0.084	0.051	0.068	0.061	100.319%
3	19:28:48	0.122	0.142	0.088	0.074	0.074	100.497%
x		0.109	0.105	0.075	0.079	0.077	99.684%
σ		0.014	0.032	0.021	0.015	0.018	1.258%
%RSD		12.410	30.460	27.840	18.470	23.830	1.262

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:31:42	95.103%	0.066	17.380	17.810	0.000	82620.000	953.800	982.900
2	19:32:25	96.206%	0.052	18.880	17.930	0.000	82130.000	984.200	1019.000
3	19:33:08	97.808%	0.023	18.130	17.810	0.000	81420.000	974.900	1016.000
x		96.372%	0.047	18.130	17.850	0.000	82060.000	970.900	1006.000
σ		1.360%	0.022	0.752	0.072	0.000	599.200	15.580	19.840
%RSD		1.411	46.230	4.145	0.401	0.000	0.730	1.605	1.972

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:31:42	200.100	3283.000	0.000	41580.000	165900.000	170700.000	91.233%	3.182
2	19:32:25	205.000	3302.000	0.000	41460.000	165900.000	170300.000	91.852%	5.167
3	19:33:08	204.600	3319.000	0.000	41130.000	164900.000	170300.000	92.888%	2.754
x		203.200	3301.000	0.000	41390.000	165600.000	170400.000	91.991%	3.701
σ		2.741	17.730	0.000	231.300	553.200	220.300	0.836%	1.288
%RSD		1.349	0.537	0.000	0.559	0.334	0.129	0.909	34.800

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:31:42	5.845	26.100	3.355	142.100	698.200	1.677	1.973	4.637
2	19:32:25	5.697	26.040	3.477	135.300	664.100	1.731	1.842	4.412
3	19:33:08	4.936	26.590	3.335	130.700	658.200	1.739	1.795	4.232
x		5.493	26.250	3.389	136.000	673.500	1.716	1.870	4.427
σ		0.488	0.303	0.077	5.717	21.560	0.034	0.092	0.203
%RSD		8.878	1.155	2.277	4.202	3.201	1.986	4.920	4.581

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:31:42	4.786	17.340	17.320	1.324	3.963	1.969	0.000	2232.000
2	19:32:25	4.309	16.570	17.060	1.252	2.069	-0.052	0.000	2204.000
3	19:33:08	4.116	16.550	16.600	2.386	0.812	0.366	0.000	2214.000
x		4.404	16.820	17.000	1.654	2.281	0.761	0.000	2217.000
σ		0.344	0.453	0.365	0.635	1.586	1.067	0.000	14.660
%RSD		7.823	2.694	2.146	38.390	69.530	140.200	0.000	0.661

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:31:42	92.287%	8.677	8.671	90.648%	-0.007	0.009	0.451	0.433
2	19:32:25	95.849%	8.442	8.286	92.974%	-0.004	0.003	0.497	0.533
3	19:33:08	96.748%	7.743	8.437	94.397%	-0.005	0.007	0.459	0.470
x		94.961%	8.287	8.465	92.673%	-0.005	0.006	0.469	0.478
σ		2.360%	0.486	0.194	1.892%	0.001	0.003	0.025	0.051
%RSD		2.485	5.864	2.287	2.042	26.740	41.360	5.258	10.600

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:31:42	90.631%	9.150	0.656	0.711	211.700	208.000	93.927%	94.292%
2	19:32:25	93.682%	8.167	0.574	0.573	210.700	209.200	96.560%	97.635%
3	19:33:08	94.673%	7.498	0.556	0.528	209.000	208.600	98.933%	99.393%
x		92.995%	8.272	0.595	0.604	210.500	208.600	96.473%	97.107%
σ		2.106%	0.831	0.053	0.095	1.350	0.614	2.504%	2.591%
%RSD		2.265	10.040	8.935	15.780	0.641	0.294	2.596	2.669

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:31:42	0.245	0.247	0.385	0.400	0.394	94.674%
2	19:32:25	0.208	0.211	0.388	0.347	0.367	97.297%
3	19:33:08	0.193	0.175	0.341	0.342	0.342	98.493%
x		0.215	0.211	0.371	0.363	0.368	96.821%
σ		0.026	0.036	0.026	0.032	0.026	1.953%
%RSD		12.240	17.060	7.080	8.869	7.028	2.017

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:36:02	98.665%	0.088	41.660	45.200	0.000	47540.000	30100.000	30430.000
2	19:36:45	99.862%	-0.004	38.950	43.400	0.000	46560.000	30180.000	30870.000
3	19:37:28	100.925%	-0.004	42.450	45.090	0.000	46150.000	30510.000	31090.000
x		99.817%	0.027	41.020	44.570	0.000	46750.000	30270.000	30800.000
σ		1.131%	0.053	1.835	1.009	0.000	711.300	217.400	334.000
%RSD		1.133	200.100	4.475	2.265	0.000	1.522	0.718	1.084

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:36:02	79.300	5930.000	0.000	1312.000	47770.000	44690.000	91.913%	2.938
2	19:36:45	82.200	5977.000	0.000	1277.000	48010.000	46610.000	92.078%	2.373
3	19:37:28	84.110	5972.000	0.000	1259.000	48530.000	45490.000	91.954%	2.190
x		81.870	5960.000	0.000	1283.000	48110.000	45600.000	91.982%	2.500
σ		2.421	25.340	0.000	26.890	391.500	962.900	0.086%	0.390
%RSD		2.957	0.425	0.000	2.096	0.814	2.112	0.094	15.600

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:36:02	3.188	2.957	255.600	1077.000	1168.000	0.310	1.234	1.601
2	19:36:45	3.917	3.068	259.400	1086.000	1175.000	0.309	1.149	1.508
3	19:37:28	4.413	3.124	261.600	1095.000	1179.000	0.292	1.235	1.514
x		3.839	3.050	258.900	1086.000	1174.000	0.304	1.206	1.541
σ		0.616	0.085	3.064	8.766	5.452	0.010	0.049	0.052
%RSD		16.050	2.791	1.184	0.807	0.464	3.268	4.104	3.360

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:36:02	1.469	8.156	8.520	3.118	0.955	-0.571	0.000	204.500
2	19:36:45	1.298	8.104	7.971	2.378	0.305	-1.141	0.000	202.500
3	19:37:28	1.572	8.063	7.738	0.818	0.127	-5.013	0.000	203.900
x		1.446	8.108	8.076	2.105	0.462	-2.242	0.000	203.700
σ		0.138	0.047	0.402	1.174	0.436	2.417	0.000	1.058
%RSD		9.568	0.578	4.973	55.780	94.250	107.800	0.000	0.520

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:36:02	93.587%	1.992	1.871	93.217%	-0.018	-0.004	0.106	0.094
2	19:36:45	96.470%	1.743	1.812	94.764%	-0.010	0.003	-0.027	-0.036
3	19:37:28	97.058%	1.778	1.625	95.774%	-0.014	-0.000	-0.027	-0.030
x		95.705%	1.838	1.769	94.585%	-0.014	-0.000	0.017	0.009
σ		1.857%	0.135	0.128	1.288%	0.004	0.004	0.077	0.074
%RSD		1.941	7.336	7.245	1.362	28.860	898.700	447.100	790.900

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:36:02	92.536%	4.122	0.061	0.097	183.000	183.700	96.146%	97.354%
2	19:36:45	95.117%	4.103	0.095	0.073	182.200	182.000	99.090%	100.254%
3	19:37:28	95.418%	3.703	0.056	0.081	183.500	184.000	100.166%	101.378%
x		94.357%	3.976	0.071	0.084	182.900	183.200	98.467%	99.662%
σ		1.584%	0.236	0.021	0.012	0.641	1.075	2.081%	2.076%
%RSD		1.679	5.946	29.530	14.460	0.351	0.587	2.113	2.083

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:36:02	0.128	0.121	1.361	1.426	1.405	93.641%
2	19:36:45	0.086	0.094	1.355	1.316	1.385	96.271%
3	19:37:28	0.091	0.099	1.413	1.362	1.372	97.600%
x		0.101	0.105	1.376	1.368	1.387	95.838%
σ		0.023	0.014	0.032	0.055	0.017	2.015%
%RSD		22.410	13.530	2.311	4.038	1.200	2.102

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:40:23	97.128%	0.157	45.420	44.280	0.000	54480.000	32820.000	33300.000
2	19:41:06	98.935%	0.102	44.550	44.480	0.000	53880.000	33090.000	33750.000
3	19:41:49	98.854%	0.049	47.350	45.440	0.000	53290.000	33150.000	33760.000
x		98.306%	0.103	45.770	44.730	0.000	53880.000	33020.000	33600.000
σ		1.021%	0.054	1.435	0.620	0.000	597.600	177.100	261.800
%RSD		1.039	52.730	3.134	1.386	0.000	1.109	0.536	0.779

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:40:23	29.010	6831.000	0.000	969.600	54390.000	56450.000	91.054%	1.413
2	19:41:06	28.800	6850.000	0.000	972.200	55380.000	57150.000	90.011%	1.670
3	19:41:49	29.960	6828.000	0.000	965.500	54970.000	56260.000	90.611%	1.196
x		29.250	6836.000	0.000	969.100	54910.000	56620.000	90.559%	1.426
σ		0.617	12.060	0.000	3.373	501.000	469.800	0.523%	0.237
%RSD		2.108	0.176	0.000	0.348	0.912	0.830	0.578	16.630

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:40:23	1.755	3.166	375.700	2107.000	2136.000	0.179	0.573	1.148
2	19:41:06	3.520	3.142	382.200	2133.000	2191.000	0.213	0.718	1.260
3	19:41:49	3.007	3.221	382.600	2119.000	2180.000	0.191	0.695	1.188
x		2.760	3.176	380.200	2120.000	2169.000	0.194	0.662	1.199
σ		0.908	0.041	3.892	12.890	28.910	0.017	0.078	0.057
%RSD		32.890	1.288	1.024	0.608	1.333	8.871	11.740	4.742

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:40:23	1.298	1.997	1.442	1.430	1.310	-0.762	0.000	195.800
2	19:41:06	1.163	2.051	1.502	2.670	-0.118	1.852	0.000	199.600
3	19:41:49	1.101	1.931	1.783	1.834	-1.091	1.891	0.000	199.600
x		1.187	1.993	1.576	1.978	0.034	0.994	0.000	198.300
σ		0.100	0.060	0.182	0.632	1.208	1.521	0.000	2.169
%RSD		8.444	3.016	11.560	31.960	3567.000	153.100	0.000	1.093

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:40:23	0.000	2.339	2.189	92.600%	-0.009	-0.006	0.011	0.044
2	19:41:06	0.000	2.062	2.302	93.885%	-0.016	-0.007	-0.006	0.007
3	19:41:49	0.000	2.200	2.249	94.218%	-0.010	0.000	-0.067	-0.075
x		0.000	2.200	2.246	93.568%	-0.012	-0.004	-0.021	-0.008
σ		0.000	0.139	0.056	0.854%	0.004	0.004	0.041	0.061
%RSD		0.000	6.298	2.510	0.913	31.630	88.990	200.200	751.500

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:40:23	91.357%	3.275	0.061	0.073	257.600	256.900	95.344%	96.344%
2	19:41:06	93.743%	3.379	0.088	0.078	256.100	256.500	97.959%	98.739%
3	19:41:49	93.943%	3.324	0.041	0.029	256.600	255.200	98.029%	99.049%
x		93.014%	3.326	0.064	0.060	256.800	256.200	97.110%	98.044%
σ		1.439%	0.052	0.023	0.027	0.800	0.902	1.530%	1.480%
%RSD		1.547	1.562	36.610	44.560	0.312	0.352	1.576	1.510

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:40:23	0.100	0.098	1.599	1.452	1.549	93.672%
2	19:41:06	0.103	0.107	1.552	1.514	1.506	96.181%
3	19:41:49	0.129	0.116	1.487	1.536	1.499	96.011%
x		0.111	0.107	1.546	1.501	1.518	95.288%
σ		0.016	0.009	0.056	0.043	0.027	1.402%
%RSD		14.530	8.389	3.630	2.892	1.802	1.471

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:44:41	97.004%	0.038	43.700	44.550	0.000	49710.000	38600.000	39140.000
2	19:45:24	97.846%	0.010	39.500	42.940	0.000	49410.000	39000.000	39850.000
3	19:46:07	97.863%	-0.029	42.860	42.500	0.000	49020.000	39390.000	40280.000
x		97.571%	0.006	42.020	43.330	0.000	49380.000	39000.000	39760.000
σ		0.491%	0.034	2.223	1.080	0.000	347.600	396.700	580.200
%RSD		0.504	538.000	5.289	2.493	0.000	0.704	1.017	1.459

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:44:41	24.800	7704.000	0.000	2002.000	61240.000	63530.000	89.176%	1.129
2	19:45:24	23.670	7780.000	0.000	1964.000	61040.000	63660.000	90.209%	1.356
3	19:46:07	23.360	7817.000	0.000	1946.000	60700.000	63610.000	90.128%	1.218
x		23.940	7767.000	0.000	1971.000	60990.000	63600.000	89.838%	1.234
σ		0.755	57.920	0.000	28.600	271.800	62.890	0.575%	0.114
%RSD		3.155	0.746	0.000	1.451	0.446	0.099	0.640	9.260

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:44:41	3.834	3.181	11.600	59.570	233.400	0.163	0.858	1.086
2	19:45:24	4.063	2.948	11.760	55.870	219.500	0.140	0.800	0.970
3	19:46:07	7.361	3.123	11.690	53.890	219.100	0.154	0.682	0.969
x		5.086	3.084	11.680	56.440	224.000	0.152	0.780	1.008
σ		1.974	0.121	0.077	2.883	8.142	0.011	0.090	0.068
%RSD		38.810	3.935	0.662	5.107	3.635	7.385	11.500	6.697

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:44:41	1.109	3.034	2.442	2.056	1.662	-2.157	0.000	161.300
2	19:45:24	0.999	3.176	2.303	0.594	-0.001	-2.875	0.000	162.300
3	19:46:07	0.951	2.931	3.227	1.104	-0.294	-3.588	0.000	161.700
x		1.020	3.047	2.658	1.251	0.456	-2.874	0.000	161.800
σ		0.081	0.123	0.498	0.742	1.055	0.715	0.000	0.546
%RSD		7.991	4.042	18.750	59.320	231.600	24.890	0.000	0.338

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:44:41	91.637%	2.135	2.204	90.841%	0.002	0.016	-0.007	-0.001
2	19:45:24	94.301%	2.345	2.216	93.009%	-0.000	0.007	-0.043	-0.013
3	19:46:07	96.149%	2.213	2.275	94.437%	0.005	0.014	0.010	0.010
x		94.029%	2.231	2.232	92.762%	0.002	0.012	-0.013	-0.001
σ		2.268%	0.106	0.038	1.811%	0.002	0.005	0.027	0.011
%RSD		2.412	4.764	1.708	1.952	113.000	40.360	204.400	815.700

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:44:41	90.209%	2.842	1.430	1.451	263.000	260.600	93.912%	94.911%
2	19:45:24	93.027%	3.015	1.463	1.459	264.800	260.900	97.667%	98.591%
3	19:46:07	94.139%	2.613	1.462	1.442	263.300	261.200	99.010%	100.032%
x		92.458%	2.823	1.452	1.451	263.700	260.900	96.863%	97.845%
σ		2.026%	0.201	0.019	0.008	0.963	0.333	2.642%	2.641%
%RSD		2.191	7.132	1.283	0.567	0.365	0.128	2.728	2.699

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:44:41	0.085	0.082	1.907	1.936	1.939	93.042%
2	19:45:24	0.070	0.076	2.028	1.905	1.962	96.814%
3	19:46:07	0.056	0.067	2.053	1.963	1.986	98.290%
x		0.070	0.075	1.996	1.935	1.962	96.049%
σ		0.015	0.007	0.078	0.029	0.023	2.706%
%RSD		21.060	9.780	3.913	1.501	1.195	2.818

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:48:58	98.498%	0.141	25.710	26.720	0.000	7425.000	52440.000	53500.000
2	19:49:41	98.450%	0.049	23.160	26.370	0.000	7410.000	53720.000	54800.000
3	19:50:24	100.424%	0.112	25.070	24.440	0.000	7322.000	53590.000	54600.000
x		99.124%	0.101	24.650	25.840	0.000	7386.000	53250.000	54300.000
σ		1.126%	0.047	1.322	1.225	0.000	55.610	701.000	702.100
%RSD		1.136	46.530	5.365	4.739	0.000	0.753	1.316	1.293

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:48:58	2185.000	11450.000	0.000	1540.000	127500.000	132200.000	90.769%	26.000
2	19:49:41	2197.000	11600.000	0.000	1536.000	127600.000	131800.000	90.872%	23.790
3	19:50:24	2156.000	11500.000	0.000	1527.000	126500.000	132100.000	91.095%	23.920
x		2179.000	11520.000	0.000	1534.000	127200.000	132000.000	90.912%	24.570
σ		21.190	73.330	0.000	6.796	598.700	191.700	0.167%	1.240
%RSD		0.973	0.636	0.000	0.443	0.471	0.145	0.183	5.045

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:48:58	7.224	5.213	61.200	1739.000	2030.000	1.194	1.637	4.817
2	19:49:41	6.533	5.492	61.980	1751.000	2048.000	1.196	1.702	4.726
3	19:50:24	9.510	5.440	61.880	1736.000	2026.000	1.270	1.486	4.578
x		7.756	5.382	61.690	1742.000	2035.000	1.220	1.608	4.707
σ		1.558	0.149	0.426	7.835	12.140	0.043	0.111	0.121
%RSD		20.090	2.765	0.691	0.450	0.597	3.547	6.912	2.572

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:48:58	4.863	13.280	12.210	0.802	0.700	-1.826	0.000	1098.000
2	19:49:41	5.206	12.920	12.370	0.793	-0.293	-3.526	0.000	1097.000
3	19:50:24	5.021	12.580	11.610	1.949	-1.136	-3.218	0.000	1097.000
x		5.030	12.930	12.060	1.181	-0.243	-2.857	0.000	1098.000
σ		0.172	0.346	0.403	0.665	0.919	0.906	0.000	0.656
%RSD		3.421	2.678	3.344	56.260	377.700	31.700	0.000	0.060

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:48:58	94.273%	0.689	0.650	92.204%	0.001	-0.003	0.152	0.152
2	19:49:41	96.670%	0.664	0.679	93.568%	-0.003	0.001	0.049	0.083
3	19:50:24	97.167%	0.734	0.700	94.294%	-0.000	0.000	0.142	0.097
x		96.037%	0.696	0.676	93.356%	-0.001	-0.000	0.114	0.111
σ		1.547%	0.036	0.025	1.061%	0.002	0.002	0.057	0.036
%RSD		1.611	5.117	3.669	1.137	324.300	467.500	49.960	32.890

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:48:58	90.471%	2.358	0.307	0.290	474.200	473.500	96.386%	96.969%
2	19:49:41	93.212%	2.573	0.245	0.305	476.000	471.300	98.734%	99.247%
3	19:50:24	93.326%	2.609	0.291	0.310	478.100	474.200	99.394%	100.106%
x		92.336%	2.513	0.281	0.302	476.100	473.000	98.171%	98.774%
σ		1.617%	0.136	0.032	0.010	1.904	1.534	1.581%	1.621%
%RSD		1.751	5.413	11.440	3.278	0.400	0.324	1.611	1.641

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:48:58	0.074	0.074	1.659	1.565	1.628	96.482%
2	19:49:41	0.069	0.073	1.569	1.550	1.592	98.771%
3	19:50:24	0.074	0.073	1.616	1.562	1.618	98.739%
x		0.072	0.073	1.615	1.559	1.612	97.997%
σ		0.003	0.000	0.045	0.008	0.018	1.313%
%RSD		4.176	0.604	2.788	0.492	1.141	1.339

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:53:15	94.889%	1.131	35.190	35.800	0.000	6008.000	52510.000	52950.000
2	19:53:58	95.490%	1.178	34.410	36.340	0.000	5916.000	53040.000	54210.000
3	19:54:41	95.629%	1.026	36.770	36.220	0.000	5865.000	53350.000	54070.000
x		95.336%	1.112	35.460	36.120	0.000	5930.000	52970.000	53740.000
σ		0.394%	0.078	1.201	0.281	0.000	72.520	423.100	690.900
%RSD		0.413	6.976	3.387	0.778	0.000	1.223	0.799	1.286

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:53:15	10690.000	29680.000	0.000	5359.000	87280.000	92000.000	87.635%	123.000
2	19:53:58	10880.000	29870.000	0.000	5327.000	87660.000	92440.000	88.299%	123.500
3	19:54:41	10900.000	29940.000	0.000	5284.000	86720.000	91930.000	89.180%	122.500
x		10820.000	29830.000	0.000	5323.000	87220.000	92120.000	88.371%	123.000
σ		118.800	133.000	0.000	37.850	474.600	277.600	0.775%	0.500
%RSD		1.098	0.446	0.000	0.711	0.544	0.301	0.877	0.407

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:53:15	15.490	12.950	237.500	8847.000	8721.000	5.547	9.909	9.159
2	19:53:58	17.480	12.960	239.600	8855.000	8792.000	5.464	9.466	8.995
3	19:54:41	18.060	13.030	239.400	8794.000	8727.000	5.480	9.462	8.921
x		17.010	12.980	238.900	8832.000	8747.000	5.497	9.612	9.025
σ		1.347	0.044	1.158	32.670	39.450	0.044	0.257	0.122
%RSD		7.917	0.339	0.485	0.370	0.451	0.795	2.676	1.352

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:53:15	9.354	41.700	40.750	3.011	1.915	0.393	0.000	197.300
2	19:53:58	9.434	40.690	40.350	1.107	0.399	-2.647	0.000	194.800
3	19:54:41	9.216	40.830	39.730	3.004	0.436	0.925	0.000	194.800
x		9.335	41.070	40.280	2.374	0.916	-0.443	0.000	195.600
σ		0.111	0.547	0.513	1.098	0.865	1.927	0.000	1.440
%RSD		1.185	1.333	1.273	46.230	94.340	434.700	0.000	0.736

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:53:15	0.000	1.365	1.235	87.116%	0.003	0.005	0.393	0.279
2	19:53:58	0.000	1.267	1.267	91.627%	0.017	0.007	0.251	0.263
3	19:54:41	0.000	1.144	1.256	91.912%	0.002	0.027	0.240	0.300
x		0.000	1.259	1.253	90.218%	0.007	0.013	0.295	0.281
σ		0.000	0.111	0.017	2.690%	0.008	0.012	0.085	0.019
%RSD		0.000	8.796	1.317	2.982	110.800	91.730	29.000	6.662

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:53:15	87.490%	3.109	0.145	0.166	741.800	734.600	94.069%	94.743%
2	19:53:58	89.701%	3.348	0.189	0.175	743.300	740.800	97.370%	97.990%
3	19:54:41	91.885%	3.059	0.142	0.146	743.300	732.600	98.496%	99.333%
x		89.692%	3.172	0.158	0.162	742.800	736.000	96.645%	97.355%
σ		2.198%	0.155	0.026	0.015	0.868	4.257	2.301%	2.360%
%RSD		2.451	4.871	16.660	9.146	0.117	0.578	2.381	2.424

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:53:15	0.318	0.324	20.540	19.530	20.190	94.551%
2	19:53:58	0.324	0.335	20.830	19.780	20.370	97.431%
3	19:54:41	0.289	0.318	20.780	19.830	20.420	98.739%
x		0.310	0.326	20.710	19.710	20.330	96.907%
σ		0.019	0.009	0.156	0.159	0.117	2.142%
%RSD		6.032	2.617	0.753	0.804	0.578	2.211

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:57:33	96.556%	0.038	38.250	39.300	0.000	24490.000	35340.000	35930.000
2	19:58:16	98.108%	0.076	39.430	39.840	0.000	24050.000	35830.000	36510.000
3	19:58:59	97.529%	0.024	40.490	39.360	0.000	23960.000	36310.000	36990.000
x		97.398%	0.046	39.390	39.500	0.000	24170.000	35830.000	36480.000
σ		0.784%	0.027	1.125	0.296	0.000	287.900	481.200	530.100
%RSD		0.805	58.850	2.855	0.750	0.000	1.191	1.343	1.453

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:57:33	411.700	8111.000	0.000	1570.000	64470.000	66940.000	89.061%	5.680
2	19:58:16	405.400	8199.000	0.000	1556.000	64600.000	66990.000	89.702%	5.807
3	19:58:59	411.500	8277.000	0.000	1554.000	63800.000	66870.000	90.442%	7.885
x		409.500	8196.000	0.000	1560.000	64290.000	66930.000	89.735%	6.457
σ		3.543	82.840	0.000	8.434	427.800	58.420	0.691%	1.238
%RSD		0.865	1.011	0.000	0.541	0.665	0.087	0.770	19.180

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:57:33	6.424	8.272	14.150	354.900	539.600	0.271	0.646	2.651
2	19:58:16	6.128	8.258	14.280	354.100	537.400	0.264	0.700	2.422
3	19:58:59	5.309	8.564	14.390	352.100	518.700	0.282	0.727	2.524
x		5.954	8.365	14.270	353.700	531.900	0.272	0.691	2.532
σ		0.578	0.173	0.119	1.431	11.480	0.009	0.041	0.115
%RSD		9.701	2.067	0.835	0.405	2.159	3.276	5.972	4.530

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:57:33	2.547	5.581	5.673	2.037	1.425	-1.791	0.000	163.500
2	19:58:16	2.554	5.659	5.466	0.882	-0.466	-2.245	0.000	163.400
3	19:58:59	2.655	5.670	5.822	2.563	-0.486	0.112	0.000	164.100
x		2.585	5.637	5.654	1.828	0.157	-1.308	0.000	163.700
σ		0.061	0.048	0.179	0.860	1.097	1.250	0.000	0.412
%RSD		2.341	0.860	3.170	47.040	697.100	95.570	0.000	0.252

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:57:33	92.327%	1.796	1.922	91.682%	0.010	0.006	0.059	0.033
2	19:58:16	95.241%	1.809	1.842	94.519%	-0.001	0.003	-0.113	-0.068
3	19:58:59	96.120%	1.899	1.806	92.523%	-0.004	0.000	0.013	0.011
x		94.562%	1.834	1.857	92.908%	0.001	0.003	-0.014	-0.008
σ		1.985%	0.056	0.060	1.458%	0.008	0.003	0.089	0.053
%RSD		2.099	3.046	3.221	1.569	536.800	93.520	649.400	664.300

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:57:33	91.151%	1.602	0.042	0.003	264.000	263.900	95.970%	95.856%
2	19:58:16	94.080%	1.557	0.026	0.013	265.500	266.600	99.301%	99.627%
3	19:58:59	94.459%	1.534	0.016	0.013	268.200	262.700	100.019%	100.642%
x		93.230%	1.564	0.028	0.010	265.900	264.400	98.430%	98.708%
σ		1.810%	0.035	0.013	0.006	2.131	2.012	2.161%	2.522%
%RSD		1.942	2.222	47.100	63.550	0.801	0.761	2.195	2.555

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:57:33	0.048	0.046	0.342	0.385	0.382	95.816%
2	19:58:16	0.031	0.044	0.365	0.332	0.362	98.640%
3	19:58:59	0.018	0.027	0.370	0.364	0.363	100.044%
x		0.032	0.039	0.359	0.361	0.369	98.167%
σ		0.015	0.011	0.015	0.027	0.011	2.154%
%RSD		46.120	27.540	4.071	7.390	3.039	2.194

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:01:51	95.224%	0.175	48.360	51.860	0.000	13500.000	45060.000	45810.000
2	20:02:34	96.543%	0.092	49.040	52.430	0.000	13190.000	45170.000	46030.000
3	20:03:17	96.279%	0.133	48.000	52.780	0.000	13210.000	45540.000	46310.000
x		96.015%	0.133	48.460	52.360	0.000	13300.000	45260.000	46050.000
σ		0.698%	0.042	0.526	0.463	0.000	177.400	246.800	246.000
%RSD		0.727	31.380	1.086	0.884	0.000	1.334	0.545	0.534

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:01:51	2887.000	14070.000	0.000	2069.000	76620.000	79430.000	87.481%	29.210
2	20:02:34	2889.000	14030.000	0.000	2014.000	75830.000	79430.000	88.624%	28.930
3	20:03:17	2929.000	14070.000	0.000	2018.000	75520.000	79500.000	88.434%	28.170
x		2902.000	14060.000	0.000	2034.000	75990.000	79450.000	88.180%	28.770
σ		23.550	22.380	0.000	30.870	566.900	41.770	0.613%	0.538
%RSD		0.812	0.159	0.000	1.518	0.746	0.053	0.695	1.869

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:01:51	3.041	11.260	75.050	3457.000	3515.000	1.738	4.396	357.600
2	20:02:34	7.932	11.180	74.920	3423.000	3489.000	1.615	4.318	352.400
3	20:03:17	7.988	11.340	75.330	3433.000	3502.000	1.703	4.229	352.500
x		6.320	11.260	75.100	3437.000	3502.000	1.685	4.314	354.200
σ		2.840	0.079	0.211	17.700	13.080	0.063	0.084	2.965
%RSD		44.940	0.700	0.281	0.515	0.373	3.746	1.935	0.837

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:01:51	360.400	563.900	563.900	4.147	6.407	3.746	0.000	180.400
2	20:02:34	351.700	556.200	562.100	3.222	4.408	1.646	0.000	182.400
3	20:03:17	350.900	554.600	556.400	4.421	4.672	0.627	0.000	181.300
x		354.300	558.300	560.800	3.930	5.162	2.006	0.000	181.400
σ		5.236	4.986	3.940	0.628	1.086	1.591	0.000	0.985
%RSD		1.478	0.893	0.703	15.990	21.040	79.290	0.000	0.543

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:01:51	92.035%	4.384	4.379	88.424%	0.351	0.399	0.022	0.075
2	20:02:34	94.345%	4.340	4.494	92.441%	0.388	0.352	0.035	0.022
3	20:03:17	94.906%	4.363	4.307	92.349%	0.375	0.379	0.073	0.096
x		93.762%	4.362	4.393	91.072%	0.371	0.377	0.044	0.065
σ		1.522%	0.022	0.094	2.293%	0.019	0.024	0.027	0.038
%RSD		1.623	0.500	2.150	2.518	5.091	6.310	61.070	58.930

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:01:51	88.819%	3.314	0.248	0.252	209.700	210.000	93.678%	94.360%
2	20:02:34	91.161%	3.339	0.196	0.238	211.500	208.000	96.444%	97.412%
3	20:03:17	91.926%	3.156	0.208	0.225	208.000	207.000	97.535%	98.180%
x		90.635%	3.270	0.217	0.238	209.700	208.300	95.885%	96.651%
σ		1.619%	0.099	0.027	0.013	1.763	1.531	1.988%	2.020%
%RSD		1.786	3.041	12.370	5.631	0.841	0.735	2.074	2.091

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:01:51	0.074	0.068	87.510	96.240	91.540	94.158%
2	20:02:34	0.077	0.075	87.800	96.930	91.680	96.682%
3	20:03:17	0.067	0.069	87.810	96.940	91.960	97.296%
x		0.073	0.071	87.710	96.700	91.720	96.045%
σ		0.005	0.004	0.172	0.400	0.212	1.663%
%RSD		6.769	5.692	0.196	0.414	0.231	1.732

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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	20:06:09	95.917%	0.133	33.830	36.440	0.000	19790.000	50120.000	50880.000
2	20:06:52	99.323%	0.114	35.240	34.350	0.000	19310.000	50140.000	51280.000
3	20:07:35	99.892%	0.087	33.800	37.440	0.000	19800.000	50450.000	51640.000
x		98.377%	0.111	34.290	36.080	0.000	19630.000	50240.000	51270.000
σ		2.150%	0.023	0.822	1.577	0.000	278.700	185.600	379.700
%RSD		2.185	20.850	2.397	4.373	0.000	1.420	0.369	0.741

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:06:09	2033.000	11890.000	0.000	1854.000	98620.000	102600.000	88.143%	21.000
2	20:06:52	2169.000	11900.000	0.000	1835.000	98510.000	102800.000	89.660%	19.880
3	20:07:35	2153.000	12020.000	0.000	1824.000	99430.000	102800.000	90.517%	22.020
x		2118.000	11940.000	0.000	1837.000	98850.000	102800.000	89.440%	20.970
σ		74.640	73.220	0.000	15.390	500.200	96.030	1.202%	1.066
%RSD		3.523	0.613	0.000	0.838	0.506	0.093	1.344	5.086

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:06:09	9.686	16.020	319.600	5587.000	5649.000	2.840	20.380	6.106
2	20:06:52	10.630	15.960	322.600	5576.000	5681.000	3.005	20.180	5.989
3	20:07:35	10.550	16.320	323.600	5600.000	5688.000	2.820	19.690	5.958
x		10.290	16.100	321.900	5588.000	5673.000	2.888	20.090	6.018
σ		0.523	0.196	2.057	12.240	20.970	0.101	0.356	0.078
%RSD		5.082	1.217	0.639	0.219	0.370	3.512	1.770	1.297

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:06:09	6.315	43.440	42.200	9.421	0.903	-1.558	0.000	224.800
2	20:06:52	6.084	43.400	43.050	11.230	-0.401	-2.648	0.000	225.500
3	20:07:35	6.131	42.560	43.530	10.840	-0.733	-5.937	0.000	225.600
x		6.177	43.130	42.930	10.500	-0.077	-3.381	0.000	225.300
σ		0.122	0.494	0.670	0.952	0.865	2.280	0.000	0.444
%RSD		1.974	1.146	1.562	9.066	1125.000	67.420	0.000	0.197

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:06:09	91.378%	5.835	5.735	89.547%	0.008	0.033	0.223	0.307
2	20:06:52	94.205%	5.804	5.774	92.106%	0.011	0.027	0.323	0.299
3	20:07:35	96.235%	6.011	5.854	93.160%	0.029	0.026	0.392	0.279
x		93.939%	5.883	5.787	91.604%	0.016	0.029	0.313	0.295
σ		2.439%	0.111	0.060	1.858%	0.012	0.004	0.085	0.015
%RSD		2.597	1.894	1.045	2.028	73.330	12.540	27.200	4.922

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:06:09	88.490%	4.094	0.792	0.885	482.500	479.400	92.903%	93.741%
2	20:06:52	91.718%	4.363	0.807	0.851	485.200	481.000	97.010%	97.241%
3	20:07:35	92.508%	4.054	0.843	0.794	483.200	481.000	99.096%	98.912%
x		90.905%	4.170	0.814	0.843	483.600	480.500	96.336%	96.631%
σ		2.128%	0.168	0.026	0.046	1.435	0.881	3.151%	2.639%
%RSD		2.341	4.033	3.192	5.505	0.297	0.183	3.271	2.731

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:06:09	0.108	0.095	16.650	16.640	16.390	97.252%
2	20:06:52	0.083	0.110	16.980	16.850	16.720	99.351%
3	20:07:35	0.084	0.091	16.950	16.860	16.850	100.738%
x		0.092	0.098	16.860	16.790	16.660	99.114%
σ		0.014	0.010	0.182	0.128	0.237	1.755%
%RSD		15.150	10.020	1.078	0.764	1.422	1.771

CCV 496055 8/23/2012 8:12:41 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:13:24	92.561%	95.050	91.350	93.780	0.000	47720.000	47670.000	47460.000
2	20:14:07	93.198%	92.870	94.010	94.940	0.000	46890.000	48130.000	48080.000
3	20:14:50	93.955%	93.780	89.020	92.500	0.000	45950.000	47970.000	48070.000
x		93.238%	93.898%	91.458%	93.738%	0.000	93.708%	95.847%	95.741%
σ		0.698%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.748	1.168	2.726	1.299	0.000	1.897	0.480	0.751

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:13:24	465.000	4667.000	0.000	48190.000	47180.000	44530.000	90.453%	92.540
2	20:14:07	472.700	4709.000	0.000	47490.000	46700.000	43890.000	90.527%	94.930
3	20:14:50	470.100	4712.000	0.000	47050.000	46530.000	43980.000	91.305%	94.790
x		93.852%	93.917%	0.000	95.156%	93.604%	88.269%	90.762%	94.090%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.472%	n/a
%RSD		0.830	0.538	0.000	1.201	0.719	0.787	0.520	1.425

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:13:24	94.070	94.190	470.100	24230.000	23570.000	95.080	95.550	95.430
2	20:14:07	95.560	94.980	478.100	24440.000	23920.000	95.900	95.240	96.900
3	20:14:50	93.460	95.030	476.300	24420.000	23860.000	95.520	93.930	94.100
x		94.365%	94.735%	94.967%	97.460%	95.124%	95.498%	94.909%	95.478%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.147	0.495	0.887	0.470	0.772	0.429	0.907	1.464

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:13:24	95.260	96.050	96.390	92.780	95.200	89.490	0.000	94.570
2	20:14:07	95.740	95.640	94.230	93.140	95.630	89.560	0.000	94.770
3	20:14:50	95.600	94.810	95.720	92.120	93.430	94.410	0.000	94.230
x		95.533%	95.498%	95.449%	92.682%	94.755%	91.153%	0.000	94.527%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.257	0.661	1.158	0.559	1.231	3.093	0.000	0.290

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:13:24	88.637%	91.460	92.700	86.451%	96.150	95.440	95.210	96.140
2	20:14:07	91.077%	95.780	97.060	88.644%	95.630	95.140	97.740	95.540
3	20:14:50	92.186%	97.500	97.320	89.337%	95.380	96.540	95.950	97.070
x		90.633%	94.915%	95.693%	88.144%	95.720%	95.707%	96.298%	96.252%
σ		1.815%	n/a	n/a	1.507%	n/a	n/a	n/a	n/a
%RSD		2.003	3.275	2.712	1.710	0.411	0.768	1.349	0.801

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:13:24	88.505%	91.100	92.980	92.850	95.700	94.000	90.746%	91.794%
2	20:14:07	90.859%	91.740	92.790	93.140	94.660	93.620	94.069%	93.806%
3	20:14:50	90.803%	93.910	93.990	94.630	96.860	94.030	94.368%	95.477%
x		90.055%	92.252%	93.254%	93.541%	95.741%	93.883%	93.061%	93.692%
σ		1.343%	n/a	n/a	n/a	n/a	n/a	2.010%	1.844%
%RSD		1.492	1.599	0.691	1.021	1.151	0.248	2.160	1.968

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:13:24	94.880	95.110	94.720	94.970	95.010	90.711%
2	20:14:07	95.900	96.020	95.950	96.730	96.240	92.486%
3	20:14:50	96.750	96.960	97.560	97.270	97.400	92.509%
x		95.841%	96.033%	96.078%	96.326%	96.216%	91.902%
σ		n/a	n/a	n/a	n/a	n/a	1.032%
%RSD		0.978	0.965	1.484	1.251	1.245	1.122

CCB4 8/23/2012 8:19:59 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:20:42	95.982%	-0.002	1.142	1.759	0.000	-2.166	4.693	4.426
2	20:21:25	96.498%	0.011	1.222	1.670	0.000	1.302	4.927	4.954
3	20:22:07	97.890%	0.023	0.403	1.412	0.000	3.624	9.290	9.879
x		96.790%	0.011	0.922	1.614	0.000	0.920	6.303	6.420
σ		0.987%	0.013	0.452	0.180	0.000	2.914	2.589	3.007
%RSD		1.020	117.600	48.990	11.150	0.000	316.700	41.070	46.840

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:20:42	-0.291	-0.249	0.000	3.758	-29.990	-11.940	93.149%	0.096
2	20:21:25	-0.520	-0.762	0.000	3.646	-22.190	-13.920	93.294%	0.196
3	20:22:07	-0.117	-0.450	0.000	5.848	-17.580	-5.881	93.488%	0.145
x		-0.310	-0.487	0.000	4.417	-23.250	-10.580	93.311%	0.146
σ		0.202	0.258	0.000	1.240	6.270	4.189	0.170%	0.050
%RSD		65.250	53.020	0.000	28.070	26.970	39.590	0.182	34.190

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:20:42	0.247	0.211	0.053	22.840	18.000	0.009	-0.037	0.068
2	20:21:25	0.273	0.187	0.066	18.430	14.990	0.007	-0.042	0.037
3	20:22:07	0.134	0.168	0.092	16.700	13.130	0.016	-0.030	0.049
x		0.218	0.189	0.070	19.320	15.370	0.010	-0.036	0.051
σ		0.074	0.021	0.020	3.165	2.458	0.005	0.006	0.015
%RSD		33.780	11.320	28.760	16.380	15.990	46.960	17.160	30.150

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:20:42	0.134	-0.360	-0.479	0.005	0.739	0.355	0.000	0.040
2	20:21:25	0.127	-0.342	-0.413	-0.064	0.056	-0.046	0.000	0.055
3	20:22:07	0.113	-0.340	-0.687	0.325	0.535	0.783	0.000	0.072
x		0.124	-0.347	-0.526	0.089	0.443	0.364	0.000	0.056
σ		0.011	0.011	0.143	0.207	0.351	0.415	0.000	0.016
%RSD		8.588	3.150	27.140	233.800	79.130	113.900	0.000	28.220

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:20:42	92.197%	0.772	0.715	94.969%	-0.001	0.008	-0.036	-0.009
2	20:21:25	93.772%	0.619	0.703	96.757%	-0.004	0.007	0.007	0.014
3	20:22:07	94.812%	0.554	0.584	97.121%	0.005	0.010	0.042	0.032
x		93.594%	0.648	0.667	96.283%	-0.000	0.008	0.004	0.012
σ		1.317%	0.112	0.072	1.152%	0.005	0.002	0.039	0.021
%RSD		1.407	17.220	10.860	1.196	5294.000	19.640	881.500	170.100

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:20:42	92.806%	-0.519	0.041	0.028	0.123	0.075	92.526%	92.843%
2	20:21:25	94.104%	-0.478	0.073	0.030	0.036	0.089	95.197%	94.833%
3	20:22:07	94.703%	-0.540	0.023	0.043	0.125	0.109	95.020%	95.879%
x		93.871%	-0.512	0.046	0.034	0.095	0.091	94.248%	94.518%
σ		0.970%	0.032	0.025	0.008	0.051	0.017	1.494%	1.542%
%RSD		1.033	6.157	55.450	24.980	54.050	19.110	1.585	1.632

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:20:42	0.022	0.022	0.120	0.091	0.107	95.520%
2	20:21:25	0.013	0.017	0.065	0.043	0.067	96.719%
3	20:22:07	0.026	0.032	0.057	0.074	0.070	97.281%
x		0.020	0.024	0.081	0.069	0.081	96.507%
σ		0.006	0.008	0.034	0.024	0.022	0.900%
%RSD		30.930	32.880	42.510	35.190	27.000	0.932

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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	20:25:02	94.663%	0.013	48.110	47.260	0.000	37740.000	36120.000	36510.000
2	20:25:46	96.903%	0.065	42.800	51.180	0.000	36610.000	36320.000	36930.000
3	20:26:28	95.876%	0.012	47.150	49.220	0.000	36950.000	37170.000	37700.000
x		95.814%	0.030	46.020	49.220	0.000	37100.000	36540.000	37050.000
σ		1.121%	0.030	2.833	1.960	0.000	577.600	557.000	601.900
%RSD		1.170	102.000	6.156	3.982	0.000	1.557	1.524	1.625

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:02	394.900	8104.000	0.000	1527.000	73820.000	76790.000	86.752%	6.025
2	20:25:46	402.700	8099.000	0.000	1521.000	73380.000	76440.000	88.512%	5.916
3	20:26:28	409.000	8243.000	0.000	1511.000	72760.000	76600.000	89.013%	6.389
x		402.200	8149.000	0.000	1520.000	73320.000	76610.000	88.092%	6.110
σ		7.024	81.720	0.000	8.269	530.500	175.800	1.188%	0.248
%RSD		1.746	1.003	0.000	0.544	0.724	0.230	1.348	4.052

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:02	9.157	20.310	10.330	407.800	628.900	0.453	0.937	1.759
2	20:25:46	9.950	20.170	10.450	398.800	610.000	0.462	0.845	1.593
3	20:26:28	8.892	20.600	10.420	403.200	619.900	0.481	0.670	1.550
x		9.333	20.360	10.400	403.300	619.600	0.465	0.817	1.634
σ		0.550	0.217	0.063	4.479	9.451	0.014	0.136	0.110
%RSD		5.899	1.067	0.605	1.111	1.525	3.077	16.570	6.736

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:02	1.822	6.113	6.528	4.311	3.944	6.419	0.000	265.000
2	20:25:46	1.559	6.502	6.282	4.611	2.366	6.404	0.000	264.000
3	20:26:28	1.746	6.414	6.555	3.878	2.433	5.000	0.000	264.700
x		1.709	6.343	6.455	4.267	2.914	5.941	0.000	264.500
σ		0.135	0.204	0.150	0.369	0.892	0.815	0.000	0.535
%RSD		7.922	3.220	2.331	8.638	30.620	13.710	0.000	0.202

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:02	80.206%	1.450	1.615	86.234%	0.031	0.057	-0.022	-0.017
2	20:25:46	83.626%	1.100	1.365	90.673%	0.027	0.037	0.018	0.018
3	20:26:28	84.614%	1.145	1.263	92.327%	0.045	0.051	-0.012	-0.029
x		82.815%	1.232	1.414	89.745%	0.034	0.048	-0.006	-0.010
σ		2.313%	0.190	0.181	3.151%	0.010	0.010	0.021	0.024
%RSD		2.793	15.460	12.790	3.511	27.580	20.880	374.300	252.700

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:02	87.732%	2.658	0.300	0.299	258.900	256.100	91.420%	91.358%
2	20:25:46	90.919%	2.036	0.164	0.190	259.400	256.700	94.660%	95.617%
3	20:26:28	92.132%	1.862	0.168	0.179	255.000	257.300	96.574%	97.335%
x		90.261%	2.185	0.211	0.223	257.800	256.700	94.218%	94.770%
σ		2.273%	0.418	0.077	0.067	2.398	0.595	2.605%	3.077%
%RSD		2.518	19.150	36.630	29.970	0.930	0.232	2.765	3.247

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:02	0.109	0.119	0.567	0.562	0.574	91.136%
2	20:25:46	0.075	0.069	0.501	0.551	0.546	94.577%
3	20:26:28	0.057	0.062	0.532	0.544	0.547	96.958%
x		0.080	0.083	0.533	0.552	0.555	94.224%
σ		0.026	0.031	0.033	0.009	0.016	2.927%
%RSD		32.820	37.240	6.240	1.583	2.796	3.107

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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	20:29:22	96.124%	0.025	9.679	10.930	0.000	7668.000	7053.000	7205.000
2	20:30:05	96.518%	0.011	8.658	10.700	0.000	7641.000	7166.000	7369.000
3	20:30:48	95.536%	-0.015	9.377	10.760	0.000	7737.000	7248.000	7440.000
x		96.059%	0.007	9.238	10.790	0.000	7682.000	7155.000	7338.000
σ		0.494%	0.020	0.525	0.119	0.000	49.590	97.880	121.000
%RSD		0.514	292.100	5.681	1.101	0.000	0.646	1.368	1.649

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:29:22	82.470	1605.000	0.000	300.300	14900.000	14350.000	90.509%	1.370
2	20:30:05	83.870	1626.000	0.000	301.500	15010.000	14480.000	90.400%	1.662
3	20:30:48	85.590	1628.000	0.000	304.000	14930.000	14440.000	90.385%	1.026
x		83.980	1620.000	0.000	301.900	14950.000	14430.000	90.431%	1.353
σ		1.566	12.490	0.000	1.858	57.050	65.770	0.067%	0.318
%RSD		1.865	0.771	0.000	0.615	0.382	0.456	0.075	23.510

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:29:22	2.100	4.265	2.087	102.000	127.500	0.099	0.121	0.441
2	20:30:05	1.155	4.157	2.127	101.400	121.200	0.079	0.131	0.395
3	20:30:48	1.621	4.281	2.047	99.640	120.200	0.091	0.194	0.428
x		1.625	4.234	2.087	101.000	123.000	0.090	0.148	0.421
σ		0.473	0.068	0.040	1.232	3.980	0.010	0.040	0.024
%RSD		29.090	1.600	1.908	1.220	3.236	11.310	26.750	5.588

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:29:22	0.553	1.184	1.451	0.754	0.359	-3.162	0.000	48.730
2	20:30:05	0.475	1.403	1.247	0.438	-0.205	-1.697	0.000	48.790
3	20:30:48	0.538	1.388	1.246	-0.293	-1.687	-4.384	0.000	48.500
x		0.522	1.325	1.315	0.300	-0.511	-3.081	0.000	48.670
σ		0.042	0.123	0.118	0.537	1.057	1.346	0.000	0.153
%RSD		8.005	9.244	8.974	179.100	206.900	43.670	0.000	0.313

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:29:22	92.208%	0.289	0.309	94.908%	-0.010	-0.002	0.002	0.015
2	20:30:05	94.905%	0.377	0.341	95.323%	-0.002	-0.000	0.006	0.004
3	20:30:48	95.250%	0.271	0.346	96.272%	0.006	0.005	0.008	0.015
x		94.121%	0.312	0.332	95.501%	-0.002	0.001	0.006	0.011
σ		1.666%	0.057	0.020	0.699%	0.008	0.004	0.003	0.006
%RSD		1.770	18.110	6.069	0.732	480.700	363.000	53.410	54.740

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:29:22	92.019%	-0.756	-0.038	-0.050	52.210	51.110	95.703%	95.430%
2	20:30:05	94.585%	-0.692	-0.069	-0.066	52.140	51.870	97.468%	98.077%
3	20:30:48	94.368%	-0.731	-0.075	-0.060	51.940	51.840	98.913%	99.123%
x		93.658%	-0.726	-0.061	-0.059	52.100	51.610	97.362%	97.543%
σ		1.423%	0.033	0.020	0.008	0.139	0.431	1.608%	1.904%
%RSD		1.519	4.507	32.410	13.100	0.266	0.835	1.651	1.952

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:29:22	0.002	0.006	0.189	0.184	0.180	92.473%
2	20:30:05	0.000	0.004	0.165	0.126	0.153	95.200%
3	20:30:48	-0.004	0.002	0.133	0.136	0.130	95.400%
x		-0.000	0.004	0.162	0.149	0.154	94.358%
σ		0.003	0.002	0.028	0.031	0.025	1.636%
%RSD		811.600	47.820	17.390	20.640	16.390	1.733

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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	20:33:43	86.786%	48.230	1005.000	1024.000	0.000	85770.000	86750.000	87880.000
2	20:34:27	85.873%	47.330	1052.000	1047.000	0.000	85670.000	88730.000	90520.000
3	20:35:10	87.794%	48.880	1026.000	1045.000	0.000	84220.000	88750.000	90360.000
x		86.818%	48.150	1028.000	1039.000	0.000	85220.000	88080.000	89590.000
σ		0.960%	0.777	23.670	12.890	0.000	867.300	1153.000	1480.000
%RSD		1.106	1.615	2.302	1.240	0.000	1.018	1.309	1.652

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:33:43	2495.000	17710.000	0.000	48490.000	120800.000	125100.000	87.182%	954.600
2	20:34:27	2570.000	18050.000	0.000	48070.000	121300.000	124700.000	87.852%	965.500
3	20:35:10	2614.000	18090.000	0.000	48430.000	121100.000	125600.000	87.523%	959.700
x		2560.000	17950.000	0.000	48330.000	121100.000	125100.000	87.519%	959.900
σ		60.200	209.800	0.000	229.100	265.200	482.000	0.335%	5.423
%RSD		2.352	1.169	0.000	0.474	0.219	0.385	0.383	0.565

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:33:43	487.800	213.300	496.900	1468.000	1781.000	476.500	472.800	238.500
2	20:34:27	489.500	214.600	500.700	1464.000	1774.000	474.600	472.300	238.200
3	20:35:10	497.200	216.400	505.400	1480.000	1780.000	478.500	479.100	239.100
x		491.500	214.800	501.000	1471.000	1778.000	476.600	474.700	238.600
σ		5.006	1.530	4.248	8.602	3.880	1.952	3.823	0.453
%RSD		1.018	0.713	0.848	0.585	0.218	0.410	0.805	0.190

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:33:43	240.000	476.400	480.100	41.550	14.500	16.330	0.000	1282.000
2	20:34:27	240.300	473.700	474.900	41.660	11.740	13.720	0.000	1281.000
3	20:35:10	240.400	476.600	482.400	40.520	12.300	13.420	0.000	1285.000
x		240.200	475.600	479.100	41.240	12.850	14.490	0.000	1283.000
σ		0.249	1.633	3.842	0.629	1.460	1.600	0.000	1.934
%RSD		0.104	0.343	0.802	1.525	11.360	11.040	0.000	0.151

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:33:43	82.845%	1017.000	1012.000	85.681%	47.170	47.340	47.650	44.400
2	20:34:27	85.119%	1029.000	1020.000	89.352%	46.830	46.370	46.890	43.000
3	20:35:10	85.875%	1040.000	1022.000	88.499%	47.160	47.370	46.390	43.040
x		84.613%	1029.000	1018.000	87.844%	47.050	47.030	46.980	43.480
σ		1.577%	11.520	5.635	1.921%	0.198	0.571	0.633	0.796
%RSD		1.864	1.120	0.554	2.187	0.420	1.213	1.348	1.831

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:33:43	87.181%	1843.000	466.800	467.800	2123.000	2099.000	92.221%	93.270%
2	20:34:27	89.967%	1847.000	466.400	465.700	2113.000	2090.000	95.613%	96.216%
3	20:35:10	90.909%	1854.000	466.100	466.800	2120.000	2093.000	97.042%	97.469%
x		89.352%	1848.000	466.400	466.800	2119.000	2094.000	94.959%	95.651%
σ		1.938%	5.452	0.349	1.041	5.119	4.195	2.476%	2.156%
%RSD		2.169	0.295	0.075	0.223	0.242	0.200	2.608	2.254

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:33:43	45.230	45.830	19.320	19.480	19.260	92.317%
2	20:34:27	46.980	46.720	19.490	19.260	19.380	94.308%
3	20:35:10	46.850	47.110	19.520	19.780	19.550	95.444%
x		46.350	46.550	19.440	19.510	19.400	94.023%
σ		0.975	0.658	0.109	0.259	0.147	1.583%
%RSD		2.104	1.413	0.560	1.329	0.756	1.683

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:38:06	87.885%	48.220	1042.000	1062.000	0.000	86260.000	87450.000	88790.000
2	20:38:49	88.639%	47.220	1051.000	1050.000	0.000	84910.000	88530.000	90450.000
3	20:39:31	89.878%	48.350	1038.000	1066.000	0.000	84220.000	88240.000	90330.000
x		88.800%	47.930	1044.000	1059.000	0.000	85130.000	88070.000	89850.000
σ		1.007%	0.620	6.504	7.904	0.000	1039.000	559.100	927.500
%RSD		1.134	1.294	0.623	0.746	0.000	1.220	0.635	1.032

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:38:06	2583.000	17940.000	0.000	48980.000	121000.000	124800.000	89.186%	967.600
2	20:38:49	2580.000	18170.000	0.000	48450.000	120200.000	124100.000	89.454%	974.700
3	20:39:31	2621.000	18170.000	0.000	48360.000	121300.000	124900.000	90.372%	972.300
x		2594.000	18090.000	0.000	48600.000	120800.000	124600.000	89.671%	971.500
σ		22.980	133.600	0.000	337.300	569.500	451.600	0.622%	3.621
%RSD		0.886	0.739	0.000	0.694	0.471	0.362	0.694	0.373

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:38:06	494.600	214.900	500.700	1470.000	1789.000	482.900	479.000	240.000
2	20:38:49	500.800	218.200	505.200	1476.000	1786.000	481.600	477.800	242.900
3	20:39:31	502.800	218.800	506.700	1473.000	1782.000	480.800	475.700	243.000
x		499.400	217.300	504.200	1473.000	1785.000	481.800	477.500	241.900
σ		4.247	2.085	3.137	3.335	3.469	1.033	1.655	1.705
%RSD		0.850	0.960	0.622	0.226	0.194	0.214	0.347	0.705

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:38:06	243.100	471.600	473.600	41.340	13.030	14.200	0.000	1294.000
2	20:38:49	245.900	472.500	477.200	39.410	12.780	12.530	0.000	1293.000
3	20:39:31	242.500	477.700	476.400	41.230	12.430	14.370	0.000	1297.000
x		243.800	473.900	475.800	40.660	12.740	13.700	0.000	1294.000
σ		1.795	3.289	1.893	1.085	0.301	1.019	0.000	2.084
%RSD		0.736	0.694	0.398	2.669	2.360	7.436	0.000	0.161

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:38:06	84.697%	1042.000	1028.000	87.794%	47.600	47.300	46.490	44.320
2	20:38:49	86.741%	1046.000	1035.000	89.949%	47.480	47.710	48.500	44.680
3	20:39:31	86.981%	1052.000	1047.000	90.856%	47.920	47.380	47.510	43.960
x		86.139%	1047.000	1037.000	89.533%	47.670	47.460	47.500	44.320
σ		1.255%	4.905	9.758	1.573%	0.228	0.220	1.006	0.359
%RSD		1.457	0.469	0.941	1.757	0.479	0.463	2.118	0.809

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:38:06	89.358%	1878.000	467.900	469.600	2137.000	2111.000	94.585%	95.388%
2	20:38:49	91.493%	1881.000	468.500	471.300	2147.000	2119.000	97.584%	98.562%
3	20:39:31	92.111%	1876.000	470.800	469.700	2144.000	2129.000	98.738%	99.357%
x		90.987%	1878.000	469.000	470.200	2143.000	2120.000	96.969%	97.769%
σ		1.445%	2.250	1.536	0.927	5.172	9.278	2.144%	2.100%
%RSD		1.588	0.120	0.327	0.197	0.241	0.438	2.211	2.148

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:38:06	47.050	47.270	19.260	19.470	19.530	93.577%
2	20:38:49	47.490	47.630	19.940	19.800	19.810	96.236%
3	20:39:31	47.840	47.980	19.630	20.030	19.880	96.734%
x		47.460	47.630	19.610	19.770	19.740	95.515%
σ		0.394	0.357	0.342	0.281	0.185	1.697%
%RSD		0.829	0.749	1.742	1.421	0.935	1.777

CRI 520760 8/23/2012 8:49:44 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:50:27	92.318%	0.803	10.320	10.520	0.000	110.000	112.600	112.700
2	20:51:10	94.231%	0.827	9.755	10.130	0.000	109.500	112.000	111.900
3	20:51:53	94.567%	1.001	10.890	8.584	0.000	111.700	110.800	113.300
x		93.705%	87.690%	206.459%	194.904%	0.000	110.382%	111.795%	112.627%
σ		1.213%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.294	12.300	5.520	10.520	0.000	1.041	0.824	0.605

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:50:27	29.350	465.000	0.000	81.290	79.650	92.740	100.675%	4.676
2	20:51:10	29.260	468.800	0.000	76.840	88.590	83.450	100.416%	4.448
3	20:51:53	29.650	466.700	0.000	78.850	85.770	89.510	100.316%	4.669
x		98.055%	93.371%	0.000	78.991%	84.671%	88.567%	100.469%	91.962%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.185%	n/a
%RSD		0.696	0.407	0.000	2.822	5.396	5.329	0.185	2.821

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:50:27	0.974	1.973	4.948	74.390	53.480	0.522	0.968	1.904
2	20:51:10	0.875	2.128	4.987	74.470	54.110	0.510	0.882	1.922
3	20:51:53	0.665	1.975	4.948	73.160	49.960	0.504	0.927	1.910
x		83.785%	101.277%	992.172%	148.019%	105.031%	102.386%	92.562%	95.609%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		18.820	4.385	0.456	0.994	4.264	1.801	4.615	0.482

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:50:27	2.144	4.456	4.713	0.625	4.476	4.131	0.000	5.433
2	20:51:10	2.159	4.507	4.161	1.235	4.638	5.173	0.000	5.258
3	20:51:53	2.046	4.693	3.979	1.140	3.294	5.390	0.000	5.236
x		105.808%	91.037%	85.691%	99.994%	82.714%	97.963%	0.000	106.183%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		2.900	2.742	8.928	32.780	17.740	13.740	0.000	2.029

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:50:27	87.471%	5.732	5.706	93.559%	0.941	0.958	0.978	0.968
2	20:51:10	89.679%	5.664	5.935	95.127%	0.951	0.917	1.020	1.044
3	20:51:53	90.217%	5.887	5.767	92.169%	1.032	0.954	0.889	0.972
x		89.122%	115.216%	116.053%	93.618%	97.455%	94.319%	96.226%	99.478%
σ		1.455%	n/a	n/a	1.480%	n/a	n/a	n/a	n/a
%RSD		1.633	1.988	2.041	1.581	5.102	2.391	6.945	4.260

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:50:27	91.409%	4.816	1.912	1.984	10.020	10.000	92.616%	92.043%
2	20:51:10	92.510%	4.774	2.042	1.973	10.230	9.758	93.831%	94.705%
3	20:51:53	93.443%	4.749	1.938	1.920	9.969	9.913	95.141%	95.554%
x		92.454%	95.588%	98.200%	97.947%	100.736%	98.919%	93.863%	94.101%
σ		1.018%	n/a	n/a	n/a	n/a	n/a	1.263%	1.832%
%RSD		1.101	0.711	3.495	1.752	1.402	1.257	1.346	1.947

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:50:27	0.985	1.016	1.210	1.131	1.157	96.544%
2	20:51:10	1.012	1.032	1.141	1.051	1.139	97.568%
3	20:51:53	0.994	1.075	1.093	1.133	1.111	97.746%
x		99.742%	104.103%	114.774%	110.522%	113.559%	97.286%
σ		n/a	n/a	n/a	n/a	n/a	0.649%
%RSD		1.382	2.900	5.119	4.221	2.056	0.667

CCV 496055 8/23/2012 8:56:35 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:57:18	90.332%	97.750	96.410	94.800	0.000	48290.000	47890.000	47730.000
2	20:58:01	91.204%	95.490	100.800	96.140	0.000	47440.000	48350.000	48420.000
3	20:58:44	92.275%	92.150	92.910	94.500	0.000	47430.000	48210.000	48280.000
x		91.271%	95.130%	96.705%	95.146%	0.000	95.435%	96.304%	96.287%
σ		0.973%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.066	2.959	4.081	0.917	0.000	1.038	0.491	0.763

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:57:18	462.400	4653.000	0.000	48690.000	47510.000	43820.000	88.829%	96.940
2	20:58:01	470.400	4786.000	0.000	48790.000	47600.000	46070.000	88.650%	96.080
3	20:58:44	469.000	4754.000	0.000	48390.000	48020.000	45660.000	89.535%	96.720
x		93.455%	94.622%	0.000	97.245%	95.422%	90.364%	89.005%	96.578%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.468%	n/a
%RSD		0.923	1.468	0.000	0.425	0.575	2.655	0.525	0.459

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:57:18	95.250	96.160	476.000	24660.000	23890.000	95.960	95.460	96.340
2	20:58:01	95.990	96.470	482.300	24810.000	24130.000	96.140	95.050	97.110
3	20:58:44	96.410	96.580	481.200	24750.000	24050.000	95.760	95.150	96.400
x		95.884%	96.403%	95.969%	98.967%	96.090%	95.952%	95.220%	96.617%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.610	0.226	0.699	0.324	0.503	0.197	0.222	0.444

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:57:18	96.610	96.290	96.560	94.250	95.150	94.450	0.000	95.820
2	20:58:01	96.390	94.360	95.040	94.300	94.900	94.480	0.000	95.410
3	20:58:44	96.860	95.630	96.340	94.640	95.790	92.270	0.000	95.500
x		96.619%	95.427%	95.981%	94.399%	95.281%	93.733%	0.000	95.575%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.247	1.026	0.855	0.226	0.482	1.352	0.000	0.223

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:57:18	87.403%	91.890	93.490	85.511%	95.790	96.010	96.560	95.980
2	20:58:01	89.963%	96.110	97.930	87.764%	96.090	96.680	96.860	96.990
3	20:58:44	90.446%	98.920	99.030	89.612%	95.400	95.950	96.550	96.380
x		89.271%	95.643%	96.815%	87.629%	95.759%	96.213%	96.653%	96.448%
σ		1.636%	n/a	n/a	2.054%	n/a	n/a	n/a	n/a
%RSD		1.832	3.700	3.029	2.344	0.362	0.418	0.181	0.525

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:57:18	88.616%	92.510	93.490	92.490	95.500	93.970	91.359%	91.191%
2	20:58:01	89.337%	94.280	94.080	94.930	97.210	95.420	93.066%	94.004%
3	20:58:44	90.963%	93.950	94.180	94.070	95.210	95.670	94.263%	94.361%
x		89.639%	93.579%	93.918%	93.829%	95.972%	95.018%	92.896%	93.185%
σ		1.202%	n/a	n/a	n/a	n/a	n/a	1.459%	1.737%
%RSD		1.341	1.007	0.395	1.315	1.127	0.968	1.571	1.864

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:57:18	93.770	94.290	93.620	93.830	93.780	92.653%
2	20:58:01	95.200	95.660	95.530	95.160	95.290	94.165%
3	20:58:44	95.880	96.190	96.680	96.750	96.660	94.401%
x		94.950%	95.379%	95.277%	95.248%	95.242%	93.740%
σ		n/a	n/a	n/a	n/a	n/a	0.948%
%RSD		1.135	1.028	1.623	1.533	1.509	1.011

CCB5 8/23/2012 9:03:53 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	21:04:36	93.866%	-0.001	2.660	2.841	0.000	5.308	6.791	5.574
2	21:05:19	92.734%	0.014	3.252	2.483	0.000	10.110	6.181	5.656
3	21:06:02	92.994%	-0.000	1.943	2.706	0.000	6.642	5.864	5.340
x		93.198%	0.004	2.618	2.677	0.000	7.353	6.279	5.523
σ		0.593%	0.008	0.656	0.181	0.000	2.478	0.471	0.164
%RSD		0.636	195.800	25.040	6.752	0.000	33.700	7.505	2.971

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:04:36	-0.411	-0.966	0.000	9.902	-22.760	-11.940	89.650%	0.240
2	21:05:19	-0.616	-0.377	0.000	8.199	-14.780	-16.910	90.159%	0.169
3	21:06:02	-0.406	-0.035	0.000	5.281	-31.170	-15.120	91.183%	0.116
x		-0.477	-0.459	0.000	7.794	-22.900	-14.660	90.331%	0.175
σ		0.120	0.471	0.000	2.337	8.198	2.517	0.781%	0.062
%RSD		25.060	102.600	0.000	29.980	35.790	17.170	0.864	35.600

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:04:36	-0.033	0.032	0.029	19.530	15.060	0.019	-0.014	0.014
2	21:05:19	-0.054	0.076	0.038	14.920	18.170	0.003	-0.034	-0.012
3	21:06:02	0.510	0.028	0.047	12.260	8.472	0.007	-0.017	0.033
x		0.141	0.045	0.038	15.570	13.900	0.009	-0.022	0.012
σ		0.320	0.027	0.009	3.679	4.953	0.008	0.011	0.023
%RSD		227.000	58.640	24.630	23.640	35.620	87.880	49.380	197.400

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:04:36	0.071	-0.380	-0.538	-0.006	0.597	0.123	0.000	0.043
2	21:05:19	0.082	-0.505	-0.427	-0.216	0.129	-1.561	0.000	0.057
3	21:06:02	0.007	-0.326	-0.469	0.079	-0.426	0.660	0.000	0.060
x		0.053	-0.404	-0.478	-0.048	0.100	-0.259	0.000	0.053
σ		0.040	0.092	0.056	0.152	0.512	1.159	0.000	0.009
%RSD		75.300	22.700	11.800	318.800	511.500	447.000	0.000	16.450

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:04:36	88.720%	0.812	0.816	91.973%	0.006	0.004	0.001	-0.008
2	21:05:19	90.869%	0.752	0.720	93.646%	-0.004	0.004	-0.017	0.006
3	21:06:02	92.513%	0.606	0.638	94.526%	-0.009	-0.005	0.006	0.012
x		90.701%	0.723	0.725	93.382%	-0.002	0.001	-0.003	0.003
σ		1.902%	0.106	0.089	1.297%	0.007	0.005	0.012	0.010
%RSD		2.097	14.690	12.250	1.389	330.200	599.300	396.200	308.900

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:04:36	88.430%	-0.299	0.049	0.003	0.048	0.152	89.286%	89.990%
2	21:05:19	90.990%	-0.426	0.045	0.010	0.107	0.090	92.014%	92.812%
3	21:06:02	92.792%	-0.577	0.012	-0.023	0.043	0.174	93.980%	94.311%
x		90.737%	-0.434	0.036	-0.003	0.066	0.139	91.760%	92.371%
σ		2.192%	0.139	0.020	0.017	0.036	0.043	2.357%	2.194%
%RSD		2.416	32.090	56.860	538.600	53.890	31.280	2.569	2.375

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:04:36	0.028	0.027	0.107	0.095	0.102	93.234%
2	21:05:19	0.029	0.022	0.060	0.057	0.062	95.760%
3	21:06:02	0.018	0.003	0.034	0.047	0.046	96.387%
x		0.025	0.017	0.067	0.066	0.070	95.127%
σ		0.006	0.013	0.037	0.025	0.029	1.669%
%RSD		23.380	74.510	55.380	37.800	41.080	1.755

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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	21:08:57	88.184%	0.661	259.300	263.500	0.000	67890.000	17670.000	17920.000
2	21:09:39	88.492%	0.644	251.800	258.900	0.000	65710.000	17880.000	18240.000
3	21:10:22	89.580%	0.507	267.300	260.400	0.000	66190.000	18100.000	18260.000
x		88.752%	0.604	259.500	260.900	0.000	66600.000	17880.000	18140.000
σ		0.733%	0.085	7.739	2.326	0.000	1147.000	213.300	194.400
%RSD		0.826	14.050	2.983	0.891	0.000	1.723	1.193	1.071

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:08:57	3635.000	18740.000	0.000	18740.000	85750.000	88550.000	84.365%	128.300
2	21:09:39	3684.000	18980.000	0.000	18560.000	85050.000	88550.000	84.930%	127.300
3	21:10:22	3728.000	19060.000	0.000	18550.000	84660.000	88470.000	84.907%	127.900
x		3682.000	18930.000	0.000	18620.000	85150.000	88520.000	84.734%	127.800
σ		46.550	170.400	0.000	108.200	553.700	48.180	0.320%	0.544
%RSD		1.264	0.900	0.000	0.581	0.650	0.054	0.377	0.425

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:08:57	9.772	19.800	351.100	6838.000	6798.000	2.251	3.989	4.601
2	21:09:39	9.792	19.660	355.600	6824.000	6864.000	2.302	4.010	4.664
3	21:10:22	9.911	20.000	358.700	6923.000	6882.000	2.213	3.905	4.542
x		9.825	19.820	355.100	6862.000	6848.000	2.256	3.968	4.602
σ		0.075	0.174	3.801	53.360	43.950	0.045	0.055	0.061
%RSD		0.767	0.878	1.070	0.778	0.642	1.985	1.398	1.318

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:08:57	4.650	45.350	45.300	6.833	1.375	-4.586	0.000	276.800
2	21:09:39	4.439	44.560	44.390	7.515	0.013	-4.636	0.000	276.300
3	21:10:22	4.833	44.790	45.350	8.015	-0.490	-3.830	0.000	277.800
x		4.641	44.900	45.010	7.454	0.299	-4.351	0.000	277.000
σ		0.197	0.407	0.541	0.593	0.965	0.452	0.000	0.758
%RSD		4.246	0.905	1.202	7.958	322.100	10.390	0.000	0.274

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:08:57	87.091%	11.550	11.530	83.105%	0.011	0.021	0.362	0.321
2	21:09:39	90.177%	11.280	11.710	83.557%	0.005	0.015	0.318	0.316
3	21:10:22	91.116%	11.740	11.580	85.307%	0.003	0.004	0.279	0.304
x		89.461%	11.520	11.610	83.990%	0.006	0.013	0.320	0.314
σ		2.105%	0.234	0.094	1.163%	0.004	0.009	0.041	0.009
%RSD		2.353	2.029	0.814	1.385	65.130	66.090	12.940	2.748

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:08:57	84.846%	9.891	0.272	0.290	180.900	178.400	90.431%	90.972%
2	21:09:39	86.934%	9.288	0.273	0.267	180.400	179.200	93.232%	93.951%
3	21:10:22	88.497%	8.602	0.241	0.194	179.700	179.000	95.023%	95.937%
x		86.759%	9.261	0.262	0.250	180.400	178.900	92.896%	93.620%
σ		1.832%	0.645	0.018	0.050	0.577	0.398	2.314%	2.499%
%RSD		2.112	6.968	6.981	20.120	0.320	0.223	2.491	2.669

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:08:57	0.153	0.133	3.316	3.186	3.283	91.450%
2	21:09:39	0.108	0.112	3.420	3.228	3.278	94.854%
3	21:10:22	0.101	0.098	3.325	3.254	3.271	95.617%
x		0.121	0.114	3.354	3.223	3.277	93.974%
σ		0.028	0.018	0.058	0.034	0.006	2.218%
%RSD		23.090	15.500	1.725	1.058	0.176	2.361

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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	21:13:16	90.023%	0.073	282.900	301.300	0.000	331500.000	734.900	742.700
2	21:13:58	88.386%	0.032	300.100	310.000	0.000	328100.000	746.400	761.000
3	21:14:41	88.337%	0.061	296.600	305.100	0.000	323700.000	754.800	777.300
x		88.915%	0.055	293.200	305.500	0.000	327800.000	745.400	760.300
σ		0.960%	0.021	9.072	4.336	0.000	3882.000	9.980	17.300
%RSD		1.079	38.660	3.094	1.420	0.000	1.184	1.339	2.275

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:13:16	329.200	49370.000	0.000	7795.000	13080.000	12550.000	86.327%	18.360
2	21:13:58	339.400	50440.000	0.000	7729.000	12630.000	12530.000	87.133%	17.290
3	21:14:41	339.600	50850.000	0.000	7682.000	12480.000	12560.000	87.722%	18.480
x		336.000	50220.000	0.000	7735.000	12730.000	12550.000	87.061%	18.040
σ		5.944	762.800	0.000	56.520	313.200	17.590	0.701%	0.651
%RSD		1.769	1.519	0.000	0.731	2.460	0.140	0.805	3.609

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:13:16	10.050	5.959	84.490	1073.000	1030.000	0.355	3.492	45.880
2	21:13:58	14.220	5.894	85.670	1072.000	1039.000	0.346	3.466	45.280
3	21:14:41	14.310	5.899	85.600	1073.000	1025.000	0.337	3.440	44.990
x		12.860	5.917	85.260	1073.000	1032.000	0.346	3.466	45.380
σ		2.432	0.036	0.662	0.541	7.082	0.009	0.026	0.458
%RSD		18.910	0.614	0.777	0.050	0.687	2.663	0.750	1.009

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:13:16	45.000	25.680	25.940	19.390	2.930	0.389	0.000	45.300
2	21:13:58	44.150	25.470	26.040	19.280	2.139	1.582	0.000	45.560
3	21:14:41	43.910	25.230	25.810	18.890	0.806	1.287	0.000	45.430
x		44.350	25.460	25.930	19.190	1.958	1.086	0.000	45.430
σ		0.575	0.225	0.119	0.265	1.074	0.621	0.000	0.131
%RSD		1.297	0.883	0.458	1.379	54.820	57.210	0.000	0.287

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:13:16	87.832%	27.690	28.930	83.445%	0.077	0.073	1.651	1.684
2	21:13:58	91.065%	28.150	28.590	86.908%	0.082	0.090	1.535	1.707
3	21:14:41	92.938%	28.630	28.580	88.120%	0.060	0.079	1.529	1.569
x		90.612%	28.160	28.700	86.158%	0.073	0.081	1.572	1.653
σ		2.583%	0.469	0.197	2.426%	0.012	0.009	0.069	0.074
%RSD		2.851	1.664	0.685	2.816	15.940	10.770	4.376	4.488

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:13:16	86.021%	5.997	2.614	2.656	13.130	13.170	90.681%	91.930%
2	21:13:58	89.305%	5.994	2.588	2.571	13.200	13.380	93.378%	94.376%
3	21:14:41	90.461%	5.863	2.546	2.527	13.390	13.390	96.130%	97.170%
x		88.596%	5.951	2.583	2.584	13.240	13.310	93.396%	94.492%
σ		2.303%	0.077	0.034	0.065	0.135	0.125	2.725%	2.622%
%RSD		2.600	1.290	1.325	2.533	1.017	0.936	2.917	2.775

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:13:16	0.220	0.209	31.800	32.230	32.030	91.588%
2	21:13:58	0.197	0.212	31.770	32.560	32.160	94.994%
3	21:14:41	0.190	0.172	32.240	33.160	32.550	95.912%
x		0.202	0.198	31.940	32.650	32.250	94.165%
σ		0.016	0.022	0.263	0.470	0.271	2.278%
%RSD		7.754	11.150	0.823	1.440	0.841	2.420

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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	21:17:35	85.495%	0.065	899.700	909.900	0.000	484700.000	34020.000	34470.000
2	21:18:17	86.096%	-0.011	918.000	910.900	0.000	478300.000	34340.000	35170.000
3	21:19:00	84.369%	0.036	912.000	925.600	0.000	475300.000	35090.000	35800.000
x		85.320%	0.030	909.900	915.400	0.000	479400.000	34480.000	35150.000
σ		0.877%	0.038	9.306	8.787	0.000	4839.000	552.400	660.800
%RSD		1.028	128.100	1.023	0.960	0.000	1.009	1.602	1.880

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:35	274.200	18090.000	0.000	10860.000	96520.000	100800.000	85.667%	8.242
2	21:18:17	276.900	18090.000	0.000	10640.000	94910.000	101100.000	85.992%	7.680
3	21:19:00	279.000	18360.000	0.000	10700.000	95430.000	101000.000	86.255%	8.536
x		276.700	18180.000	0.000	10730.000	95620.000	100900.000	85.972%	8.152
σ		2.384	158.000	0.000	113.700	821.000	176.900	0.295%	0.435
%RSD		0.862	0.869	0.000	1.059	0.859	0.175	0.343	5.334

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:35	2.608	3.372	83.420	4978.000	5035.000	0.645	0.417	4.178
2	21:18:17	1.382	3.115	84.560	5002.000	5064.000	0.737	0.295	4.649
3	21:19:00	1.330	3.104	84.980	5003.000	5057.000	0.691	0.445	4.710
x		1.773	3.197	84.320	4994.000	5052.000	0.691	0.386	4.512
σ		0.723	0.152	0.807	14.110	15.020	0.046	0.080	0.291
%RSD		40.780	4.741	0.957	0.283	0.297	6.642	20.690	6.455

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:35	2.371	3.061	2.958	62.190	1.310	-1.749	0.000	864.800
2	21:18:17	2.237	3.020	3.283	62.000	0.315	1.439	0.000	902.800
3	21:19:00	2.284	2.864	2.666	62.510	0.685	0.246	0.000	898.300
x		2.297	2.982	2.969	62.230	0.770	-0.021	0.000	888.600
σ		0.068	0.104	0.309	0.255	0.503	1.610	0.000	20.740
%RSD		2.958	3.496	10.400	0.410	65.390	7508.000	0.000	2.334

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:35	89.466%	16.920	16.950	84.973%	-0.000	-0.006	0.185	0.175
2	21:18:17	91.709%	16.810	17.270	89.453%	-0.010	-0.013	0.151	0.161
3	21:19:00	92.387%	16.880	17.290	90.019%	-0.011	-0.001	0.114	0.207
x		91.187%	16.870	17.170	88.148%	-0.007	-0.007	0.150	0.181
σ		1.529%	0.053	0.189	2.764%	0.006	0.006	0.035	0.023
%RSD		1.677	0.313	1.099	3.136	86.780	81.930	23.470	12.920

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:35	87.375%	4.763	0.007	-0.010	329.500	330.700	92.988%	94.224%
2	21:18:17	89.422%	4.524	-0.001	0.020	333.000	331.400	97.145%	97.248%
3	21:19:00	90.531%	4.454	-0.014	0.017	334.300	330.400	97.302%	98.837%
x		89.110%	4.580	-0.003	0.009	332.300	330.800	95.812%	96.770%
σ		1.601%	0.162	0.011	0.017	2.465	0.534	2.446%	2.343%
%RSD		1.797	3.540	401.300	192.300	0.742	0.161	2.553	2.422

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:35	0.031	0.019	0.363	0.377	0.377	93.029%
2	21:18:17	0.003	0.019	0.411	0.365	0.386	95.290%
3	21:19:00	0.010	0.011	0.401	0.387	0.367	96.227%
x		0.015	0.016	0.392	0.376	0.377	94.849%
σ		0.015	0.005	0.025	0.011	0.010	1.644%
%RSD		100.700	30.800	6.466	2.886	2.540	1.733

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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	21:21:54	88.602%	0.046	222.900	210.900	0.000	206800.000	17020.000	17530.000
2	21:22:37	89.309%	0.002	209.600	211.800	0.000	202900.000	16900.000	17510.000
3	21:23:20	90.685%	0.030	206.500	206.900	0.000	198900.000	17100.000	17440.000
x		89.532%	0.026	213.000	209.900	0.000	202900.000	17010.000	17490.000
σ		1.059%	0.022	8.719	2.611	0.000	3920.000	101.100	47.150
%RSD		1.183	85.880	4.094	1.244	0.000	1.932	0.594	0.270

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:54	85.560	10630.000	0.000	5794.000	58230.000	61090.000	86.105%	2.430
2	21:22:37	86.580	10680.000	0.000	5755.000	58010.000	60920.000	85.939%	2.505
3	21:23:20	86.020	10600.000	0.000	5665.000	58080.000	60970.000	86.177%	2.209
x		86.050	10640.000	0.000	5738.000	58110.000	61000.000	86.073%	2.381
σ		0.509	42.140	0.000	66.210	110.000	89.210	0.122%	0.154
%RSD		0.592	0.396	0.000	1.154	0.189	0.146	0.142	6.450

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:54	2.184	4.282	27.440	223.300	394.600	0.177	0.235	1.833
2	21:22:37	1.350	4.476	27.570	216.000	390.700	0.201	0.239	1.613
3	21:23:20	1.660	4.318	27.650	214.500	374.800	0.202	0.338	1.729
x		1.731	4.359	27.550	218.000	386.700	0.193	0.270	1.725
σ		0.421	0.103	0.109	4.721	10.480	0.014	0.058	0.110
%RSD		24.340	2.365	0.395	2.166	2.711	7.320	21.490	6.385

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:54	0.869	2.793	3.113	1.866	4.176	6.920	0.000	151.200
2	21:22:37	1.137	3.179	3.200	1.345	3.041	2.665	0.000	150.100
3	21:23:20	1.023	2.933	2.902	1.283	1.604	4.393	0.000	149.800
x		1.010	2.968	3.072	1.498	2.940	4.659	0.000	150.300
σ		0.134	0.196	0.153	0.320	1.289	2.140	0.000	0.725
%RSD		13.290	6.589	4.986	21.380	43.850	45.940	0.000	0.482

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:54	90.309%	20.770	21.190	89.535%	-0.012	-0.005	0.004	0.026
2	21:22:37	92.456%	21.230	21.450	91.189%	-0.011	-0.013	-0.013	0.023
3	21:23:20	93.218%	21.130	20.880	91.378%	-0.017	-0.006	0.085	0.072
x		91.994%	21.040	21.170	90.701%	-0.013	-0.008	0.025	0.040
σ		1.508%	0.240	0.287	1.014%	0.003	0.004	0.052	0.028
%RSD		1.639	1.143	1.355	1.118	21.970	55.200	206.400	68.190

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:54	88.801%	2.596	0.945	1.055	22.240	20.510	93.943%	94.589%
2	21:22:37	90.770%	2.804	0.991	1.047	21.950	21.590	96.181%	97.818%
3	21:23:20	91.701%	2.761	0.986	1.049	21.830	21.860	97.062%	97.622%
x		90.424%	2.720	0.974	1.050	22.010	21.320	95.729%	96.676%
σ		1.481%	0.110	0.025	0.004	0.213	0.713	1.608%	1.810%
%RSD		1.637	4.030	2.568	0.413	0.967	3.345	1.680	1.873

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:54	0.022	0.018	0.448	0.477	0.472	94.289%
2	21:22:37	0.021	0.026	0.471	0.449	0.468	96.606%
3	21:23:20	0.024	0.012	0.423	0.454	0.447	97.503%
x		0.022	0.019	0.447	0.460	0.462	96.133%
σ		0.001	0.007	0.024	0.015	0.013	1.659%
%RSD		5.152	38.960	5.381	3.238	2.902	1.725

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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	21:26:15	87.555%	0.047	101.500	104.100	0.000	43780.000	41920.000	42690.000
2	21:26:57	87.588%	0.003	102.100	103.000	0.000	43080.000	42540.000	43450.000
3	21:27:40	87.505%	0.077	101.300	105.500	0.000	42870.000	42770.000	43720.000
x		87.549%	0.042	101.700	104.200	0.000	43240.000	42410.000	43280.000
σ		0.041%	0.037	0.422	1.242	0.000	476.400	442.800	531.900
%RSD		0.047	87.420	0.415	1.193	0.000	1.102	1.044	1.229

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:26:15	336.400	11970.000	0.000	27920.000	144800.000	151400.000	84.154%	6.320
2	21:26:57	343.000	12020.000	0.000	27780.000	145500.000	150900.000	85.201%	6.421
3	21:27:40	348.700	12090.000	0.000	27550.000	143400.000	151200.000	85.263%	6.141
x		342.700	12020.000	0.000	27750.000	144600.000	151200.000	84.873%	6.294
σ		6.131	61.970	0.000	188.700	1088.000	286.900	0.623%	0.142
%RSD		1.789	0.515	0.000	0.680	0.752	0.190	0.735	2.251

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:26:15	0.285	3.068	106.000	5939.000	6096.000	0.326	-0.032	1.011
2	21:26:57	0.778	3.091	107.100	5955.000	6136.000	0.341	0.081	1.002
3	21:27:40	0.990	3.188	107.500	5934.000	6099.000	0.294	0.066	0.901
x		0.684	3.115	106.900	5943.000	6110.000	0.320	0.038	0.971
σ		0.362	0.064	0.782	11.150	22.300	0.024	0.061	0.061
%RSD		52.830	2.047	0.732	0.188	0.365	7.444	159.800	6.282

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:26:15	1.274	6.378	6.123	61.930	0.665	-0.116	0.000	635.800
2	21:26:57	1.195	6.374	6.223	59.820	-0.444	-1.452	0.000	650.900
3	21:27:40	1.264	5.688	6.356	60.280	-0.095	-0.682	0.000	648.400
x		1.244	6.147	6.234	60.680	0.042	-0.750	0.000	645.000
σ		0.043	0.397	0.117	1.113	0.567	0.671	0.000	8.096
%RSD		3.476	6.465	1.875	1.834	1349.000	89.460	0.000	1.255

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:26:15	89.191%	11.440	11.650	85.508%	-0.006	0.002	0.294	0.361
2	21:26:57	91.429%	11.430	11.740	90.193%	-0.015	-0.009	0.385	0.358
3	21:27:40	92.296%	11.470	11.780	91.093%	-0.013	-0.017	0.398	0.336
x		90.972%	11.450	11.720	88.931%	-0.011	-0.008	0.359	0.352
σ		1.602%	0.017	0.067	2.998%	0.005	0.009	0.057	0.014
%RSD		1.761	0.153	0.575	3.372	43.650	114.100	15.760	3.943

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:26:15	87.927%	2.175	0.001	0.027	243.800	242.700	94.125%	94.197%
2	21:26:57	89.788%	2.246	-0.025	-0.014	244.900	244.800	96.405%	97.352%
3	21:27:40	90.676%	2.194	-0.012	-0.015	245.800	242.800	98.025%	98.420%
x		89.464%	2.205	-0.012	-0.001	244.800	243.400	96.185%	96.656%
σ		1.403%	0.037	0.013	0.024	1.014	1.159	1.960%	2.196%
%RSD		1.568	1.660	110.900	3730.000	0.414	0.476	2.037	2.272

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:26:15	0.002	0.005	0.830	0.704	0.764	92.146%
2	21:26:57	0.000	-0.000	0.791	0.684	0.756	95.068%
3	21:27:40	0.010	0.000	0.742	0.712	0.761	96.823%
x		0.004	0.002	0.787	0.700	0.760	94.679%
σ		0.005	0.003	0.044	0.015	0.004	2.363%
%RSD		132.800	175.800	5.599	2.076	0.517	2.496

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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	21:30:35	88.385%	-0.012	279.800	280.400	0.000	179000.000	714.900	736.900
2	21:31:17	90.312%	0.059	273.900	281.500	0.000	174800.000	723.100	750.700
3	21:32:00	88.962%	0.017	275.100	285.000	0.000	175000.000	715.700	759.000
x		89.220%	0.021	276.300	282.300	0.000	176300.000	717.900	748.900
σ		0.989%	0.035	3.101	2.367	0.000	2352.000	4.533	11.160
%RSD		1.108	168.100	1.123	0.839	0.000	1.334	0.631	1.490

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:30:35	263.500	7591.000	0.000	25740.000	111100.000	116400.000	84.828%	3.527
2	21:31:17	265.200	7562.000	0.000	25340.000	109600.000	115500.000	86.030%	3.691
3	21:32:00	268.200	7632.000	0.000	25180.000	109600.000	115100.000	86.409%	3.209
x		265.600	7595.000	0.000	25420.000	110100.000	115700.000	85.756%	3.476
σ		2.405	34.810	0.000	285.900	892.500	667.500	0.825%	0.245
%RSD		0.905	0.458	0.000	1.125	0.811	0.577	0.962	7.047

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:30:35	31.790	2.341	19.450	172.600	506.400	0.181	0.102	1.762
2	21:31:17	32.850	2.269	19.510	166.100	489.600	0.154	0.102	1.783
3	21:32:00	32.990	2.428	19.330	164.000	486.600	0.166	0.051	1.788
x		32.550	2.346	19.430	167.600	494.200	0.167	0.085	1.778
σ		0.657	0.080	0.090	4.502	10.690	0.014	0.029	0.014
%RSD		2.020	3.391	0.464	2.687	2.163	8.266	34.790	0.801

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:30:35	1.487	2.712	2.264	2.184	3.524	4.431	0.000	782.000
2	21:31:17	1.382	2.719	2.473	1.953	2.247	3.928	0.000	723.300
3	21:32:00	1.327	2.547	2.606	2.952	1.727	6.472	0.000	763.500
x		1.399	2.659	2.448	2.363	2.499	4.943	0.000	756.300
σ		0.081	0.097	0.173	0.523	0.925	1.347	0.000	30.010
%RSD		5.800	3.660	7.055	22.140	37.000	27.250	0.000	3.968

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:30:35	90.099%	14.590	14.420	86.455%	-0.008	-0.003	-0.047	-0.055
2	21:31:17	92.469%	14.420	14.210	90.774%	-0.005	0.003	-0.011	-0.015
3	21:32:00	92.320%	13.850	14.690	91.354%	-0.001	-0.006	-0.035	-0.055
x		91.629%	14.290	14.440	89.528%	-0.005	-0.002	-0.031	-0.041
σ		1.327%	0.391	0.240	2.677%	0.004	0.005	0.018	0.023
%RSD		1.448	2.733	1.661	2.990	84.370	220.100	59.140	55.110

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:30:35	89.130%	1.869	0.239	0.238	26.230	26.090	93.494%	95.225%
2	21:31:17	90.557%	2.036	0.246	0.222	26.730	26.500	97.679%	97.957%
3	21:32:00	91.418%	1.906	0.249	0.220	26.000	26.130	98.072%	97.961%
x		90.368%	1.937	0.245	0.227	26.320	26.240	96.415%	97.048%
σ		1.156%	0.088	0.005	0.010	0.373	0.228	2.537%	1.578%
%RSD		1.279	4.536	1.935	4.457	1.419	0.870	2.632	1.626

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:30:35	-0.001	0.010	0.303	0.277	0.280	95.462%
2	21:31:17	0.017	-0.002	0.261	0.248	0.248	98.174%
3	21:32:00	-0.003	0.003	0.233	0.237	0.233	98.228%
x		0.004	0.003	0.266	0.254	0.253	97.288%
σ		0.011	0.006	0.035	0.021	0.024	1.581%
%RSD		258.800	170.200	13.300	8.280	9.421	1.625

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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	21:34:55	90.110%	0.030	581.400	593.100	0.000	89730.000	7171.000	7408.000
2	21:35:38	89.485%	0.016	586.100	600.400	0.000	88420.000	7278.000	7565.000
3	21:36:21	89.011%	0.118	598.200	603.900	0.000	87860.000	7365.000	7624.000
x		89.535%	0.055	588.600	599.100	0.000	88670.000	7271.000	7532.000
σ		0.551%	0.055	8.666	5.524	0.000	961.400	97.410	111.300
%RSD		0.615	100.300	1.472	0.922	0.000	1.084	1.340	1.477

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:34:55	198.100	11850.000	0.000	9712.000	31680.000	30650.000	83.755%	4.368
2	21:35:38	202.500	12020.000	0.000	9486.000	31690.000	30690.000	84.971%	4.668
3	21:36:21	204.900	11980.000	0.000	9323.000	31400.000	30300.000	85.810%	4.748
x		201.800	11950.000	0.000	9507.000	31590.000	30550.000	84.845%	4.595
σ		3.443	87.520	0.000	195.000	163.100	215.400	1.033%	0.200
%RSD		1.706	0.732	0.000	2.052	0.516	0.705	1.218	4.357

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:34:55	1.847	2.127	118.400	1216.000	1239.000	0.217	0.516	1.167
2	21:35:38	3.048	2.006	118.500	1210.000	1230.000	0.248	0.354	1.155
3	21:36:21	2.249	2.037	118.600	1206.000	1225.000	0.211	0.446	1.114
x		2.381	2.057	118.500	1211.000	1231.000	0.225	0.439	1.145
σ		0.611	0.063	0.082	5.003	7.168	0.020	0.082	0.028
%RSD		25.660	3.047	0.069	0.413	0.582	8.839	18.610	2.440

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:34:55	0.846	4.387	4.820	19.320	-0.007	-0.819	0.000	471.100
2	21:35:38	0.832	4.298	3.990	20.290	-0.124	1.113	0.000	472.900
3	21:36:21	0.863	4.145	4.638	20.020	-0.848	0.520	0.000	471.800
x		0.847	4.277	4.483	19.880	-0.327	0.271	0.000	471.900
σ		0.016	0.122	0.436	0.501	0.455	0.990	0.000	0.886
%RSD		1.856	2.853	9.724	2.523	139.400	364.800	0.000	0.188

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:34:55	88.913%	16.940	16.540	88.944%	-0.014	-0.005	0.320	0.268
2	21:35:38	91.361%	17.230	17.440	88.131%	-0.001	0.001	0.265	0.254
3	21:36:21	92.533%	16.680	17.000	91.517%	-0.007	0.003	0.261	0.313
x		90.935%	16.950	17.000	89.530%	-0.007	-0.000	0.282	0.278
σ		1.847%	0.277	0.452	1.768%	0.007	0.004	0.033	0.031
%RSD		2.031	1.631	2.661	1.974	89.350	1791.000	11.710	11.020

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:34:55	88.369%	1.843	-0.026	-0.004	90.090	89.070	92.994%	93.831%
2	21:35:38	90.162%	1.554	-0.011	-0.025	89.710	89.400	96.370%	96.656%
3	21:36:21	91.311%	1.645	-0.029	-0.031	89.070	88.940	98.050%	99.088%
x		89.947%	1.681	-0.022	-0.020	89.620	89.140	95.805%	96.525%
σ		1.483%	0.147	0.010	0.014	0.515	0.238	2.575%	2.631%
%RSD		1.649	8.767	43.190	71.410	0.575	0.268	2.687	2.726

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:34:55	0.003	-0.004	0.429	0.419	0.409	94.796%
2	21:35:38	0.007	0.000	0.418	0.372	0.389	97.784%
3	21:36:21	-0.008	-0.001	0.404	0.343	0.364	99.005%
x		0.001	-0.002	0.417	0.378	0.387	97.195%
σ		0.008	0.002	0.012	0.039	0.022	2.165%
%RSD		931.300	114.500	2.948	10.230	5.779	2.227

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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	21:42:54	97.567%	-0.003	4.841	5.090	0.000	56.260	3.176	3.238
2	21:43:37	98.333%	-0.029	4.453	5.767	0.000	55.440	4.201	3.727
3	21:44:20	96.996%	-0.042	4.250	4.099	0.000	46.720	1.644	2.745
x		97.632%	-0.025	4.514	4.985	0.000	52.810	3.007	3.237
σ		0.671%	0.020	0.301	0.839	0.000	5.289	1.287	0.491
%RSD		0.687	81.440	6.659	16.830	0.000	10.020	42.800	15.170

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:42:54	-2.303	8.034	0.000	-3.419	-21.490	-2.982	90.722%	0.014
2	21:43:37	-2.444	7.803	0.000	-6.001	-22.980	-1.588	90.255%	0.169
3	21:44:20	-2.475	6.456	0.000	-10.670	-22.990	-10.610	90.364%	0.117
x		-2.407	7.431	0.000	-6.698	-22.490	-5.060	90.447%	0.100
σ		0.092	0.852	0.000	3.677	0.864	4.856	0.244%	0.079
%RSD		3.803	11.470	0.000	54.900	3.841	95.980	0.270	79.220

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:42:54	0.199	0.384	0.058	17.610	-2.446	-0.003	0.044	0.011
2	21:43:37	0.397	0.417	0.062	15.160	-7.534	-0.005	0.007	0.007
3	21:44:20	0.419	0.345	0.019	13.620	-5.764	0.002	-0.025	-0.010
x		0.338	0.382	0.046	15.470	-5.248	-0.002	0.009	0.003
σ		0.121	0.036	0.024	2.012	2.583	0.004	0.035	0.011
%RSD		35.740	9.433	51.670	13.010	49.210	195.000	407.300	363.900

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:42:54	0.095	-0.614	-0.500	-0.703	-0.343	-2.236	0.000	0.215
2	21:43:37	0.128	-0.535	-0.504	0.287	-0.754	0.268	0.000	0.207
3	21:44:20	0.094	-0.473	-0.476	0.608	-0.732	0.744	0.000	0.139
x		0.106	-0.541	-0.493	0.064	-0.610	-0.408	0.000	0.187
σ		0.019	0.071	0.015	0.683	0.231	1.601	0.000	0.042
%RSD		18.000	13.100	2.998	1069.000	37.880	392.200	0.000	22.400

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:42:54	89.288%	0.145	0.209	91.970%	-0.019	-0.006	0.014	0.017
2	21:43:37	91.112%	0.183	0.134	93.776%	-0.019	-0.012	-0.009	0.009
3	21:44:20	92.160%	0.152	0.109	94.185%	-0.016	-0.002	-0.064	-0.031
x		90.853%	0.160	0.151	93.310%	-0.018	-0.006	-0.020	-0.002
σ		1.454%	0.020	0.052	1.179%	0.002	0.005	0.040	0.026
%RSD		1.600	12.610	34.600	1.263	9.755	75.720	206.200	1431.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:42:54	88.996%	-0.887	-0.099	-0.106	0.034	0.028	91.536%	91.873%
2	21:43:37	91.180%	-0.881	-0.102	-0.116	-0.005	0.015	94.435%	94.345%
3	21:44:20	91.636%	-0.923	-0.105	-0.107	-0.042	0.029	95.576%	95.977%
x		90.604%	-0.897	-0.102	-0.109	-0.004	0.024	93.849%	94.065%
σ		1.411%	0.023	0.003	0.005	0.038	0.007	2.083%	2.066%
%RSD		1.558	2.559	2.757	4.925	856.300	31.170	2.219	2.197

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:42:54	-0.012	-0.013	0.064	0.082	0.070	93.204%
2	21:43:37	-0.008	-0.016	0.031	0.032	0.036	94.624%
3	21:44:20	-0.016	-0.018	-0.001	0.005	0.011	95.752%
x		-0.012	-0.016	0.031	0.040	0.039	94.527%
σ		0.004	0.002	0.032	0.039	0.030	1.277%
%RSD		35.910	15.940	104.500	99.500	76.220	1.351

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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	21:47:12	90.851%	44.910	917.600	933.000	0.000	44120.000	48550.000	49720.000
2	21:47:55	91.304%	44.970	943.400	963.100	0.000	43940.000	49470.000	50720.000
3	21:48:38	91.365%	45.360	963.900	973.800	0.000	44180.000	50250.000	51610.000
x		91.173%	45.080	941.600	956.700	0.000	44080.000	49420.000	50680.000
σ		0.281%	0.245	23.170	21.180	0.000	126.400	850.200	942.300
%RSD		0.308	0.544	2.460	2.214	0.000	0.287	1.720	1.859

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:47:12	1904.000	9501.000	0.000	46880.000	46750.000	45330.000	84.840%	949.000
2	21:47:55	1942.000	9628.000	0.000	46380.000	46320.000	43450.000	86.778%	957.000
3	21:48:38	1975.000	9774.000	0.000	46410.000	46360.000	45290.000	87.451%	969.900
x		1940.000	9634.000	0.000	46560.000	46480.000	44690.000	86.356%	958.600
σ		35.690	136.800	0.000	282.900	236.400	1074.000	1.356%	10.500
%RSD		1.840	1.420	0.000	0.608	0.509	2.404	1.570	1.095

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:47:12	486.000	197.400	489.500	978.100	1113.000	473.800	468.400	235.200
2	21:47:55	490.500	199.200	490.100	981.300	1116.000	470.500	467.300	234.200
3	21:48:38	491.300	200.700	495.600	1038.000	1106.000	469.600	467.200	232.800
x		489.200	199.100	491.800	999.000	1111.000	471.300	467.600	234.100
σ		2.858	1.672	3.373	33.520	4.780	2.201	0.697	1.230
%RSD		0.584	0.840	0.686	3.355	0.430	0.467	0.149	0.525

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:47:12	233.400	462.200	458.100	38.710	10.900	10.910	0.000	951.600
2	21:47:55	232.600	456.200	452.800	38.310	9.359	6.721	0.000	947.000
3	21:48:38	232.400	454.200	450.600	35.570	7.838	6.833	0.000	950.200
x		232.800	457.500	453.800	37.530	9.366	8.155	0.000	949.600
σ		0.524	4.163	3.827	1.710	1.531	2.388	0.000	2.359
%RSD		0.225	0.910	0.843	4.555	16.350	29.280	0.000	0.249

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:47:12	88.562%	982.900	986.100	86.197%	47.570	47.780	46.820	43.200
2	21:47:55	91.952%	990.700	988.000	90.676%	47.550	47.080	47.730	43.640
3	21:48:38	93.595%	986.500	985.900	92.075%	47.010	47.650	46.290	44.320
x		91.370%	986.700	986.700	89.649%	47.380	47.500	46.950	43.720
σ		2.567%	3.922	1.187	3.071%	0.316	0.374	0.730	0.569
%RSD		2.809	0.398	0.120	3.425	0.666	0.787	1.555	1.301

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:47:12	88.306%	1836.000	461.200	464.700	1861.000	1845.000	93.339%	94.130%
2	21:47:55	91.039%	1851.000	464.200	465.500	1864.000	1847.000	97.360%	97.916%
3	21:48:38	90.858%	1880.000	469.700	472.600	1882.000	1868.000	98.586%	99.132%
x		90.068%	1856.000	465.000	467.600	1869.000	1854.000	96.428%	97.059%
σ		1.528%	22.170	4.307	4.354	11.500	12.890	2.745%	2.609%
%RSD		1.697	1.195	0.926	0.931	0.615	0.695	2.847	2.688

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:47:12	44.200	44.880	18.520	18.280	18.370	97.822%
2	21:47:55	45.820	46.000	18.830	18.790	18.610	100.104%
3	21:48:38	45.870	46.950	18.990	18.780	18.860	100.049%
x		45.300	45.940	18.780	18.620	18.610	99.325%
σ		0.951	1.039	0.243	0.289	0.246	1.302%
%RSD		2.099	2.261	1.292	1.552	1.321	1.311

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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	21:51:30	98.538%	0.063	16.580	15.770	0.000	120.400	32.450	32.510
2	21:52:13	98.285%	0.024	13.850	12.710	0.000	117.400	27.090	29.000
3	21:52:56	100.083%	-0.004	10.990	10.880	0.000	108.700	28.900	27.360
x		98.969%	0.028	13.810	13.120	0.000	115.500	29.480	29.620
σ		0.974%	0.034	2.791	2.470	0.000	6.049	2.729	2.629
%RSD		0.984	121.800	20.210	18.820	0.000	5.237	9.259	8.874

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:51:30	4.756	72.570	0.000	80.020	131.700	117.500	86.144%	2.448
2	21:52:13	4.024	70.180	0.000	71.910	86.320	114.100	87.182%	1.866
3	21:52:56	3.322	64.000	0.000	65.770	123.300	103.900	87.866%	1.922
x		4.034	68.920	0.000	72.570	113.800	111.800	87.064%	2.079
σ		0.717	4.421	0.000	7.144	24.140	7.073	0.867%	0.321
%RSD		17.770	6.415	0.000	9.845	21.220	6.325	0.996	15.450

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:51:30	-1.171	5.584	2.127	48.170	22.750	0.186	0.779	0.863
2	21:52:13	5.302	5.528	2.180	44.620	20.820	0.147	0.789	0.747
3	21:52:56	4.688	5.267	2.131	41.630	15.650	0.145	0.583	0.647
x		2.940	5.460	2.146	44.810	19.740	0.160	0.717	0.752
σ		3.573	0.169	0.030	3.272	3.671	0.023	0.116	0.108
%RSD		121.500	3.097	1.382	7.303	18.590	14.500	16.200	14.390

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:51:30	0.968	1.447	1.664	0.881	-0.288	0.056	0.000	0.750
2	21:52:13	0.877	1.349	1.292	2.165	-1.049	-0.639	0.000	0.640
3	21:52:56	0.731	1.196	1.248	1.013	-1.141	0.284	0.000	0.618
x		0.859	1.330	1.401	1.353	-0.826	-0.100	0.000	0.669
σ		0.120	0.126	0.228	0.706	0.468	0.481	0.000	0.070
%RSD		13.960	9.498	16.290	52.180	56.670	481.700	0.000	10.500

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:51:30	89.811%	7.321	7.171	92.340%	-0.006	0.013	0.059	-0.052
2	21:52:13	91.788%	4.566	4.392	93.820%	0.006	0.007	0.016	-0.062
3	21:52:56	92.528%	3.182	2.975	94.390%	-0.009	0.004	-0.049	-0.042
x		91.376%	5.023	4.846	93.517%	-0.003	0.008	0.008	-0.052
σ		1.405%	2.107	2.135	1.058%	0.008	0.005	0.055	0.010
%RSD		1.538	41.950	44.050	1.132	270.900	60.910	645.800	19.020

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:51:30	89.060%	22.500	0.449	0.529	0.892	0.776	92.737%	92.957%
2	21:52:13	91.026%	17.410	0.313	0.340	0.593	0.634	95.578%	95.402%
3	21:52:56	91.304%	14.770	0.202	0.227	0.507	0.576	95.177%	96.508%
x		90.463%	18.220	0.321	0.365	0.664	0.662	94.497%	94.956%
σ		1.223%	3.928	0.124	0.153	0.202	0.103	1.538%	1.817%
%RSD		1.352	21.550	38.540	41.790	30.380	15.590	1.628	1.914

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:51:30	0.402	0.419	0.102	0.116	0.120	97.316%
2	21:52:13	0.272	0.294	0.134	0.094	0.096	98.888%
3	21:52:56	0.192	0.204	0.100	0.074	0.086	99.589%
x		0.289	0.306	0.112	0.095	0.101	98.598%
σ		0.106	0.108	0.019	0.021	0.017	1.164%
%RSD		36.780	35.340	16.840	21.880	17.310	1.181

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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	21:58:45	91.133%	93.170	100.000	99.270	0.000	48140.000	49480.000	49830.000
2	21:59:28	90.958%	95.110	96.350	99.400	0.000	46770.000	49490.000	50290.000
3	22:00:11	90.450%	96.450	100.100	97.170	0.000	47110.000	50270.000	50900.000
x		90.847%	94.910%	98.805%	98.615%	0.000	94.679%	99.490%	100.677%
σ		0.355%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.391	1.735	2.154	1.267	0.000	1.514	0.906	1.071

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:58:45	484.400	4885.000	0.000	49720.000	48490.000	45230.000	88.702%	94.280
2	21:59:28	487.600	4822.000	0.000	48590.000	47610.000	46140.000	89.107%	94.680
3	22:00:11	492.300	4885.000	0.000	48940.000	47250.000	45700.000	89.152%	97.060
x		97.620%	97.283%	0.000	98.171%	95.568%	91.383%	88.987%	95.341%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.248%	n/a
%RSD		0.818	0.747	0.000	1.180	1.335	0.991	0.278	1.578

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:58:45	96.340	97.930	487.300	25270.000	24440.000	97.710	95.780	96.570
2	21:59:28	97.740	98.300	490.800	25180.000	24450.000	96.250	95.310	95.580
3	22:00:11	96.760	99.000	495.300	25460.000	24630.000	98.130	98.050	96.440
x		96.948%	98.407%	98.232%	101.221%	98.033%	97.362%	96.380%	96.196%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.737	0.552	0.817	0.556	0.433	1.016	1.522	0.559

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:58:45	96.750	98.150	96.770	95.730	96.010	96.410	0.000	96.210
2	21:59:28	94.320	96.300	96.170	95.010	95.960	90.470	0.000	96.010
3	22:00:11	97.160	96.650	96.310	95.420	95.550	93.070	0.000	96.440
x		96.076%	97.032%	96.418%	95.389%	95.841%	93.316%	0.000	96.219%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.601	1.017	0.323	0.379	0.265	3.194	0.000	0.224

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:58:45	89.795%	92.090	92.530	90.107%	95.130	95.480	96.340	97.780
2	21:59:28	92.826%	96.200	96.770	91.313%	95.530	96.330	97.180	97.760
3	22:00:11	92.606%	100.300	99.560	91.616%	95.680	96.200	96.230	96.940
x		91.742%	96.206%	96.286%	91.012%	95.447%	96.002%	96.581%	97.491%
σ		1.690%	n/a	n/a	0.798%	n/a	n/a	n/a	n/a
%RSD		1.842	4.282	3.673	0.877	0.296	0.478	0.536	0.492

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:58:45	89.498%	92.830	93.840	95.000	95.220	95.360	93.110%	93.171%
2	21:59:28	90.805%	94.920	95.580	94.770	96.770	96.440	95.334%	96.143%
3	22:00:11	92.221%	94.560	94.610	95.450	96.410	96.800	96.198%	96.426%
x		90.841%	94.104%	94.677%	95.075%	96.135%	96.196%	94.881%	95.247%
σ		1.362%	n/a	n/a	n/a	n/a	n/a	1.593%	1.803%
%RSD		1.499	1.185	0.921	0.359	0.841	0.780	1.679	1.893

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:58:45	95.590	95.980	95.880	96.140	95.960	93.560%
2	21:59:28	95.950	96.550	96.760	96.900	97.080	95.280%
3	22:00:11	97.100	97.280	97.370	97.030	97.470	95.238%
x		96.213%	96.605%	96.673%	96.692%	96.836%	94.693%
σ		n/a	n/a	n/a	n/a	n/a	0.981%
%RSD		0.819	0.677	0.773	0.497	0.809	1.036

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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	22:06:03	92.961%	-0.014	3.151	3.264	0.000	10.840	6.068	5.406
2	22:06:46	94.258%	-0.001	3.097	3.673	0.000	11.890	5.338	6.552
3	22:07:29	95.664%	0.093	2.413	2.788	0.000	14.770	8.904	9.140
x		94.294%	0.026	2.887	3.242	0.000	12.500	6.770	7.033
σ		1.351%	0.058	0.411	0.443	0.000	2.036	1.884	1.913
%RSD		1.433	225.600	14.250	13.660	0.000	16.290	27.830	27.200

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:06:03	-0.324	0.285	0.000	14.420	-22.870	-15.390	90.102%	0.169
2	22:06:46	-0.334	-0.236	0.000	5.242	-16.810	-15.160	91.289%	0.115
3	22:07:29	-0.173	-0.630	0.000	9.236	-16.940	-13.100	91.624%	0.115
x		-0.277	-0.194	0.000	9.631	-18.870	-14.550	91.005%	0.133
σ		0.090	0.459	0.000	4.599	3.461	1.261	0.799%	0.031
%RSD		32.450	237.200	0.000	47.760	18.340	8.665	0.879	23.410

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:06:03	0.134	0.096	0.082	21.710	18.480	0.009	-0.034	0.016
2	22:06:46	0.363	0.177	0.061	16.320	14.020	0.015	0.004	0.054
3	22:07:29	0.246	0.158	0.066	15.100	10.710	0.013	0.007	0.006
x		0.248	0.143	0.070	17.710	14.400	0.013	-0.007	0.025
σ		0.115	0.042	0.011	3.516	3.897	0.003	0.023	0.026
%RSD		46.270	29.570	15.410	19.860	27.050	21.990	306.900	101.400

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:06:03	0.152	-0.399	-0.486	0.654	1.047	1.849	0.000	0.056
2	22:06:46	0.124	-0.387	-0.561	0.099	-0.280	0.601	0.000	0.071
3	22:07:29	0.117	-0.414	-0.329	0.342	-0.820	-0.072	0.000	0.087
x		0.131	-0.400	-0.459	0.365	-0.018	0.792	0.000	0.071
σ		0.019	0.013	0.118	0.279	0.961	0.975	0.000	0.016
%RSD		14.250	3.355	25.840	76.350	5413.000	123.000	0.000	22.030

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:06:03	90.784%	0.556	0.677	94.131%	0.006	-0.002	0.011	0.021
2	22:06:46	93.728%	0.510	0.585	96.440%	-0.002	0.004	-0.044	-0.043
3	22:07:29	94.932%	0.562	0.489	97.751%	0.005	0.003	0.059	0.045
x		93.148%	0.543	0.584	96.107%	0.003	0.002	0.008	0.008
σ		2.134%	0.028	0.094	1.833%	0.004	0.003	0.051	0.046
%RSD		2.291	5.210	16.140	1.907	137.000	181.100	606.800	588.100

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:06:03	90.870%	-0.458	-0.011	0.019	0.051	0.094	91.909%	92.024%
2	22:06:46	93.644%	-0.527	0.020	0.020	0.090	0.127	95.610%	95.868%
3	22:07:29	94.340%	-0.600	0.011	-0.007	0.131	0.159	96.309%	96.268%
x		92.951%	-0.528	0.007	0.011	0.091	0.127	94.609%	94.720%
σ		1.836%	0.071	0.016	0.015	0.039	0.033	2.365%	2.343%
%RSD		1.975	13.410	244.700	145.500	43.590	25.780	2.499	2.474

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:06:03	0.015	0.009	0.120	0.099	0.115	94.838%
2	22:06:46	0.021	0.025	0.080	0.091	0.084	97.642%
3	22:07:29	0.013	0.022	0.080	0.091	0.083	99.365%
x		0.016	0.018	0.094	0.093	0.094	97.282%
σ		0.004	0.008	0.023	0.005	0.018	2.285%
%RSD		24.790	46.040	24.680	4.946	19.460	2.349

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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	22:10:24	88.919%	0.046	521.800	508.500	0.000	62680.000	93.790	97.820
2	22:11:07	89.866%	0.131	523.300	518.600	0.000	61800.000	100.700	102.200
3	22:11:49	91.111%	0.086	529.700	516.900	0.000	61480.000	105.100	104.500
x		89.965%	0.088	525.000	514.700	0.000	61980.000	99.860	101.500
σ		1.099%	0.043	4.205	5.369	0.000	621.900	5.714	3.414
%RSD		1.222	48.600	0.801	1.043	0.000	1.003	5.721	3.363

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:24	1812.000	14430.000	0.000	71450.000	63230.000	66340.000	84.489%	8.989
2	22:11:07	1857.000	14520.000	0.000	71350.000	62920.000	67540.000	84.981%	9.489
3	22:11:49	1866.000	14650.000	0.000	71920.000	64200.000	67520.000	85.401%	9.242
x		1845.000	14530.000	0.000	71570.000	63450.000	67130.000	84.957%	9.240
σ		28.940	112.300	0.000	303.000	668.000	688.700	0.456%	0.250
%RSD		1.569	0.772	0.000	0.423	1.053	1.026	0.537	2.709

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:24	6.279	4.227	42.430	2004.000	2054.000	0.841	2.034	1.705
2	22:11:07	6.471	4.257	42.950	1998.000	2082.000	0.948	1.845	1.663
3	22:11:49	8.326	4.444	43.690	2006.000	2086.000	0.900	1.683	1.567
x		7.025	4.309	43.030	2003.000	2074.000	0.896	1.854	1.645
σ		1.131	0.118	0.634	3.839	17.080	0.054	0.176	0.071
%RSD		16.090	2.732	1.474	0.192	0.824	6.011	9.496	4.303

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:24	1.497	11.390	10.770	15.440	3.358	-1.157	0.000	786.100
2	22:11:07	1.505	11.570	10.910	18.330	0.196	0.878	0.000	794.800
3	22:11:49	1.238	11.430	11.020	19.410	0.340	-1.326	0.000	843.600
x		1.413	11.460	10.900	17.730	1.298	-0.535	0.000	808.200
σ		0.152	0.099	0.128	2.050	1.785	1.226	0.000	31.000
%RSD		10.770	0.862	1.175	11.560	137.500	229.200	0.000	3.836

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:24	86.680%	18.940	19.060	83.724%	0.004	0.031	0.336	0.412
2	22:11:07	90.144%	18.650	18.660	88.526%	0.007	0.008	0.304	0.385
3	22:11:49	90.787%	18.630	18.900	87.591%	0.009	0.012	0.300	0.389
x		89.204%	18.740	18.880	86.614%	0.007	0.017	0.313	0.395
σ		2.209%	0.176	0.201	2.546%	0.003	0.012	0.020	0.014
%RSD		2.477	0.941	1.065	2.939	39.430	70.100	6.228	3.663

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:24	85.692%	11.590	0.703	0.629	35.350	34.780	91.381%	91.457%
2	22:11:07	88.356%	10.450	0.522	0.537	34.930	34.490	93.888%	94.399%
3	22:11:49	90.033%	9.402	0.465	0.502	36.130	34.650	95.310%	95.775%
x		88.027%	10.480	0.564	0.556	35.470	34.640	93.526%	93.877%
σ		2.189%	1.096	0.124	0.065	0.610	0.147	1.990%	2.206%
%RSD		2.487	10.450	22.030	11.780	1.720	0.424	2.127	2.350

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:24	0.120	0.118	4.447	4.098	4.229	96.890%
2	22:11:07	0.067	0.090	4.305	4.183	4.183	98.567%
3	22:11:49	0.082	0.077	4.374	4.199	4.263	98.973%
x		0.090	0.095	4.375	4.160	4.225	98.144%
σ		0.027	0.021	0.071	0.054	0.040	1.104%
%RSD		30.330	21.850	1.628	1.302	0.951	1.125

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:42	90.921%	0.087	180.700	178.400	0.000	105300.000	4804.000	4948.000
2	22:15:25	92.823%	0.000	175.300	177.300	0.000	103100.000	4841.000	5028.000
3	22:16:08	91.942%	0.057	169.500	176.600	0.000	104000.000	4949.000	5134.000
x		91.895%	0.048	175.200	177.400	0.000	104100.000	4865.000	5037.000
σ		0.952%	0.044	5.603	0.947	0.000	1071.000	75.350	93.480
%RSD		1.036	91.820	3.199	0.534	0.000	1.028	1.549	1.856

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:42	467.000	13190.000	0.000	21720.000	44410.000	42020.000	83.807%	6.367
2	22:15:25	471.400	13220.000	0.000	21690.000	44310.000	42850.000	84.207%	6.810
3	22:16:08	480.500	13400.000	0.000	21420.000	44480.000	43280.000	84.573%	6.795
x		473.000	13270.000	0.000	21610.000	44400.000	42720.000	84.196%	6.657
σ		6.895	109.500	0.000	164.700	85.120	636.200	0.383%	0.252
%RSD		1.458	0.826	0.000	0.762	0.192	1.489	0.455	3.781

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:42	6.488	4.095	150.900	1416.000	1457.000	0.224	0.250	1.313
2	22:15:25	4.766	4.184	153.500	1422.000	1470.000	0.244	0.402	1.307
3	22:16:08	3.258	4.181	153.800	1426.000	1451.000	0.215	0.352	1.185
x		4.837	4.153	152.700	1421.000	1459.000	0.228	0.335	1.268
σ		1.616	0.051	1.616	4.851	9.712	0.015	0.077	0.072
%RSD		33.410	1.217	1.058	0.341	0.666	6.607	23.070	5.706

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:42	1.162	9.573	8.833	82.910	-0.223	-1.120	0.000	214.100
2	22:15:25	1.017	9.764	9.590	82.330	-0.998	3.484	0.000	214.500
3	22:16:08	1.053	9.113	9.770	80.650	-1.338	1.821	0.000	214.100
x		1.077	9.483	9.398	81.960	-0.853	1.395	0.000	214.200
σ		0.075	0.334	0.497	1.173	0.572	2.331	0.000	0.191
%RSD		6.996	3.525	5.290	1.431	67.040	167.200	0.000	0.089

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:42	88.267%	36.450	36.550	85.132%	0.023	0.008	0.114	0.040
2	22:15:25	90.430%	36.650	36.560	88.771%	0.002	0.026	-0.081	-0.009
3	22:16:08	91.886%	36.680	36.670	90.175%	0.006	0.016	0.047	0.074
x		90.194%	36.590	36.590	88.026%	0.010	0.016	0.027	0.035
σ		1.821%	0.124	0.069	2.603%	0.011	0.009	0.099	0.042
%RSD		2.019	0.338	0.188	2.957	103.500	56.060	371.700	118.600

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:42	85.941%	8.332	0.073	0.050	196.800	194.900	91.011%	92.026%
2	22:15:25	88.488%	7.902	0.042	0.068	196.700	195.600	93.860%	95.201%
3	22:16:08	89.345%	7.537	0.037	0.048	197.200	197.300	95.796%	96.765%
x		87.925%	7.924	0.051	0.055	196.900	195.900	93.556%	94.664%
σ		1.771%	0.398	0.020	0.011	0.288	1.269	2.407%	2.415%
%RSD		2.014	5.019	38.600	20.120	0.146	0.647	2.573	2.551

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:42	0.032	0.046	0.819	0.881	0.866	94.189%
2	22:15:25	0.023	0.034	0.871	0.841	0.847	96.925%
3	22:16:08	0.034	0.023	0.884	0.853	0.845	98.359%
x		0.030	0.035	0.858	0.859	0.853	96.491%
σ		0.006	0.011	0.034	0.021	0.012	2.119%
%RSD		19.390	32.910	4.000	2.423	1.373	2.196

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:19:02	91.460%	0.015	38.620	37.690	0.000	21720.000	989.600	1018.000
2	22:19:45	91.760%	-0.014	39.060	39.750	0.000	21440.000	985.600	1029.000
3	22:20:27	92.358%	0.014	36.760	38.110	0.000	21460.000	989.500	1031.000
x		91.859%	0.005	38.140	38.520	0.000	21540.000	988.300	1026.000
σ		0.457%	0.016	1.219	1.089	0.000	158.000	2.289	7.167
%RSD		0.497	312.100	3.197	2.826	0.000	0.734	0.232	0.699

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:19:02	96.940	2600.000	0.000	4468.000	9072.000	8830.000	86.430%	1.595
2	22:19:45	105.000	2638.000	0.000	4436.000	9034.000	8911.000	86.625%	1.268
3	22:20:27	96.210	2646.000	0.000	4425.000	9001.000	8802.000	86.827%	1.247
x		99.380	2628.000	0.000	4443.000	9036.000	8848.000	86.627%	1.370
σ		4.878	24.280	0.000	22.020	35.470	56.630	0.199%	0.195
%RSD		4.908	0.924	0.000	0.496	0.393	0.640	0.229	14.240

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:19:02	1.189	1.176	30.820	282.300	295.400	0.047	0.086	0.309
2	22:19:45	0.616	1.141	31.110	282.600	286.000	0.052	-0.004	0.263
3	22:20:27	0.897	1.010	31.060	277.600	289.900	0.041	0.097	0.234
x		0.900	1.109	31.000	280.800	290.400	0.047	0.060	0.269
σ		0.286	0.087	0.154	2.832	4.707	0.006	0.055	0.038
%RSD		31.800	7.889	0.497	1.008	1.621	12.150	92.520	14.040

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:19:02	0.346	1.575	1.651	16.470	-0.176	-1.009	0.000	43.910
2	22:19:45	0.214	1.662	1.312	16.570	-2.079	-0.454	0.000	44.200
3	22:20:27	0.251	1.605	1.599	15.880	-1.715	-1.932	0.000	43.740
x		0.270	1.614	1.521	16.300	-1.323	-1.132	0.000	43.950
σ		0.068	0.044	0.182	0.373	1.010	0.747	0.000	0.233
%RSD		25.120	2.749	11.990	2.289	76.340	65.990	0.000	0.530

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:19:02	90.737%	7.390	7.378	92.952%	-0.007	-0.006	-0.074	-0.028
2	22:19:45	92.060%	7.355	7.421	94.000%	-0.012	0.003	-0.107	-0.054
3	22:20:27	93.071%	7.212	7.330	94.410%	-0.011	-0.002	-0.007	0.002
x		91.956%	7.319	7.376	93.787%	-0.010	-0.002	-0.063	-0.027
σ		1.170%	0.095	0.046	0.752%	0.002	0.004	0.051	0.028
%RSD		1.273	1.293	0.622	0.802	23.640	231.800	81.070	104.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:19:02	90.512%	-0.358	-0.079	-0.082	39.910	39.750	94.083%	94.180%
2	22:19:45	91.369%	-0.415	-0.082	-0.098	41.030	40.060	96.110%	97.202%
3	22:20:27	92.874%	-0.425	-0.081	-0.073	39.540	40.250	96.553%	96.847%
x		91.585%	-0.399	-0.080	-0.084	40.160	40.020	95.582%	96.076%
σ		1.196%	0.036	0.002	0.012	0.772	0.250	1.317%	1.652%
%RSD		1.306	9.081	1.945	14.670	1.923	0.626	1.378	1.719

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:19:02	-0.015	-0.010	0.239	0.235	0.262	96.743%
2	22:19:45	-0.010	0.000	0.227	0.214	0.210	99.110%
3	22:20:27	-0.001	-0.006	0.183	0.172	0.200	99.735%
x		-0.009	-0.005	0.216	0.207	0.224	98.529%
σ		0.007	0.005	0.029	0.032	0.033	1.578%
%RSD		78.970	101.400	13.480	15.640	14.810	1.602

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:23:21	91.171%	43.470	1113.000	1097.000	0.000	144700.000	53320.000	54360.000
2	22:24:04	93.593%	45.520	1116.000	1096.000	0.000	144700.000	53930.000	55070.000
3	22:24:46	92.448%	44.180	1102.000	1122.000	0.000	146100.000	55110.000	55980.000
x		92.404%	44.390	1110.000	1105.000	0.000	145200.000	54120.000	55130.000
σ		1.212%	1.042	7.432	14.680	0.000	793.200	911.500	811.300
%RSD		1.311	2.348	0.669	1.329	0.000	0.546	1.684	1.472

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:23:21	3424.000	23880.000	0.000	67530.000	90110.000	94590.000	84.330%	957.500
2	22:24:04	3482.000	24140.000	0.000	67740.000	90910.000	94460.000	85.389%	964.900
3	22:24:46	3531.000	24410.000	0.000	67250.000	89720.000	93820.000	85.615%	969.900
x		3479.000	24140.000	0.000	67510.000	90250.000	94290.000	85.112%	964.100
σ		53.690	266.700	0.000	246.500	605.700	410.600	0.686%	6.225
%RSD		1.543	1.105	0.000	0.365	0.671	0.436	0.806	0.646

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:23:21	484.400	196.200	630.500	2592.000	2731.000	464.100	458.800	232.800
2	22:24:04	489.200	199.000	639.100	2594.000	2755.000	467.300	462.900	233.300
3	22:24:46	491.100	199.300	643.700	2606.000	2754.000	467.000	460.700	230.700
x		488.300	198.200	637.700	2598.000	2746.000	466.100	460.800	232.300
σ		3.489	1.718	6.708	7.469	13.050	1.759	2.071	1.382
%RSD		0.715	0.867	1.052	0.287	0.475	0.377	0.449	0.595

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:23:21	233.200	461.300	456.700	115.200	9.480	10.380	0.000	1174.000
2	22:24:04	232.500	458.400	459.100	117.900	8.847	8.323	0.000	1163.000
3	22:24:46	229.900	457.600	451.700	116.200	7.968	8.245	0.000	1167.000
x		231.900	459.100	455.800	116.400	8.765	8.982	0.000	1168.000
σ		1.703	1.970	3.807	1.349	0.759	1.209	0.000	5.242
%RSD		0.734	0.429	0.835	1.158	8.661	13.460	0.000	0.449

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:23:21	88.289%	1031.000	1039.000	82.642%	47.880	47.420	47.070	44.110
2	22:24:04	91.421%	1030.000	1037.000	86.173%	47.980	47.300	48.210	45.610
3	22:24:46	92.276%	1034.000	1041.000	87.544%	47.490	47.520	46.930	44.450
x		90.662%	1031.000	1039.000	85.453%	47.790	47.410	47.410	44.720
σ		2.099%	1.864	2.249	2.529%	0.258	0.112	0.703	0.786
%RSD		2.315	0.181	0.217	2.959	0.541	0.235	1.482	1.757

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:23:21	85.748%	1870.000	468.900	470.900	2064.000	2043.000	91.925%	92.506%
2	22:24:04	88.406%	1840.000	467.400	470.400	2070.000	2052.000	94.953%	96.025%
3	22:24:46	88.911%	1888.000	471.700	471.200	2066.000	2052.000	96.168%	96.663%
x		87.688%	1866.000	469.400	470.800	2067.000	2049.000	94.349%	95.065%
σ		1.699%	23.850	2.181	0.376	2.815	5.418	2.185%	2.239%
%RSD		1.938	1.278	0.465	0.080	0.136	0.264	2.316	2.355

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:23:21	46.470	46.410	20.140	19.790	19.930	90.806%
2	22:24:04	46.600	47.050	19.890	20.120	19.990	93.973%
3	22:24:46	46.710	47.510	20.010	20.260	20.220	94.548%
x		46.590	46.990	20.010	20.060	20.040	93.109%
σ		0.116	0.554	0.122	0.240	0.154	2.015%
%RSD		0.250	1.178	0.609	1.198	0.769	2.164

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:27:41	91.878%	44.310	1109.000	1114.000	0.000	145600.000	53010.000	54200.000
2	22:28:23	93.990%	44.760	1084.000	1111.000	0.000	144400.000	53530.000	54670.000
3	22:29:07	94.936%	42.750	1090.000	1101.000	0.000	142600.000	53770.000	55070.000
x		93.601%	43.940	1094.000	1108.000	0.000	144200.000	53430.000	54650.000
σ		1.566%	1.057	12.980	6.482	0.000	1527.000	387.100	434.800
%RSD		1.673	2.406	1.186	0.585	0.000	1.059	0.724	0.796

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:27:41	3436.000	24010.000	0.000	67310.000	89450.000	93290.000	86.531%	967.400
2	22:28:23	3465.000	24080.000	0.000	66380.000	88710.000	92900.000	87.812%	963.700
3	22:29:07	3473.000	24210.000	0.000	66700.000	88370.000	93080.000	87.662%	963.900
x		3458.000	24100.000	0.000	66800.000	88840.000	93090.000	87.335%	965.000
σ		19.450	103.700	0.000	469.300	549.100	192.800	0.700%	2.090
%RSD		0.563	0.430	0.000	0.703	0.618	0.207	0.802	0.217

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:27:41	482.800	195.800	629.400	2612.000	2762.000	464.400	460.300	232.200
2	22:28:23	484.300	197.700	635.600	2605.000	2758.000	462.600	452.200	229.700
3	22:29:07	489.700	198.300	640.400	2613.000	2796.000	462.900	455.600	230.900
x		485.600	197.200	635.100	2610.000	2772.000	463.300	456.000	230.900
σ		3.620	1.323	5.510	4.601	20.820	0.964	4.061	1.291
%RSD		0.745	0.671	0.868	0.176	0.751	0.208	0.890	0.559

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:27:41	230.600	450.900	448.000	115.200	9.074	8.250	0.000	1154.000
2	22:28:23	228.400	446.900	444.100	113.100	8.869	5.212	0.000	1148.000
3	22:29:07	228.100	449.700	444.900	114.800	8.100	9.832	0.000	1153.000
x		229.000	449.200	445.600	114.400	8.681	7.765	0.000	1151.000
σ		1.374	2.089	2.053	1.136	0.513	2.348	0.000	3.414
%RSD		0.600	0.465	0.461	0.994	5.912	30.240	0.000	0.296

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:27:41	90.709%	1012.000	1024.000	86.125%	47.020	46.790	46.750	43.930
2	22:28:23	93.346%	1016.000	1017.000	90.684%	46.080	46.210	46.440	45.660
3	22:29:07	93.999%	1014.000	1017.000	91.404%	46.310	46.690	46.400	43.670
x		92.685%	1014.000	1019.000	89.404%	46.470	46.560	46.530	44.420
σ		1.742%	1.882	4.360	2.863%	0.490	0.313	0.189	1.081
%RSD		1.879	0.186	0.428	3.202	1.055	0.673	0.406	2.434

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:27:41	87.998%	1867.000	461.500	461.700	2034.000	2013.000	94.220%	94.717%
2	22:28:23	90.925%	1779.000	460.500	462.400	2039.000	2023.000	96.214%	97.263%
3	22:29:07	90.999%	1875.000	465.300	467.100	2057.000	2033.000	97.384%	98.277%
x		89.974%	1840.000	462.400	463.800	2043.000	2023.000	95.939%	96.752%
σ		1.712%	53.240	2.515	2.933	12.050	9.798	1.600%	1.834%
%RSD		1.902	2.893	0.544	0.632	0.590	0.484	1.668	1.896

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:27:41	46.180	46.160	19.970	20.000	19.900	93.284%
2	22:28:23	46.820	46.840	20.080	19.810	19.970	95.778%
3	22:29:07	47.100	47.640	19.880	19.940	20.030	96.017%
x		46.700	46.880	19.980	19.910	19.970	95.026%
σ		0.474	0.742	0.102	0.097	0.062	1.514%
%RSD		1.014	1.584	0.509	0.489	0.309	1.593

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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	22:32:01	95.873%	0.039	187.500	187.000	0.000	104900.000	4746.000	4902.000
2	22:32:44	95.425%	0.053	182.600	188.400	0.000	103000.000	4864.000	5008.000
3	22:33:27	94.817%	0.122	185.500	189.300	0.000	103200.000	4889.000	5067.000
x		95.372%	0.071	185.200	188.200	0.000	103700.000	4833.000	4992.000
σ		0.530%	0.044	2.450	1.172	0.000	1049.000	76.040	83.250
%RSD		0.556	62.260	1.323	0.623	0.000	1.011	1.573	1.668

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:32:01	441.100	13120.000	0.000	21820.000	44480.000	41910.000	86.432%	8.689
2	22:32:44	443.800	13130.000	0.000	21480.000	43910.000	42450.000	86.525%	7.903
3	22:33:27	446.700	13190.000	0.000	21270.000	43360.000	41490.000	87.275%	7.693
x		443.900	13140.000	0.000	21520.000	43910.000	41950.000	86.744%	8.095
σ		2.791	40.670	0.000	277.800	558.900	484.000	0.462%	0.525
%RSD		0.629	0.309	0.000	1.291	1.273	1.154	0.533	6.490

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:32:01	1.024	6.079	158.200	1501.000	1525.000	0.347	0.624	1.312
2	22:32:44	5.839	5.822	160.100	1487.000	1502.000	0.363	0.680	1.249
3	22:33:27	5.793	5.609	160.300	1478.000	1517.000	0.321	0.527	1.204
x		4.218	5.836	159.500	1489.000	1515.000	0.344	0.610	1.255
σ		2.767	0.235	1.175	11.630	11.550	0.021	0.077	0.054
%RSD		65.590	4.034	0.736	0.781	0.763	6.144	12.700	4.311

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:32:01	1.055	9.623	9.646	82.960	0.614	-2.096	0.000	210.900
2	22:32:44	1.099	9.559	9.477	82.160	-0.364	-1.966	0.000	212.000
3	22:33:27	0.864	9.333	9.157	83.180	-0.824	0.227	0.000	212.100
x		1.006	9.505	9.427	82.770	-0.192	-1.278	0.000	211.700
σ		0.125	0.152	0.249	0.541	0.735	1.306	0.000	0.680
%RSD		12.440	1.603	2.638	0.654	383.500	102.100	0.000	0.321

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:32:01	90.292%	42.950	43.650	89.973%	0.030	0.037	0.076	-0.038
2	22:32:44	91.924%	41.220	40.870	90.954%	0.033	0.028	-0.062	-0.009
3	22:33:27	92.624%	38.660	39.280	91.381%	0.023	0.038	0.101	0.035
x		91.613%	40.940	41.270	90.769%	0.029	0.034	0.038	-0.004
σ		1.197%	2.160	2.211	0.722%	0.005	0.006	0.088	0.036
%RSD		1.306	5.275	5.358	0.796	17.960	17.410	229.800	891.500

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:32:01	87.866%	22.650	0.640	0.525	196.700	193.200	92.043%	93.068%
2	22:32:44	89.844%	17.730	0.442	0.470	193.800	194.800	94.539%	95.732%
3	22:33:27	90.302%	14.200	0.290	0.263	199.100	193.600	95.825%	95.960%
x		89.337%	18.190	0.457	0.419	196.500	193.900	94.136%	94.920%
σ		1.295%	4.248	0.175	0.138	2.652	0.794	1.923%	1.608%
%RSD		1.449	23.350	38.370	32.960	1.350	0.410	2.043	1.694

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:32:01	0.490	0.463	1.023	1.008	1.033	94.772%
2	22:32:44	0.315	0.284	1.086	1.096	1.073	96.983%
3	22:33:27	0.214	0.223	1.109	1.006	1.040	97.303%
x		0.340	0.324	1.073	1.037	1.048	96.353%
σ		0.140	0.125	0.045	0.051	0.021	1.378%
%RSD		41.130	38.570	4.184	4.927	2.021	1.430

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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	22:36:21	91.155%	0.015	135.000	137.400	0.000	83260.000	29.830	28.960
2	22:37:04	93.466%	0.083	138.500	135.000	0.000	81590.000	28.700	28.230
3	22:37:47	93.071%	-0.014	138.800	136.000	0.000	82480.000	29.280	28.970
x		92.564%	0.028	137.400	136.100	0.000	82440.000	29.270	28.720
σ		1.236%	0.050	2.094	1.198	0.000	835.900	0.565	0.429
%RSD		1.335	178.300	1.524	0.880	0.000	1.014	1.929	1.492

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:36:21	82.370	1135.000	0.000	40050.000	241700.000	252400.000	87.014%	2.174
2	22:37:04	82.750	1135.000	0.000	39260.000	237000.000	251600.000	88.168%	1.880
3	22:37:47	83.480	1148.000	0.000	39290.000	237600.000	251500.000	88.904%	2.002
x		82.870	1140.000	0.000	39530.000	238700.000	251800.000	88.029%	2.018
σ		0.561	7.513	0.000	447.900	2556.000	513.500	0.953%	0.148
%RSD		0.677	0.659	0.000	1.133	1.070	0.204	1.082	7.318

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:36:21	5.855	3.277	4.874	60.240	839.800	0.312	1.047	0.870
2	22:37:04	4.502	3.092	4.972	56.640	795.200	0.317	1.230	0.870
3	22:37:47	6.365	2.969	4.863	55.770	800.500	0.306	1.297	0.904
x		5.574	3.112	4.903	57.550	811.800	0.312	1.191	0.881
σ		0.963	0.155	0.060	2.371	24.400	0.005	0.130	0.019
%RSD		17.270	4.970	1.219	4.120	3.005	1.669	10.890	2.205

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:36:21	1.037	2.625	1.878	2.046	5.457	4.602	0.000	1889.000
2	22:37:04	0.945	2.730	2.039	3.135	3.921	5.150	0.000	1879.000
3	22:37:47	0.864	2.286	2.235	1.070	4.201	2.166	0.000	1873.000
x		0.948	2.547	2.051	2.084	4.526	3.973	0.000	1880.000
σ		0.086	0.232	0.178	1.033	0.818	1.589	0.000	8.535
%RSD		9.111	9.108	8.701	49.560	18.070	39.990	0.000	0.454

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:36:21	90.537%	13.360	13.180	90.788%	-0.006	0.004	0.009	0.008
2	22:37:04	93.090%	12.860	13.150	92.582%	-0.009	-0.006	0.076	0.026
3	22:37:47	95.492%	12.310	12.940	94.177%	-0.015	0.000	0.041	0.024
x		93.039%	12.850	13.090	92.516%	-0.010	-0.000	0.042	0.019
σ		2.478%	0.525	0.131	1.696%	0.005	0.005	0.033	0.010
%RSD		2.663	4.085	1.001	1.833	46.260	1050.000	79.140	50.910

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:36:21	88.782%	9.035	0.113	0.134	123.600	125.600	93.645%	93.864%
2	22:37:04	90.979%	8.209	0.126	0.127	126.500	125.500	96.488%	96.652%
3	22:37:47	91.847%	7.352	0.096	0.141	128.000	125.900	97.329%	98.052%
x		90.536%	8.199	0.112	0.134	126.000	125.700	95.820%	96.189%
σ		1.580%	0.841	0.015	0.007	2.232	0.228	1.931%	2.132%
%RSD		1.745	10.260	13.360	5.181	1.771	0.181	2.015	2.216

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:36:21	0.099	0.112	0.108	0.118	0.097	92.370%
2	22:37:04	0.094	0.087	0.069	0.045	0.069	96.005%
3	22:37:47	0.065	0.070	0.078	0.041	0.061	96.791%
x		0.086	0.090	0.085	0.068	0.076	95.056%
σ		0.018	0.021	0.021	0.043	0.019	2.359%
%RSD		21.320	23.350	24.220	63.760	24.690	2.481

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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	22:40:42	91.633%	0.043	187.200	192.300	0.000	89520.000	8113.000	8387.000
2	22:41:25	92.272%	0.056	186.900	191.400	0.000	86960.000	8171.000	8486.000
3	22:42:08	90.614%	0.044	187.900	193.600	0.000	87220.000	8255.000	8611.000
x		91.506%	0.048	187.300	192.400	0.000	87900.000	8180.000	8495.000
σ		0.836%	0.007	0.528	1.150	0.000	1410.000	71.490	112.400
%RSD		0.914	15.580	0.282	0.598	0.000	1.604	0.874	1.323

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:40:42	209.000	12300.000	0.000	21250.000	89690.000	94050.000	85.524%	15.080
2	22:41:25	212.100	12270.000	0.000	20740.000	88390.000	93350.000	85.835%	15.320
3	22:42:08	213.500	12280.000	0.000	20560.000	87400.000	92870.000	85.964%	14.300
x		211.500	12280.000	0.000	20850.000	88490.000	93420.000	85.774%	14.900
σ		2.308	17.180	0.000	355.800	1150.000	594.100	0.226%	0.532
%RSD		1.091	0.140	0.000	1.707	1.299	0.636	0.263	3.570

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:40:42	11.750	11.460	240.900	3279.000	3378.000	0.308	0.339	1.432
2	22:41:25	11.770	11.390	241.000	3271.000	3377.000	0.307	0.229	1.425
3	22:42:08	11.330	11.410	241.300	3250.000	3339.000	0.312	0.307	1.441
x		11.610	11.420	241.100	3267.000	3365.000	0.309	0.292	1.433
σ		0.247	0.038	0.181	15.300	22.260	0.003	0.056	0.008
%RSD		2.129	0.334	0.075	0.469	0.661	0.876	19.270	0.547

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:40:42	1.357	9.755	10.370	85.240	-0.357	2.379	0.000	987.800
2	22:41:25	1.451	9.950	9.318	80.340	-0.205	0.703	0.000	982.900
3	22:42:08	1.239	9.709	9.842	81.980	-1.653	-0.208	0.000	977.700
x		1.349	9.805	9.843	82.520	-0.738	0.958	0.000	982.800
σ		0.106	0.128	0.525	2.495	0.796	1.312	0.000	5.010
%RSD		7.853	1.303	5.338	3.023	107.800	137.000	0.000	0.510

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:40:42	89.742%	46.200	46.390	86.755%	0.046	0.059	0.251	0.247
2	22:41:25	92.058%	45.550	45.860	91.478%	0.029	0.047	0.238	0.195
3	22:42:08	92.498%	45.580	45.390	91.177%	0.037	0.056	0.291	0.245
x		91.433%	45.780	45.880	89.803%	0.037	0.054	0.260	0.229
σ		1.481%	0.367	0.504	2.644%	0.008	0.006	0.028	0.030
%RSD		1.619	0.802	1.099	2.944	22.750	11.290	10.670	12.930

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:40:42	87.954%	5.771	0.095	0.101	178.900	175.500	92.667%	93.975%
2	22:41:25	90.136%	5.568	0.068	0.098	178.100	174.600	95.638%	96.459%
3	22:42:08	91.093%	5.361	0.073	0.070	177.600	174.800	95.873%	96.699%
x		89.728%	5.567	0.079	0.089	178.200	175.000	94.726%	95.711%
σ		1.609%	0.205	0.014	0.017	0.613	0.495	1.787%	1.508%
%RSD		1.793	3.680	18.000	18.860	0.344	0.283	1.886	1.576

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:40:42	0.052	0.073	0.516	0.484	0.508	94.182%
2	22:41:25	0.067	0.060	0.485	0.449	0.479	96.494%
3	22:42:08	0.049	0.051	0.503	0.475	0.486	96.920%
x		0.056	0.061	0.501	0.470	0.491	95.866%
σ		0.009	0.011	0.015	0.018	0.016	1.473%
%RSD		16.960	18.050	3.078	3.849	3.160	1.537

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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	22:45:03	93.308%	0.028	173.900	175.200	0.000	59000.000	37.920	39.210
2	22:45:46	94.217%	0.013	178.400	176.200	0.000	58030.000	39.380	40.380
3	22:46:29	93.601%	-0.014	169.400	174.300	0.000	57270.000	39.470	42.100
x		93.709%	0.009	173.900	175.200	0.000	58100.000	38.930	40.560
σ		0.464%	0.021	4.491	0.925	0.000	862.200	0.871	1.452
%RSD		0.495	242.400	2.583	0.528	0.000	1.484	2.237	3.579

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:03	272.200	9875.000	0.000	7082.000	78770.000	84310.000	85.189%	2.165
2	22:45:46	276.000	9919.000	0.000	6955.000	78260.000	83440.000	86.203%	2.605
3	22:46:29	275.700	9914.000	0.000	6882.000	78080.000	83660.000	86.391%	2.851
x		274.600	9903.000	0.000	6973.000	78370.000	83800.000	85.928%	2.540
σ		2.093	24.350	0.000	101.100	361.500	450.400	0.646%	0.347
%RSD		0.762	0.246	0.000	1.450	0.461	0.537	0.752	13.670

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:03	67.860	3.727	12.510	70.790	304.300	0.095	0.174	0.730
2	22:45:46	69.430	3.483	12.690	66.970	296.400	0.092	0.309	0.770
3	22:46:29	68.350	3.465	12.570	66.450	289.000	0.108	0.094	0.715
x		68.550	3.559	12.590	68.070	296.600	0.098	0.192	0.738
σ		0.805	0.146	0.091	2.367	7.669	0.008	0.109	0.028
%RSD		1.174	4.118	0.725	3.477	2.586	8.428	56.580	3.858

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:03	0.779	2.494	2.171	2.741	1.805	-1.575	0.000	270.100
2	22:45:46	0.672	2.690	2.806	3.549	0.529	5.008	0.000	269.900
3	22:46:29	0.731	2.574	2.375	2.599	1.165	1.077	0.000	271.700
x		0.727	2.586	2.451	2.963	1.166	1.503	0.000	270.500
σ		0.054	0.099	0.324	0.512	0.638	3.312	0.000	0.967
%RSD		7.394	3.813	13.220	17.290	54.710	220.400	0.000	0.357

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:03	89.630%	6.705	6.868	86.755%	-0.017	-0.004	0.027	0.009
2	22:45:46	92.209%	6.329	6.216	92.354%	-0.021	-0.007	0.038	-0.008
3	22:46:29	92.802%	6.526	6.231	92.852%	-0.015	-0.008	0.013	-0.007
x		91.547%	6.520	6.438	90.654%	-0.017	-0.007	0.026	-0.002
σ		1.686%	0.188	0.372	3.385%	0.003	0.002	0.013	0.009
%RSD		1.842	2.887	5.778	3.734	17.980	31.340	48.400	525.300

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:03	87.885%	4.050	0.581	0.541	21.250	21.350	92.459%	93.114%
2	22:45:46	91.110%	3.916	0.570	0.607	21.880	21.150	96.309%	96.462%
3	22:46:29	91.521%	3.781	0.610	0.553	21.700	21.820	96.386%	97.657%
x		90.172%	3.916	0.587	0.567	21.610	21.440	95.051%	95.744%
σ		1.991%	0.135	0.021	0.035	0.325	0.343	2.245%	2.355%
%RSD		2.208	3.442	3.499	6.129	1.505	1.601	2.362	2.460

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:03	0.031	0.020	0.085	0.048	0.082	95.382%
2	22:45:46	0.012	0.015	0.046	0.044	0.043	97.943%
3	22:46:29	0.015	0.015	0.058	0.062	0.050	99.500%
x		0.019	0.017	0.063	0.051	0.058	97.608%
σ		0.010	0.003	0.020	0.009	0.021	2.079%
%RSD		51.660	18.550	32.190	17.760	35.160	2.130

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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	22:49:23	92.135%	0.043	109.700	109.400	0.000	36240.000	11840.000	12280.000
2	22:50:06	92.264%	0.127	112.700	108.700	0.000	36090.000	12070.000	12560.000
3	22:50:49	93.070%	0.083	104.600	109.600	0.000	35900.000	12150.000	12580.000
x		92.490%	0.084	109.000	109.200	0.000	36080.000	12020.000	12470.000
σ		0.506%	0.042	4.124	0.461	0.000	173.000	165.200	167.300
%RSD		0.548	49.910	3.784	0.422	0.000	0.479	1.374	1.341

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:23	336.500	14990.000	0.000	11980.000	53360.000	49790.000	85.248%	17.560
2	22:50:06	339.200	15060.000	0.000	11830.000	52290.000	49460.000	85.470%	17.700
3	22:50:49	343.700	15110.000	0.000	11800.000	52530.000	48380.000	85.655%	17.930
x		339.800	15050.000	0.000	11870.000	52730.000	49210.000	85.458%	17.730
σ		3.628	60.020	0.000	94.170	561.500	736.300	0.204%	0.190
%RSD		1.068	0.399	0.000	0.793	1.065	1.496	0.239	1.071

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:23	7.469	7.722	493.500	5167.000	5029.000	0.702	0.336	1.174
2	22:50:06	9.001	7.535	499.400	5176.000	5034.000	0.765	0.388	1.124
3	22:50:49	10.710	7.775	501.100	5178.000	5073.000	0.751	0.308	1.008
x		9.061	7.678	498.000	5174.000	5046.000	0.739	0.344	1.102
σ		1.622	0.126	3.969	5.544	23.980	0.033	0.040	0.085
%RSD		17.900	1.645	0.797	0.107	0.475	4.429	11.680	7.744

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:23	1.270	3.222	3.472	52.400	-0.366	0.865	0.000	177.900
2	22:50:06	1.196	3.235	3.038	53.430	-0.777	0.248	0.000	179.400
3	22:50:49	0.962	3.318	3.178	53.050	-0.645	0.408	0.000	179.700
x		1.143	3.258	3.229	52.960	-0.596	0.507	0.000	179.000
σ		0.161	0.052	0.222	0.522	0.210	0.320	0.000	0.983
%RSD		14.070	1.597	6.872	0.985	35.210	63.120	0.000	0.549

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:23	90.388%	5.378	5.465	87.129%	0.005	0.013	0.415	0.393
2	22:50:06	92.068%	5.241	5.434	91.507%	-0.002	0.019	0.363	0.392
3	22:50:49	92.162%	5.260	5.130	92.322%	0.012	0.006	0.437	0.452
x		91.539%	5.293	5.343	90.319%	0.005	0.013	0.405	0.412
σ		0.998%	0.074	0.185	2.792%	0.007	0.006	0.038	0.034
%RSD		1.091	1.405	3.469	3.092	132.200	49.420	9.414	8.323

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:23	88.314%	3.382	0.026	0.055	124.400	120.400	93.174%	93.554%
2	22:50:06	89.830%	3.387	-0.011	0.015	122.500	123.100	95.639%	96.540%
3	22:50:49	90.045%	3.255	0.038	-0.000	123.800	121.200	94.674%	96.174%
x		89.396%	3.341	0.018	0.023	123.500	121.600	94.496%	95.423%
σ		0.944%	0.075	0.025	0.028	0.948	1.374	1.242%	1.629%
%RSD		1.056	2.251	142.500	122.800	0.768	1.130	1.314	1.707

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:23	0.007	0.010	0.318	0.323	0.351	94.930%
2	22:50:06	0.013	0.021	0.353	0.332	0.322	96.397%
3	22:50:49	0.031	0.020	0.339	0.299	0.327	96.575%
x		0.017	0.017	0.337	0.318	0.333	95.967%
σ		0.013	0.006	0.018	0.017	0.016	0.903%
%RSD		75.490	36.290	5.277	5.305	4.742	0.941

CCV 496055 8/23/2012 10:55:55 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	22:56:38	89.108%	94.720	94.740	97.000	0.000	47300.000	49850.000	50710.000
2	22:57:22	89.128%	95.950	103.300	99.580	0.000	47280.000	50560.000	51380.000
3	22:58:05	91.665%	92.200	99.080	92.670	0.000	46510.000	50150.000	50950.000
x		89.967%	94.293%	99.032%	96.416%	0.000	94.056%	100.372%	102.033%
σ		1.470%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.634	2.026	4.307	3.619	0.000	0.962	0.717	0.668

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:56:38	485.800	5025.000	0.000	49520.000	48030.000	43980.000	86.937%	96.900
2	22:57:22	497.500	5051.000	0.000	49310.000	48220.000	45520.000	87.260%	97.790
3	22:58:05	490.900	4971.000	0.000	48750.000	47670.000	46310.000	88.109%	97.820
x		98.284%	100.315%	0.000	98.385%	95.943%	90.540%	87.436%	97.506%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.605%	n/a
%RSD		1.194	0.821	0.000	0.812	0.580	2.614	0.692	0.537

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:56:38	97.780	98.880	494.100	25630.000	24610.000	97.290	96.780	97.360
2	22:57:22	98.440	99.810	498.300	25720.000	24800.000	97.000	96.350	97.150
3	22:58:05	97.010	98.860	498.000	25610.000	24800.000	96.960	95.020	96.320
x		97.742%	99.183%	99.355%	102.617%	98.962%	97.083%	96.051%	96.946%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.736	0.546	0.473	0.233	0.445	0.182	0.957	0.566

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:56:38	96.960	96.950	97.610	95.810	95.850	95.540	0.000	96.690
2	22:57:22	97.620	97.040	97.100	95.750	95.820	97.370	0.000	96.800
3	22:58:05	96.650	97.700	97.460	96.650	97.550	94.710	0.000	97.100
x		97.076%	97.231%	97.390%	96.069%	96.408%	95.873%	0.000	96.862%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.514	0.422	0.268	0.525	1.024	1.421	0.000	0.218

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:56:38	88.973%	93.240	92.870	89.716%	94.990	95.460	96.980	98.070
2	22:57:22	91.458%	97.240	97.510	91.109%	95.950	96.020	95.840	97.200
3	22:58:05	92.332%	98.680	99.840	91.877%	96.050	96.610	96.680	98.880
x		90.921%	96.385%	96.739%	90.901%	95.662%	96.030%	96.497%	98.050%
σ		1.743%	n/a	n/a	1.095%	n/a	n/a	n/a	n/a
%RSD		1.917	2.926	3.670	1.205	0.610	0.595	0.612	0.855

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:56:38	88.756%	93.660	94.860	94.750	97.480	96.450	92.220%	92.462%
2	22:57:22	90.694%	94.340	94.790	94.900	97.370	96.150	95.064%	95.386%
3	22:58:05	91.329%	95.660	95.510	96.140	97.890	95.970	96.344%	96.349%
x		90.260%	94.551%	95.054%	95.265%	97.577%	96.188%	94.542%	94.732%
σ		1.341%	n/a	n/a	n/a	n/a	n/a	2.111%	2.024%
%RSD		1.485	1.076	0.422	0.801	0.282	0.252	2.233	2.137

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:56:38	94.770	95.160	96.090	96.280	95.840	93.541%
2	22:57:22	97.220	97.580	97.340	98.260	97.640	94.784%
3	22:58:05	97.470	98.570	98.170	97.790	97.940	95.014%
x		96.488%	97.104%	97.200%	97.444%	97.138%	94.446%
σ		n/a	n/a	n/a	n/a	n/a	0.792%
%RSD		1.546	1.808	1.076	1.059	1.171	0.839

CCB7 8/23/2012 11:03:13 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:03:56	91.708%	-0.028	3.011	3.969	0.000	12.890	6.321	5.930
2	23:04:39	92.886%	0.055	4.536	3.869	0.000	44.670	22.140	19.170
3	23:05:22	93.277%	-0.014	2.671	3.614	0.000	37.800	16.010	17.320
x		92.624%	0.004	3.406	3.818	0.000	31.790	14.820	14.140
σ		0.817%	0.044	0.993	0.183	0.000	16.720	7.975	7.171
%RSD		0.882	1016.000	29.160	4.794	0.000	52.610	53.800	50.710

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:03:56	-0.203	1.452	0.000	20.030	-26.170	-11.280	90.417%	0.169
2	23:04:39	2.500	2.578	0.000	27.280	-0.856	16.510	91.454%	0.353
3	23:05:22	1.506	1.938	0.000	23.280	16.510	7.551	91.756%	0.639
x		1.268	1.989	0.000	23.530	-3.506	4.260	91.209%	0.387
σ		1.367	0.565	0.000	3.634	21.460	14.190	0.702%	0.237
%RSD		107.800	28.400	0.000	15.440	612.100	333.000	0.770	61.330

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:03:56	0.773	0.225	0.099	23.590	22.470	0.016	0.057	0.112
2	23:04:39	0.565	0.219	0.297	28.190	29.300	0.063	0.040	0.054
3	23:05:22	0.920	0.213	0.263	23.330	20.940	0.035	0.056	0.054
x		0.752	0.219	0.220	25.040	24.240	0.038	0.051	0.073
σ		0.178	0.006	0.106	2.732	4.452	0.023	0.010	0.033
%RSD		23.720	2.595	48.070	10.910	18.370	61.830	19.400	45.590

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:03:56	0.133	-0.399	-0.465	0.240	0.262	0.563	0.000	0.063
2	23:04:39	0.185	-0.306	-0.561	0.667	0.582	0.945	0.000	0.419
3	23:05:22	0.111	-0.395	-0.417	0.554	0.518	0.821	0.000	0.330
x		0.143	-0.367	-0.481	0.487	0.454	0.776	0.000	0.271
σ		0.038	0.052	0.073	0.221	0.170	0.195	0.000	0.185
%RSD		26.870	14.290	15.180	45.480	37.390	25.070	0.000	68.310

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:03:56	90.292%	0.574	0.494	94.363%	0.002	-0.004	0.018	-0.002
2	23:04:39	93.268%	0.576	0.556	96.208%	0.006	0.024	0.000	0.002
3	23:05:22	94.062%	0.489	0.493	96.992%	0.018	0.014	-0.020	-0.014
x		92.541%	0.546	0.515	95.854%	0.009	0.011	-0.001	-0.005
σ		1.988%	0.050	0.036	1.350%	0.008	0.014	0.019	0.008
%RSD		2.148	9.070	6.945	1.408	95.080	127.000	2715.000	183.800

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:03:56	91.265%	-0.570	0.030	0.038	0.145	0.090	91.464%	90.785%
2	23:04:39	93.449%	-0.492	0.054	0.050	0.236	0.262	94.245%	94.315%
3	23:05:22	94.044%	-0.586	0.046	0.015	0.186	0.171	95.175%	95.110%
x		92.919%	-0.549	0.044	0.035	0.189	0.174	93.628%	93.403%
σ		1.463%	0.050	0.012	0.018	0.046	0.086	1.931%	2.302%
%RSD		1.575	9.186	28.420	51.290	24.260	49.230	2.063	2.465

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:03:56	0.010	0.011	0.120	0.114	0.127	93.705%
2	23:04:39	0.042	0.024	0.153	0.128	0.145	96.578%
3	23:05:22	0.013	0.016	0.143	0.111	0.124	97.480%
x		0.021	0.017	0.139	0.118	0.132	95.921%
σ		0.018	0.006	0.017	0.009	0.011	1.972%
%RSD		82.150	37.540	12.230	7.783	8.635	2.056

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:08:17	91.373%	0.043	188.000	184.200	0.000	33750.000	16390.000	16780.000
2	23:09:00	90.902%	-0.013	178.400	183.200	0.000	33460.000	16850.000	17520.000
3	23:09:43	91.236%	0.072	192.100	188.300	0.000	33260.000	17110.000	17740.000
x		91.170%	0.034	186.200	185.300	0.000	33490.000	16780.000	17350.000
σ		0.242%	0.043	7.044	2.682	0.000	245.800	362.900	505.500
%RSD		0.265	127.200	3.784	1.448	0.000	0.734	2.162	2.914

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:08:17	9.084	11000.000	0.000	4692.000	204900.000	217200.000	85.813%	2.042
2	23:09:00	8.909	11210.000	0.000	4648.000	206400.000	217000.000	85.821%	1.859
3	23:09:43	8.621	11230.000	0.000	4594.000	202900.000	215300.000	85.835%	1.857
x		8.871	11150.000	0.000	4645.000	204700.000	216500.000	85.823%	1.919
σ		0.234	125.400	0.000	49.250	1734.000	1044.000	0.011%	0.106
%RSD		2.636	1.125	0.000	1.060	0.847	0.482	0.013	5.524

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:08:17	2.399	2.998	520.500	381.400	1030.000	0.192	-0.028	0.968
2	23:09:00	4.268	2.840	531.600	377.600	1005.000	0.202	-0.145	0.875
3	23:09:43	5.857	3.194	531.600	376.700	981.600	0.191	-0.083	0.802
x		4.175	3.011	527.900	378.600	1005.000	0.195	-0.085	0.882
σ		1.731	0.177	6.417	2.486	24.190	0.006	0.059	0.083
%RSD		41.460	5.894	1.216	0.657	2.406	3.059	68.710	9.396

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:08:17	1.060	2.616	2.745	2.455	0.279	0.852	0.000	270.400
2	23:09:00	1.238	2.243	2.290	2.598	-0.907	-0.633	0.000	272.300
3	23:09:43	1.118	2.611	2.455	3.172	-1.571	3.183	0.000	272.500
x		1.139	2.490	2.497	2.741	-0.733	1.134	0.000	271.700
σ		0.091	0.214	0.230	0.379	0.938	1.923	0.000	1.183
%RSD		7.982	8.591	9.231	13.840	127.900	169.600	0.000	0.435

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:08:17	89.134%	4.421	4.556	85.861%	-0.000	0.002	-0.045	-0.050
2	23:09:00	91.203%	4.532	4.385	90.083%	-0.004	0.014	-0.115	-0.050
3	23:09:43	92.397%	4.326	4.289	91.131%	-0.015	-0.003	-0.031	-0.045
x		90.911%	4.427	4.410	89.025%	-0.006	0.004	-0.063	-0.048
σ		1.651%	0.103	0.135	2.789%	0.008	0.009	0.045	0.003
%RSD		1.816	2.330	3.070	3.133	124.900	198.900	71.260	6.431

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:08:17	87.630%	4.150	0.232	0.293	37.050	35.770	92.468%	92.668%
2	23:09:00	90.652%	3.539	0.175	0.137	36.540	36.320	95.165%	95.738%
3	23:09:43	90.476%	3.246	0.102	0.104	36.320	36.560	96.152%	96.459%
x		89.586%	3.645	0.170	0.178	36.630	36.220	94.595%	94.955%
σ		1.696%	0.461	0.065	0.101	0.374	0.405	1.907%	2.013%
%RSD		1.893	12.650	38.390	56.530	1.022	1.118	2.016	2.120

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:08:17	0.069	0.075	0.189	0.165	0.182	94.926%
2	23:09:00	0.040	0.037	0.144	0.126	0.139	96.088%
3	23:09:43	0.046	0.046	0.146	0.150	0.138	96.663%
x		0.051	0.053	0.160	0.147	0.153	95.893%
σ		0.015	0.020	0.026	0.020	0.025	0.885%
%RSD		29.580	37.900	16.050	13.350	16.530	0.923

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:12:35	87.486%	-0.011	227.200	234.700	0.000	22140.000	392800.000	404000.000
2	23:13:18	87.617%	0.062	241.900	233.600	0.000	21820.000	402900.000	413500.000
3	23:14:01	86.935%	0.018	227.900	231.500	0.000	21650.000	405200.000	415700.000
x		87.346%	0.023	232.300	233.300	0.000	21870.000	400300.000	411000.000
σ		0.362%	0.037	8.282	1.628	0.000	251.200	6596.000	6236.000
%RSD		0.414	160.400	3.565	0.698	0.000	1.149	1.648	1.517

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:12:35	35.970	40700.000	0.000	4018.000	506400.000	536800.000	82.207%	4.506
2	23:13:18	36.550	40910.000	0.000	3904.000	498300.000	531100.000	82.640%	4.140
3	23:14:01	36.470	41070.000	0.000	3886.000	496500.000	529900.000	83.106%	4.265
x		36.330	40890.000	0.000	3936.000	500400.000	532600.000	82.651%	4.303
σ		0.317	181.600	0.000	71.250	5249.000	3674.000	0.450%	0.186
%RSD		0.872	0.444	0.000	1.810	1.049	0.690	0.544	4.326

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:12:35	5.412	5.652	144.700	13340.000	14240.000	0.663	0.086	0.995
2	23:13:18	7.131	5.585	146.100	13340.000	14140.000	0.599	0.198	0.929
3	23:14:01	6.950	5.425	145.300	13280.000	14040.000	0.606	0.310	1.029
x		6.498	5.554	145.400	13320.000	14140.000	0.622	0.198	0.985
σ		0.945	0.117	0.736	33.270	102.100	0.035	0.112	0.051
%RSD		14.540	2.097	0.506	0.250	0.722	5.628	56.450	5.155

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:12:35	2.289	7.429	6.217	19.100	-1.597	3.909	0.000	1041.000
2	23:13:18	1.910	6.730	6.327	20.120	-2.586	4.014	0.000	1042.000
3	23:14:01	2.042	6.968	5.952	19.970	-2.915	1.144	0.000	1043.000
x		2.080	7.042	6.165	19.730	-2.366	3.022	0.000	1042.000
σ		0.193	0.355	0.193	0.550	0.686	1.627	0.000	0.993
%RSD		9.252	5.047	3.130	2.789	29.000	53.850	0.000	0.095

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:12:35	88.093%	4.845	4.793	82.106%	-0.006	-0.005	0.067	0.128
2	23:13:18	91.053%	4.755	4.987	84.544%	-0.004	-0.003	0.011	0.079
3	23:14:01	91.706%	4.677	4.882	84.993%	-0.008	0.002	0.053	0.063
x		90.284%	4.759	4.887	83.881%	-0.006	-0.002	0.044	0.090
σ		1.925%	0.084	0.097	1.553%	0.002	0.003	0.029	0.034
%RSD		2.133	1.767	1.983	1.852	28.220	172.700	66.650	37.340

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:12:35	84.704%	3.489	0.062	0.095	26.750	26.050	90.551%	91.097%
2	23:13:18	86.943%	3.720	0.047	0.063	27.100	26.830	94.005%	94.356%
3	23:14:01	86.849%	3.519	0.047	0.073	26.820	27.150	94.561%	96.273%
x		86.165%	3.576	0.052	0.077	26.890	26.680	93.039%	93.909%
σ		1.266%	0.126	0.009	0.016	0.184	0.566	2.173%	2.616%
%RSD		1.470	3.515	16.450	20.960	0.683	2.121	2.335	2.786

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:12:35	0.010	0.025	0.252	0.230	0.259	89.682%
2	23:13:18	0.016	0.015	0.225	0.203	0.217	92.577%
3	23:14:01	0.015	0.012	0.217	0.201	0.214	93.230%
x		0.014	0.017	0.231	0.211	0.230	91.830%
σ		0.003	0.007	0.018	0.016	0.025	1.888%
%RSD		22.460	38.730	7.931	7.796	10.880	2.056

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:16:54	90.625%	-0.042	199.900	195.900	0.000	80880.000	129.600	144.300
2	23:17:37	89.707%	0.059	202.100	203.100	0.000	81010.000	133.300	137.100
3	23:18:21	89.665%	0.074	205.600	197.300	0.000	80600.000	130.900	134.800
x		89.999%	0.030	202.500	198.700	0.000	80830.000	131.300	138.700
σ		0.543%	0.063	2.887	3.816	0.000	209.900	1.870	4.961
%RSD		0.603	206.200	1.425	1.920	0.000	0.260	1.425	3.577

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:16:54	229.600	2333.000	0.000	16200.000	258500.000	274500.000	87.150%	1.848
2	23:17:37	230.700	2367.000	0.000	15990.000	256100.000	275900.000	88.091%	1.562
3	23:18:21	235.200	2370.000	0.000	16010.000	258200.000	275200.000	86.878%	1.726
x		231.800	2356.000	0.000	16070.000	257600.000	275200.000	87.373%	1.712
σ		2.960	20.390	0.000	116.700	1288.000	693.800	0.636%	0.143
%RSD		1.277	0.865	0.000	0.726	0.500	0.252	0.728	8.365

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:16:54	19.960	4.793	13.520	162.500	965.700	0.253	0.117	1.130
2	23:17:37	22.970	4.337	13.460	151.600	954.000	0.234	-0.221	1.037
3	23:18:21	21.980	3.989	13.510	148.900	921.500	0.227	-0.090	1.099
x		21.640	4.373	13.500	154.300	947.100	0.238	-0.064	1.089
σ		1.529	0.403	0.031	7.227	22.930	0.014	0.170	0.047
%RSD		7.067	9.223	0.227	4.683	2.421	5.748	264.100	4.336

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:16:54	1.282	2.566	2.033	1.823	2.935	6.293	0.000	692.100
2	23:17:37	1.163	2.625	2.360	3.888	1.717	4.607	0.000	682.100
3	23:18:21	1.303	2.374	1.938	6.739	1.464	8.930	0.000	693.100
x		1.249	2.522	2.110	4.150	2.039	6.610	0.000	689.100
σ		0.076	0.131	0.222	2.468	0.787	2.179	0.000	6.042
%RSD		6.063	5.207	10.500	59.480	38.600	32.970	0.000	0.877

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:16:54	92.670%	8.209	8.052	91.750%	-0.010	-0.008	0.007	-0.004
2	23:17:37	95.580%	8.466	8.183	93.265%	-0.016	-0.006	0.071	0.070
3	23:18:21	95.454%	8.307	8.093	93.625%	-0.013	-0.008	0.026	0.042
x		94.568%	8.327	8.110	92.880%	-0.013	-0.008	0.034	0.036
σ		1.645%	0.130	0.067	0.995%	0.003	0.001	0.033	0.037
%RSD		1.739	1.556	0.827	1.071	21.600	15.900	94.930	103.200

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:16:54	90.366%	2.026	0.007	0.066	169.600	170.400	94.841%	95.462%
2	23:17:37	92.124%	1.950	0.043	0.045	170.900	170.100	97.055%	98.408%
3	23:18:21	91.581%	1.937	0.056	0.053	174.100	170.800	98.161%	98.513%
x		91.357%	1.971	0.036	0.055	171.500	170.400	96.686%	97.461%
σ		0.900%	0.048	0.025	0.010	2.348	0.347	1.690%	1.732%
%RSD		0.986	2.440	70.540	18.610	1.369	0.204	1.748	1.777

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:16:54	-0.003	-0.003	0.094	0.072	0.084	93.811%
2	23:17:37	0.002	-0.007	0.089	0.069	0.068	96.253%
3	23:18:21	-0.001	0.001	0.057	0.063	0.069	96.907%
x		-0.001	-0.003	0.080	0.068	0.073	95.657%
σ		0.002	0.004	0.020	0.005	0.009	1.632%
%RSD		269.200	131.600	24.890	6.676	12.080	1.706

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:21:14	82.603%	-0.040	476.300	500.000	0.000	54060.000	1166000.000	1192000.000
2	23:21:57	83.197%	0.006	480.300	496.800	0.000	53950.000	1171000.000	1199000.000
3	23:22:40	82.947%	0.006	469.000	498.000	0.000	54200.000	1173000.000	1197000.000
x		82.916%	-0.009	475.200	498.300	0.000	54070.000	1170000.000	1196000.000
σ		0.298%	0.027	5.740	1.613	0.000	125.600	3658.000	3943.000
%RSD		0.360	288.500	1.208	0.324	0.000	0.232	0.313	0.330

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:21:14	33.940	17130.000	0.000	11620.000	1968000.000	1913000.000	82.523%	4.041
2	23:21:57	33.850	17230.000	0.000	11680.000	1976000.000	1923000.000	83.214%	4.062
3	23:22:40	34.080	17150.000	0.000	11590.000	1971000.000	1913000.000	82.843%	3.818
x		33.960	17170.000	0.000	11630.000	1972000.000	1916000.000	82.860%	3.974
σ		0.117	52.130	0.000	43.060	3963.000	5769.000	0.345%	0.135
%RSD		0.345	0.304	0.000	0.370	0.201	0.301	0.417	3.403

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:21:14	2.554	5.398	4239.000	117400.000	123100.000	2.209	-7.052	1.322
2	23:21:57	3.495	5.834	4228.000	116900.000	122800.000	2.209	-6.958	1.417
3	23:22:40	5.331	5.785	4231.000	117000.000	123500.000	2.323	-6.859	1.406
x		3.794	5.672	4233.000	117100.000	123100.000	2.247	-6.956	1.382
σ		1.412	0.239	5.490	239.200	341.700	0.066	0.096	0.052
%RSD		37.230	4.214	0.130	0.204	0.278	2.928	1.382	3.757

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:21:14	3.932	2.901	1.160	25.580	0.296	7.352	0.000	9988.000
2	23:21:57	4.000	3.070	1.275	28.510	1.013	9.524	0.000	9978.000
3	23:22:40	3.970	2.834	0.700	30.770	1.387	10.430	0.000	9928.000
x		3.967	2.935	1.045	28.290	0.899	9.103	0.000	9965.000
σ		0.034	0.122	0.304	2.603	0.555	1.583	0.000	32.080
%RSD		0.855	4.147	29.140	9.202	61.720	17.390	0.000	0.322

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:21:14	86.646%	3.484	3.392	78.977%	0.007	0.002	0.189	0.078
2	23:21:57	88.185%	3.416	3.612	79.799%	0.002	-0.011	0.054	0.046
3	23:22:40	87.754%	3.155	3.394	79.819%	-0.015	-0.009	0.177	0.098
x		87.528%	3.352	3.466	79.532%	-0.002	-0.006	0.140	0.074
σ		0.794%	0.174	0.127	0.480%	0.011	0.007	0.075	0.026
%RSD		0.907	5.178	3.654	0.604	510.700	114.100	53.230	35.120

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:21:14	81.881%	5.136	0.011	0.323	109.900	108.000	84.912%	86.076%
2	23:21:57	83.262%	5.132	0.030	0.265	110.300	108.800	86.735%	86.630%
3	23:22:40	82.872%	4.917	-0.014	0.316	110.500	109.600	85.562%	86.561%
x		82.671%	5.062	0.009	0.301	110.200	108.800	85.736%	86.423%
σ		0.712%	0.126	0.022	0.031	0.340	0.821	0.924%	0.302%
%RSD		0.861	2.480	249.400	10.370	0.309	0.754	1.078	0.349

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:21:14	0.009	-0.001	0.161	0.152	0.155	79.207%
2	23:21:57	0.002	-0.001	0.143	0.122	0.129	79.811%
3	23:22:40	-0.014	0.001	0.129	0.124	0.121	78.369%
x		-0.001	-0.000	0.144	0.132	0.135	79.129%
σ		0.012	0.001	0.016	0.017	0.018	0.724%
%RSD		1037.000	481.700	11.260	12.550	13.090	0.915

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:25:34	90.935%	-0.013	55.580	58.300	0.000	5689.000	117100.000	118600.000
2	23:26:17	92.509%	-0.014	49.960	54.550	0.000	5503.000	116300.000	118700.000
3	23:27:00	92.018%	-0.028	54.290	53.110	0.000	5474.000	117200.000	119900.000
x		91.821%	-0.018	53.280	55.320	0.000	5555.000	116900.000	119100.000
σ		0.805%	0.008	2.942	2.680	0.000	116.800	465.900	744.300
%RSD		0.877	44.230	5.522	4.845	0.000	2.102	0.399	0.625

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:25:34	1.362	1676.000	0.000	1167.000	185400.000	194900.000	92.688%	0.499
2	23:26:17	1.060	1669.000	0.000	1155.000	183800.000	192600.000	93.118%	0.346
3	23:27:00	0.908	1675.000	0.000	1178.000	182800.000	193100.000	93.319%	0.312
x		1.110	1673.000	0.000	1167.000	184000.000	193500.000	93.042%	0.386
σ		0.231	3.713	0.000	11.330	1295.000	1202.000	0.322%	0.100
%RSD		20.830	0.222	0.000	0.971	0.704	0.621	0.346	25.820

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:25:34	-0.090	1.452	407.400	12300.000	12240.000	0.204	-0.427	0.194
2	23:26:17	2.121	1.206	408.100	12140.000	12160.000	0.186	-0.519	0.110
3	23:27:00	1.425	1.300	408.600	12080.000	12040.000	0.200	-0.572	0.104
x		1.152	1.319	408.000	12170.000	12150.000	0.197	-0.506	0.136
σ		1.130	0.124	0.599	112.900	102.800	0.010	0.074	0.050
%RSD		98.100	9.395	0.147	0.928	0.847	4.935	14.530	36.920

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:25:34	0.605	-0.064	-0.257	2.859	0.178	2.738	0.000	1003.000
2	23:26:17	0.503	0.044	-0.236	3.210	-1.028	6.089	0.000	1002.000
3	23:27:00	0.501	-0.012	-0.282	4.536	-0.421	5.155	0.000	998.900
x		0.536	-0.011	-0.259	3.535	-0.424	4.660	0.000	1001.000
σ		0.059	0.054	0.023	0.885	0.603	1.729	0.000	2.310
%RSD		11.040	512.600	8.845	25.030	142.200	37.110	0.000	0.231

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:25:34	95.585%	0.354	0.367	94.949%	-0.011	-0.008	0.012	0.030
2	23:26:17	97.237%	0.388	0.379	95.821%	-0.012	-0.009	0.031	0.019
3	23:27:00	98.405%	0.392	0.364	93.950%	-0.017	-0.006	0.035	0.015
x		97.076%	0.378	0.370	94.907%	-0.013	-0.008	0.026	0.021
σ		1.417%	0.021	0.008	0.936%	0.003	0.001	0.012	0.008
%RSD		1.459	5.592	2.102	0.987	25.430	15.640	46.490	37.200

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:25:34	90.545%	-0.764	-0.109	-0.091	11.170	10.750	93.480%	93.822%
2	23:26:17	92.996%	-0.742	-0.111	-0.107	11.950	11.170	96.478%	96.796%
3	23:27:00	94.076%	-0.771	-0.108	-0.103	11.520	10.960	97.619%	98.001%
x		92.539%	-0.759	-0.109	-0.101	11.550	10.960	95.859%	96.206%
σ		1.809%	0.015	0.002	0.008	0.391	0.210	2.138%	2.151%
%RSD		1.955	2.029	1.430	8.243	3.383	1.915	2.230	2.236

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:25:34	-0.020	-0.019	0.102	0.090	0.098	86.488%
2	23:26:17	-0.024	-0.020	0.058	0.053	0.054	88.771%
3	23:27:00	-0.029	-0.019	0.034	0.030	0.033	90.456%
x		-0.024	-0.020	0.065	0.058	0.062	88.572%
σ		0.004	0.001	0.035	0.031	0.034	1.991%
%RSD		17.580	2.643	53.620	53.100	54.340	2.248

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:29:54	91.161%	0.029	65.180	64.470	0.000	182300.000	1550.000	1595.000
2	23:30:37	93.078%	0.055	63.400	63.170	0.000	180200.000	1585.000	1628.000
3	23:31:20	93.414%	0.055	66.250	66.210	0.000	179600.000	1582.000	1622.000
x		92.551%	0.046	64.950	64.610	0.000	180700.000	1572.000	1615.000
σ		1.215%	0.015	1.442	1.525	0.000	1407.000	19.050	17.240
%RSD		1.313	32.370	2.220	2.360	0.000	0.779	1.212	1.068

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:29:54	439.500	5081.000	0.000	1498.000	10600.000	10390.000	90.653%	7.547
2	23:30:37	440.500	5114.000	0.000	1513.000	10870.000	10360.000	90.787%	7.752
3	23:31:20	446.900	5118.000	0.000	1510.000	10810.000	10420.000	90.534%	7.393
x		442.300	5104.000	0.000	1507.000	10760.000	10390.000	90.658%	7.564
σ		4.055	20.600	0.000	8.116	144.100	29.570	0.127%	0.180
%RSD		0.917	0.404	0.000	0.538	1.339	0.285	0.140	2.377

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:29:54	4.587	14.800	83.050	1388.000	1316.000	0.460	1.598	4.534
2	23:30:37	5.044	15.190	83.830	1369.000	1315.000	0.477	1.644	4.470
3	23:31:20	2.843	15.410	84.350	1366.000	1305.000	0.452	1.582	4.444
x		4.158	15.130	83.740	1374.000	1312.000	0.463	1.608	4.483
σ		1.162	0.312	0.653	12.120	6.341	0.013	0.032	0.046
%RSD		27.940	2.059	0.780	0.882	0.483	2.767	1.999	1.031

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:29:54	3.726	6.675	7.012	9.406	1.804	5.074	0.000	26.950
2	23:30:37	4.084	6.486	6.479	8.360	0.790	2.346	0.000	26.990
3	23:31:20	3.858	6.453	6.677	8.255	1.047	7.087	0.000	26.840
x		3.889	6.538	6.723	8.674	1.214	4.836	0.000	26.930
σ		0.181	0.120	0.270	0.636	0.527	2.379	0.000	0.078
%RSD		4.646	1.836	4.011	7.335	43.400	49.200	0.000	0.291

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:29:54	90.187%	5.047	5.106	90.011%	-0.011	0.007	0.040	0.117
2	23:30:37	92.051%	5.179	5.018	88.673%	-0.010	0.003	0.195	0.248
3	23:31:20	92.454%	5.089	5.191	91.238%	-0.010	0.004	0.146	0.196
x		91.564%	5.105	5.105	89.974%	-0.010	0.005	0.127	0.187
σ		1.210%	0.068	0.086	1.283%	0.001	0.002	0.080	0.066
%RSD		1.321	1.324	1.687	1.426	5.712	38.660	62.700	35.410

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:29:54	88.627%	1.695	0.030	0.034	9.425	9.124	89.211%	89.478%
2	23:30:37	90.518%	1.875	0.026	0.038	9.179	9.294	91.054%	91.444%
3	23:31:20	90.243%	2.038	0.022	0.023	8.997	8.986	91.968%	91.932%
x		89.796%	1.869	0.026	0.032	9.200	9.135	90.744%	90.952%
σ		1.022%	0.172	0.004	0.008	0.215	0.154	1.404%	1.299%
%RSD		1.138	9.180	15.200	24.610	2.333	1.690	1.548	1.428

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:29:54	0.007	0.014	1.128	1.015	1.084	90.969%
2	23:30:37	0.014	0.010	1.042	1.061	1.052	92.046%
3	23:31:20	0.021	0.003	1.138	1.103	1.089	91.956%
x		0.014	0.009	1.102	1.060	1.075	91.657%
σ		0.007	0.005	0.053	0.044	0.020	0.597%
%RSD		49.000	60.810	4.776	4.152	1.851	0.652

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:34:14	90.224%	-0.056	28.700	29.830	0.000	17080.000	12190.000	12510.000
2	23:34:57	90.619%	0.030	26.790	30.760	0.000	16610.000	12400.000	12780.000
3	23:35:40	89.282%	-0.041	30.940	30.250	0.000	16650.000	12590.000	13030.000
x		90.042%	-0.022	28.810	30.280	0.000	16780.000	12390.000	12770.000
σ		0.687%	0.046	2.079	0.468	0.000	259.500	198.200	256.400
%RSD		0.763	204.200	7.215	1.544	0.000	1.546	1.599	2.007

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:34:14	34.360	18780.000	0.000	1630.000	47890.000	45480.000	86.025%	2.853
2	23:34:57	34.250	18830.000	0.000	1619.000	47420.000	46430.000	85.697%	3.077
3	23:35:40	35.110	19110.000	0.000	1603.000	47650.000	46290.000	85.196%	2.967
x		34.570	18910.000	0.000	1617.000	47650.000	46060.000	85.639%	2.966
σ		0.464	180.500	0.000	13.600	236.700	515.600	0.417%	0.112
%RSD		1.341	0.955	0.000	0.841	0.497	1.119	0.487	3.791

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:34:14	2.645	4.999	61.820	866.300	1020.000	0.224	0.428	0.944
2	23:34:57	5.471	5.063	62.640	863.900	1005.000	0.248	0.379	0.811
3	23:35:40	7.228	4.691	62.840	862.100	1000.000	0.246	0.338	0.844
x		5.115	4.918	62.430	864.100	1009.000	0.239	0.382	0.866
σ		2.312	0.199	0.540	2.098	10.460	0.013	0.045	0.069
%RSD		45.210	4.049	0.865	0.243	1.037	5.456	11.870	7.991

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:34:14	0.993	8.562	8.157	50.030	-0.172	6.519	0.000	121.500
2	23:34:57	0.917	8.195	7.784	50.070	-1.333	4.295	0.000	122.700
3	23:35:40	0.785	7.923	8.626	48.010	-0.688	8.244	0.000	122.700
x		0.898	8.226	8.189	49.370	-0.731	6.353	0.000	122.300
σ		0.105	0.321	0.422	1.183	0.582	1.980	0.000	0.715
%RSD		11.690	3.900	5.153	2.395	79.610	31.160	0.000	0.585

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:34:14	86.773%	3.238	3.336	84.830%	0.013	0.005	0.283	0.207
2	23:34:57	88.892%	3.219	3.423	88.882%	0.004	0.007	0.350	0.389
3	23:35:40	89.200%	3.418	3.429	86.677%	-0.006	0.006	0.338	0.273
x		88.288%	3.292	3.396	86.796%	0.003	0.006	0.324	0.289
σ		1.321%	0.110	0.052	2.029%	0.009	0.001	0.036	0.092
%RSD		1.496	3.331	1.531	2.337	270.900	13.230	11.060	31.850

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:34:14	85.609%	1.683	0.022	0.017	85.140	84.810	86.953%	88.371%
2	23:34:57	86.555%	1.965	0.007	0.043	84.780	84.690	90.951%	91.299%
3	23:35:40	88.029%	1.884	0.021	0.020	85.100	84.280	91.841%	92.128%
x		86.731%	1.844	0.017	0.027	85.000	84.590	89.915%	90.599%
σ		1.220%	0.145	0.008	0.014	0.198	0.279	2.603%	1.973%
%RSD		1.406	7.890	48.050	52.670	0.233	0.330	2.895	2.178

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:34:14	-0.010	-0.013	0.228	0.224	0.206	88.606%
2	23:34:57	-0.006	-0.008	0.192	0.173	0.191	91.342%
3	23:35:40	-0.009	-0.008	0.206	0.170	0.193	92.881%
x		-0.008	-0.010	0.209	0.189	0.197	90.943%
σ		0.002	0.003	0.018	0.030	0.008	2.165%
%RSD		26.150	28.920	8.554	15.960	4.165	2.381

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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	23:38:35	87.029%	0.092	349.400	351.700	0.000	168400.000	31280.000	31860.000
2	23:39:18	86.286%	-0.041	355.300	357.300	0.000	167200.000	31920.000	32750.000
3	23:40:00	85.806%	0.004	340.500	347.600	0.000	165000.000	32110.000	32810.000
x		86.374%	0.019	348.400	352.200	0.000	166900.000	31770.000	32480.000
σ		0.616%	0.068	7.478	4.857	0.000	1691.000	434.300	530.700
%RSD		0.713	364.000	2.146	1.379	0.000	1.013	1.367	1.634

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:38:35	4.480	11750.000	0.000	15720.000	186600.000	197400.000	84.712%	1.372
2	23:39:18	4.801	11950.000	0.000	15570.000	186200.000	197000.000	84.848%	1.296
3	23:40:00	4.359	11860.000	0.000	15470.000	185400.000	197500.000	83.933%	1.475
x		4.547	11850.000	0.000	15590.000	186100.000	197300.000	84.498%	1.381
σ		0.229	99.250	0.000	128.100	585.000	251.500	0.494%	0.090
%RSD		5.024	0.837	0.000	0.822	0.314	0.128	0.584	6.530

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:38:35	2.208	4.044	564.000	82.510	682.600	0.917	0.480	1.315
2	23:39:18	3.821	3.771	571.900	80.280	675.400	0.829	0.558	1.223
3	23:40:00	5.703	3.719	574.200	79.420	648.600	0.864	0.662	1.347
x		3.911	3.845	570.100	80.730	668.800	0.870	0.567	1.295
σ		1.749	0.174	5.380	1.593	17.910	0.044	0.091	0.064
%RSD		44.730	4.535	0.944	1.973	2.678	5.102	16.110	4.975

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:38:35	1.177	1.326	1.490	6.554	0.866	7.052	0.000	461.600
2	23:39:18	1.278	1.671	1.386	4.750	-0.482	6.172	0.000	460.000
3	23:40:00	1.077	1.706	1.747	8.528	-0.874	5.363	0.000	458.200
x		1.177	1.568	1.541	6.611	-0.164	6.196	0.000	459.900
σ		0.100	0.210	0.186	1.890	0.912	0.845	0.000	1.685
%RSD		8.528	13.390	12.060	28.590	558.100	13.640	0.000	0.366

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:38:35	87.876%	13.220	13.290	83.891%	-0.019	-0.012	-0.003	0.025
2	23:39:18	89.868%	12.720	13.320	85.320%	-0.010	-0.006	0.058	0.055
3	23:40:00	90.255%	12.760	12.870	84.003%	-0.011	-0.006	0.025	0.059
x		89.333%	12.900	13.160	84.405%	-0.014	-0.008	0.027	0.047
σ		1.276%	0.281	0.252	0.795%	0.005	0.003	0.030	0.019
%RSD		1.429	2.178	1.915	0.942	36.010	39.900	113.000	39.780

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:38:35	85.820%	1.310	0.372	0.334	82.020	80.090	89.681%	89.877%
2	23:39:18	87.702%	1.436	0.382	0.318	81.740	80.240	91.882%	92.132%
3	23:40:00	87.175%	1.326	0.390	0.345	81.820	81.210	92.110%	92.454%
x		86.899%	1.357	0.381	0.332	81.860	80.510	91.224%	91.487%
σ		0.971%	0.069	0.009	0.014	0.145	0.609	1.342%	1.404%
%RSD		1.117	5.069	2.370	4.108	0.177	0.756	1.471	1.535

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:38:35	0.004	-0.002	0.075	0.071	0.065	88.411%
2	23:39:18	0.019	0.011	0.056	0.051	0.059	90.768%
3	23:40:00	0.015	0.015	0.064	0.035	0.056	90.867%
x		0.013	0.008	0.065	0.052	0.060	90.015%
σ		0.008	0.009	0.010	0.018	0.005	1.390%
%RSD		61.060	111.300	14.780	34.420	8.385	1.545

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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	23:42:55	80.827%	0.039	108.100	105.800	0.000	11630.000	384200.000	388400.000
2	23:43:38	82.692%	0.037	104.700	111.600	0.000	11510.000	384500.000	388800.000
3	23:44:21	83.050%	0.021	101.600	110.000	0.000	11640.000	387200.000	391100.000
x		82.190%	0.033	104.800	109.100	0.000	11590.000	385300.000	389500.000
σ		1.193%	0.010	3.284	2.994	0.000	74.020	1690.000	1454.000
%RSD		1.452	29.980	3.133	2.744	0.000	0.639	0.439	0.373

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:55	9.029	2905.000	0.000	3194.000	1430000.000	1377000.000	84.317%	0.901
2	23:43:38	8.985	2924.000	0.000	3228.000	1444000.000	1380000.000	85.880%	0.812
3	23:44:21	9.039	2926.000	0.000	3244.000	1455000.000	1393000.000	86.158%	0.773
x		9.018	2918.000	0.000	3222.000	1443000.000	1384000.000	85.452%	0.828
σ		0.029	11.780	0.000	25.780	12880.000	8250.000	0.992%	0.066
%RSD		0.319	0.404	0.000	0.800	0.893	0.596	1.161	7.946

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:55	1.662	1.154	801.800	129700.000	133600.000	1.337	-6.035	0.156
2	23:43:38	1.366	1.183	803.700	129100.000	133400.000	1.434	-6.204	0.087
3	23:44:21	1.129	1.035	812.000	130700.000	135300.000	1.313	-6.413	0.135
x		1.386	1.124	805.800	129800.000	134100.000	1.361	-6.217	0.126
σ		0.267	0.078	5.401	826.800	1018.000	0.064	0.189	0.035
%RSD		19.280	6.960	0.670	0.637	0.759	4.725	3.044	28.120

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:55	1.651	0.665	0.299	14.730	1.425	7.727	0.000	1118.000
2	23:43:38	1.671	0.635	-0.058	13.920	0.553	6.769	0.000	1109.000
3	23:44:21	1.900	0.849	0.022	13.530	1.363	8.868	0.000	1120.000
x		1.741	0.717	0.088	14.060	1.114	7.788	0.000	1116.000
σ		0.139	0.116	0.187	0.610	0.487	1.051	0.000	5.761
%RSD		7.959	16.170	213.000	4.336	43.730	13.490	0.000	0.516

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:55	85.148%	0.218	0.205	77.882%	-0.010	-0.003	0.013	0.003
2	23:43:38	87.697%	0.184	0.168	81.174%	-0.013	-0.006	0.039	0.023
3	23:44:21	87.955%	0.169	0.177	81.859%	-0.014	-0.007	0.050	0.044
x		86.934%	0.190	0.183	80.305%	-0.012	-0.005	0.034	0.023
σ		1.551%	0.025	0.019	2.126%	0.002	0.002	0.019	0.020
%RSD		1.785	13.360	10.590	2.647	17.960	42.150	55.670	86.870

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:55	79.997%	-0.430	-0.091	-0.085	56.630	56.790	83.785%	84.220%
2	23:43:38	81.857%	-0.505	-0.095	-0.097	57.330	57.350	86.041%	86.114%
3	23:44:21	83.305%	-0.469	-0.108	-0.099	57.180	55.440	86.612%	87.199%
x		81.720%	-0.468	-0.098	-0.094	57.040	56.530	85.479%	85.845%
σ		1.658%	0.038	0.009	0.007	0.367	0.981	1.495%	1.507%
%RSD		2.029	8.064	8.994	7.696	0.643	1.736	1.749	1.756

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:55	-0.016	-0.018	0.090	0.090	0.095	73.179%
2	23:43:38	-0.020	-0.019	0.090	0.063	0.081	75.345%
3	23:44:21	-0.014	-0.021	0.051	0.086	0.066	76.091%
x		-0.017	-0.019	0.077	0.080	0.081	74.872%
σ		0.003	0.001	0.023	0.015	0.015	1.513%
%RSD		16.870	7.059	29.430	18.360	18.020	2.020

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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	23:47:17	88.399%	-0.027	5.890	6.506	0.000	160.600	150.900	155.400
2	23:47:59	90.311%	0.016	4.422	5.370	0.000	147.200	121.300	129.800
3	23:48:42	91.832%	-0.014	3.585	5.148	0.000	142.500	120.000	123.400
x		90.180%	-0.008	4.632	5.674	0.000	150.100	130.700	136.200
σ		1.720%	0.022	1.166	0.729	0.000	9.424	17.460	16.980
%RSD		1.908	266.400	25.180	12.840	0.000	6.279	13.350	12.460

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:47:17	3.539	67.070	0.000	41.440	682.000	646.200	85.525%	1.616
2	23:47:59	3.457	67.550	0.000	40.190	508.500	536.800	85.884%	1.825
3	23:48:42	3.603	67.860	0.000	37.580	540.900	550.500	87.091%	1.729
x		3.533	67.500	0.000	39.740	577.100	577.800	86.167%	1.723
σ		0.073	0.401	0.000	1.969	92.290	59.580	0.820%	0.105
%RSD		2.067	0.594	0.000	4.954	15.990	10.310	0.952	6.061

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:47:17	2.024	5.099	3.775	235.300	231.800	0.040	2.018	0.838
2	23:47:59	3.555	5.341	3.888	150.900	144.800	0.059	2.113	0.764
3	23:48:42	3.597	5.252	3.922	124.700	117.800	0.032	2.006	0.796
x		3.058	5.231	3.862	170.300	164.800	0.043	2.046	0.799
σ		0.896	0.123	0.077	57.810	59.570	0.014	0.059	0.037
%RSD		29.310	2.343	1.986	33.940	36.140	32.050	2.873	4.658

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:47:17	0.965	2.166	2.061	1.202	2.080	5.548	0.000	1.116
2	23:47:59	0.833	2.202	2.263	2.095	0.435	4.246	0.000	0.940
3	23:48:42	0.890	2.332	2.375	3.101	0.279	7.634	0.000	0.980
x		0.896	2.233	2.233	2.132	0.931	5.809	0.000	1.012
σ		0.066	0.087	0.159	0.950	0.998	1.709	0.000	0.092
%RSD		7.367	3.905	7.125	44.550	107.200	29.430	0.000	9.110

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:47:17	84.806%	0.758	0.743	83.891%	-0.016	-0.009	0.013	0.032
2	23:47:59	87.022%	0.776	0.688	85.908%	-0.013	-0.011	-0.001	0.013
3	23:48:42	87.663%	0.750	0.695	89.868%	-0.015	-0.010	0.049	0.024
x		86.497%	0.761	0.709	86.556%	-0.014	-0.010	0.020	0.023
σ		1.499%	0.013	0.030	3.041%	0.002	0.001	0.026	0.010
%RSD		1.733	1.755	4.171	3.513	11.560	12.810	128.500	42.040

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:47:17	85.406%	0.730	-0.080	-0.087	0.253	0.195	84.942%	85.445%
2	23:47:59	87.154%	0.798	-0.082	-0.083	0.200	0.226	87.339%	87.825%
3	23:48:42	87.289%	0.671	-0.079	-0.077	0.095	0.225	88.235%	88.099%
x		86.616%	0.733	-0.080	-0.082	0.183	0.215	86.839%	87.123%
σ		1.050%	0.063	0.002	0.005	0.080	0.018	1.702%	1.460%
%RSD		1.213	8.657	2.209	6.027	44.020	8.162	1.960	1.676

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:47:17	-0.016	-0.020	0.110	0.119	0.116	87.106%
2	23:47:59	-0.013	-0.017	0.091	0.113	0.106	88.734%
3	23:48:42	-0.015	-0.016	0.070	0.075	0.076	89.357%
x		-0.014	-0.018	0.091	0.102	0.099	88.399%
σ		0.002	0.002	0.020	0.023	0.021	1.162%
%RSD		12.260	12.680	22.100	22.920	20.650	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	23:54:33	87.635%	98.460	97.880	96.650	0.000	49350.000	50270.000	50560.000
2	23:55:16	87.374%	96.630	101.800	97.550	0.000	48930.000	51060.000	51330.000
3	23:55:59	89.183%	96.110	96.640	98.050	0.000	47910.000	50520.000	51020.000
x		88.064%	97.064%	98.781%	97.418%	0.000	97.466%	101.232%	101.946%
σ		0.978%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.110	1.272	2.732	0.728	0.000	1.525	0.802	0.762

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:54:33	490.300	5059.000	0.000	50450.000	47880.000	46350.000	89.152%	97.130
2	23:55:16	498.800	5015.000	0.000	50870.000	48950.000	46830.000	89.665%	101.600
3	23:55:59	496.700	5061.000	0.000	50550.000	48760.000	46220.000	89.915%	99.800
x		99.051%	100.899%	0.000	101.250%	97.056%	92.929%	89.577%	99.522%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.389%	n/a
%RSD		0.896	0.519	0.000	0.431	1.172	0.689	0.434	2.276

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:54:33	96.870	98.590	484.300	25330.000	24330.000	97.920	98.000	97.350
2	23:55:16	98.080	98.710	489.500	25380.000	24430.000	97.250	97.450	98.170
3	23:55:59	97.770	98.170	491.300	25530.000	24570.000	96.850	99.070	98.220
x		97.573%	98.490%	97.675%	101.663%	97.772%	97.339%	98.176%	97.913%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.641	0.284	0.747	0.395	0.495	0.555	0.840	0.495

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:54:33	97.640	98.900	96.880	99.160	96.790	100.400	0.000	96.270
2	23:55:16	97.360	97.960	97.440	99.190	96.490	101.300	0.000	97.090
3	23:55:59	97.970	96.830	98.530	97.610	97.250	100.800	0.000	96.860
x		97.656%	97.894%	97.617%	98.654%	96.843%	100.841%	0.000	96.739%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.315	1.060	0.864	0.912	0.396	0.461	0.000	0.439

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:54:33	87.907%	94.600	95.090	84.518%	98.660	98.470	98.330	98.560
2	23:55:16	89.611%	98.630	97.800	88.982%	96.130	96.870	97.280	98.010
3	23:55:59	90.615%	99.440	99.800	89.703%	96.330	96.310	96.600	98.350
x		89.378%	97.555%	97.563%	87.734%	97.042%	97.216%	97.404%	98.306%
σ		1.369%	n/a	n/a	2.809%	n/a	n/a	n/a	n/a
%RSD		1.532	2.657	2.425	3.201	1.449	1.153	0.893	0.284

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:54:33	85.496%	94.740	97.320	97.160	100.000	98.910	86.374%	86.919%
2	23:55:16	88.188%	95.490	97.050	97.170	99.320	98.170	89.689%	89.871%
3	23:55:59	89.114%	95.890	96.980	97.950	100.200	99.030	90.624%	91.185%
x		87.599%	95.374%	97.117%	97.428%	99.863%	98.702%	88.896%	89.325%
σ		1.880%	n/a	n/a	n/a	n/a	n/a	2.233%	2.185%
%RSD		2.146	0.612	0.180	0.467	0.485	0.472	2.512	2.446

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:54:33	95.980	95.950	96.260	96.520	96.240	86.167%
2	23:55:16	97.410	97.340	98.200	98.920	98.170	87.978%
3	23:55:59	98.150	97.880	97.920	98.520	98.180	88.879%
x		97.181%	97.054%	97.459%	97.985%	97.529%	87.675%
σ		n/a	n/a	n/a	n/a	n/a	1.381%
%RSD		1.132	1.026	1.079	1.312	1.145	1.575

CCB8 8/24/2012 12:01:08 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	00:01:51	93.298%	0.055	3.314	2.751	0.000	11.890	7.870	7.430
2	00:02:34	93.023%	0.013	3.876	2.463	0.000	11.440	7.278	7.512
3	00:03:17	94.238%	0.013	2.997	2.168	0.000	18.720	21.090	20.310
x		93.519%	0.027	3.396	2.461	0.000	14.010	12.080	11.750
σ		0.637%	0.024	0.446	0.291	0.000	4.081	7.809	7.414
%RSD		0.681	89.620	13.120	11.840	0.000	29.120	64.650	63.090

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:01:51	-0.060	3.114	0.000	30.290	-28.120	-10.010	91.858%	0.114
2	00:02:34	0.384	3.803	0.000	26.660	-25.080	-14.520	92.475%	0.013
3	00:03:17	-0.076	4.428	0.000	27.790	-9.707	15.410	93.503%	0.095
x		0.083	3.782	0.000	28.250	-20.970	-3.042	92.612%	0.074
σ		0.261	0.657	0.000	1.860	9.870	16.140	0.831%	0.054
%RSD		316.900	17.380	0.000	6.584	47.070	530.600	0.898	72.850

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:01:51	0.264	0.205	0.101	26.620	30.630	0.014	-0.039	0.059
2	00:02:34	0.769	0.174	0.122	21.090	19.090	0.009	-0.006	0.018
3	00:03:17	0.163	0.209	0.236	21.970	18.410	0.022	0.031	-0.004
x		0.399	0.196	0.153	23.230	22.710	0.015	-0.005	0.024
σ		0.325	0.019	0.073	2.970	6.867	0.007	0.035	0.032
%RSD		81.490	9.890	47.550	12.790	30.240	45.210	757.300	131.500

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:01:51	0.047	-0.506	-0.590	0.589	-0.363	0.784	0.000	0.061
2	00:02:34	0.056	-0.322	-0.559	0.440	-1.889	0.379	0.000	0.051
3	00:03:17	0.086	-0.364	-0.525	0.029	-1.292	1.223	0.000	0.122
x		0.063	-0.397	-0.558	0.353	-1.182	0.795	0.000	0.078
σ		0.020	0.097	0.032	0.290	0.769	0.422	0.000	0.038
%RSD		32.500	24.310	5.791	82.130	65.090	53.080	0.000	49.050

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:01:51	98.380%	0.598	0.579	87.945%	0.007	0.000	0.048	0.031
2	00:02:34	101.611%	0.490	0.526	94.226%	0.000	0.007	-0.031	-0.006
3	00:03:17	101.942%	0.430	0.433	94.833%	0.002	0.006	-0.009	0.018
x		100.644%	0.506	0.512	92.335%	0.003	0.004	0.003	0.014
σ		1.967%	0.085	0.074	3.814%	0.004	0.004	0.041	0.019
%RSD		1.955	16.770	14.390	4.131	121.700	83.740	1481.000	134.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:01:51	87.692%	-0.516	0.061	0.041	0.102	0.122	87.509%	87.729%
2	00:02:34	89.873%	-0.571	0.013	0.030	0.117	0.118	89.758%	89.928%
3	00:03:17	90.895%	-0.676	0.006	-0.003	0.134	0.149	90.240%	91.158%
x		89.487%	-0.588	0.027	0.023	0.117	0.130	89.169%	89.605%
σ		1.636%	0.081	0.030	0.023	0.016	0.017	1.458%	1.737%
%RSD		1.828	13.830	111.600	101.300	13.760	12.850	1.635	1.939

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:01:51	0.011	0.007	0.140	0.117	0.128	89.547%
2	00:02:34	0.004	0.001	0.089	0.098	0.089	91.187%
3	00:03:17	0.009	0.014	0.123	0.091	0.106	92.096%
x		0.008	0.008	0.117	0.102	0.108	90.943%
σ		0.004	0.006	0.026	0.014	0.019	1.292%
%RSD		43.830	84.070	22.290	13.390	17.830	1.421

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:06:13	92.616%	0.014	2.692	2.419	0.000	9.223	8.111	8.183
2	00:06:56	93.707%	-0.015	1.644	2.049	0.000	8.371	7.168	8.586
3	00:07:39	93.106%	-0.028	2.022	2.412	0.000	7.150	8.742	7.947
x		93.143%	-0.010	2.119	2.294	0.000	8.248	8.007	8.239
σ		0.547%	0.021	0.531	0.212	0.000	1.042	0.792	0.323
%RSD		0.587	221.000	25.060	9.227	0.000	12.640	9.895	3.922

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:06:13	-1.480	3.800	0.000	15.350	-23.360	-10.630	91.961%	0.148
2	00:06:56	-1.406	3.718	0.000	11.350	-28.370	-12.360	93.012%	0.179
3	00:07:39	-1.450	4.451	0.000	7.717	-20.880	-12.400	94.364%	0.111
x		-1.445	3.990	0.000	11.470	-24.200	-11.800	93.112%	0.146
σ		0.037	0.402	0.000	3.820	3.813	1.009	1.205%	0.034
%RSD		2.595	10.070	0.000	33.290	15.750	8.553	1.294	23.520

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:06:13	0.621	0.363	0.130	19.920	21.530	0.020	-0.052	0.113
2	00:06:56	0.298	0.299	0.136	16.410	13.050	0.004	-0.019	0.017
3	00:07:39	0.270	0.305	0.140	13.690	10.270	0.008	-0.055	0.020
x		0.396	0.322	0.135	16.670	14.950	0.011	-0.042	0.050
σ		0.195	0.035	0.005	3.125	5.867	0.008	0.020	0.055
%RSD		49.110	10.930	3.840	18.740	39.250	73.740	47.130	108.800

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:06:13	0.065	-0.351	-0.473	0.565	-0.930	-2.427	0.000	0.090
2	00:06:56	0.110	-0.306	-0.475	0.090	-0.807	0.253	0.000	0.107
3	00:07:39	0.122	-0.309	-0.490	0.223	-2.483	-1.964	0.000	0.092
x		0.099	-0.322	-0.479	0.293	-1.407	-1.379	0.000	0.096
σ		0.030	0.025	0.010	0.245	0.934	1.432	0.000	0.009
%RSD		30.620	7.821	2.005	83.730	66.380	103.800	0.000	9.555

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:06:13	98.688%	0.265	0.215	92.124%	-0.004	0.011	-0.031	-0.021
2	00:06:56	101.178%	0.202	0.209	94.116%	-0.005	0.003	0.061	0.043
3	00:07:39	102.626%	0.232	0.188	95.060%	-0.003	0.002	0.005	0.000
x		100.831%	0.233	0.204	93.767%	-0.004	0.005	0.011	0.007
σ		1.992%	0.031	0.014	1.499%	0.001	0.005	0.046	0.032
%RSD		1.975	13.390	7.010	1.599	25.420	92.450	407.500	438.200

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:06:13	87.078%	-0.555	-0.001	-0.023	0.018	0.023	87.488%	87.815%
2	00:06:56	90.544%	-0.623	-0.007	-0.035	-0.010	0.027	91.039%	90.937%
3	00:07:39	91.216%	-0.678	-0.019	-0.037	0.057	0.034	91.911%	92.185%
x		89.613%	-0.619	-0.009	-0.032	0.022	0.028	90.146%	90.313%
σ		2.221%	0.061	0.009	0.008	0.034	0.005	2.343%	2.251%
%RSD		2.478	9.932	99.720	24.200	158.000	19.420	2.599	2.492

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:06:13	0.016	0.017	0.097	0.095	0.096	92.896%
2	00:06:56	0.019	0.015	0.046	0.068	0.055	92.780%
3	00:07:39	0.017	0.014	0.046	0.056	0.049	93.748%
x		0.017	0.015	0.063	0.073	0.067	93.141%
σ		0.002	0.002	0.029	0.020	0.026	0.529%
%RSD		10.520	11.560	46.410	27.110	38.310	0.568

LCS 180-44571/2-A 8/24/2012 12:09:51 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:10:33	90.263%	46.870	956.700	946.900	0.000	45390.000	49010.000	49920.000
2	00:11:16	92.602%	46.130	964.600	954.500	0.000	45320.000	49910.000	50860.000
3	00:11:59	93.854%	45.360	975.000	968.900	0.000	44980.000	49820.000	50930.000
x		92.239%	46.120	965.400	956.800	0.000	45230.000	49580.000	50570.000
σ		1.823%	0.752	9.147	11.160	0.000	219.600	496.000	562.900
%RSD		1.976	1.630	0.947	1.166	0.000	0.486	1.000	1.113

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:10:33	1911.000	9756.000	0.000	48620.000	47810.000	44700.000	84.343%	982.400
2	00:11:16	1952.000	9918.000	0.000	48940.000	48040.000	46480.000	85.452%	996.900
3	00:11:59	1918.000	9891.000	0.000	48830.000	48170.000	45460.000	86.036%	994.700
x		1927.000	9855.000	0.000	48800.000	48010.000	45550.000	85.277%	991.300
σ		22.010	87.000	0.000	162.400	185.900	889.500	0.860%	7.829
%RSD		1.142	0.883	0.000	0.333	0.387	1.953	1.008	0.790

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:10:33	493.300	199.400	489.100	963.500	1152.000	471.900	467.300	238.500
2	00:11:16	498.600	202.000	494.600	1073.000	1157.000	477.800	475.100	239.600
3	00:11:59	501.600	204.400	499.800	1072.000	1158.000	478.200	472.600	239.500
x		497.800	201.900	494.500	1036.000	1156.000	476.000	471.700	239.200
σ		4.177	2.463	5.383	62.920	3.451	3.578	3.945	0.613
%RSD		0.839	1.220	1.089	6.073	0.299	0.752	0.836	0.257

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:10:33	237.200	465.800	464.500	39.530	11.450	13.530	0.000	932.000
2	00:11:16	238.800	469.900	469.200	40.620	9.513	11.610	0.000	934.900
3	00:11:59	238.400	470.100	465.900	38.340	9.643	10.660	0.000	936.000
x		238.100	468.600	466.500	39.500	10.200	11.930	0.000	934.300
σ		0.848	2.404	2.437	1.143	1.082	1.467	0.000	2.097
%RSD		0.356	0.513	0.522	2.894	10.610	12.290	0.000	0.224

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:10:33	89.499%	983.900	1006.000	80.511%	44.860	45.430	49.110	44.950
2	00:11:16	92.296%	995.000	1007.000	84.311%	44.960	44.910	48.860	46.190
3	00:11:59	92.781%	994.800	1017.000	84.398%	44.710	44.660	49.370	46.090
x		91.525%	991.200	1010.000	83.073%	44.840	45.000	49.110	45.740
σ		1.772%	6.347	5.808	2.219%	0.123	0.392	0.256	0.691
%RSD		1.936	0.640	0.575	2.671	0.275	0.872	0.521	1.511

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:10:33	82.358%	1915.000	491.500	492.400	1959.000	1937.000	85.170%	86.074%
2	00:11:16	85.266%	1911.000	491.700	493.000	1967.000	1952.000	88.948%	88.970%
3	00:11:59	86.385%	1922.000	492.800	493.900	1976.000	1961.000	89.015%	90.222%
x		84.670%	1916.000	492.000	493.100	1967.000	1950.000	87.711%	88.422%
σ		2.079%	5.232	0.665	0.728	8.622	11.890	2.201%	2.128%
%RSD		2.455	0.273	0.135	0.148	0.438	0.610	2.509	2.407

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:10:33	45.380	45.870	19.080	18.800	18.880	88.497%
2	00:11:16	46.550	46.610	18.980	19.060	18.980	90.180%
3	00:11:59	47.320	47.130	19.040	19.100	19.210	90.166%
x		46.420	46.540	19.040	18.980	19.020	89.614%
σ		0.978	0.634	0.050	0.163	0.165	0.968%
%RSD		2.107	1.363	0.265	0.860	0.870	1.080

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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	00:14:52	91.206%	0.001	122.200	121.300	0.000	14930.000	18040.000	18060.000
2	00:15:35	92.469%	0.042	117.300	119.000	0.000	14780.000	18210.000	18190.000
3	00:16:18	91.955%	0.015	118.100	117.200	0.000	14800.000	18390.000	19630.000
x		91.877%	0.019	119.200	119.200	0.000	14840.000	18210.000	18630.000
σ		0.635%	0.021	2.603	2.047	0.000	83.020	173.200	868.100
%RSD		0.691	108.900	2.184	1.717	0.000	0.560	0.951	4.661

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:14:52	11.320	9168.000	0.000	3041.000	29990.000	28840.000	84.053%	3.974
2	00:15:35	10.690	9180.000	0.000	2981.000	30080.000	29060.000	85.021%	3.066
3	00:16:18	10.770	9267.000	0.000	2999.000	29720.000	28930.000	85.257%	2.456
x		10.930	9205.000	0.000	3007.000	29930.000	28950.000	84.777%	3.166
σ		0.341	53.850	0.000	30.600	185.200	108.500	0.638%	0.764
%RSD		3.116	0.585	0.000	1.018	0.619	0.375	0.753	24.120

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:14:52	3.619	4.883	134.100	92.340	173.500	0.284	0.661	1.208
2	00:15:35	6.884	4.723	134.900	89.070	167.500	0.290	0.777	0.989
3	00:16:18	6.461	4.971	134.400	88.420	162.700	0.248	0.785	0.969
x		5.655	4.859	134.400	89.940	167.900	0.274	0.741	1.055
σ		1.776	0.126	0.399	2.098	5.402	0.023	0.069	0.133
%RSD		31.410	2.583	0.297	2.333	3.217	8.311	9.351	12.550

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:14:52	1.209	3.080	3.299	21.180	0.861	5.997	0.000	69.390
2	00:15:35	1.229	2.884	3.184	20.360	-0.698	8.910	0.000	69.340
3	00:16:18	0.888	2.622	2.703	22.120	0.291	5.205	0.000	69.410
x		1.109	2.862	3.062	21.220	0.152	6.704	0.000	69.380
σ		0.191	0.230	0.316	0.883	0.789	1.951	0.000	0.037
%RSD		17.260	8.038	10.320	4.163	519.800	29.100	0.000	0.054

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:14:52	84.987%	11.750	11.570	82.176%	0.001	0.023	-0.042	-0.096
2	00:15:35	87.598%	9.030	8.915	83.414%	-0.004	0.004	0.010	0.062
3	00:16:18	88.189%	7.288	7.497	88.870%	-0.002	0.004	-0.060	-0.076
x		86.925%	9.355	9.326	84.820%	-0.002	0.010	-0.031	-0.036
σ		1.704%	2.247	2.065	3.562%	0.003	0.011	0.036	0.086
%RSD		1.960	24.020	22.150	4.199	155.600	105.800	117.300	235.300

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:14:52	83.478%	16.980	3.301	3.175	45.130	44.090	85.585%	85.765%
2	00:15:35	85.794%	12.170	3.055	3.129	45.160	43.810	88.720%	89.541%
3	00:16:18	86.717%	10.360	2.908	3.034	45.280	44.550	89.203%	90.003%
x		85.330%	13.170	3.088	3.112	45.190	44.150	87.836%	88.436%
σ		1.669%	3.420	0.199	0.072	0.080	0.374	1.964%	2.325%
%RSD		1.956	25.970	6.441	2.315	0.177	0.847	2.236	2.629

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:14:52	0.467	0.481	0.133	0.115	0.122	88.294%
2	00:15:35	0.287	0.279	0.097	0.080	0.083	90.921%
3	00:16:18	0.220	0.189	0.082	0.087	0.097	92.041%
x		0.325	0.317	0.104	0.094	0.101	90.419%
σ		0.128	0.150	0.026	0.019	0.020	1.923%
%RSD		39.300	47.250	25.360	19.730	19.860	2.127

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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	00:19:10	91.411%	0.001	153.300	152.100	0.000	18490.000	18050.000	25600.000
2	00:19:53	92.895%	0.014	152.200	155.600	0.000	18150.000	25220.000	26030.000
3	00:20:36	90.855%	0.015	155.000	158.400	0.000	18240.000	25640.000	26460.000
x		91.721%	0.010	153.500	155.400	0.000	18300.000	22970.000	26030.000
σ		1.054%	0.008	1.382	3.183	0.000	176.600	4265.000	430.500
%RSD		1.150	79.750	0.901	2.049	0.000	0.965	18.570	1.654

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:19:10	2.256	5249.000	0.000	3207.000	40370.000	39820.000	85.344%	1.582
2	00:19:53	2.365	5267.000	0.000	3174.000	40150.000	39450.000	85.776%	1.265
3	00:20:36	2.305	5332.000	0.000	3170.000	40540.000	39780.000	85.443%	1.451
x		2.309	5283.000	0.000	3184.000	40350.000	39680.000	85.521%	1.433
σ		0.054	43.200	0.000	20.320	197.800	202.900	0.226%	0.159
%RSD		2.360	0.818	0.000	0.638	0.490	0.511	0.265	11.130

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:19:10	5.591	5.180	147.200	55.860	166.700	0.194	0.493	0.728
2	00:19:53	4.820	5.379	148.400	56.120	162.800	0.225	0.344	0.735
3	00:20:36	3.783	5.618	150.000	57.290	154.100	0.195	0.348	0.697
x		4.731	5.392	148.500	56.420	161.200	0.205	0.395	0.720
σ		0.907	0.219	1.381	0.763	6.476	0.018	0.085	0.021
%RSD		19.180	4.065	0.930	1.352	4.017	8.663	21.600	2.868

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:19:10	0.865	2.148	1.511	16.120	1.411	9.171	0.000	155.500
2	00:19:53	0.850	1.930	1.696	16.260	-0.255	9.530	0.000	156.300
3	00:20:36	0.730	1.781	2.027	16.250	-0.840	9.707	0.000	156.700
x		0.815	1.953	1.745	16.210	0.105	9.469	0.000	156.100
σ		0.074	0.184	0.262	0.077	1.168	0.273	0.000	0.579
%RSD		9.109	9.441	15.000	0.475	1109.000	2.882	0.000	0.371

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:19:10	86.453%	3.200	3.313	83.788%	-0.010	0.003	0.008	-0.008
2	00:19:53	88.480%	3.212	2.945	88.616%	-0.008	-0.004	0.017	0.014
3	00:20:36	88.675%	2.697	2.736	88.526%	-0.012	-0.002	-0.059	-0.049
x		87.869%	3.036	2.998	86.977%	-0.010	-0.001	-0.011	-0.014
σ		1.231%	0.294	0.292	2.762%	0.002	0.004	0.041	0.032
%RSD		1.400	9.680	9.752	3.176	16.420	385.400	370.600	219.400

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:19:10	84.838%	11.050	0.433	0.444	38.030	37.610	86.233%	86.522%
2	00:19:53	87.207%	10.790	0.454	0.452	38.680	38.620	88.519%	88.392%
3	00:20:36	87.037%	10.330	0.369	0.502	38.070	38.070	89.780%	89.900%
x		86.361%	10.720	0.419	0.466	38.260	38.100	88.178%	88.272%
σ		1.322%	0.363	0.044	0.031	0.363	0.507	1.798%	1.692%
%RSD		1.530	3.381	10.560	6.716	0.948	1.330	2.039	1.917

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:19:10	0.136	0.121	0.102	0.114	0.105	87.550%
2	00:19:53	0.099	0.098	0.070	0.094	0.078	89.031%
3	00:20:36	0.092	0.090	0.079	0.061	0.071	89.461%
x		0.109	0.103	0.084	0.090	0.085	88.681%
σ		0.024	0.016	0.017	0.026	0.018	1.002%
%RSD		21.710	15.620	20.130	29.460	21.100	1.130

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:23:30	90.980%	0.044	35.040	38.890	0.000	11900.000	16830.000	17290.000
2	00:24:13	94.932%	0.040	35.170	36.320	0.000	11610.000	16790.000	17070.000
3	00:24:56	93.875%	0.027	40.170	37.180	0.000	11690.000	17110.000	17360.000
x		93.263%	0.037	36.790	37.460	0.000	11730.000	16910.000	17240.000
σ		2.046%	0.009	2.930	1.304	0.000	154.200	178.600	152.200
%RSD		2.194	23.970	7.964	3.482	0.000	1.314	1.056	0.883

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:23:30	6.439	940.000	0.000	2349.000	35710.000	34550.000	85.848%	0.993
2	00:24:13	6.256	938.000	0.000	2314.000	35330.000	34860.000	87.799%	0.917
3	00:24:56	6.123	945.200	0.000	2307.000	36080.000	34610.000	88.733%	1.012
x		6.273	941.100	0.000	2323.000	35710.000	34680.000	87.460%	0.974
σ		0.159	3.717	0.000	22.330	376.600	162.800	1.472%	0.050
%RSD		2.527	0.395	0.000	0.962	1.055	0.469	1.683	5.153

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:23:30	4.029	5.652	9.937	56.580	142.100	0.145	0.611	3.708
2	00:24:13	5.573	5.684	9.886	53.660	138.400	0.096	0.541	3.499
3	00:24:56	6.997	5.980	9.932	52.390	133.500	0.108	0.587	3.589
x		5.533	5.772	9.919	54.210	138.000	0.116	0.580	3.599
σ		1.484	0.181	0.028	2.148	4.317	0.025	0.035	0.105
%RSD		26.830	3.132	0.284	3.962	3.129	21.810	6.056	2.910

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:23:30	3.598	4.066	4.286	7.720	1.330	9.957	0.000	123.600
2	00:24:13	3.563	3.915	4.068	3.735	-0.302	9.281	0.000	124.500
3	00:24:56	3.335	3.885	4.030	6.463	0.816	9.319	0.000	124.800
x		3.499	3.955	4.128	5.973	0.614	9.519	0.000	124.300
σ		0.143	0.097	0.138	2.037	0.835	0.380	0.000	0.606
%RSD		4.077	2.447	3.346	34.110	135.800	3.992	0.000	0.487

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:23:30	86.959%	2.562	2.517	84.485%	-0.003	-0.001	-0.064	-0.055
2	00:24:13	89.347%	2.491	2.421	90.417%	-0.010	-0.003	0.005	-0.026
3	00:24:56	90.871%	2.436	2.374	91.613%	-0.013	0.001	-0.052	-0.044
x		89.059%	2.496	2.437	88.838%	-0.009	-0.001	-0.037	-0.042
σ		1.971%	0.063	0.073	3.817%	0.005	0.002	0.037	0.015
%RSD		2.214	2.542	3.002	4.297	59.570	163.800	98.480	35.880

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:23:30	84.351%	3.806	0.338	0.356	23.510	23.080	85.993%	86.210%
2	00:24:13	88.267%	3.247	0.343	0.333	23.920	23.460	89.493%	89.641%
3	00:24:56	88.308%	3.237	0.305	0.342	23.970	23.800	90.238%	91.538%
x		86.975%	3.430	0.329	0.344	23.800	23.450	88.575%	89.129%
σ		2.273%	0.326	0.021	0.012	0.255	0.360	2.266%	2.701%
%RSD		2.613	9.503	6.267	3.378	1.072	1.537	2.559	3.030

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:23:30	0.047	0.044	0.119	0.093	0.104	86.384%
2	00:24:13	0.051	0.044	0.082	0.061	0.070	89.422%
3	00:24:56	0.025	0.026	0.085	0.073	0.082	90.768%
x		0.041	0.038	0.095	0.076	0.086	88.858%
σ		0.014	0.010	0.021	0.016	0.017	2.246%
%RSD		33.460	26.390	21.670	20.780	20.160	2.527

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:50	95.133%	-0.015	30.190	29.240	0.000	7935.000	11720.000	12040.000
2	00:28:33	94.699%	0.026	31.760	30.090	0.000	7837.000	12000.000	12370.000
3	00:29:16	93.999%	-0.015	25.900	29.280	0.000	7774.000	11960.000	12420.000
x		94.610%	-0.001	29.280	29.540	0.000	7849.000	11890.000	12280.000
σ		0.573%	0.024	3.037	0.476	0.000	81.160	151.300	203.900
%RSD		0.605	2184.000	10.370	1.612	0.000	1.034	1.272	1.661

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:50	5.893	714.300	0.000	1760.000	33910.000	33090.000	87.741%	1.149
2	00:28:33	5.732	728.600	0.000	1745.000	33830.000	33250.000	88.075%	1.073
3	00:29:16	5.798	732.900	0.000	1700.000	33530.000	32730.000	88.630%	1.119
x		5.808	725.300	0.000	1735.000	33760.000	33020.000	88.149%	1.113
σ		0.081	9.751	0.000	31.250	200.600	262.700	0.449%	0.038
%RSD		1.397	1.344	0.000	1.801	0.594	0.795	0.510	3.442

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:50	3.962	6.221	1.344	52.520	132.600	0.077	0.684	1.112
2	00:28:33	4.412	6.356	1.349	50.970	133.100	0.075	0.600	1.086
3	00:29:16	8.605	6.325	1.261	49.730	132.400	0.093	0.556	1.171
x		5.660	6.301	1.318	51.070	132.700	0.082	0.613	1.123
σ		2.561	0.071	0.049	1.396	0.356	0.009	0.065	0.044
%RSD		45.240	1.122	3.749	2.733	0.268	11.540	10.620	3.891

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:50	1.258	2.591	2.596	5.933	0.242	7.887	0.000	117.000
2	00:28:33	1.245	2.596	2.361	3.274	0.105	5.870	0.000	117.300
3	00:29:16	1.272	2.802	2.887	2.930	0.341	6.516	0.000	118.400
x		1.258	2.663	2.615	4.046	0.229	6.758	0.000	117.600
σ		0.014	0.121	0.264	1.644	0.119	1.029	0.000	0.752
%RSD		1.093	4.528	10.080	40.630	51.780	15.230	0.000	0.639

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:50	88.311%	1.826	1.708	86.261%	-0.013	-0.010	-0.022	-0.024
2	00:28:33	90.556%	1.794	1.672	91.314%	-0.016	-0.005	0.007	-0.005
3	00:29:16	90.908%	1.735	1.693	91.199%	-0.007	-0.010	0.014	0.009
x		89.925%	1.785	1.691	89.592%	-0.012	-0.008	-0.000	-0.007
σ		1.409%	0.046	0.018	2.885%	0.005	0.003	0.019	0.017
%RSD		1.567	2.595	1.062	3.220	40.720	38.140	4621.000	243.300

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:50	86.816%	2.178	0.320	0.340	22.070	21.480	87.581%	88.326%
2	00:28:33	88.064%	2.173	0.390	0.337	21.910	22.190	89.978%	90.179%
3	00:29:16	88.729%	2.241	0.294	0.341	21.400	21.640	90.452%	90.297%
x		87.870%	2.198	0.335	0.339	21.790	21.770	89.337%	89.601%
σ		0.971%	0.038	0.050	0.002	0.346	0.377	1.539%	1.105%
%RSD		1.105	1.726	14.940	0.665	1.586	1.731	1.723	1.233

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:50	0.020	0.010	0.069	0.078	0.068	89.300%
2	00:28:33	0.025	0.024	0.053	0.042	0.063	90.731%
3	00:29:16	0.021	0.025	0.059	0.049	0.054	90.736%
x		0.022	0.020	0.060	0.056	0.062	90.255%
σ		0.003	0.008	0.008	0.019	0.007	0.828%
%RSD		13.300	40.750	13.910	34.240	11.740	0.917

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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	00:32:10	92.495%	0.014	31.350	28.140	0.000	8633.000	11530.000	11870.000
2	00:32:53	92.350%	0.000	28.930	30.020	0.000	8427.000	11740.000	12090.000
3	00:33:36	93.476%	-0.000	27.940	29.970	0.000	8465.000	11810.000	12200.000
x		92.773%	0.005	29.410	29.380	0.000	8508.000	11690.000	12050.000
σ		0.612%	0.008	1.753	1.068	0.000	109.300	148.800	166.900
%RSD		0.660	175.900	5.963	3.636	0.000	1.285	1.273	1.385

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:32:10	6.657	792.600	0.000	2257.000	33200.000	32190.000	85.466%	1.380
2	00:32:53	6.601	799.300	0.000	2209.000	32650.000	31900.000	86.285%	0.934
3	00:33:36	6.621	800.800	0.000	2205.000	32560.000	31990.000	86.785%	0.999
x		6.626	797.600	0.000	2223.000	32800.000	32030.000	86.179%	1.104
σ		0.029	4.318	0.000	28.810	350.800	145.300	0.666%	0.241
%RSD		0.434	0.541	0.000	1.296	1.069	0.454	0.773	21.820

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:32:10	9.468	6.132	1.507	54.630	135.100	0.061	0.557	1.491
2	00:32:53	6.987	5.999	1.419	51.110	131.700	0.070	0.370	1.555
3	00:33:36	4.446	5.957	1.420	49.130	131.500	0.061	0.349	1.391
x		6.967	6.029	1.449	51.620	132.700	0.064	0.425	1.479
σ		2.511	0.092	0.050	2.781	2.027	0.005	0.114	0.082
%RSD		36.040	1.520	3.466	5.387	1.527	8.091	26.850	5.568

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:32:10	1.628	1.801	1.843	3.703	0.206	6.486	0.000	116.500
2	00:32:53	1.439	1.817	1.874	3.895	0.099	7.087	0.000	117.600
3	00:33:36	1.536	1.660	1.694	4.217	-0.170	6.028	0.000	117.500
x		1.534	1.760	1.803	3.938	0.045	6.534	0.000	117.200
σ		0.094	0.087	0.096	0.260	0.194	0.531	0.000	0.657
%RSD		6.151	4.917	5.336	6.595	430.400	8.127	0.000	0.561

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:32:10	86.406%	2.033	1.895	82.083%	-0.017	-0.007	-0.032	0.002
2	00:32:53	88.136%	1.778	1.944	88.772%	-0.019	-0.007	-0.005	-0.002
3	00:33:36	89.738%	1.998	1.872	89.960%	-0.017	-0.006	-0.021	-0.020
x		88.094%	1.936	1.904	86.939%	-0.018	-0.007	-0.019	-0.007
σ		1.666%	0.138	0.036	4.246%	0.001	0.001	0.013	0.012
%RSD		1.892	7.136	1.912	4.884	8.222	12.350	68.380	166.200

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:32:10	84.277%	1.712	0.315	0.284	20.710	21.640	85.481%	85.726%
2	00:32:53	86.467%	1.788	0.224	0.260	20.830	21.660	88.466%	88.454%
3	00:33:36	87.465%	1.735	0.285	0.255	20.620	20.920	89.693%	90.276%
x		86.070%	1.745	0.275	0.266	20.720	21.410	87.880%	88.152%
σ		1.631%	0.039	0.046	0.015	0.104	0.425	2.166%	2.290%
%RSD		1.894	2.230	16.900	5.773	0.504	1.984	2.465	2.598

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:32:10	0.015	0.017	0.117	0.158	0.134	86.313%
2	00:32:53	0.015	0.018	0.074	0.131	0.109	88.821%
3	00:33:36	0.004	0.008	0.100	0.078	0.099	90.526%
x		0.012	0.014	0.097	0.122	0.114	88.554%
σ		0.006	0.006	0.021	0.041	0.018	2.119%
%RSD		54.560	38.350	21.830	33.210	15.850	2.393

500-48805-A-11-D SD@5 8/24/2012 12:35:47 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	00:36:30	90.167%	-0.041	7.869	7.694	0.000	1759.000	2385.000	2452.000
2	00:37:13	90.989%	0.029	6.933	7.106	0.000	1714.000	2406.000	2487.000
3	00:37:56	91.620%	-0.028	9.049	7.398	0.000	1716.000	2392.000	2469.000
x		90.925%	-0.013	7.950	7.399	0.000	1729.000	2394.000	2469.000
σ		0.728%	0.037	1.061	0.294	0.000	25.370	10.680	17.140
%RSD		0.801	283.200	13.340	3.975	0.000	1.467	0.446	0.694

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:36:30	-0.155	163.600	0.000	458.100	6689.000	6494.000	86.277%	0.177
2	00:37:13	-0.094	165.000	0.000	454.000	6678.000	6475.000	87.594%	0.192
3	00:37:56	0.112	164.100	0.000	453.300	6706.000	6472.000	87.576%	0.245
x		-0.046	164.200	0.000	455.100	6691.000	6480.000	87.149%	0.205
σ		0.140	0.693	0.000	2.600	13.780	11.980	0.755%	0.036
%RSD		305.600	0.422	0.000	0.571	0.206	0.185	0.866	17.450

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:36:30	1.197	1.613	0.387	41.570	32.210	0.019	0.095	0.339
2	00:37:13	1.574	1.564	0.375	37.510	31.980	0.016	0.145	0.336
3	00:37:56	1.290	1.583	0.395	36.030	27.880	0.010	0.080	0.396
x		1.353	1.587	0.386	38.370	30.690	0.015	0.107	0.357
σ		0.196	0.024	0.011	2.871	2.435	0.005	0.034	0.034
%RSD		14.500	1.538	2.736	7.481	7.933	32.220	31.890	9.490

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:36:30	0.471	0.310	0.566	1.449	0.035	4.466	0.000	23.210
2	00:37:13	0.433	0.363	0.611	2.733	-0.100	4.930	0.000	23.660
3	00:37:56	0.493	0.376	0.394	2.229	-1.277	6.030	0.000	23.450
x		0.466	0.350	0.523	2.137	-0.448	5.142	0.000	23.440
σ		0.030	0.035	0.114	0.647	0.722	0.803	0.000	0.226
%RSD		6.468	9.936	21.840	30.290	161.300	15.620	0.000	0.966

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:36:30	89.346%	0.501	0.567	92.162%	-0.012	-0.010	-0.011	-0.013
2	00:37:13	91.622%	0.491	0.551	94.114%	-0.017	-0.007	-0.015	-0.023
3	00:37:56	91.571%	0.595	0.540	94.017%	-0.014	-0.008	-0.095	-0.075
x		90.846%	0.529	0.553	93.431%	-0.014	-0.009	-0.040	-0.037
σ		1.300%	0.057	0.013	1.100%	0.002	0.002	0.047	0.033
%RSD		1.430	10.810	2.423	1.178	16.380	18.350	118.000	89.090

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:36:30	87.588%	-0.462	-0.024	-0.032	4.180	4.147	89.153%	89.409%
2	00:37:13	89.821%	-0.498	-0.035	-0.031	4.035	4.357	92.135%	91.880%
3	00:37:56	90.057%	-0.509	-0.017	-0.044	3.998	4.269	92.764%	92.897%
x		89.155%	-0.490	-0.025	-0.036	4.071	4.258	91.350%	91.395%
σ		1.363%	0.024	0.009	0.007	0.096	0.105	1.929%	1.794%
%RSD		1.529	4.998	34.510	20.050	2.360	2.476	2.112	1.963

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:36:30	-0.012	-0.009	0.115	0.134	0.115	87.936%
2	00:37:13	-0.008	-0.010	0.085	0.076	0.069	90.162%
3	00:37:56	-0.008	-0.014	0.066	0.056	0.055	91.580%
x		-0.009	-0.011	0.089	0.088	0.080	89.892%
σ		0.003	0.003	0.024	0.040	0.031	1.837%
%RSD		27.270	23.870	27.390	45.770	39.320	2.044

500-48805-A-11-E MS 8/24/2012 12:40:07 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	00:40:51	86.371%	47.320	996.000	993.900	0.000	53920.000	62600.000	63770.000
2	00:41:33	88.742%	46.070	994.400	987.700	0.000	54170.000	63360.000	64440.000
3	00:42:17	88.954%	46.190	986.100	1013.000	0.000	53980.000	63560.000	64970.000
x		88.022%	46.530	992.200	998.300	0.000	54020.000	63170.000	64390.000
σ		1.434%	0.690	5.292	13.270	0.000	132.800	503.800	604.500
%RSD		1.630	1.482	0.533	1.330	0.000	0.246	0.797	0.939

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:40:51	1971.000	10540.000	0.000	50720.000	79740.000	84970.000	82.888%	990.100
2	00:41:33	1941.000	10560.000	0.000	51090.000	80980.000	85670.000	83.519%	985.300
3	00:42:17	1999.000	10580.000	0.000	50700.000	80230.000	85540.000	83.678%	994.800
x		1971.000	10560.000	0.000	50840.000	80320.000	85400.000	83.361%	990.100
σ		29.010	16.890	0.000	220.000	625.400	371.000	0.418%	4.751
%RSD		1.472	0.160	0.000	0.433	0.779	0.435	0.501	0.480

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:40:51	497.900	202.200	497.300	1012.000	1258.000	475.100	474.000	240.900
2	00:41:33	501.900	205.300	500.000	1088.000	1271.000	481.100	478.000	240.900
3	00:42:17	505.700	205.000	500.700	1082.000	1265.000	478.600	476.000	240.800
x		501.800	204.200	499.400	1061.000	1265.000	478.300	476.000	240.900
σ		3.907	1.702	1.790	42.230	6.473	3.003	2.015	0.097
%RSD		0.778	0.834	0.358	3.980	0.512	0.628	0.423	0.040

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:40:51	240.900	474.600	468.900	39.690	9.405	16.590	0.000	1112.000
2	00:41:33	239.200	475.200	474.500	43.770	10.270	18.000	0.000	1119.000
3	00:42:17	239.800	475.000	470.300	41.960	7.688	15.020	0.000	1111.000
x		240.000	474.900	471.200	41.810	9.121	16.540	0.000	1114.000
σ		0.877	0.316	2.907	2.043	1.315	1.489	0.000	4.352
%RSD		0.365	0.067	0.617	4.887	14.410	9.004	0.000	0.391

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:40:51	84.488%	1005.000	1011.000	81.058%	49.200	49.510	49.700	47.240
2	00:41:33	86.353%	1023.000	1026.000	82.560%	49.010	48.860	50.210	46.390
3	00:42:17	87.189%	1038.000	1054.000	81.103%	50.220	49.670	49.590	47.410
x		86.010%	1022.000	1030.000	81.574%	49.480	49.340	49.830	47.010
σ		1.383%	16.550	21.970	0.855%	0.652	0.430	0.331	0.545
%RSD		1.608	1.620	2.132	1.048	1.319	0.871	0.665	1.160

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:40:51	82.024%	1902.000	490.200	492.300	1972.000	1954.000	85.402%	85.164%
2	00:41:33	83.781%	1918.000	495.000	496.300	1994.000	1975.000	87.514%	88.353%
3	00:42:17	84.351%	1929.000	492.800	494.500	1981.000	1961.000	89.126%	89.314%
x		83.386%	1916.000	492.700	494.400	1983.000	1963.000	87.347%	87.610%
σ		1.213%	13.710	2.396	2.010	11.090	10.340	1.868%	2.173%
%RSD		1.455	0.716	0.486	0.407	0.559	0.527	2.138	2.480

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:40:51	45.570	45.400	18.950	19.200	18.940	87.107%
2	00:41:33	46.490	46.410	19.110	19.070	19.070	89.737%
3	00:42:17	46.710	46.930	19.280	19.220	19.300	89.859%
x		46.250	46.240	19.110	19.160	19.100	88.901%
σ		0.605	0.780	0.165	0.082	0.185	1.555%
%RSD		1.308	1.686	0.862	0.430	0.970	1.749

500-48805-A-11-F MSD 8/24/2012 12:44:29 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	00:45:11	86.787%	48.180	1009.000	1030.000	0.000	54720.000	63610.000	65140.000
2	00:45:54	89.274%	46.130	996.200	1016.000	0.000	53940.000	63780.000	65420.000
3	00:46:38	88.801%	45.410	1009.000	1021.000	0.000	53760.000	64490.000	66240.000
x		88.287%	46.570	1005.000	1023.000	0.000	54140.000	63960.000	65600.000
σ		1.321%	1.436	7.493	6.784	0.000	513.300	467.600	572.800
%RSD		1.496	3.084	0.746	0.663	0.000	0.948	0.731	0.873

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:45:11	1994.000	10680.000	0.000	52100.000	81740.000	86320.000	81.713%	996.900
2	00:45:54	2016.000	10670.000	0.000	50860.000	80960.000	85630.000	83.413%	987.500
3	00:46:38	2036.000	10750.000	0.000	50700.000	80910.000	86360.000	83.218%	993.900
x		2015.000	10700.000	0.000	51220.000	81210.000	86100.000	82.782%	992.700
σ		21.150	44.720	0.000	764.300	463.100	414.200	0.930%	4.797
%RSD		1.050	0.418	0.000	1.492	0.570	0.481	1.124	0.483

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:45:11	508.800	208.900	505.600	1025.000	1275.000	483.200	477.400	242.700
2	00:45:54	508.900	208.000	503.900	1088.000	1265.000	478.300	475.100	239.500
3	00:46:38	514.300	210.000	509.800	1098.000	1264.000	480.800	477.400	241.800
x		510.700	209.000	506.400	1070.000	1268.000	480.800	476.600	241.300
σ		3.137	1.019	3.030	39.940	6.103	2.440	1.298	1.650
%RSD		0.614	0.487	0.598	3.732	0.481	0.508	0.272	0.684

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:45:11	241.300	476.900	475.000	43.620	8.911	15.740	0.000	1122.000
2	00:45:54	240.300	469.600	467.800	44.260	9.293	14.060	0.000	1114.000
3	00:46:38	240.200	470.500	470.700	43.130	9.606	14.880	0.000	1118.000
x		240.600	472.300	471.200	43.670	9.270	14.890	0.000	1118.000
σ		0.593	3.967	3.657	0.571	0.348	0.841	0.000	3.913
%RSD		0.246	0.840	0.776	1.307	3.758	5.646	0.000	0.350

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:45:11	84.626%	1025.000	1027.000	81.477%	49.680	49.130	48.970	45.760
2	00:45:54	87.424%	1027.000	1035.000	83.330%	49.370	49.000	49.000	45.100
3	00:46:38	87.952%	1029.000	1039.000	83.601%	49.080	49.040	49.500	45.600
x		86.667%	1027.000	1033.000	82.803%	49.380	49.060	49.160	45.490
σ		1.788%	2.107	5.874	1.156%	0.299	0.067	0.298	0.343
%RSD		2.063	0.205	0.568	1.396	0.607	0.136	0.607	0.754

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:45:11	82.330%	1926.000	488.500	487.800	1971.000	1949.000	86.339%	86.902%
2	00:45:54	84.913%	1927.000	486.300	488.300	1969.000	1955.000	89.210%	89.769%
3	00:46:38	85.456%	1922.000	487.600	488.100	1981.000	1966.000	90.504%	90.978%
x		84.233%	1925.000	487.500	488.100	1974.000	1957.000	88.684%	89.216%
σ		1.670%	2.763	1.076	0.285	6.784	8.677	2.132%	2.093%
%RSD		1.982	0.144	0.221	0.058	0.344	0.443	2.403	2.346

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:45:11	46.390	46.260	18.660	18.910	18.850	89.199%
2	00:45:54	47.260	47.470	19.130	19.210	19.100	90.954%
3	00:46:38	47.370	47.610	19.360	19.430	19.290	91.733%
x		47.010	47.110	19.050	19.180	19.080	90.629%
σ		0.537	0.740	0.356	0.262	0.221	1.298%
%RSD		1.143	1.571	1.869	1.368	1.156	1.432

CCV 496055 8/24/2012 12:51:46 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:28	84.492%	95.740	100.700	103.200	0.000	47870.000	50990.000	51560.000
2	00:53:11	84.686%	95.810	103.000	107.500	0.000	47820.000	51540.000	52430.000
3	00:53:54	83.623%	96.670	105.100	104.000	0.000	48100.000	52340.000	53210.000
x		84.267%	96.072%	102.919%	104.897%	0.000	95.862%	103.247%	104.803%
σ		0.566%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.672	0.540	2.135	2.219	0.000	0.315	1.313	1.581

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:28	491.700	5075.000	0.000	50200.000	47540.000	46720.000	83.252%	99.530
2	00:53:11	503.100	5097.000	0.000	50340.000	48180.000	47010.000	83.082%	99.770
3	00:53:54	513.500	5041.000	0.000	50700.000	48690.000	46240.000	83.597%	102.700
x		100.558%	101.417%	0.000	100.829%	96.274%	93.317%	83.310%	100.684%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.262%	n/a
%RSD		2.164	0.558	0.000	0.517	1.198	0.841	0.315	1.776

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:28	97.280	98.410	496.000	25950.000	24510.000	97.340	95.610	97.030
2	00:53:11	98.600	100.400	504.100	26150.000	25010.000	98.060	98.980	97.600
3	00:53:54	100.300	100.200	502.000	26080.000	24950.000	97.940	98.340	97.590
x		98.732%	99.678%	100.138%	104.239%	99.290%	97.778%	97.643%	97.405%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.542	1.106	0.843	0.377	1.088	0.393	1.831	0.329

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:28	98.460	97.310	98.020	100.700	95.580	102.700	0.000	97.440
2	00:53:11	98.340	97.640	99.420	98.530	95.280	103.600	0.000	98.310
3	00:53:54	96.800	97.700	100.000	99.480	97.530	106.000	0.000	98.480
x		97.866%	97.549%	99.150%	99.571%	96.127%	104.073%	0.000	98.076%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.947	0.213	1.035	1.089	1.271	1.653	0.000	0.569

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:28	83.734%	99.630	100.200	79.774%	99.350	99.220	99.300	99.260
2	00:53:11	86.423%	103.300	102.900	81.676%	100.300	100.200	98.850	99.110
3	00:53:54	87.368%	105.100	104.900	82.619%	99.820	100.000	100.000	99.380
x		85.842%	102.661%	102.695%	81.356%	99.816%	99.820%	99.379%	99.250%
σ		1.886%	n/a	n/a	1.449%	n/a	n/a	n/a	n/a
%RSD		2.197	2.704	2.300	1.781	0.464	0.529	0.583	0.136

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:28	83.288%	97.080	96.660	97.210	99.100	98.190	85.673%	86.043%
2	00:53:11	84.995%	97.090	97.830	97.870	99.030	98.550	88.422%	88.807%
3	00:53:54	86.124%	98.370	97.980	98.870	99.580	98.800	88.994%	90.025%
x		84.802%	97.514%	97.493%	97.981%	99.236%	98.515%	87.696%	88.292%
σ		1.427%	n/a	n/a	n/a	n/a	n/a	1.775%	2.040%
%RSD		1.683	0.759	0.744	0.856	0.304	0.310	2.025	2.311

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:28	96.130	96.190	95.500	96.230	95.670	86.730%
2	00:53:11	97.430	97.650	98.560	97.940	98.130	88.301%
3	00:53:54	98.390	98.530	98.290	98.950	98.560	88.709%
x		97.318%	97.459%	97.447%	97.709%	97.452%	87.913%
σ		n/a	n/a	n/a	n/a	n/a	1.045%
%RSD		1.168	1.212	1.739	1.405	1.603	1.189

CCB9 8/24/2012 12:59:00 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	00:59:43	96.276%	0.011	5.234	4.530	0.000	1.163	7.692	6.426
2	01:00:26	94.965%	0.025	4.494	4.842	0.000	7.786	12.160	11.720
3	01:01:09	95.659%	0.079	5.535	4.310	0.000	8.358	12.110	13.180
x		95.633%	0.038	5.088	4.560	0.000	5.769	10.660	10.440
σ		0.656%	0.036	0.536	0.267	0.000	3.999	2.567	3.555
%RSD		0.686	92.740	10.530	5.862	0.000	69.320	24.090	34.040

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:59:43	-0.451	1.315	0.000	9.398	-21.270	-15.650	95.607%	0.175
2	01:00:26	-0.405	1.222	0.000	11.550	-1.544	-7.935	96.009%	0.206
3	01:01:09	-0.253	1.758	0.000	9.019	-16.800	-8.509	96.018%	0.174
x		-0.370	1.432	0.000	9.988	-13.210	-10.700	95.878%	0.185
σ		0.104	0.287	0.000	1.363	10.340	4.297	0.235%	0.018
%RSD		28.070	20.020	0.000	13.640	78.330	40.170	0.245	10.000

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:59:43	0.690	0.156	0.091	17.840	17.560	0.020	-0.027	-0.019
2	01:00:26	0.395	0.256	0.153	15.170	17.560	0.035	-0.007	-0.031
3	01:01:09	0.234	0.178	0.113	12.460	13.910	0.030	-0.003	-0.010
x		0.439	0.197	0.119	15.160	16.340	0.028	-0.012	-0.020
σ		0.231	0.053	0.032	2.690	2.107	0.007	0.013	0.011
%RSD		52.640	26.820	26.490	17.750	12.890	26.120	104.900	53.260

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:59:43	0.050	-0.483	-0.460	0.085	-1.961	0.302	0.000	0.080
2	01:00:26	0.099	-0.415	-0.547	0.207	-1.875	-1.993	0.000	0.137
3	01:01:09	0.068	-0.456	-0.501	0.205	-1.849	0.188	0.000	0.124
x		0.072	-0.452	-0.503	0.166	-1.895	-0.501	0.000	0.114
σ		0.025	0.034	0.043	0.070	0.059	1.294	0.000	0.030
%RSD		33.880	7.554	8.588	42.140	3.111	258.100	0.000	26.500

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:59:43	93.715%	1.369	1.205	89.803%	0.000	0.004	0.039	-0.003
2	01:00:26	95.249%	1.096	1.187	90.769%	0.005	0.022	0.025	0.003
3	01:01:09	96.208%	1.034	0.963	91.602%	0.008	0.004	-0.007	0.012
x		95.057%	1.166	1.118	90.725%	0.005	0.010	0.019	0.004
σ		1.258%	0.178	0.135	0.900%	0.004	0.010	0.024	0.007
%RSD		1.323	15.250	12.090	0.992	87.570	102.300	126.000	172.200

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:59:43	85.601%	0.067	0.095	0.053	0.144	0.170	86.638%	85.949%
2	01:00:26	86.930%	-0.064	0.095	0.116	0.121	0.192	88.567%	88.662%
3	01:01:09	87.173%	-0.176	0.078	0.058	0.127	0.212	89.162%	89.623%
x		86.568%	-0.058	0.089	0.076	0.131	0.191	88.122%	88.078%
σ		0.846%	0.121	0.010	0.035	0.012	0.021	1.320%	1.906%
%RSD		0.978	209.600	10.660	46.180	9.253	11.110	1.497	2.163

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:59:43	0.079	0.070	0.134	0.151	0.139	89.877%
2	01:00:26	0.084	0.086	0.092	0.092	0.098	91.216%
3	01:01:09	0.061	0.085	0.087	0.097	0.098	92.304%
x		0.075	0.080	0.105	0.114	0.111	91.132%
σ		0.012	0.009	0.026	0.033	0.024	1.215%
%RSD		15.700	11.020	24.520	28.830	21.320	1.334

500-48805-A-23-B 8/24/2012 1:03:22 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	01:04:05	86.916%	0.019	30.240	29.350	0.000	8471.000	11300.000	11690.000
2	01:04:48	87.522%	0.033	29.650	28.290	0.000	8338.000	11560.000	12000.000
3	01:05:31	89.419%	0.002	30.510	28.730	0.000	8317.000	11560.000	12030.000
x		87.952%	0.018	30.130	28.790	0.000	8376.000	11470.000	11910.000
σ		1.306%	0.015	0.437	0.532	0.000	83.500	153.100	185.600
%RSD		1.485	85.900	1.449	1.849	0.000	0.997	1.334	1.558

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:04:05	5.883	736.900	0.000	2254.000	33140.000	31740.000	79.972%	1.902
2	01:04:48	5.886	747.300	0.000	2223.000	32400.000	31630.000	82.411%	2.127
3	01:05:31	6.095	753.600	0.000	2206.000	32290.000	31720.000	82.938%	1.812
x		5.955	745.900	0.000	2227.000	32610.000	31700.000	81.774%	1.947
σ		0.122	8.410	0.000	24.600	458.200	55.740	1.582%	0.162
%RSD		2.044	1.128	0.000	1.105	1.405	0.176	1.935	8.320

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:04:05	3.789	3.498	1.213	37.250	132.800	0.108	0.557	1.823
2	01:04:48	3.393	3.810	1.272	32.970	120.600	0.118	0.575	1.744
3	01:05:31	5.432	3.938	1.316	33.480	119.200	0.136	0.624	1.708
x		4.205	3.749	1.267	34.560	124.200	0.121	0.585	1.759
σ		1.081	0.226	0.051	2.337	7.494	0.014	0.034	0.059
%RSD		25.710	6.038	4.049	6.761	6.033	11.650	5.893	3.350

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:04:05	1.788	4.310	3.993	2.498	0.830	7.411	0.000	115.900
2	01:04:48	1.862	4.076	3.661	3.271	-0.587	6.694	0.000	116.600
3	01:05:31	1.903	3.969	4.096	5.014	-0.241	6.245	0.000	116.000
x		1.851	4.118	3.917	3.594	0.001	6.783	0.000	116.200
σ		0.059	0.175	0.228	1.288	0.739	0.588	0.000	0.380
%RSD		3.168	4.245	5.808	35.850	121600.000	8.668	0.000	0.327

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:04:05	82.161%	3.307	3.246	80.084%	0.007	0.017	0.029	-0.010
2	01:04:48	85.737%	2.851	3.049	81.836%	-0.000	0.000	-0.024	-0.019
3	01:05:31	87.750%	2.772	2.785	84.859%	0.005	0.016	-0.021	-0.022
x		85.216%	2.977	3.026	82.260%	0.004	0.011	-0.005	-0.017
σ		2.831%	0.289	0.231	2.415%	0.003	0.009	0.030	0.006
%RSD		3.322	9.701	7.642	2.936	94.790	86.530	559.600	37.040

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:04:05	81.557%	12.240	0.606	0.603	20.790	20.070	84.648%	84.971%
2	01:04:48	84.647%	9.887	0.552	0.533	21.140	20.960	88.163%	88.773%
3	01:05:31	85.871%	8.444	0.425	0.510	20.480	20.700	89.756%	89.994%
x		84.025%	10.190	0.528	0.549	20.800	20.570	87.522%	87.913%
σ		2.223%	1.918	0.093	0.048	0.327	0.456	2.613%	2.620%
%RSD		2.646	18.820	17.600	8.740	1.571	2.217	2.986	2.980

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:04:05	0.132	0.150	0.174	0.157	0.162	88.491%
2	01:04:48	0.085	0.096	0.142	0.161	0.148	90.805%
3	01:05:31	0.080	0.075	0.131	0.134	0.133	92.103%
x		0.099	0.107	0.149	0.151	0.148	90.466%
σ		0.029	0.039	0.023	0.015	0.015	1.830%
%RSD		29.220	36.100	15.240	9.737	9.949	2.023

MB 180-44493/1-A 8/24/2012 1:11:21 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	01:12:04	86.593%	0.019	2.840	3.054	0.000	10.840	5.370	5.366
2	01:12:47	87.368%	0.018	3.009	3.380	0.000	14.930	9.672	8.850
3	01:13:30	86.818%	0.004	3.128	2.981	0.000	13.520	7.551	7.054
x		86.927%	0.013	2.992	3.138	0.000	13.100	7.531	7.090
σ		0.399%	0.009	0.144	0.212	0.000	2.080	2.151	1.742
%RSD		0.459	63.570	4.830	6.770	0.000	15.880	28.570	24.570

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:12:04	-2.527	6.199	0.000	28.600	-26.580	-12.840	85.517%	0.252
2	01:12:47	-2.514	5.751	0.000	23.280	-31.690	-6.880	85.389%	0.252
3	01:13:30	-2.546	6.229	0.000	19.860	-24.910	-14.480	85.664%	0.179
x		-2.529	6.059	0.000	23.910	-27.730	-11.400	85.523%	0.228
σ		0.016	0.268	0.000	4.404	3.532	3.998	0.138%	0.042
%RSD		0.631	4.422	0.000	18.420	12.740	35.070	0.161	18.630

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:12:04	0.880	0.340	0.066	20.650	11.400	0.002	0.290	0.047
2	01:12:47	0.353	0.341	0.098	18.210	5.372	0.012	0.287	-0.073
3	01:13:30	0.964	0.365	0.087	16.290	5.043	0.036	0.308	-0.033
x		0.732	0.349	0.083	18.390	7.270	0.016	0.295	-0.020
σ		0.331	0.014	0.016	2.182	3.576	0.018	0.011	0.061
%RSD		45.220	4.076	19.390	11.870	49.190	107.600	3.870	308.300

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:12:04	0.069	-0.415	-0.430	0.999	0.086	7.046	0.000	0.019
2	01:12:47	0.077	-0.530	-0.558	1.239	-0.141	7.699	0.000	0.066
3	01:13:30	0.014	-0.399	-0.555	1.822	0.172	5.354	0.000	0.052
x		0.053	-0.448	-0.514	1.353	0.039	6.699	0.000	0.046
σ		0.034	0.072	0.073	0.423	0.162	1.211	0.000	0.024
%RSD		63.890	15.980	14.270	31.290	416.600	18.070	0.000	52.010

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:12:04	86.100%	0.346	0.367	89.889%	-0.014	0.005	-0.010	-0.015
2	01:12:47	88.453%	0.387	0.399	91.219%	-0.012	-0.001	-0.015	-0.029
3	01:13:30	89.234%	0.374	0.333	91.876%	-0.010	-0.005	-0.006	-0.002
x		87.929%	0.369	0.366	90.995%	-0.012	-0.000	-0.010	-0.015
σ		1.631%	0.021	0.033	1.012%	0.002	0.005	0.005	0.014
%RSD		1.855	5.687	9.011	1.113	16.600	1390.000	47.870	90.230

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:12:04	85.546%	-0.621	-0.079	-0.079	0.065	0.032	86.265%	86.928%
2	01:12:47	87.333%	-0.619	-0.068	-0.075	0.081	0.117	89.144%	89.172%
3	01:13:30	87.703%	-0.656	-0.073	-0.077	0.055	0.051	90.376%	90.923%
x		86.861%	-0.632	-0.073	-0.077	0.067	0.066	88.595%	89.007%
σ		1.154%	0.021	0.005	0.002	0.013	0.045	2.110%	2.003%
%RSD		1.328	3.257	7.427	2.212	20.090	67.710	2.381	2.250

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:12:04	0.017	0.012	0.069	0.060	0.075	88.535%
2	01:12:47	0.002	0.007	0.067	0.055	0.071	90.362%
3	01:13:30	0.009	0.008	0.045	0.044	0.053	91.237%
x		0.009	0.009	0.060	0.053	0.066	90.045%
σ		0.007	0.003	0.013	0.008	0.012	1.379%
%RSD		77.840	28.560	21.890	14.990	17.680	1.531

LCS 180-44493/2-A 8/24/2012 1:15:43 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	01:16:26	87.838%	44.550	913.600	911.200	0.000	44570.000	48970.000	50220.000
2	01:17:09	86.834%	46.780	955.700	953.700	0.000	44800.000	50220.000	51640.000
3	01:17:54	87.999%	43.950	953.900	971.000	0.000	44940.000	50460.000	51950.000
x		87.557%	45.090	941.100	945.300	0.000	44770.000	49890.000	51270.000
σ		0.631%	1.488	23.850	30.750	0.000	183.800	798.000	921.700
%RSD		0.721	3.300	2.534	3.253	0.000	0.410	1.600	1.798

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:16:26	1914.000	9536.000	0.000	47980.000	47680.000	45960.000	80.859%	971.600
2	01:17:09	1957.000	9807.000	0.000	48330.000	46910.000	45990.000	82.203%	979.400
3	01:17:54	1965.000	9866.000	0.000	48000.000	47270.000	46260.000	82.621%	987.200
x		1945.000	9736.000	0.000	48100.000	47280.000	46070.000	81.895%	979.400
σ		27.450	176.200	0.000	195.500	386.500	165.500	0.921%	7.784
%RSD		1.411	1.809	0.000	0.406	0.817	0.359	1.124	0.795

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:16:26	494.800	199.700	493.600	971.500	1146.000	473.100	471.800	236.500
2	01:17:09	496.200	202.200	495.300	999.000	1143.000	472.000	466.100	234.200
3	01:17:54	502.000	203.200	500.400	997.600	1137.000	478.100	473.300	237.000
x		497.700	201.700	496.400	989.400	1142.000	474.400	470.400	235.900
σ		3.859	1.810	3.569	15.490	4.471	3.267	3.768	1.506
%RSD		0.775	0.897	0.719	1.566	0.392	0.689	0.801	0.638

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:16:26	236.700	463.400	457.700	39.370	10.250	14.180	0.000	977.800
2	01:17:09	234.800	462.800	461.700	38.920	8.637	13.100	0.000	973.100
3	01:17:54	235.700	464.500	459.700	39.920	8.770	14.140	0.000	975.700
x		235.700	463.600	459.700	39.400	9.219	13.810	0.000	975.500
σ		0.953	0.860	1.974	0.502	0.895	0.612	0.000	2.355
%RSD		0.404	0.186	0.429	1.274	9.710	4.435	0.000	0.241

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:16:26	83.321%	1005.000	1004.000	80.654%	48.780	48.300	47.940	44.960
2	01:17:09	86.211%	1012.000	1017.000	82.421%	48.710	48.400	48.180	44.590
3	01:17:54	87.087%	1028.000	1041.000	81.402%	49.510	48.710	49.340	47.410
x		85.540%	1015.000	1021.000	81.492%	49.000	48.470	48.490	45.650
σ		1.971%	11.450	18.600	0.887%	0.443	0.212	0.747	1.534
%RSD		2.304	1.128	1.822	1.088	0.903	0.437	1.540	3.360

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:16:26	82.554%	1830.000	476.200	478.200	1917.000	1894.000	86.413%	86.691%
2	01:17:09	84.059%	1898.000	480.500	483.700	1932.000	1919.000	89.158%	90.312%
3	01:17:54	84.682%	1847.000	483.100	486.300	1934.000	1914.000	89.895%	90.776%
x		83.765%	1858.000	479.900	482.700	1927.000	1909.000	88.489%	89.259%
σ		1.094%	35.340	3.524	4.092	9.458	13.380	1.835%	2.237%
%RSD		1.306	1.902	0.734	0.848	0.491	0.701	2.073	2.506

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:16:26	44.660	45.030	18.030	18.180	18.060	91.516%
2	01:17:09	45.840	46.060	18.440	18.760	18.570	93.269%
3	01:17:54	46.200	46.550	18.700	18.730	18.620	93.074%
x		45.570	45.880	18.390	18.550	18.420	92.620%
σ		0.807	0.778	0.337	0.326	0.308	0.961%
%RSD		1.772	1.697	1.834	1.755	1.671	1.038

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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	01:20:50	83.790%	0.840	126.800	133.000	0.000	13330.000	20650.000	22160.000
2	01:21:33	85.107%	0.583	131.300	131.600	0.000	12920.000	20390.000	22260.000
3	01:22:16	83.307%	0.517	139.000	128.800	0.000	12960.000	21130.000	22800.000
x		84.068%	0.647	132.400	131.100	0.000	13070.000	20720.000	22410.000
σ		0.932%	0.171	6.159	2.111	0.000	226.400	376.800	347.000
%RSD		1.108	26.370	4.653	1.610	0.000	1.732	1.818	1.549

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:20:50	4876.000	18250.000	0.000	3772.000	43320.000	41430.000	77.850%	212.000
2	01:21:33	4890.000	18190.000	0.000	3705.000	42760.000	41060.000	79.085%	208.000
3	01:22:16	4956.000	18440.000	0.000	3663.000	43060.000	40350.000	80.055%	207.700
x		4908.000	18290.000	0.000	3714.000	43050.000	40950.000	78.996%	209.200
σ		42.840	128.800	0.000	54.990	278.600	547.400	1.105%	2.389
%RSD		0.873	0.704	0.000	1.481	0.647	1.337	1.399	1.142

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:20:50	116.000	72.180	512.600	51070.000	43240.000	4.459	15.980	135.600
2	01:21:33	114.600	71.450	516.000	50910.000	50080.000	4.384	16.370	136.200
3	01:22:16	114.300	71.800	516.000	50740.000	49920.000	4.512	15.890	135.300
x		115.000	71.810	514.800	50910.000	47750.000	4.452	16.080	135.700
σ		0.947	0.364	1.941	167.000	3905.000	0.064	0.253	0.463
%RSD		0.824	0.507	0.377	0.328	8.179	1.445	1.575	0.341

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:20:50	134.400	466.300	471.600	114.200	4.574	7.350	0.000	87.360
2	01:21:33	135.800	461.000	463.200	113.500	3.022	6.344	0.000	87.900
3	01:22:16	134.500	458.000	465.000	114.200	1.897	6.893	0.000	87.300
x		134.900	461.800	466.600	114.000	3.164	6.862	0.000	87.520
σ		0.787	4.226	4.378	0.362	1.344	0.503	0.000	0.331
%RSD		0.583	0.915	0.938	0.318	42.460	7.336	0.000	0.379

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:20:50	83.141%	55.810	56.750	77.854%	0.269	0.326	1.696	1.773
2	01:21:33	85.045%	52.580	53.940	80.038%	0.278	0.336	1.621	1.541
3	01:22:16	86.613%	53.030	54.000	78.952%	0.330	0.315	1.640	1.545
x		84.933%	53.810	54.890	78.948%	0.292	0.326	1.653	1.620
σ		1.739%	1.753	1.607	1.092%	0.033	0.010	0.039	0.133
%RSD		2.047	3.258	2.928	1.383	11.350	3.171	2.378	8.202

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:20:50	78.863%	27.800	25.040	24.830	107.000	106.000	82.711%	83.171%
2	01:21:33	81.545%	21.240	24.720	24.860	105.900	104.500	85.907%	86.064%
3	01:22:16	81.800%	18.440	24.790	24.830	106.100	105.600	86.822%	87.534%
x		80.736%	22.490	24.850	24.840	106.300	105.400	85.147%	85.590%
σ		1.627%	4.806	0.169	0.017	0.560	0.751	2.159%	2.220%
%RSD		2.015	21.370	0.680	0.069	0.527	0.713	2.535	2.593

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:20:50	0.592	0.658	131.100	128.700	128.700	87.257%
2	01:21:33	0.472	0.494	132.100	130.900	130.400	89.835%
3	01:22:16	0.430	0.443	133.300	130.900	130.800	90.753%
x		0.498	0.532	132.200	130.200	130.000	89.281%
σ		0.084	0.113	1.104	1.290	1.111	1.813%
%RSD		16.900	21.180	0.835	0.991	0.855	2.030

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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	01:25:09	85.750%	0.050	143.900	154.400	0.000	19370.000	21540.000	25550.000
2	01:25:52	87.825%	0.003	151.400	153.100	0.000	19050.000	20590.000	25700.000
3	01:26:35	90.142%	0.088	144.600	150.800	0.000	18830.000	20820.000	25870.000
x		87.906%	0.047	146.600	152.800	0.000	19080.000	20980.000	25710.000
σ		2.197%	0.042	4.136	1.824	0.000	268.100	491.900	158.200
%RSD		2.499	90.570	2.821	1.194	0.000	1.405	2.344	0.615

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:25:09	41.840	5391.000	0.000	3171.000	43130.000	41600.000	81.359%	4.771
2	01:25:52	39.170	5406.000	0.000	3170.000	43440.000	42030.000	83.127%	5.115
3	01:26:35	37.850	5410.000	0.000	3147.000	43340.000	42210.000	83.536%	4.624
x		39.620	5402.000	0.000	3163.000	43300.000	41950.000	82.674%	4.837
σ		2.031	10.090	0.000	13.360	157.400	310.500	1.157%	0.252
%RSD		5.126	0.187	0.000	0.422	0.364	0.740	1.400	5.215

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:25:09	6.487	4.353	193.900	1560.000	1585.000	0.216	0.406	0.863
2	01:25:52	5.835	4.419	194.700	1542.000	1556.000	0.208	0.282	0.945
3	01:26:35	6.167	4.709	196.800	1551.000	1549.000	0.204	0.423	0.862
x		6.163	4.494	195.100	1551.000	1563.000	0.209	0.370	0.890
σ		0.326	0.189	1.466	8.898	19.330	0.006	0.077	0.047
%RSD		5.288	4.206	0.751	0.574	1.236	3.086	20.670	5.311

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:25:09	1.051	4.190	3.424	18.390	0.469	4.067	0.000	160.100
2	01:25:52	1.053	4.172	3.991	17.990	-1.114	2.528	0.000	159.400
3	01:26:35	0.958	3.909	4.006	18.650	-1.431	2.736	0.000	159.600
x		1.021	4.090	3.807	18.340	-0.692	3.110	0.000	159.700
σ		0.054	0.157	0.332	0.335	1.018	0.835	0.000	0.336
%RSD		5.286	3.845	8.721	1.824	147.100	26.860	0.000	0.210

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:25:09	83.573%	3.306	3.321	81.555%	-0.013	0.004	-0.052	-0.056
2	01:25:52	86.424%	3.028	2.993	82.374%	-0.000	0.001	-0.006	-0.029
3	01:26:35	87.652%	2.811	2.924	83.252%	-0.021	-0.006	-0.070	-0.096
x		85.883%	3.048	3.079	82.394%	-0.012	-0.000	-0.043	-0.060
σ		2.093%	0.248	0.212	0.848%	0.011	0.005	0.033	0.034
%RSD		2.437	8.136	6.887	1.030	91.750	1358.000	77.290	55.560

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:25:09	82.761%	11.020	0.326	0.306	44.340	43.040	86.342%	86.687%
2	01:25:52	84.639%	10.330	0.298	0.307	44.470	43.580	89.838%	89.845%
3	01:26:35	86.315%	9.153	0.191	0.262	43.590	43.940	90.894%	90.651%
x		84.572%	10.170	0.271	0.291	44.130	43.520	89.025%	89.061%
σ		1.778%	0.943	0.071	0.026	0.474	0.454	2.383%	2.095%
%RSD		2.103	9.278	26.310	8.928	1.075	1.042	2.676	2.352

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:25:09	0.077	0.084	0.947	0.932	0.986	88.544%
2	01:25:52	0.059	0.072	0.967	0.970	0.962	91.398%
3	01:26:35	0.081	0.086	0.941	0.918	0.924	92.182%
x		0.073	0.081	0.952	0.940	0.957	90.708%
σ		0.012	0.008	0.013	0.027	0.031	1.914%
%RSD		16.070	9.845	1.417	2.850	3.229	2.111

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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	01:29:29	90.440%	0.044	37.980	37.670	0.000	10510.000	16480.000	16850.000
2	01:30:11	90.376%	-0.013	38.770	36.870	0.000	10580.000	16750.000	17310.000
3	01:30:54	92.917%	0.084	36.340	36.070	0.000	10430.000	16790.000	17060.000
x		91.244%	0.038	37.700	36.870	0.000	10510.000	16680.000	17070.000
σ		1.448%	0.049	1.239	0.800	0.000	75.060	166.200	229.000
%RSD		1.587	126.500	3.286	2.171	0.000	0.714	0.997	1.341

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:29:29	58.170	1056.000	0.000	2300.000	35360.000	34270.000	84.185%	2.914
2	01:30:11	59.250	1077.000	0.000	2286.000	34890.000	34360.000	86.004%	2.616
3	01:30:54	62.010	1068.000	0.000	2288.000	35480.000	34400.000	85.444%	2.904
x		59.810	1067.000	0.000	2291.000	35240.000	34340.000	85.211%	2.812
σ		1.979	10.780	0.000	7.318	309.900	65.720	0.932%	0.169
%RSD		3.309	1.011	0.000	0.319	0.879	0.191	1.094	6.019

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:29:29	2.290	5.017	15.880	177.400	274.900	0.135	0.673	4.688
2	01:30:11	4.637	4.880	16.080	173.100	267.900	0.111	0.527	4.848
3	01:30:54	7.260	4.958	16.170	174.400	259.500	0.104	0.648	4.790
x		4.729	4.952	16.040	175.000	267.400	0.117	0.616	4.775
σ		2.487	0.069	0.146	2.227	7.722	0.016	0.078	0.081
%RSD		52.580	1.394	0.910	1.273	2.888	13.880	12.640	1.699

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:29:29	5.316	2.794	3.001	2.562	-0.018	4.873	0.000	121.500
2	01:30:11	4.920	2.543	2.822	5.443	0.020	6.903	0.000	121.000
3	01:30:54	5.148	3.013	2.654	4.941	-0.857	5.382	0.000	121.600
x		5.128	2.783	2.826	4.316	-0.285	5.719	0.000	121.400
σ		0.199	0.235	0.174	1.539	0.496	1.056	0.000	0.308
%RSD		3.873	8.455	6.149	35.670	174.000	18.460	0.000	0.254

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:29:29	85.658%	2.623	2.881	82.973%	-0.010	-0.001	0.064	0.044
2	01:30:11	88.301%	2.811	2.642	89.331%	-0.022	-0.010	-0.052	-0.048
3	01:30:54	89.135%	2.564	2.616	89.905%	-0.012	-0.009	-0.071	-0.052
x		87.698%	2.666	2.713	87.403%	-0.014	-0.007	-0.020	-0.018
σ		1.815%	0.129	0.146	3.847%	0.006	0.005	0.073	0.054
%RSD		2.070	4.834	5.372	4.402	44.140	71.100	373.300	294.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:29:29	84.024%	6.784	0.248	0.207	23.330	22.420	86.587%	86.521%
2	01:30:11	86.143%	6.633	0.214	0.176	22.910	22.830	89.790%	90.332%
3	01:30:54	87.258%	6.194	0.183	0.186	23.680	23.210	90.161%	90.336%
x		85.808%	6.537	0.215	0.190	23.310	22.820	88.846%	89.063%
σ		1.643%	0.307	0.032	0.016	0.383	0.392	1.965%	2.201%
%RSD		1.915	4.690	15.120	8.397	1.642	1.717	2.212	2.472

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:29:29	0.057	0.060	0.364	0.386	0.369	88.217%
2	01:30:11	0.059	0.052	0.341	0.340	0.328	90.593%
3	01:30:54	0.043	0.050	0.323	0.314	0.314	91.113%
x		0.053	0.054	0.343	0.347	0.337	89.974%
σ		0.009	0.005	0.020	0.037	0.029	1.544%
%RSD		16.150	9.578	5.939	10.610	8.458	1.716

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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	01:33:48	90.546%	0.016	29.720	29.330	0.000	7503.000	11350.000	11600.000
2	01:34:31	91.934%	0.029	26.890	29.570	0.000	7420.000	11420.000	11850.000
3	01:35:14	93.573%	0.041	25.590	27.250	0.000	7249.000	11460.000	11870.000
x		92.018%	0.028	27.400	28.720	0.000	7391.000	11410.000	11770.000
σ		1.516%	0.013	2.112	1.276	0.000	129.500	56.640	149.700
%RSD		1.647	44.560	7.706	4.442	0.000	1.752	0.496	1.272

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:33:48	33.120	768.300	0.000	1651.000	33820.000	32350.000	84.267%	2.321
2	01:34:31	34.270	764.700	0.000	1628.000	33190.000	32270.000	86.078%	2.396
3	01:35:14	33.420	765.100	0.000	1603.000	33260.000	32180.000	87.069%	2.030
x		33.600	766.000	0.000	1627.000	33430.000	32270.000	85.805%	2.249
σ		0.598	1.969	0.000	24.290	347.300	88.640	1.421%	0.194
%RSD		1.779	0.257	0.000	1.493	1.039	0.275	1.656	8.605

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:33:48	1.587	4.556	6.129	92.860	176.500	0.056	0.432	0.949
2	01:34:31	4.395	4.748	6.348	89.680	168.200	0.071	0.332	0.998
3	01:35:14	3.868	4.611	6.295	87.470	166.400	0.062	0.354	1.001
x		3.283	4.638	6.258	90.000	170.300	0.063	0.373	0.982
σ		1.493	0.099	0.114	2.710	5.411	0.008	0.053	0.029
%RSD		45.460	2.128	1.826	3.011	3.177	12.270	14.180	2.963

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:33:48	1.185	1.086	1.346	3.610	0.351	2.524	0.000	113.100
2	01:34:31	1.054	0.972	1.217	3.333	-0.374	2.943	0.000	113.800
3	01:35:14	0.981	0.853	1.021	5.889	-0.854	4.518	0.000	113.800
x		1.073	0.970	1.194	4.277	-0.293	3.328	0.000	113.600
σ		0.103	0.116	0.164	1.403	0.607	1.051	0.000	0.417
%RSD		9.638	12.000	13.710	32.800	207.400	31.590	0.000	0.367

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:33:48	86.173%	1.987	1.988	84.023%	-0.013	-0.009	0.017	-0.012
2	01:34:31	89.146%	1.695	1.702	90.384%	-0.023	-0.009	0.021	0.008
3	01:35:14	90.399%	1.661	1.722	91.301%	-0.013	-0.004	-0.017	-0.047
x		88.573%	1.781	1.804	88.569%	-0.016	-0.007	0.007	-0.017
σ		2.171%	0.179	0.160	3.964%	0.005	0.003	0.021	0.028
%RSD		2.451	10.050	8.866	4.476	33.370	42.340	281.100	164.600

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:33:48	84.756%	5.059	0.132	0.137	21.520	20.750	86.434%	87.058%
2	01:34:31	87.713%	4.763	0.127	0.138	20.290	21.160	90.367%	90.251%
3	01:35:14	89.390%	4.316	0.102	0.116	20.790	20.610	91.908%	92.285%
x		87.287%	4.713	0.121	0.130	20.870	20.840	89.570%	89.864%
σ		2.346%	0.374	0.016	0.012	0.619	0.283	2.823%	2.635%
%RSD		2.688	7.935	13.090	9.440	2.968	1.360	3.151	2.932

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:33:48	0.037	0.021	0.135	0.130	0.145	88.630%
2	01:34:31	0.017	0.020	0.144	0.112	0.123	91.675%
3	01:35:14	0.018	0.014	0.120	0.101	0.112	93.029%
x		0.024	0.018	0.133	0.114	0.127	91.112%
σ		0.011	0.004	0.012	0.014	0.017	2.253%
%RSD		46.020	20.790	9.170	12.630	13.340	2.473

500-48805-G-10-A 8/24/2012 1:37:25 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	01:38:08	91.693%	-0.013	31.440	28.030	0.000	8618.000	11420.000	11740.000
2	01:38:51	92.567%	0.000	32.320	28.540	0.000	8360.000	11570.000	11930.000
3	01:39:33	91.736%	0.015	26.970	29.300	0.000	8468.000	11780.000	12190.000
x		91.999%	0.000	30.240	28.620	0.000	8482.000	11590.000	11950.000
σ		0.492%	0.014	2.868	0.637	0.000	129.900	181.000	225.600
%RSD		0.535	2880.000	9.483	2.227	0.000	1.532	1.563	1.887

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:38:08	49.580	848.200	0.000	2271.000	34690.000	33490.000	84.829%	2.562
2	01:38:51	51.420	852.900	0.000	2216.000	34290.000	33460.000	86.265%	2.500
3	01:39:33	51.610	870.200	0.000	2228.000	34430.000	33710.000	85.380%	2.070
x		50.870	857.100	0.000	2238.000	34470.000	33550.000	85.492%	2.377
σ		1.123	11.560	0.000	28.710	201.600	136.600	0.724%	0.268
%RSD		2.207	1.349	0.000	1.283	0.585	0.407	0.847	11.270

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:38:08	3.424	5.075	9.394	115.000	203.800	0.100	0.545	3.152
2	01:38:51	4.898	5.022	9.393	111.200	198.100	0.067	0.585	2.879
3	01:39:33	6.652	4.969	9.651	114.000	199.000	0.078	0.549	3.069
x		4.991	5.022	9.479	113.400	200.300	0.082	0.560	3.033
σ		1.616	0.053	0.149	1.960	3.081	0.017	0.022	0.140
%RSD		32.370	1.061	1.570	1.728	1.538	20.480	3.980	4.627

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:38:08	3.028	1.369	1.493	3.924	0.870	6.056	0.000	118.600
2	01:38:51	3.197	1.307	1.463	3.287	-0.743	3.675	0.000	118.300
3	01:39:33	2.970	1.571	1.822	0.965	-0.331	4.156	0.000	119.100
x		3.065	1.416	1.593	2.725	-0.068	4.629	0.000	118.700
σ		0.118	0.138	0.199	1.557	0.838	1.259	0.000	0.414
%RSD		3.853	9.772	12.510	57.150	1231.000	27.190	0.000	0.349

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:38:08	86.221%	1.950	2.008	88.630%	-0.013	-0.008	-0.025	-0.053
2	01:38:51	88.756%	1.975	1.911	89.853%	-0.012	-0.007	-0.044	-0.057
3	01:39:33	88.984%	1.920	1.999	90.481%	-0.011	-0.011	-0.097	-0.107
x		87.987%	1.948	1.973	89.655%	-0.012	-0.009	-0.055	-0.072
σ		1.533%	0.028	0.054	0.941%	0.001	0.002	0.037	0.030
%RSD		1.743	1.430	2.714	1.050	7.817	28.290	67.990	41.230

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:38:08	85.409%	3.482	0.143	0.167	21.140	21.470	87.388%	87.403%
2	01:38:51	86.764%	3.471	0.164	0.126	22.000	22.120	88.977%	89.720%
3	01:39:33	87.580%	3.449	0.176	0.142	21.460	21.520	89.178%	90.148%
x		86.584%	3.467	0.161	0.145	21.530	21.700	88.514%	89.091%
σ		1.097%	0.017	0.017	0.021	0.434	0.360	0.980%	1.477%
%RSD		1.267	0.496	10.390	14.300	2.016	1.660	1.108	1.658

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:38:08	0.017	0.032	0.526	0.460	0.502	89.183%
2	01:38:51	0.027	0.028	0.489	0.409	0.462	91.103%
3	01:39:33	0.024	0.020	0.485	0.481	0.479	91.215%
x		0.023	0.027	0.500	0.450	0.481	90.500%
σ		0.005	0.006	0.022	0.037	0.020	1.142%
%RSD		23.410	22.830	4.440	8.184	4.161	1.262

500-48805-G-10-A SD@5 8/24/2012 1:41:45 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	01:42:28	91.099%	0.044	6.850	8.617	0.000	1734.000	2330.000	2386.000
2	01:43:11	89.163%	0.017	7.485	8.142	0.000	1732.000	2393.000	2456.000
3	01:43:54	90.078%	0.045	8.939	7.855	0.000	1724.000	2389.000	2490.000
x		90.113%	0.035	7.758	8.205	0.000	1730.000	2371.000	2444.000
σ		0.969%	0.016	1.071	0.385	0.000	5.302	35.630	52.760
%RSD		1.075	45.410	13.810	4.689	0.000	0.306	1.503	2.159

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:42:28	8.549	172.800	0.000	457.600	6830.000	6876.000	85.484%	0.525
2	01:43:11	9.435	176.800	0.000	450.500	7065.000	6836.000	85.184%	0.471
3	01:43:54	8.405	176.100	0.000	444.000	7066.000	6851.000	85.409%	0.270
x		8.796	175.300	0.000	450.700	6987.000	6854.000	85.359%	0.422
σ		0.558	2.128	0.000	6.782	135.500	20.410	0.156%	0.134
%RSD		6.339	1.214	0.000	1.505	1.940	0.298	0.183	31.840

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:42:28	1.226	1.304	1.978	50.750	50.470	0.026	0.050	0.761
2	01:43:11	0.256	1.251	2.088	48.430	48.590	0.015	0.124	0.598
3	01:43:54	0.983	1.218	2.000	45.340	38.590	0.026	0.103	0.607
x		0.822	1.258	2.022	48.180	45.880	0.022	0.092	0.655
σ		0.504	0.043	0.058	2.715	6.385	0.006	0.038	0.091
%RSD		61.380	3.445	2.875	5.636	13.920	29.080	41.040	13.960

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:42:28	0.766	0.061	0.116	1.411	0.042	4.803	0.000	23.940
2	01:43:11	0.751	0.115	0.295	1.516	-0.999	5.554	0.000	23.950
3	01:43:54	0.787	-0.033	0.114	2.142	-0.446	4.398	0.000	24.010
x		0.768	0.048	0.175	1.690	-0.468	4.918	0.000	23.970
σ		0.018	0.075	0.104	0.395	0.521	0.587	0.000	0.036
%RSD		2.347	156.600	59.520	23.390	111.400	11.930	0.000	0.151

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:42:28	87.111%	0.462	0.526	85.862%	-0.015	-0.006	0.042	0.033
2	01:43:11	88.826%	0.529	0.431	92.460%	-0.012	-0.008	-0.055	-0.026
3	01:43:54	90.183%	0.420	0.431	93.463%	-0.016	-0.005	-0.043	-0.024
x		88.707%	0.470	0.463	90.595%	-0.014	-0.006	-0.019	-0.006
σ		1.540%	0.055	0.055	4.130%	0.002	0.002	0.053	0.034
%RSD		1.736	11.690	11.880	4.559	12.130	24.970	279.400	593.200

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:42:28	85.816%	-0.432	-0.045	-0.057	4.186	4.331	88.058%	88.229%
2	01:43:11	88.413%	-0.394	-0.038	-0.044	4.302	4.472	90.459%	90.136%
3	01:43:54	88.999%	-0.417	-0.053	-0.034	4.366	4.433	91.766%	91.916%
x		87.743%	-0.414	-0.045	-0.045	4.285	4.412	90.094%	90.094%
σ		1.694%	0.019	0.007	0.012	0.091	0.073	1.880%	1.844%
%RSD		1.931	4.666	16.510	26.100	2.122	1.646	2.087	2.046

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:42:28	-0.005	-0.002	0.217	0.230	0.208	87.919%
2	01:43:11	-0.009	-0.012	0.181	0.164	0.180	90.309%
3	01:43:54	-0.010	-0.007	0.154	0.153	0.149	92.105%
x		-0.008	-0.007	0.184	0.182	0.179	90.111%
σ		0.002	0.005	0.031	0.042	0.030	2.100%
%RSD		28.950	71.760	17.060	23.000	16.650	2.330

500-48805-G-10-B MS 8/24/2012 1:46:05 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	01:46:48	87.013%	47.090	991.600	1003.000	0.000	54680.000	62120.000	63530.000
2	01:47:31	89.001%	46.260	1014.000	1003.000	0.000	53750.000	62490.000	63940.000
3	01:48:14	88.096%	46.970	1016.000	1013.000	0.000	53580.000	63030.000	64350.000
x		88.037%	46.770	1007.000	1006.000	0.000	54000.000	62550.000	63940.000
σ		0.995%	0.444	13.640	5.836	0.000	591.800	458.100	409.600
%RSD		1.130	0.950	1.355	0.580	0.000	1.096	0.732	0.641

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:46:48	2012.000	10630.000	0.000	51530.000	83310.000	87850.000	82.601%	983.800
2	01:47:31	2031.000	10700.000	0.000	50590.000	82550.000	86990.000	83.879%	974.700
3	01:48:14	2039.000	10770.000	0.000	50260.000	81940.000	87380.000	84.507%	988.400
x		2027.000	10700.000	0.000	50790.000	82600.000	87410.000	83.662%	982.300
σ		13.960	73.290	0.000	658.800	686.900	427.000	0.971%	6.953
%RSD		0.688	0.685	0.000	1.297	0.832	0.489	1.161	0.708

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:46:48	494.500	203.100	501.000	1157.000	1331.000	475.600	471.700	240.000
2	01:47:31	503.700	205.200	506.000	1160.000	1331.000	477.600	472.300	240.500
3	01:48:14	503.400	202.900	503.600	1147.000	1303.000	470.800	465.000	238.000
x		500.500	203.700	503.500	1155.000	1322.000	474.700	469.700	239.500
σ		5.219	1.253	2.487	7.055	16.060	3.451	4.032	1.293
%RSD		1.043	0.615	0.494	0.611	1.215	0.727	0.859	0.540

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:46:48	240.300	466.100	466.500	41.180	9.126	13.420	0.000	1116.000
2	01:47:31	241.200	465.900	467.300	42.750	8.872	14.740	0.000	1115.000
3	01:48:14	236.500	461.700	460.500	40.900	8.973	11.100	0.000	1111.000
x		239.300	464.600	464.800	41.610	8.990	13.090	0.000	1114.000
σ		2.479	2.503	3.707	0.996	0.128	1.842	0.000	2.332
%RSD		1.036	0.539	0.797	2.394	1.424	14.070	0.000	0.209

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:46:48	84.718%	1004.000	1008.000	82.015%	48.200	48.050	49.040	44.980
2	01:47:31	87.004%	1014.000	1016.000	83.670%	48.520	48.430	48.370	45.190
3	01:48:14	87.751%	1021.000	1023.000	83.752%	48.330	48.400	48.220	44.860
x		86.491%	1013.000	1016.000	83.146%	48.350	48.290	48.550	45.010
σ		1.580%	8.386	7.580	0.980%	0.163	0.208	0.439	0.170
%RSD		1.827	0.828	0.746	1.179	0.337	0.430	0.904	0.378

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:46:48	82.941%	1873.000	477.900	480.000	1951.000	1927.000	87.207%	87.754%
2	01:47:31	85.316%	1875.000	478.900	480.400	1948.000	1930.000	89.626%	89.947%
3	01:48:14	86.086%	1887.000	481.000	482.000	1962.000	1934.000	89.947%	90.667%
x		84.781%	1878.000	479.200	480.800	1954.000	1931.000	88.927%	89.456%
σ		1.639%	7.310	1.587	1.078	7.108	3.352	1.498%	1.517%
%RSD		1.933	0.389	0.331	0.224	0.364	0.174	1.685	1.696

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:46:48	45.190	44.980	18.590	19.070	18.820	91.514%
2	01:47:31	46.170	46.130	18.960	19.270	19.020	92.802%
3	01:48:14	46.390	46.460	19.060	19.200	19.110	92.589%
x		45.910	45.860	18.870	19.180	18.980	92.302%
σ		0.637	0.778	0.252	0.101	0.150	0.690%
%RSD		1.387	1.697	1.334	0.524	0.793	0.748

CCV 496055 8/24/2012 1:53:19 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	01:54:02	83.922%	98.300	101.900	102.300	0.000	48890.000	50980.000	51960.000
2	01:54:45	86.202%	94.430	101.700	98.390	0.000	47850.000	50880.000	51800.000
3	01:55:28	85.951%	96.360	108.800	101.800	0.000	48150.000	51620.000	52610.000
x		85.358%	96.364%	104.141%	100.815%	0.000	96.595%	102.318%	104.253%
σ		1.250%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.465	2.009	3.870	2.097	0.000	1.116	0.779	0.821

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:54:02	500.600	5115.000	0.000	51540.000	48950.000	46520.000	83.256%	100.500
2	01:54:45	497.400	4930.000	0.000	50570.000	48740.000	44360.000	84.322%	98.150
3	01:55:28	506.500	4998.000	0.000	50760.000	49570.000	46060.000	84.341%	100.100
x		100.302%	100.281%	0.000	101.909%	98.167%	91.295%	83.973%	99.593%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.621%	n/a
%RSD		0.915	1.864	0.000	1.012	0.876	2.499	0.739	1.271

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:54:02	99.670	100.200	497.900	26240.000	24840.000	98.650	97.870	97.680
2	01:54:45	99.970	101.300	501.100	26210.000	24970.000	97.750	97.090	97.110
3	01:55:28	101.500	101.100	502.600	26250.000	25030.000	98.800	98.290	97.580
x		100.379%	100.867%	100.105%	104.938%	99.783%	98.398%	97.750%	97.454%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.979	0.539	0.478	0.082	0.384	0.578	0.627	0.314

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:54:02	99.820	98.830	99.640	98.990	96.160	99.610	0.000	97.570
2	01:54:45	96.940	99.510	98.760	98.320	97.870	101.900	0.000	98.200
3	01:55:28	98.840	97.850	98.710	99.510	99.220	103.600	0.000	98.310
x		98.534%	98.728%	99.039%	98.940%	97.748%	101.701%	0.000	98.029%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.489	0.846	0.531	0.605	1.569	1.954	0.000	0.407

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:54:02	85.021%	98.660	99.220	80.535%	99.620	99.970	100.300	100.200
2	01:54:45	86.779%	101.400	101.400	83.994%	98.750	98.100	97.720	99.700
3	01:55:28	87.488%	104.500	103.900	84.655%	98.030	98.540	100.600	100.000
x		86.429%	101.518%	101.515%	83.061%	98.800%	98.873%	99.527%	99.967%
σ		1.270%	n/a	n/a	2.213%	n/a	n/a	n/a	n/a
%RSD		1.470	2.875	2.309	2.664	0.804	0.990	1.580	0.244

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:54:02	83.542%	97.280	97.690	97.970	100.300	99.570	86.426%	87.534%
2	01:54:45	85.917%	97.740	97.150	97.270	99.570	99.400	89.253%	89.942%
3	01:55:28	87.197%	96.890	97.420	97.490	101.400	99.150	90.605%	90.919%
x		85.552%	97.305%	97.419%	97.576%	100.411%	99.373%	88.761%	89.465%
σ		1.855%	n/a	n/a	n/a	n/a	n/a	2.133%	1.742%
%RSD		2.168	0.440	0.277	0.368	0.908	0.212	2.403	1.947

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:54:02	95.680	95.380	95.430	95.820	95.270	89.223%
2	01:54:45	97.070	97.130	96.630	97.360	97.070	90.772%
3	01:55:28	97.610	97.840	97.930	98.160	97.950	91.295%
x		96.786%	96.784%	96.661%	97.113%	96.763%	90.430%
σ		n/a	n/a	n/a	n/a	n/a	1.078%
%RSD		1.027	1.311	1.292	1.224	1.408	1.192

CCB10 8/24/2012 2:00:33 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	02:01:16	90.916%	0.015	3.688	3.447	0.000	7.207	8.085	7.940
2	02:01:59	90.509%	0.001	3.226	4.096	0.000	9.322	9.965	11.200
3	02:02:42	90.636%	-0.028	2.653	3.445	0.000	15.370	14.450	15.010
x		90.687%	-0.004	3.189	3.662	0.000	10.630	10.830	11.380
σ		0.209%	0.022	0.518	0.375	0.000	4.234	3.272	3.538
%RSD		0.230	549.800	16.260	10.240	0.000	39.820	30.200	31.080

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:01:16	-0.415	1.536	0.000	13.990	-29.950	-9.307	93.249%	0.179
2	02:01:59	-0.239	1.204	0.000	7.529	-19.460	-6.648	94.943%	0.258
3	02:02:42	-0.038	2.564	0.000	9.475	-2.828	2.326	95.728%	0.125
x		-0.231	1.768	0.000	10.330	-17.410	-4.543	94.640%	0.188
σ		0.189	0.709	0.000	3.316	13.680	6.095	1.267%	0.066
%RSD		81.920	40.120	0.000	32.090	78.550	134.200	1.339	35.470

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:01:16	-0.302	0.169	0.124	16.840	19.150	0.019	-0.038	-0.048
2	02:01:59	0.378	0.184	0.090	12.660	10.840	0.027	-0.019	-0.030
3	02:02:42	0.601	0.175	0.164	11.840	11.040	0.034	-0.020	-0.013
x		0.226	0.176	0.126	13.780	13.680	0.027	-0.025	-0.030
σ		0.470	0.008	0.037	2.682	4.742	0.008	0.011	0.017
%RSD		208.600	4.345	29.610	19.460	34.670	29.040	41.520	56.480

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:01:16	0.139	-0.493	-0.551	-0.242	-0.434	-0.272	0.000	0.093
2	02:01:59	0.023	-0.302	-0.617	-0.442	-2.593	-1.783	0.000	0.099
3	02:02:42	0.123	-0.462	-0.421	0.160	-2.320	-0.446	0.000	0.130
x		0.095	-0.419	-0.530	-0.175	-1.782	-0.833	0.000	0.108
σ		0.063	0.103	0.100	0.306	1.176	0.827	0.000	0.020
%RSD		66.080	24.540	18.810	175.400	65.970	99.200	0.000	18.440

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:01:16	93.134%	0.915	0.881	84.304%	0.006	0.007	0.041	0.027
2	02:01:59	95.379%	0.881	0.851	91.370%	0.007	0.010	-0.032	-0.013
3	02:02:42	96.511%	0.748	0.667	92.381%	0.006	0.023	-0.024	-0.020
x		95.008%	0.848	0.799	89.352%	0.006	0.013	-0.005	-0.002
σ		1.719%	0.089	0.116	4.400%	0.001	0.009	0.040	0.025
%RSD		1.809	10.460	14.530	4.925	12.870	64.130	758.100	1263.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:01:16	84.846%	-0.160	0.046	0.033	0.146	0.104	85.911%	85.866%
2	02:01:59	86.579%	-0.347	0.013	0.044	0.135	0.167	87.777%	88.185%
3	02:02:42	88.356%	-0.364	0.038	0.044	0.221	0.192	89.575%	90.210%
x		86.593%	-0.291	0.032	0.040	0.167	0.154	87.754%	88.087%
σ		1.755%	0.113	0.017	0.006	0.047	0.045	1.832%	2.174%
%RSD		2.027	38.940	53.180	15.120	27.850	29.460	2.088	2.468

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:01:16	0.047	0.047	0.125	0.129	0.141	90.145%
2	02:01:59	0.038	0.041	0.123	0.113	0.117	92.531%
3	02:02:42	0.057	0.047	0.118	0.125	0.109	93.464%
x		0.047	0.045	0.122	0.122	0.122	92.047%
σ		0.010	0.003	0.004	0.008	0.017	1.712%
%RSD		20.900	7.444	3.033	6.546	14.050	1.860

500-48805-G-10-C MSD 8/24/2012 2:04:55 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	02:05:38	84.919%	45.910	963.100	967.200	0.000	53250.000	61670.000	63290.000
2	02:06:21	86.581%	44.210	970.600	972.300	0.000	52530.000	62710.000	64320.000
3	02:07:04	88.658%	45.100	985.100	983.700	0.000	52830.000	62670.000	64520.000
x		86.719%	45.070	972.900	974.400	0.000	52870.000	62350.000	64040.000
σ		1.873%	0.848	11.180	8.428	0.000	362.900	586.600	660.000
%RSD		2.160	1.881	1.149	0.865	0.000	0.687	0.941	1.031

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:05:38	2066.000	10670.000	0.000	50440.000	84170.000	89220.000	80.257%	984.700
2	02:06:21	2103.000	10810.000	0.000	50240.000	83480.000	88940.000	81.638%	986.700
3	02:07:04	2106.000	10870.000	0.000	50580.000	83550.000	89460.000	82.374%	985.600
x		2092.000	10780.000	0.000	50420.000	83730.000	89210.000	81.423%	985.600
σ		22.410	101.200	0.000	171.300	378.200	260.600	1.075%	0.981
%RSD		1.071	0.939	0.000	0.340	0.452	0.292	1.320	0.099

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:05:38	496.700	201.000	511.200	1256.000	1404.000	468.400	465.500	237.000
2	02:06:21	502.900	203.800	515.100	1256.000	1425.000	473.600	469.100	239.800
3	02:07:04	502.300	204.100	518.800	1264.000	1416.000	474.300	469.800	238.900
x		500.600	203.000	515.000	1259.000	1415.000	472.100	468.100	238.600
σ		3.438	1.750	3.829	4.479	10.640	3.222	2.288	1.453
%RSD		0.687	0.862	0.744	0.356	0.752	0.682	0.489	0.609

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:05:38	239.000	458.200	456.500	40.470	10.010	16.270	0.000	1119.000
2	02:06:21	236.800	464.700	460.300	38.820	9.052	11.780	0.000	1115.000
3	02:07:04	237.900	461.300	460.500	40.990	10.230	14.930	0.000	1113.000
x		237.900	461.400	459.100	40.090	9.765	14.330	0.000	1116.000
σ		1.092	3.280	2.219	1.132	0.627	2.301	0.000	3.272
%RSD		0.459	0.711	0.483	2.824	6.420	16.060	0.000	0.293

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:05:38	82.893%	1003.000	1010.000	80.292%	48.340	47.820	47.690	44.070
2	02:06:21	86.087%	1025.000	1031.000	81.281%	49.280	48.990	49.040	44.270
3	02:07:04	87.042%	1023.000	1030.000	82.994%	48.660	48.250	48.500	45.420
x		85.341%	1017.000	1024.000	81.522%	48.760	48.350	48.410	44.580
σ		2.173%	12.160	11.660	1.367%	0.480	0.593	0.679	0.729
%RSD		2.546	1.196	1.138	1.677	0.984	1.226	1.402	1.635

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:05:38	81.483%	1866.000	480.000	481.700	1942.000	1927.000	86.306%	87.293%
2	02:06:21	83.518%	1909.000	484.100	485.000	1953.000	1944.000	88.757%	90.165%
3	02:07:04	85.037%	1864.000	479.600	480.600	1952.000	1934.000	89.916%	90.432%
x		83.346%	1880.000	481.200	482.400	1949.000	1935.000	88.326%	89.297%
σ		1.783%	25.390	2.510	2.276	6.360	8.203	1.843%	1.740%
%RSD		2.140	1.351	0.522	0.472	0.326	0.424	2.087	1.949

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:05:38	45.680	45.730	19.240	19.290	19.210	89.880%
2	02:06:21	46.080	46.360	19.340	19.320	19.310	92.019%
3	02:07:04	46.830	46.920	19.400	19.180	19.420	92.325%
x		46.190	46.340	19.320	19.260	19.310	91.408%
σ		0.583	0.598	0.080	0.072	0.107	1.333%
%RSD		1.261	1.290	0.416	0.375	0.554	1.458

500-48805-G-12-A 8/24/2012 2:09:17 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	02:10:00	81.109%	0.024	461.000	471.600	0.000	621300.000	30090.000	31010.000
2	02:10:43	82.201%	0.070	475.400	481.000	0.000	616700.000	30860.000	31770.000
3	02:11:26	84.406%	0.021	449.700	468.500	0.000	599400.000	30530.000	31590.000
x		82.572%	0.038	462.100	473.700	0.000	612400.000	30490.000	31460.000
σ		1.680%	0.027	12.880	6.501	0.000	11520.000	383.800	395.000
%RSD		2.034	72.240	2.787	1.373	0.000	1.882	1.259	1.255

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:10:00	59.920	12200.000	0.000	14000.000	130100.000	139900.000	79.458%	3.965
2	02:10:43	61.850	12390.000	0.000	13980.000	130400.000	140100.000	80.890%	3.546
3	02:11:26	61.110	12270.000	0.000	13790.000	128900.000	138800.000	81.483%	2.777
x		60.960	12290.000	0.000	13920.000	129800.000	139600.000	80.610%	3.429
σ		0.973	99.840	0.000	118.800	792.200	713.800	1.041%	0.603
%RSD		1.595	0.813	0.000	0.854	0.610	0.511	1.291	17.570

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:10:00	6.542	5.877	178.700	583.900	994.200	0.679	0.777	3.571
2	02:10:43	4.695	5.706	180.300	591.900	984.600	0.690	0.997	3.303
3	02:11:26	2.702	5.826	179.700	589.000	992.600	0.679	0.861	3.135
x		4.646	5.803	179.600	588.300	990.500	0.683	0.878	3.336
σ		1.920	0.088	0.803	4.059	5.118	0.006	0.111	0.220
%RSD		41.330	1.520	0.447	0.690	0.517	0.936	12.640	6.591

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:10:00	1.083	2.614	2.481	3.503	2.978	11.670	0.000	467.300
2	02:10:43	1.151	2.811	2.547	4.691	1.551	10.790	0.000	468.600
3	02:11:26	1.106	3.009	2.710	4.429	1.283	8.649	0.000	469.900
x		1.113	2.811	2.579	4.208	1.937	10.370	0.000	468.600
σ		0.035	0.198	0.118	0.624	0.911	1.556	0.000	1.281
%RSD		3.103	7.027	4.557	14.830	47.020	15.000	0.000	0.273

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:10:00	82.684%	15.800	16.260	77.913%	0.005	0.009	0.165	0.025
2	02:10:43	85.607%	13.440	13.700	78.899%	-0.003	0.008	0.034	0.015
3	02:11:26	86.981%	12.040	12.320	80.426%	0.000	0.010	0.073	-0.030
x		85.091%	13.760	14.090	79.079%	0.001	0.009	0.091	0.004
σ		2.194%	1.899	1.997	1.266%	0.004	0.001	0.067	0.029
%RSD		2.579	13.800	14.170	1.601	571.200	11.510	74.130	831.700

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:10:00	80.468%	33.990	0.545	0.550	53.450	54.190	84.360%	84.862%
2	02:10:43	82.707%	26.210	0.422	0.429	53.920	53.960	88.426%	88.842%
3	02:11:26	84.153%	20.870	0.318	0.270	54.920	54.410	89.362%	90.175%
x		82.443%	27.020	0.428	0.416	54.090	54.190	87.383%	87.960%
σ		1.857%	6.598	0.113	0.141	0.749	0.227	2.659%	2.764%
%RSD		2.252	24.420	26.480	33.820	1.385	0.420	3.043	3.143

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:10:00	0.420	0.428	0.226	0.219	0.208	86.226%
2	02:10:43	0.295	0.290	0.192	0.205	0.186	89.174%
3	02:11:26	0.215	0.229	0.191	0.192	0.195	90.419%
x		0.310	0.316	0.203	0.205	0.197	88.607%
σ		0.103	0.102	0.020	0.013	0.011	2.153%
%RSD		33.320	32.400	9.691	6.388	5.622	2.430

500-48805-G-13-A 8/24/2012 2:13:38 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	02:14:21	80.098%	0.041	576.300	598.700	0.000	78070.000	27860.000	29050.000
2	02:15:04	80.957%	0.024	559.400	581.500	0.000	76830.000	28050.000	29280.000
3	02:15:47	81.025%	0.024	568.200	592.100	0.000	75810.000	28300.000	29490.000
x		80.693%	0.029	568.000	590.700	0.000	76900.000	28070.000	29270.000
σ		0.516%	0.010	8.449	8.678	0.000	1132.000	219.500	221.500
%RSD		0.640	33.310	1.488	1.469	0.000	1.472	0.782	0.757

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:14:21	241.600	15590.000	0.000	3975.000	83980.000	90910.000	80.037%	6.025
2	02:15:04	246.100	15540.000	0.000	3921.000	83640.000	91520.000	80.687%	6.340
3	02:15:47	248.400	15640.000	0.000	3912.000	84900.000	90890.000	80.444%	5.488
x		245.400	15590.000	0.000	3936.000	84170.000	91110.000	80.389%	5.951
σ		3.451	48.690	0.000	33.760	653.000	362.200	0.328%	0.431
%RSD		1.406	0.312	0.000	0.858	0.776	0.398	0.408	7.236

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:14:21	2.628	4.467	67.310	5039.000	4932.000	0.401	0.297	1.237
2	02:15:04	5.596	4.586	67.970	5040.000	4928.000	0.339	0.364	1.154
3	02:15:47	5.681	4.584	67.970	5012.000	4904.000	0.337	0.428	1.220
x		4.635	4.545	67.750	5030.000	4921.000	0.359	0.363	1.204
σ		1.739	0.068	0.383	16.190	15.080	0.036	0.066	0.044
%RSD		37.510	1.505	0.565	0.322	0.306	10.170	18.150	3.656

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:14:21	1.256	2.998	2.664	72.480	-0.325	6.140	0.000	737.500
2	02:15:04	1.100	2.918	2.879	72.360	-1.195	5.710	0.000	726.600
3	02:15:47	1.197	3.246	2.658	70.050	-1.370	5.423	0.000	731.600
x		1.184	3.054	2.734	71.630	-0.963	5.758	0.000	731.900
σ		0.079	0.171	0.126	1.370	0.559	0.361	0.000	5.459
%RSD		6.646	5.588	4.618	1.913	58.070	6.264	0.000	0.746

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:14:21	85.336%	4.932	5.028	81.612%	-0.012	-0.001	0.070	0.024
2	02:15:04	86.519%	5.159	5.079	82.893%	-0.000	-0.004	0.058	0.068
3	02:15:47	87.537%	4.687	4.804	83.086%	-0.012	0.003	0.011	0.006
x		86.464%	4.926	4.970	82.530%	-0.008	-0.000	0.046	0.033
σ		1.102%	0.236	0.147	0.801%	0.007	0.004	0.031	0.032
%RSD		1.274	4.794	2.953	0.970	81.460	808.400	66.710	98.400

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:14:21	82.828%	12.790	0.102	0.056	122.400	123.500	88.015%	88.464%
2	02:15:04	85.096%	11.420	0.076	0.105	123.200	121.600	89.798%	90.549%
3	02:15:47	85.309%	10.320	0.071	0.045	122.300	121.700	90.574%	90.784%
x		84.411%	11.510	0.083	0.069	122.600	122.200	89.462%	89.932%
σ		1.375%	1.238	0.017	0.032	0.463	1.080	1.312%	1.277%
%RSD		1.629	10.760	20.130	46.540	0.378	0.883	1.467	1.420

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:14:21	0.074	0.081	0.337	0.341	0.353	90.084%
2	02:15:04	0.068	0.075	0.363	0.343	0.344	91.976%
3	02:15:47	0.066	0.090	0.312	0.347	0.322	92.834%
x		0.070	0.082	0.338	0.344	0.340	91.631%
σ		0.004	0.008	0.025	0.003	0.016	1.407%
%RSD		5.996	9.371	7.521	0.913	4.721	1.535

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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	02:18:43	87.541%	0.018	38.030	38.050	0.000	8451.000	11910.000	12460.000
2	02:19:26	88.712%	0.046	37.730	37.830	0.000	8571.000	12200.000	12690.000
3	02:20:09	90.189%	0.016	36.850	35.270	0.000	8505.000	12180.000	12700.000
x		88.814%	0.027	37.540	37.050	0.000	8509.000	12090.000	12620.000
σ		1.327%	0.017	0.616	1.544	0.000	60.510	160.000	136.000
%RSD		1.494	62.970	1.640	4.168	0.000	0.711	1.323	1.078

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:18:43	42.250	890.400	0.000	2210.000	34250.000	33940.000	80.498%	1.560
2	02:19:26	43.940	901.100	0.000	2205.000	35200.000	34480.000	81.219%	2.041
3	02:20:09	43.040	891.200	0.000	2201.000	34970.000	34290.000	81.890%	2.024
x		43.080	894.200	0.000	2205.000	34810.000	34230.000	81.202%	1.875
σ		0.846	5.948	0.000	4.403	499.500	273.700	0.696%	0.273
%RSD		1.964	0.665	0.000	0.200	1.435	0.799	0.857	14.570

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:18:43	3.801	4.639	7.064	90.870	184.000	0.117	0.564	3.297
2	02:19:26	6.093	4.669	7.034	90.790	181.700	0.097	0.518	3.233
3	02:20:09	7.910	4.798	7.215	89.610	172.400	0.092	0.491	3.198
x		5.935	4.702	7.104	90.420	179.400	0.102	0.524	3.243
σ		2.059	0.085	0.097	0.705	6.149	0.013	0.036	0.050
%RSD		34.690	1.798	1.371	0.780	3.428	13.000	6.951	1.544

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:18:43	3.610	2.574	2.414	-0.335	-0.392	5.316	0.000	121.200
2	02:19:26	3.444	2.283	2.343	4.931	-1.672	7.351	0.000	122.200
3	02:20:09	3.199	2.314	2.282	5.745	-0.622	8.027	0.000	122.400
x		3.418	2.390	2.346	3.447	-0.895	6.898	0.000	122.000
σ		0.207	0.160	0.066	3.300	0.683	1.411	0.000	0.650
%RSD		6.044	6.686	2.824	95.740	76.250	20.460	0.000	0.533

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:18:43	85.149%	2.779	2.829	81.960%	-0.017	-0.005	-0.036	-0.028
2	02:19:26	87.028%	2.666	2.618	84.188%	-0.004	-0.009	-0.027	-0.016
3	02:20:09	88.070%	2.583	2.574	84.888%	-0.006	-0.008	-0.014	-0.011
x		86.749%	2.676	2.674	83.679%	-0.009	-0.007	-0.026	-0.019
σ		1.480%	0.098	0.136	1.529%	0.007	0.002	0.011	0.009
%RSD		1.706	3.672	5.097	1.827	76.800	29.130	43.790	48.710

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:18:43	83.213%	8.253	0.236	0.205	22.330	22.080	86.731%	87.260%
2	02:19:26	86.058%	7.815	0.256	0.206	22.050	21.670	89.514%	89.808%
3	02:20:09	85.848%	7.260	0.204	0.238	23.000	22.320	90.367%	90.946%
x		85.040%	7.776	0.232	0.217	22.460	22.020	88.871%	89.338%
σ		1.586%	0.498	0.026	0.019	0.487	0.328	1.902%	1.887%
%RSD		1.864	6.399	11.100	8.715	2.169	1.488	2.140	2.113

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:18:43	0.072	0.063	0.507	0.479	0.483	89.822%
2	02:19:26	0.047	0.047	0.456	0.467	0.455	91.101%
3	02:20:09	0.063	0.056	0.435	0.470	0.462	92.482%
x		0.061	0.055	0.466	0.472	0.467	91.135%
σ		0.013	0.008	0.037	0.006	0.015	1.330%
%RSD		20.650	14.270	7.885	1.299	3.172	1.460

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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	02:23:06	82.411%	-0.009	199.200	208.600	0.000	137000.000	9360.000	9730.000
2	02:23:49	83.777%	0.068	206.100	204.100	0.000	137400.000	9607.000	9983.000
3	02:24:32	83.680%	-0.010	204.900	209.200	0.000	136400.000	9582.000	10010.000
x		83.289%	0.016	203.400	207.300	0.000	136900.000	9516.000	9908.000
σ		0.762%	0.044	3.663	2.806	0.000	504.900	136.300	154.400
%RSD		0.915	270.100	1.801	1.354	0.000	0.369	1.433	1.558

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:23:06	118.600	27490.000	0.000	46350.000	61260.000	65800.000	79.829%	8.961
2	02:23:49	121.700	27750.000	0.000	46420.000	62360.000	66520.000	80.182%	8.562
3	02:24:32	121.200	27960.000	0.000	46150.000	61570.000	66420.000	80.572%	9.961
x		120.500	27730.000	0.000	46300.000	61730.000	66240.000	80.195%	9.161
σ		1.666	233.200	0.000	142.100	566.500	391.100	0.372%	0.721
%RSD		1.383	0.841	0.000	0.307	0.918	0.590	0.464	7.870

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:23:06	30.760	6.361	113.300	1149.000	1335.000	0.161	0.224	1.450
2	02:23:49	30.420	6.213	114.500	1250.000	1318.000	0.195	0.426	1.425
3	02:24:32	33.700	6.252	114.500	1251.000	1329.000	0.206	0.352	1.572
x		31.630	6.275	114.100	1217.000	1327.000	0.187	0.334	1.482
σ		1.801	0.076	0.687	58.840	8.894	0.024	0.102	0.079
%RSD		5.694	1.218	0.602	4.835	0.670	12.670	30.610	5.307

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:23:06	1.180	17.310	17.720	6.851	-1.075	3.897	0.000	454.200
2	02:23:49	1.070	17.020	17.190	10.340	-1.062	6.586	0.000	452.900
3	02:24:32	1.035	16.920	17.160	9.456	-1.365	7.225	0.000	454.600
x		1.095	17.080	17.360	8.882	-1.167	5.903	0.000	453.900
σ		0.076	0.198	0.318	1.813	0.172	1.766	0.000	0.903
%RSD		6.913	1.161	1.829	20.420	14.690	29.920	0.000	0.199

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:23:06	83.724%	28.270	28.720	80.268%	-0.009	0.004	-0.075	-0.012
2	02:23:49	86.690%	28.760	28.850	80.539%	-0.009	0.006	-0.000	-0.015
3	02:24:32	87.464%	28.320	29.110	83.183%	-0.003	-0.001	0.037	-0.023
x		85.959%	28.450	28.900	81.330%	-0.007	0.003	-0.013	-0.016
σ		1.974%	0.269	0.199	1.610%	0.004	0.004	0.057	0.006
%RSD		2.297	0.946	0.689	1.980	51.990	130.300	443.200	33.770

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:23:06	82.055%	6.985	0.046	0.039	53.040	52.760	87.384%	87.688%
2	02:23:49	84.616%	6.442	0.076	0.026	54.000	53.280	89.549%	90.079%
3	02:24:32	85.023%	5.879	0.041	0.054	54.320	53.590	90.758%	91.745%
x		83.898%	6.435	0.054	0.040	53.790	53.210	89.230%	89.837%
σ		1.609%	0.553	0.019	0.014	0.667	0.419	1.709%	2.039%
%RSD		1.918	8.593	35.760	35.000	1.241	0.787	1.916	2.269

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:23:06	0.018	0.025	2.020	2.083	1.986	91.406%
2	02:23:49	0.025	0.024	2.032	1.972	1.996	94.520%
3	02:24:32	0.016	0.019	1.991	1.999	1.961	94.519%
x		0.020	0.023	2.014	2.018	1.981	93.482%
σ		0.005	0.003	0.021	0.058	0.018	1.798%
%RSD		24.500	13.810	1.028	2.851	0.920	1.923

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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	02:27:27	83.253%	-0.009	178.800	183.200	0.000	35950.000	27880.000	29050.000
2	02:28:10	82.681%	0.054	191.100	185.700	0.000	35890.000	28680.000	29790.000
3	02:28:53	81.726%	0.039	185.300	189.500	0.000	35950.000	29050.000	30230.000
x		82.553%	0.028	185.100	186.100	0.000	35930.000	28540.000	29690.000
σ		0.771%	0.033	6.161	3.165	0.000	34.150	597.400	596.400
%RSD		0.934	118.300	3.329	1.701	0.000	0.095	2.093	2.009

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:27:27	105.300	13100.000	0.000	10820.000	96080.000	104300.000	78.970%	5.558
2	02:28:10	106.900	13290.000	0.000	10810.000	96020.000	105200.000	78.000%	5.739
3	02:28:53	110.300	13450.000	0.000	10830.000	96680.000	104500.000	77.969%	5.005
x		107.500	13280.000	0.000	10820.000	96260.000	104700.000	78.313%	5.434
σ		2.562	176.300	0.000	6.311	362.000	483.200	0.569%	0.382
%RSD		2.383	1.328	0.000	0.058	0.376	0.462	0.727	7.037

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:27:27	7.921	5.337	98.830	3405.000	3426.000	0.215	-0.076	1.195
2	02:28:10	4.820	5.441	100.500	3438.000	3456.000	0.224	-0.091	1.241
3	02:28:53	8.677	5.570	100.300	3436.000	3470.000	0.200	-0.116	1.474
x		7.139	5.450	99.860	3426.000	3451.000	0.213	-0.094	1.303
σ		2.044	0.116	0.903	18.660	22.340	0.012	0.020	0.149
%RSD		28.620	2.136	0.904	0.545	0.647	5.800	21.530	11.450

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:27:27	1.311	4.508	4.531	31.990	-2.090	6.297	0.000	416.800
2	02:28:10	1.509	4.219	4.141	33.690	-2.270	7.945	0.000	419.600
3	02:28:53	1.410	4.267	4.336	31.360	-1.823	4.815	0.000	420.400
x		1.410	4.331	4.336	32.350	-2.061	6.352	0.000	418.900
σ		0.099	0.155	0.195	1.206	0.225	1.566	0.000	1.897
%RSD		7.031	3.575	4.500	3.727	10.910	24.650	0.000	0.453

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:27:27	83.729%	10.220	10.240	79.966%	0.009	0.008	-0.003	0.006
2	02:28:10	85.267%	10.780	10.570	78.812%	0.006	0.002	-0.044	-0.024
3	02:28:53	85.708%	10.310	10.660	81.436%	-0.004	0.016	-0.017	-0.027
x		84.902%	10.440	10.490	80.071%	0.004	0.009	-0.022	-0.015
σ		1.039%	0.300	0.222	1.315%	0.006	0.007	0.021	0.018
%RSD		1.224	2.876	2.121	1.643	176.700	82.990	97.070	121.500

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:27:27	82.029%	4.101	-0.016	-0.008	116.800	114.900	86.035%	86.452%
2	02:28:10	82.801%	4.057	-0.004	-0.030	116.100	116.100	88.648%	89.357%
3	02:28:53	83.326%	4.038	-0.052	-0.016	116.400	117.000	90.070%	89.651%
x		82.719%	4.065	-0.024	-0.018	116.500	116.000	88.251%	88.487%
σ		0.652%	0.032	0.025	0.011	0.348	1.085	2.047%	1.768%
%RSD		0.788	0.796	104.000	59.770	0.299	0.935	2.319	1.998

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:27:27	0.020	0.011	0.475	0.429	0.450	88.441%
2	02:28:10	0.017	0.017	0.446	0.392	0.436	90.726%
3	02:28:53	0.021	0.004	0.404	0.376	0.379	91.623%
x		0.019	0.011	0.441	0.399	0.421	90.263%
σ		0.002	0.006	0.036	0.027	0.037	1.641%
%RSD		11.740	57.890	8.141	6.840	8.856	1.818

500-48805-G-17-A 8/24/2012 2:31:03 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	02:31:46	85.632%	0.035	477.900	473.700	0.000	78980.000	207.400	214.400
2	02:32:29	84.325%	0.051	480.800	480.400	0.000	78440.000	219.300	224.600
3	02:33:12	83.857%	-0.010	494.500	484.200	0.000	78920.000	210.300	224.800
x		84.604%	0.025	484.400	479.400	0.000	78780.000	212.400	221.200
σ		0.920%	0.032	8.863	5.315	0.000	294.600	6.240	5.952
%RSD		1.087	123.900	1.830	1.109	0.000	0.374	2.938	2.691

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:31:46	190.900	12640.000	0.000	53490.000	75460.000	81050.000	81.165%	2.544
2	02:32:29	198.500	12860.000	0.000	52900.000	75680.000	80350.000	81.620%	1.862
3	02:33:12	198.800	13000.000	0.000	52990.000	75710.000	80720.000	82.392%	2.220
x		196.100	12830.000	0.000	53130.000	75620.000	80710.000	81.726%	2.209
σ		4.451	181.200	0.000	317.100	139.000	347.700	0.620%	0.342
%RSD		2.270	1.412	0.000	0.597	0.184	0.431	0.759	15.470

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:31:46	5.114	3.964	6.230	141.300	373.000	0.128	0.255	0.898
2	02:32:29	6.145	4.128	6.534	136.700	363.500	0.123	0.110	0.742
3	02:33:12	6.646	3.891	6.516	136.100	354.800	0.101	0.057	0.561
x		5.969	3.994	6.427	138.100	363.800	0.117	0.141	0.734
σ		0.781	0.121	0.170	2.842	9.134	0.014	0.103	0.169
%RSD		13.090	3.036	2.652	2.059	2.511	12.060	72.850	22.990

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:31:46	0.731	3.139	3.128	0.315	0.288	0.038	0.000	558.200
2	02:32:29	0.721	3.140	2.841	2.913	-1.001	3.551	0.000	558.100
3	02:33:12	0.631	2.786	2.131	2.204	-1.213	2.770	0.000	561.500
x		0.694	3.022	2.700	1.811	-0.642	2.120	0.000	559.300
σ		0.055	0.204	0.513	1.343	0.813	1.844	0.000	1.947
%RSD		7.884	6.765	19.020	74.150	126.500	87.000	0.000	0.348

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:31:46	82.853%	44.610	44.320	80.425%	-0.014	-0.006	-0.025	-0.013
2	02:32:29	85.674%	44.440	45.320	82.023%	-0.020	-0.005	0.020	0.064
3	02:33:12	86.634%	44.290	45.490	83.468%	-0.022	-0.006	-0.022	-0.023
x		85.054%	44.450	45.040	81.972%	-0.019	-0.006	-0.009	0.009
σ		1.966%	0.162	0.630	1.523%	0.004	0.001	0.025	0.048
%RSD		2.311	0.363	1.399	1.857	23.430	12.350	280.300	504.200

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:31:46	81.719%	3.158	0.337	0.261	98.860	98.610	86.121%	86.512%
2	02:32:29	84.576%	3.113	0.292	0.315	99.660	97.500	88.704%	89.484%
3	02:33:12	85.188%	2.862	0.320	0.336	98.750	98.070	91.117%	91.029%
x		83.827%	3.045	0.316	0.304	99.090	98.060	88.648%	89.008%
σ		1.852%	0.160	0.023	0.039	0.494	0.555	2.498%	2.296%
%RSD		2.209	5.245	7.243	12.820	0.499	0.566	2.818	2.579

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:31:46	-0.005	0.002	0.192	0.192	0.191	90.709%
2	02:32:29	0.001	0.002	0.153	0.148	0.166	93.813%
3	02:33:12	-0.010	0.002	0.146	0.133	0.159	94.645%
x		-0.005	0.002	0.164	0.158	0.172	93.056%
σ		0.006	0.001	0.025	0.031	0.017	2.074%
%RSD		120.500	24.430	15.180	19.350	9.793	2.229

500-48805-G-17-A SD@5 8/24/2012 2:35:22 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:36:05	86.126%	0.034	95.840	100.500	0.000	15970.000	48.870	50.670
2	02:36:48	88.148%	0.003	93.590	91.260	0.000	15500.000	45.630	45.950
3	02:37:31	85.919%	-0.011	96.630	95.100	0.000	15650.000	47.530	48.640
x		86.731%	0.009	95.350	95.630	0.000	15710.000	47.340	48.420
σ		1.232%	0.023	1.579	4.666	0.000	239.600	1.628	2.369
%RSD		1.420	262.500	1.656	4.879	0.000	1.525	3.439	4.894

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:36:05	35.780	2417.000	0.000	10840.000	15080.000	14750.000	83.316%	0.464
2	02:36:48	38.180	2427.000	0.000	10810.000	15270.000	14810.000	83.096%	0.577
3	02:37:31	38.010	2436.000	0.000	10700.000	15000.000	14720.000	82.639%	0.505
x		37.320	2426.000	0.000	10790.000	15110.000	14760.000	83.017%	0.515
σ		1.342	9.337	0.000	72.770	136.900	43.530	0.345%	0.057
%RSD		3.595	0.385	0.000	0.675	0.906	0.295	0.416	11.070

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:36:05	-0.163	1.260	1.279	43.710	78.830	0.021	0.018	0.053
2	02:36:48	-0.140	1.261	1.349	41.040	73.880	0.021	0.025	0.081
3	02:37:31	1.335	1.174	1.429	39.850	70.270	0.020	-0.039	0.080
x		0.344	1.232	1.352	41.540	74.330	0.020	0.001	0.072
σ		0.858	0.050	0.075	1.978	4.296	0.001	0.035	0.016
%RSD		249.500	4.066	5.574	4.763	5.780	2.673	3829.000	21.940

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:36:05	0.196	0.697	0.479	0.375	-0.247	-0.670	0.000	112.800
2	02:36:48	0.146	0.650	0.850	1.148	-1.559	1.379	0.000	111.700
3	02:37:31	0.211	0.791	0.553	1.182	-1.577	1.743	0.000	112.100
x		0.184	0.713	0.627	0.901	-1.128	0.817	0.000	112.200
σ		0.034	0.072	0.196	0.457	0.763	1.301	0.000	0.564
%RSD		18.510	10.070	31.280	50.660	67.630	159.200	0.000	0.503

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:36:05	85.517%	8.825	8.775	84.099%	-0.019	-0.010	0.027	0.038
2	02:36:48	87.639%	8.492	8.644	90.577%	-0.016	-0.009	-0.026	-0.013
3	02:37:31	87.010%	8.591	8.844	90.102%	-0.016	-0.009	0.049	0.022
x		86.722%	8.636	8.754	88.259%	-0.017	-0.009	0.017	0.016
σ		1.090%	0.171	0.101	3.611%	0.002	0.000	0.039	0.026
%RSD		1.257	1.982	1.159	4.091	9.575	4.905	232.100	167.200

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:36:05	85.345%	-0.509	-0.008	-0.026	20.220	20.160	89.180%	89.178%
2	02:36:48	86.578%	-0.423	-0.025	-0.048	20.050	20.130	90.223%	90.836%
3	02:37:31	86.642%	-0.580	-0.019	-0.023	19.570	19.620	90.801%	91.221%
x		86.188%	-0.504	-0.017	-0.033	19.950	19.970	90.068%	90.411%
σ		0.731%	0.078	0.009	0.014	0.335	0.308	0.822%	1.085%
%RSD		0.849	15.580	51.270	42.050	1.681	1.540	0.912	1.200

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:36:05	-0.006	-0.013	0.116	0.125	0.120	93.510%
2	02:36:48	-0.022	-0.012	0.059	0.069	0.066	95.526%
3	02:37:31	-0.013	-0.015	0.076	0.053	0.064	95.660%
x		-0.014	-0.013	0.084	0.082	0.083	94.899%
σ		0.008	0.002	0.029	0.038	0.032	1.204%
%RSD		58.290	14.070	34.820	45.730	37.950	1.269

500-48805-G-17-B MS 8/24/2012 2:39:43 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	02:40:26	82.978%	48.970	1478.000	1472.000	0.000	127200.000	50400.000	51230.000
2	02:41:08	84.165%	47.530	1495.000	1487.000	0.000	125100.000	51070.000	52060.000
3	02:41:51	85.720%	46.340	1471.000	1482.000	0.000	124400.000	51200.000	52430.000
x		84.287%	47.610	1481.000	1480.000	0.000	125600.000	50890.000	51900.000
σ		1.375%	1.321	12.170	7.626	0.000	1492.000	425.700	611.400
%RSD		1.632	2.776	0.821	0.515	0.000	1.188	0.836	1.178

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:40:26	2124.000	22170.000	0.000	103200.000	125800.000	131200.000	80.342%	974.600
2	02:41:08	2164.000	22320.000	0.000	102700.000	125600.000	131800.000	80.636%	980.500
3	02:41:51	2175.000	22400.000	0.000	102200.000	125400.000	132700.000	81.362%	996.500
x		2154.000	22300.000	0.000	102700.000	125600.000	131900.000	80.780%	983.900
σ		27.060	118.500	0.000	508.200	162.400	750.000	0.525%	11.300
%RSD		1.256	0.531	0.000	0.495	0.129	0.569	0.650	1.149

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:40:26	496.200	199.200	498.700	1194.000	1513.000	478.400	473.700	239.300
2	02:41:08	501.600	202.200	506.200	1206.000	1513.000	478.900	474.000	235.700
3	02:41:51	508.000	204.900	508.300	1215.000	1525.000	480.500	474.600	238.000
x		501.900	202.100	504.400	1205.000	1517.000	479.300	474.100	237.700
σ		5.895	2.862	5.028	10.130	6.957	1.104	0.482	1.788
%RSD		1.174	1.416	0.997	0.841	0.459	0.230	0.102	0.752

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:40:26	239.800	470.600	468.400	41.830	6.710	8.931	0.000	1597.000
2	02:41:08	237.600	467.300	465.600	39.180	3.746	6.896	0.000	1592.000
3	02:41:51	237.500	462.800	465.700	40.280	4.501	7.123	0.000	1591.000
x		238.300	466.900	466.600	40.430	4.986	7.650	0.000	1593.000
σ		1.276	3.914	1.591	1.333	1.540	1.115	0.000	2.858
%RSD		0.535	0.838	0.341	3.297	30.890	14.580	0.000	0.179

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:40:26	81.788%	1057.000	1067.000	78.833%	48.050	48.640	48.510	44.140
2	02:41:08	84.572%	1075.000	1090.000	80.433%	49.100	48.770	49.160	45.760
3	02:41:51	85.593%	1080.000	1087.000	82.094%	48.630	48.430	50.380	46.080
x		83.984%	1071.000	1081.000	80.453%	48.590	48.620	49.350	45.320
σ		1.970%	11.970	12.290	1.631%	0.523	0.172	0.950	1.040
%RSD		2.345	1.118	1.136	2.027	1.076	0.353	1.925	2.296

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:40:26	80.846%	1923.000	482.300	483.200	2024.000	2010.000	85.465%	85.934%
2	02:41:08	82.573%	1946.000	485.700	489.300	2040.000	2012.000	88.878%	89.485%
3	02:41:51	83.506%	1960.000	487.000	490.700	2037.000	2019.000	90.097%	91.431%
x		82.308%	1943.000	485.000	487.800	2034.000	2014.000	88.147%	88.950%
σ		1.349%	18.830	2.431	3.993	8.364	4.379	2.401%	2.787%
%RSD		1.639	0.969	0.501	0.819	0.411	0.217	2.724	3.134

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:40:26	47.190	47.480	19.460	19.550	19.400	86.271%
2	02:41:08	47.520	47.580	19.230	19.330	19.310	89.169%
3	02:41:51	48.270	48.340	19.370	19.660	19.540	90.386%
x		47.660	47.800	19.350	19.510	19.420	88.608%
σ		0.556	0.470	0.119	0.170	0.117	2.114%
%RSD		1.167	0.983	0.617	0.872	0.603	2.386

500-48805-G-17-C MSD 8/24/2012 2:44:03 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	02:44:46	85.111%	48.720	1463.000	1470.000	0.000	124100.000	50410.000	51460.000
2	02:45:29	86.687%	48.410	1454.000	1475.000	0.000	123200.000	51000.000	52200.000
3	02:46:12	85.579%	47.620	1502.000	1514.000	0.000	124800.000	51760.000	53090.000
x		85.792%	48.250	1473.000	1487.000	0.000	124000.000	51060.000	52250.000
σ		0.809%	0.568	25.530	23.880	0.000	788.300	676.900	819.200
%RSD		0.943	1.177	1.733	1.606	0.000	0.636	1.326	1.568

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:44:46	2184.000	22100.000	0.000	101100.000	122200.000	129800.000	82.663%	989.700
2	02:45:29	2216.000	22320.000	0.000	101600.000	123900.000	130000.000	82.962%	999.300
3	02:46:12	2208.000	22550.000	0.000	101700.000	122600.000	130700.000	83.234%	998.200
x		2203.000	22320.000	0.000	101500.000	122900.000	130200.000	82.953%	995.700
σ		16.350	223.400	0.000	320.800	900.500	437.500	0.285%	5.247
%RSD		0.742	1.001	0.000	0.316	0.733	0.336	0.344	0.527

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:44:46	503.300	201.700	503.400	1238.000	1548.000	474.800	473.700	238.400
2	02:45:29	507.400	204.500	510.200	1241.000	1551.000	483.200	475.600	238.200
3	02:46:12	510.100	206.200	510.900	1248.000	1552.000	482.300	474.800	239.200
x		507.000	204.100	508.200	1242.000	1550.000	480.100	474.700	238.600
σ		3.425	2.272	4.131	5.556	2.170	4.612	0.953	0.534
%RSD		0.675	1.113	0.813	0.447	0.140	0.961	0.201	0.224

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:44:46	238.300	465.500	470.000	41.290	7.315	6.913	0.000	1593.000
2	02:45:29	238.500	471.400	468.200	39.810	3.839	7.276	0.000	1583.000
3	02:46:12	239.600	470.700	469.200	40.220	4.576	7.110	0.000	1593.000
x		238.800	469.200	469.100	40.440	5.244	7.100	0.000	1590.000
σ		0.707	3.227	0.858	0.761	1.832	0.182	0.000	5.569
%RSD		0.296	0.688	0.183	1.882	34.930	2.559	0.000	0.350

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:44:46	84.296%	1079.000	1093.000	79.437%	49.850	49.550	49.000	46.820
2	02:45:29	86.963%	1076.000	1085.000	83.209%	48.610	49.180	48.340	44.910
3	02:46:12	87.222%	1092.000	1106.000	81.822%	49.530	49.510	49.980	46.210
x		86.161%	1083.000	1095.000	81.489%	49.330	49.410	49.110	45.980
σ		1.620%	8.492	10.810	1.908%	0.643	0.203	0.827	0.977
%RSD		1.880	0.784	0.987	2.341	1.304	0.412	1.684	2.125

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:44:46	82.861%	1907.000	486.200	489.000	2037.000	2024.000	87.809%	88.249%
2	02:45:29	84.700%	1959.000	488.900	491.000	2043.000	2023.000	90.869%	91.317%
3	02:46:12	85.442%	1954.000	485.100	487.800	2047.000	2032.000	91.765%	91.723%
x		84.334%	1940.000	486.700	489.300	2042.000	2027.000	90.148%	90.430%
σ		1.329%	28.910	1.992	1.614	5.343	4.892	2.074%	1.899%
%RSD		1.575	1.490	0.409	0.330	0.262	0.241	2.301	2.100

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:44:46	47.540	48.040	19.540	19.700	19.600	88.530%
2	02:45:29	48.170	48.550	19.620	19.330	19.550	91.106%
3	02:46:12	48.700	48.880	19.710	19.890	19.700	90.963%
x		48.140	48.490	19.620	19.640	19.620	90.200%
σ		0.579	0.421	0.083	0.281	0.078	1.448%
%RSD		1.203	0.869	0.425	1.433	0.397	1.605

CCV 496055 8/24/2012 2:51:15 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	02:51:59	85.475%	97.890	117.900	111.600	0.000	50150.000	50240.000	50540.000
2	02:52:41	87.695%	97.170	105.000	103.000	0.000	48730.000	49860.000	50610.000
3	02:53:24	86.318%	96.530	108.800	105.300	0.000	49130.000	50770.000	51310.000
x		86.496%	97.194%	110.534%	106.616%	0.000	98.675%	100.575%	101.636%
σ		1.121%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.296	0.698	5.996	4.168	0.000	1.484	0.912	0.837

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:51:59	487.700	5099.000	0.000	51530.000	48400.000	44580.000	84.447%	100.500
2	02:52:41	488.000	5070.000	0.000	50730.000	48480.000	46730.000	85.048%	100.600
3	02:53:24	490.900	4947.000	0.000	51270.000	48780.000	47190.000	85.240%	102.200
x		97.776%	100.771%	0.000	102.350%	97.113%	92.335%	84.912%	101.100%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.414%	n/a
%RSD		0.366	1.601	0.000	0.799	0.414	3.017	0.488	0.922

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:51:59	98.920	99.130	492.700	25950.000	24530.000	98.830	97.630	99.140
2	02:52:41	99.110	98.950	494.200	26010.000	24700.000	98.600	98.490	97.270
3	02:53:24	98.220	99.220	498.800	26220.000	24830.000	99.610	99.340	99.460
x		98.751%	99.097%	99.050%	104.240%	98.752%	99.015%	98.488%	98.623%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.477	0.138	0.645	0.552	0.623	0.536	0.870	1.200

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:51:59	98.970	98.740	97.550	98.710	98.920	97.550	0.000	98.250
2	02:52:41	97.630	99.140	97.830	97.410	97.200	100.900	0.000	98.850
3	02:53:24	98.770	98.780	99.130	98.080	98.500	98.380	0.000	99.100
x		98.456%	98.889%	98.168%	98.067%	98.208%	98.958%	0.000	98.735%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.737	0.225	0.855	0.663	0.911	1.784	0.000	0.444

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:51:59	84.455%	97.360	97.330	82.412%	98.490	98.050	99.370	99.120
2	02:52:41	86.546%	102.900	103.200	83.091%	100.100	99.650	98.110	98.570
3	02:53:24	86.762%	104.900	104.500	84.705%	99.060	99.110	98.370	98.790
x		85.921%	101.717%	101.691%	83.403%	99.224%	98.934%	98.619%	98.825%
σ		1.274%	n/a	n/a	1.178%	n/a	n/a	n/a	n/a
%RSD		1.483	3.844	3.768	1.412	0.833	0.825	0.674	0.279

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:51:59	84.105%	98.400	96.960	97.120	97.300	97.370	87.657%	87.514%
2	02:52:41	86.511%	98.270	96.520	96.460	97.600	99.580	89.380%	90.101%
3	02:53:24	87.226%	98.940	97.610	96.740	99.190	99.430	90.810%	91.037%
x		85.947%	98.537%	97.029%	96.776%	98.032%	98.792%	89.282%	89.551%
σ		1.635%	n/a	n/a	n/a	n/a	n/a	1.579%	1.825%
%RSD		1.902	0.363	0.565	0.341	1.038	1.252	1.769	2.038

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:51:59	95.100	95.290	94.710	94.540	94.910	90.252%
2	02:52:41	96.790	97.380	96.950	96.550	96.610	92.065%
3	02:53:24	97.780	97.440	97.720	97.980	97.760	92.730%
x		96.558%	96.703%	96.461%	96.360%	96.427%	91.683%
σ		n/a	n/a	n/a	n/a	n/a	1.283%
%RSD		1.407	1.265	1.621	1.793	1.488	1.399

CCB11 8/24/2012 2:58:30 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	02:59:13	92.274%	0.014	6.857	7.427	0.000	3.536	9.637	9.151
2	02:59:56	94.608%	-0.029	7.579	6.349	0.000	14.460	16.100	17.550
3	03:00:39	92.780%	0.096	5.802	6.991	0.000	36.100	26.070	25.070
x		93.221%	0.027	6.746	6.922	0.000	18.030	17.270	17.260
σ		1.228%	0.064	0.894	0.543	0.000	16.570	8.281	7.962
%RSD		1.317	234.100	13.250	7.838	0.000	91.910	47.950	46.140

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:59:13	-0.440	-0.270	0.000	4.516	-24.360	-10.150	95.960%	0.158
2	02:59:56	-0.309	0.254	0.000	8.122	-15.700	3.395	97.356%	0.171
3	03:00:39	0.172	2.981	0.000	23.850	1.358	20.370	96.429%	0.286
x		-0.192	0.988	0.000	12.160	-12.900	4.536	96.582%	0.205
σ		0.322	1.745	0.000	10.280	13.090	15.290	0.710%	0.070
%RSD		167.700	176.600	0.000	84.520	101.400	337.100	0.735	34.330

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:59:13	0.241	0.215	0.081	14.840	14.740	0.015	-0.035	-0.014
2	02:59:56	0.686	0.192	0.200	12.940	14.610	0.053	0.038	-0.002
3	03:00:39	0.560	0.205	0.250	13.820	10.940	0.100	0.073	0.039
x		0.496	0.204	0.177	13.870	13.430	0.056	0.025	0.008
σ		0.229	0.012	0.087	0.953	2.158	0.043	0.055	0.028
%RSD		46.260	5.633	49.010	6.873	16.070	76.600	218.900	361.900

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:59:13	0.074	-0.370	-0.589	-0.235	-0.315	-3.067	0.000	0.100
2	02:59:56	0.128	-0.420	-0.516	-0.341	-1.399	-3.324	0.000	0.194
3	03:00:39	0.078	-0.298	-0.491	-0.875	-2.441	-3.857	0.000	0.304
x		0.093	-0.362	-0.532	-0.484	-1.385	-3.416	0.000	0.199
σ		0.030	0.061	0.050	0.343	1.063	0.403	0.000	0.102
%RSD		32.260	16.940	9.471	70.970	76.770	11.800	0.000	51.220

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:59:13	92.683%	1.105	1.122	91.151%	-0.007	0.003	-0.033	-0.010
2	02:59:56	95.742%	0.939	0.953	92.136%	0.016	0.021	0.013	0.053
3	03:00:39	96.185%	0.895	1.019	92.895%	0.027	0.024	0.044	0.044
x		94.870%	0.980	1.032	92.061%	0.012	0.016	0.008	0.029
σ		1.907%	0.111	0.085	0.875%	0.017	0.011	0.039	0.034
%RSD		2.010	11.310	8.283	0.950	141.900	68.510	475.100	118.800

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:59:13	85.966%	-0.084	0.081	0.054	0.191	0.223	85.791%	86.693%
2	02:59:56	87.957%	-0.135	0.071	0.057	0.338	0.281	88.990%	89.327%
3	03:00:39	88.988%	-0.140	0.110	0.066	0.301	0.392	90.158%	90.353%
x		87.637%	-0.120	0.087	0.059	0.277	0.299	88.313%	88.791%
σ		1.536%	0.031	0.020	0.006	0.077	0.086	2.261%	1.888%
%RSD		1.753	25.930	23.320	10.170	27.650	28.750	2.560	2.126

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:59:13	0.041	0.063	0.163	0.127	0.149	91.863%
2	02:59:56	0.069	0.063	0.123	0.109	0.129	93.993%
3	03:00:39	0.072	0.073	0.182	0.173	0.166	94.926%
x		0.061	0.066	0.156	0.137	0.148	93.594%
σ		0.017	0.006	0.030	0.033	0.019	1.570%
%RSD		27.900	8.644	19.300	24.320	12.540	1.678

500-48805-G-18-A 8/24/2012 3:02:52 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:03:35	83.499%	0.021	463.600	459.500	0.000	79250.000	189.700	193.600
2	03:04:18	84.661%	-0.025	477.500	474.000	0.000	78790.000	195.400	201.600
3	03:05:01	85.144%	0.020	473.900	475.000	0.000	79090.000	200.000	201.000
x		84.435%	0.005	471.700	469.500	0.000	79040.000	195.000	198.700
σ		0.846%	0.027	7.241	8.660	0.000	230.500	5.197	4.479
%RSD		1.002	494.600	1.535	1.845	0.000	0.292	2.664	2.254

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:03:35	196.700	12490.000	0.000	53030.000	75080.000	80320.000	80.756%	4.137
2	03:04:18	202.300	12660.000	0.000	53480.000	76390.000	80760.000	82.090%	2.949
3	03:05:01	204.400	12740.000	0.000	53210.000	76700.000	81290.000	82.520%	3.723
x		201.200	12630.000	0.000	53240.000	76050.000	80790.000	81.789%	3.603
σ		3.991	128.900	0.000	227.900	856.000	489.700	0.920%	0.603
%RSD		1.984	1.021	0.000	0.428	1.125	0.606	1.124	16.730

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:03:35	6.088	3.359	8.521	174.700	420.500	0.155	0.201	1.082
2	03:04:18	4.480	3.618	8.711	170.900	405.000	0.168	0.120	0.974
3	03:05:01	5.614	3.675	8.829	170.300	403.200	0.166	0.146	0.756
x		5.394	3.551	8.687	172.000	409.600	0.163	0.155	0.937
σ		0.826	0.168	0.156	2.372	9.527	0.007	0.041	0.166
%RSD		15.320	4.737	1.791	1.379	2.326	4.242	26.500	17.740

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:03:35	0.954	1.303	0.997	1.608	3.656	1.788	0.000	558.400
2	03:04:18	0.905	1.689	1.614	3.094	0.584	0.823	0.000	556.900
3	03:05:01	0.761	1.573	1.571	1.655	0.671	1.969	0.000	556.900
x		0.873	1.522	1.394	2.119	1.637	1.526	0.000	557.400
σ		0.100	0.198	0.344	0.845	1.749	0.616	0.000	0.882
%RSD		11.500	13.000	24.700	39.870	106.900	40.330	0.000	0.158

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:03:35	81.464%	45.660	45.200	79.001%	0.005	-0.000	0.052	-0.046
2	03:04:18	84.712%	46.220	45.750	81.829%	-0.004	0.001	-0.007	0.017
3	03:05:01	85.701%	46.030	46.000	82.742%	-0.002	0.017	0.058	-0.003
x		83.959%	45.970	45.650	81.191%	-0.000	0.006	0.035	-0.011
σ		2.217%	0.286	0.409	1.950%	0.004	0.009	0.036	0.032
%RSD		2.640	0.623	0.895	2.402	1740.000	161.400	104.600	297.900

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:03:35	80.745%	19.030	0.614	0.614	100.400	98.040	84.426%	85.996%
2	03:04:18	83.741%	15.330	0.542	0.523	100.800	98.730	88.342%	88.708%
3	03:05:01	85.157%	13.230	0.450	0.471	97.710	97.990	89.088%	89.231%
x		83.215%	15.870	0.535	0.536	99.640	98.250	87.285%	87.978%
σ		2.253%	2.937	0.083	0.072	1.686	0.409	2.504%	1.737%
%RSD		2.707	18.510	15.420	13.530	1.692	0.417	2.869	1.974

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	03:03:35	0.130	0.124	0.295	0.242	0.262	90.589%
2	03:04:18	0.095	0.081	0.251	0.228	0.225	92.767%
3	03:05:01	0.072	0.082	0.217	0.205	0.210	93.375%
x		0.099	0.096	0.255	0.225	0.233	92.244%
σ		0.030	0.025	0.039	0.019	0.027	1.464%
%RSD		29.810	25.870	15.460	8.254	11.520	1.588

500-48805-G-19-A 8/24/2012 3:07:12 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:07:55	87.729%	0.048	566.900	594.400	0.000	83580.000	18580.000	19170.000
2	03:08:39	86.263%	-0.011	604.200	607.300	0.000	82970.000	19230.000	20580.000
3	03:09:22	87.416%	-0.011	600.000	607.700	0.000	82290.000	18830.000	20530.000
x		87.136%	0.008	590.400	603.100	0.000	82950.000	18880.000	20090.000
σ		0.772%	0.034	20.430	7.567	0.000	643.900	326.900	802.800
%RSD		0.886	402.600	3.461	1.255	0.000	0.776	1.732	3.995

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:07:55	74.090	16600.000	0.000	14610.000	82530.000	87800.000	81.362%	4.947
2	03:08:39	70.840	16820.000	0.000	14260.000	81190.000	86490.000	82.387%	5.143
3	03:09:22	75.570	16760.000	0.000	14290.000	80720.000	87280.000	82.243%	4.642
x		73.500	16730.000	0.000	14390.000	81480.000	87190.000	81.997%	4.911
σ		2.420	116.300	0.000	193.600	940.600	659.200	0.555%	0.253
%RSD		3.293	0.695	0.000	1.346	1.154	0.756	0.676	5.143

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:07:55	4.919	4.380	396.400	4261.000	4236.000	0.369	0.114	1.033
2	03:08:39	3.519	4.432	399.100	4240.000	4233.000	0.336	-0.001	0.864
3	03:09:22	4.810	4.372	400.700	4280.000	4240.000	0.353	0.083	0.997
x		4.416	4.395	398.700	4261.000	4237.000	0.352	0.065	0.965
σ		0.779	0.032	2.140	20.190	3.686	0.017	0.060	0.089
%RSD		17.640	0.734	0.537	0.474	0.087	4.728	91.680	9.223

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:07:55	1.108	1.758	1.441	61.780	2.062	4.108	0.000	797.600
2	03:08:39	0.919	1.566	1.419	58.600	0.429	0.817	0.000	773.300
3	03:09:22	0.966	1.498	1.428	59.410	-0.697	-0.502	0.000	789.800
x		0.998	1.608	1.429	59.930	0.598	1.474	0.000	786.900
σ		0.098	0.135	0.011	1.650	1.387	2.375	0.000	12.420
%RSD		9.858	8.367	0.754	2.753	232.000	161.100	0.000	1.578

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:07:55	82.183%	5.622	5.806	79.820%	-0.009	-0.007	-0.042	0.021
2	03:08:39	85.418%	5.355	5.656	81.943%	-0.014	0.000	-0.040	-0.061
3	03:09:22	85.472%	5.485	5.418	80.967%	-0.009	0.000	-0.020	-0.024
x		84.358%	5.487	5.626	80.910%	-0.011	-0.002	-0.034	-0.021
σ		1.883%	0.134	0.196	1.063%	0.003	0.004	0.013	0.041
%RSD		2.233	2.438	3.484	1.313	26.510	181.900	36.810	194.300

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:07:55	81.562%	9.788	0.101	0.177	315.600	313.800	84.882%	85.788%
2	03:08:39	84.036%	9.085	0.117	0.110	314.900	314.700	87.962%	88.649%
3	03:09:22	84.288%	8.095	0.035	0.071	319.100	315.700	88.307%	88.942%
x		83.295%	8.989	0.084	0.119	316.500	314.700	87.051%	87.793%
σ		1.506%	0.850	0.043	0.054	2.248	0.912	1.886%	1.742%
%RSD		1.808	9.461	51.510	44.930	0.710	0.290	2.166	1.984

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	03:07:55	0.046	0.051	0.211	0.217	0.221	87.182%
2	03:08:39	0.047	0.034	0.231	0.182	0.200	89.501%
3	03:09:22	0.038	0.036	0.190	0.132	0.170	90.347%
x		0.044	0.041	0.211	0.177	0.197	89.010%
σ		0.005	0.009	0.020	0.043	0.025	1.639%
%RSD		10.760	23.020	9.618	24.150	12.800	1.841

500-48805-G-20-A 8/24/2012 3:11:34 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	03:12:17	85.361%	0.020	459.700	468.300	0.000	327800.000	15230.000	15660.000
2	03:13:00	86.114%	0.019	459.600	471.800	0.000	320100.000	15500.000	16040.000
3	03:13:43	86.033%	0.019	478.000	473.600	0.000	321100.000	15680.000	15940.000
x		85.836%	0.019	465.800	471.200	0.000	323000.000	15470.000	15880.000
σ		0.413%	0.000	10.580	2.688	0.000	4176.000	230.200	200.200
%RSD		0.481	2.079	2.271	0.570	0.000	1.293	1.488	1.261

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:12:17	24.740	24520.000	0.000	13480.000	97330.000	103400.000	81.919%	3.242
2	03:13:00	23.020	24720.000	0.000	13250.000	97470.000	102800.000	83.621%	2.765
3	03:13:43	24.090	25000.000	0.000	13280.000	96140.000	103400.000	83.508%	2.451
x		23.950	24750.000	0.000	13330.000	96980.000	103200.000	83.016%	2.819
σ		0.866	237.300	0.000	127.900	733.700	354.000	0.952%	0.398
%RSD		3.615	0.959	0.000	0.959	0.756	0.343	1.147	14.130

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:12:17	14.750	6.336	213.200	99.460	409.700	0.283	0.489	2.814
2	03:13:00	17.050	6.219	213.900	95.480	386.400	0.274	0.439	2.829
3	03:13:43	18.010	6.365	216.300	95.870	383.300	0.293	0.508	2.657
x		16.600	6.307	214.500	96.940	393.100	0.283	0.479	2.767
σ		1.673	0.077	1.637	2.198	14.410	0.009	0.036	0.096
%RSD		10.080	1.225	0.763	2.267	3.665	3.342	7.468	3.453

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:12:17	2.060	2.974	3.332	7.317	11.060	13.840	0.000	224.800
2	03:13:00	1.965	3.251	3.040	5.070	11.710	11.180	0.000	224.700
3	03:13:43	1.959	2.920	2.769	8.143	10.910	14.880	0.000	226.000
x		1.995	3.048	3.047	6.844	11.230	13.300	0.000	225.100
σ		0.056	0.177	0.282	1.590	0.426	1.907	0.000	0.713
%RSD		2.832	5.817	9.249	23.240	3.799	14.340	0.000	0.317

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:12:17	83.308%	29.110	29.520	80.069%	-0.014	0.004	0.016	0.075
2	03:13:00	86.526%	29.340	29.490	82.925%	-0.011	-0.006	0.130	0.052
3	03:13:43	87.602%	29.780	30.000	82.023%	-0.010	-0.000	0.135	-0.002
x		85.812%	29.410	29.670	81.672%	-0.012	-0.001	0.094	0.042
σ		2.234%	0.338	0.289	1.460%	0.002	0.005	0.067	0.040
%RSD		2.603	1.149	0.975	1.788	18.910	716.000	71.970	95.580

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:12:17	82.464%	6.111	2.501	2.373	13.870	14.970	86.782%	87.633%
2	03:13:00	85.168%	5.795	2.429	2.405	14.700	14.740	90.200%	91.117%
3	03:13:43	86.483%	5.525	2.526	2.464	14.980	14.930	91.577%	92.207%
x		84.705%	5.810	2.486	2.414	14.510	14.880	89.519%	90.319%
σ		2.049%	0.293	0.050	0.046	0.578	0.126	2.469%	2.389%
%RSD		2.419	5.049	2.029	1.899	3.981	0.847	2.758	2.645

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	03:12:17	0.024	0.036	0.302	0.299	0.301	89.334%
2	03:13:00	0.030	0.022	0.298	0.322	0.293	92.167%
3	03:13:43	0.016	0.018	0.324	0.260	0.295	93.333%
x		0.023	0.025	0.308	0.293	0.297	91.611%
σ		0.007	0.009	0.014	0.031	0.004	2.056%
%RSD		29.980	37.380	4.543	10.680	1.421	2.245

500-48805-G-21-A 8/24/2012 3:15:56 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	03:16:38	86.680%	0.078	226.200	230.100	0.000	316200.000	19100.000	19610.000
2	03:17:22	88.028%	-0.026	237.000	232.800	0.000	309300.000	19220.000	20760.000
3	03:18:04	88.513%	0.090	225.000	235.400	0.000	313000.000	19430.000	20890.000
x		87.740%	0.047	229.400	232.800	0.000	312900.000	19250.000	20420.000
σ		0.950%	0.064	6.622	2.660	0.000	3453.000	165.000	704.200
%RSD		1.083	135.400	2.887	1.143	0.000	1.104	0.857	3.448

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:16:38	123.500	14710.000	0.000	14160.000	85710.000	92500.000	82.268%	4.059
2	03:17:22	126.300	14660.000	0.000	14180.000	86210.000	92170.000	82.681%	4.505
3	03:18:04	127.400	14730.000	0.000	14170.000	87560.000	92620.000	82.790%	3.898
x		125.700	14700.000	0.000	14170.000	86490.000	92430.000	82.580%	4.154
σ		1.989	35.870	0.000	12.680	959.000	233.000	0.275%	0.314
%RSD		1.582	0.244	0.000	0.090	1.109	0.252	0.333	7.562

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:16:38	6.271	4.290	41.370	3603.000	3609.000	0.315	0.109	1.728
2	03:17:22	4.878	4.294	41.850	3593.000	3633.000	0.354	0.029	1.609
3	03:18:04	4.064	4.274	41.800	3605.000	3648.000	0.330	0.177	1.632
x		5.071	4.286	41.670	3601.000	3630.000	0.333	0.105	1.656
σ		1.116	0.010	0.265	6.194	19.700	0.020	0.074	0.063
%RSD		22.010	0.237	0.637	0.172	0.543	5.988	70.780	3.799

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:16:38	0.688	2.023	1.561	11.490	0.837	3.526	0.000	250.600
2	03:17:22	0.759	2.272	2.073	14.260	0.566	4.759	0.000	251.500
3	03:18:04	0.694	2.110	1.701	16.070	-0.276	9.710	0.000	252.500
x		0.714	2.135	1.778	13.940	0.376	5.999	0.000	251.500
σ		0.039	0.126	0.265	2.311	0.580	3.273	0.000	0.960
%RSD		5.500	5.919	14.880	16.580	154.500	54.560	0.000	0.382

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:16:38	83.842%	1.719	1.848	80.311%	-0.008	-0.009	0.221	0.193
2	03:17:22	85.867%	1.676	1.801	81.923%	-0.004	-0.005	0.167	0.194
3	03:18:04	86.073%	1.622	1.660	82.219%	-0.011	0.002	0.155	0.159
x		85.261%	1.672	1.770	81.484%	-0.007	-0.004	0.181	0.182
σ		1.233%	0.049	0.098	1.027%	0.004	0.006	0.035	0.020
%RSD		1.446	2.912	5.541	1.261	47.760	151.500	19.430	11.060

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:16:38	81.764%	4.136	0.011	0.027	313.800	311.000	86.099%	86.703%
2	03:17:22	84.157%	4.143	0.015	0.020	312.800	308.600	89.147%	89.042%
3	03:18:04	84.467%	3.895	-0.013	0.023	314.400	314.000	89.012%	90.394%
x		83.462%	4.058	0.004	0.024	313.700	311.200	88.086%	88.713%
σ		1.479%	0.141	0.015	0.003	0.771	2.727	1.722%	1.867%
%RSD		1.772	3.483	349.100	13.720	0.246	0.876	1.955	2.105

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	03:16:38	0.015	0.023	0.288	0.316	0.300	80.168%
2	03:17:22	0.022	0.027	0.278	0.280	0.287	89.284%
3	03:18:04	0.017	0.022	0.263	0.274	0.269	90.175%
x		0.018	0.024	0.276	0.290	0.285	86.542%
σ		0.004	0.003	0.012	0.023	0.015	5.538%
%RSD		22.270	12.330	4.500	7.824	5.398	6.399

CCV 496055 8/24/2012 3:23:09 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	03:23:52	83.440%	100.200	109.400	106.900	0.000	50590.000	51200.000	51570.000
2	03:24:35	86.799%	96.910	99.290	100.700	0.000	48930.000	50440.000	51220.000
3	03:25:18	85.801%	98.700	108.900	100.400	0.000	49850.000	50910.000	51580.000
x		85.346%	98.596%	105.843%	102.670%	0.000	99.580%	101.704%	102.907%
σ		1.725%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		2.021	1.663	5.371	3.540	0.000	1.661	0.750	0.401

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:23:52	491.300	5224.000	0.000	51960.000	49100.000	46410.000	85.143%	99.810
2	03:24:35	491.300	4957.000	0.000	51550.000	49650.000	45880.000	85.320%	97.560
3	03:25:18	498.500	5174.000	0.000	51210.000	49040.000	46760.000	85.124%	99.710
x		98.736%	102.362%	0.000	103.140%	98.526%	92.703%	85.196%	99.028%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.108%	n/a
%RSD		0.840	2.775	0.000	0.728	0.680	0.952	0.127	1.283

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:23:52	98.430	98.570	492.600	26140.000	24640.000	98.860	97.150	98.150
2	03:24:35	99.580	99.810	498.800	26200.000	24780.000	98.360	98.210	99.540
3	03:25:18	99.980	99.200	496.300	26100.000	24790.000	98.420	97.140	99.190
x		99.329%	99.193%	99.184%	104.587%	98.951%	98.546%	97.498%	98.958%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.808	0.627	0.635	0.188	0.336	0.274	0.632	0.731

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:23:52	98.980	98.490	98.390	98.680	96.740	102.000	0.000	98.520
2	03:24:35	98.300	98.550	98.880	98.830	99.560	102.700	0.000	98.440
3	03:25:18	98.600	100.100	98.860	100.300	100.000	107.300	0.000	98.560
x		98.627%	99.047%	98.706%	99.268%	98.766%	103.991%	0.000	98.508%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.344	0.920	0.281	0.901	1.795	2.802	0.000	0.062

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:23:52	85.602%	95.110	97.090	83.381%	98.520	98.310	100.300	99.280
2	03:24:35	87.179%	99.760	101.800	83.998%	99.370	98.810	97.630	99.910
3	03:25:18	86.781%	102.800	102.800	84.529%	99.440	99.280	99.050	98.990
x		86.521%	99.230%	100.568%	83.970%	99.113%	98.797%	98.993%	99.392%
σ		0.820%	n/a	n/a	0.574%	n/a	n/a	n/a	n/a
%RSD		0.948	3.914	3.036	0.684	0.517	0.489	1.350	0.478

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:23:52	85.213%	96.380	96.790	97.760	100.300	100.200	88.353%	88.465%
2	03:24:35	86.987%	96.420	96.620	97.470	98.790	98.390	89.215%	90.000%
3	03:25:18	86.600%	96.890	97.710	98.270	100.400	99.470	89.698%	89.938%
x		86.266%	96.564%	97.042%	97.834%	99.829%	99.368%	89.088%	89.468%
σ		0.933%	n/a	n/a	n/a	n/a	n/a	0.681%	0.869%
%RSD		1.082	0.298	0.605	0.417	0.903	0.934	0.765	0.971

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	03:23:52	95.190	95.080	95.530	95.490	95.480	91.338%
2	03:24:35	96.680	96.490	96.180	96.140	96.190	92.113%
3	03:25:18	97.240	97.190	97.680	97.680	97.490	91.425%
x		96.371%	96.256%	96.461%	96.437%	96.385%	91.625%
σ		n/a	n/a	n/a	n/a	n/a	0.424%
%RSD		1.096	1.117	1.143	1.166	1.056	0.463

CCB12 8/24/2012 3:30:24 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	03:31:07	90.755%	0.057	4.153	4.657	0.000	31.960	16.620	17.640
2	03:31:50	91.666%	0.112	4.384	4.959	0.000	26.220	15.380	14.680
3	03:32:32	93.231%	0.013	3.933	4.301	0.000	23.030	16.120	15.980
x		91.884%	0.061	4.157	4.639	0.000	27.070	16.040	16.100
σ		1.252%	0.050	0.225	0.329	0.000	4.527	0.628	1.483
%RSD		1.363	81.680	5.417	7.095	0.000	16.730	3.915	9.209

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:31:07	-0.006	0.750	0.000	8.959	-7.471	5.866	95.832%	0.191
2	03:31:50	-0.196	0.982	0.000	5.447	-29.060	-2.583	96.598%	0.076
3	03:32:32	-0.286	-0.135	0.000	2.912	-6.712	3.141	97.542%	0.107
x		-0.163	0.532	0.000	5.773	-14.420	2.141	96.657%	0.124
σ		0.143	0.590	0.000	3.037	12.690	4.312	0.856%	0.059
%RSD		87.760	110.800	0.000	52.600	88.030	201.400	0.886	47.650

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:31:07	0.387	0.190	0.165	17.720	14.870	0.048	-0.036	0.036
2	03:31:50	0.229	0.212	0.158	13.040	12.960	0.021	-0.029	0.036
3	03:32:32	0.361	0.136	0.148	10.590	6.874	0.032	-0.005	-0.015
x		0.326	0.180	0.157	13.790	11.570	0.034	-0.023	0.019
σ		0.085	0.039	0.008	3.622	4.175	0.013	0.016	0.029
%RSD		25.990	21.690	5.361	26.270	36.100	39.560	69.450	152.700

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:31:07	0.043	-0.444	-0.477	0.355	-0.681	2.221	0.000	0.133
2	03:31:50	0.074	-0.584	-0.441	0.204	-0.792	-0.635	0.000	0.114
3	03:32:32	-0.001	-0.423	-0.588	-0.099	-1.477	0.551	0.000	0.124
x		0.039	-0.483	-0.502	0.153	-0.983	0.712	0.000	0.124
σ		0.038	0.087	0.077	0.231	0.431	1.435	0.000	0.009
%RSD		98.340	18.040	15.340	150.700	43.820	201.500	0.000	7.506

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:31:07	93.515%	0.520	0.560	91.553%	0.027	0.024	0.051	0.024
2	03:31:50	95.934%	0.492	0.505	93.243%	0.006	0.017	-0.025	-0.003
3	03:32:32	96.703%	0.412	0.448	94.215%	0.016	0.008	0.006	0.015
x		95.384%	0.475	0.504	93.004%	0.016	0.016	0.011	0.012
σ		1.664%	0.056	0.056	1.347%	0.011	0.008	0.038	0.014
%RSD		1.744	11.850	11.070	1.449	65.600	47.030	362.600	118.200

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:31:07	86.544%	-0.439	0.039	0.049	0.189	0.265	86.785%	87.613%
2	03:31:50	88.484%	-0.519	0.015	0.025	0.182	0.238	89.951%	89.958%
3	03:32:32	88.651%	-0.639	0.050	-0.019	0.206	0.183	90.459%	91.566%
x		87.893%	-0.532	0.035	0.018	0.192	0.229	89.065%	89.712%
σ		1.172%	0.101	0.018	0.035	0.013	0.042	1.990%	1.988%
%RSD		1.333	18.910	52.450	188.800	6.579	18.270	2.235	2.216

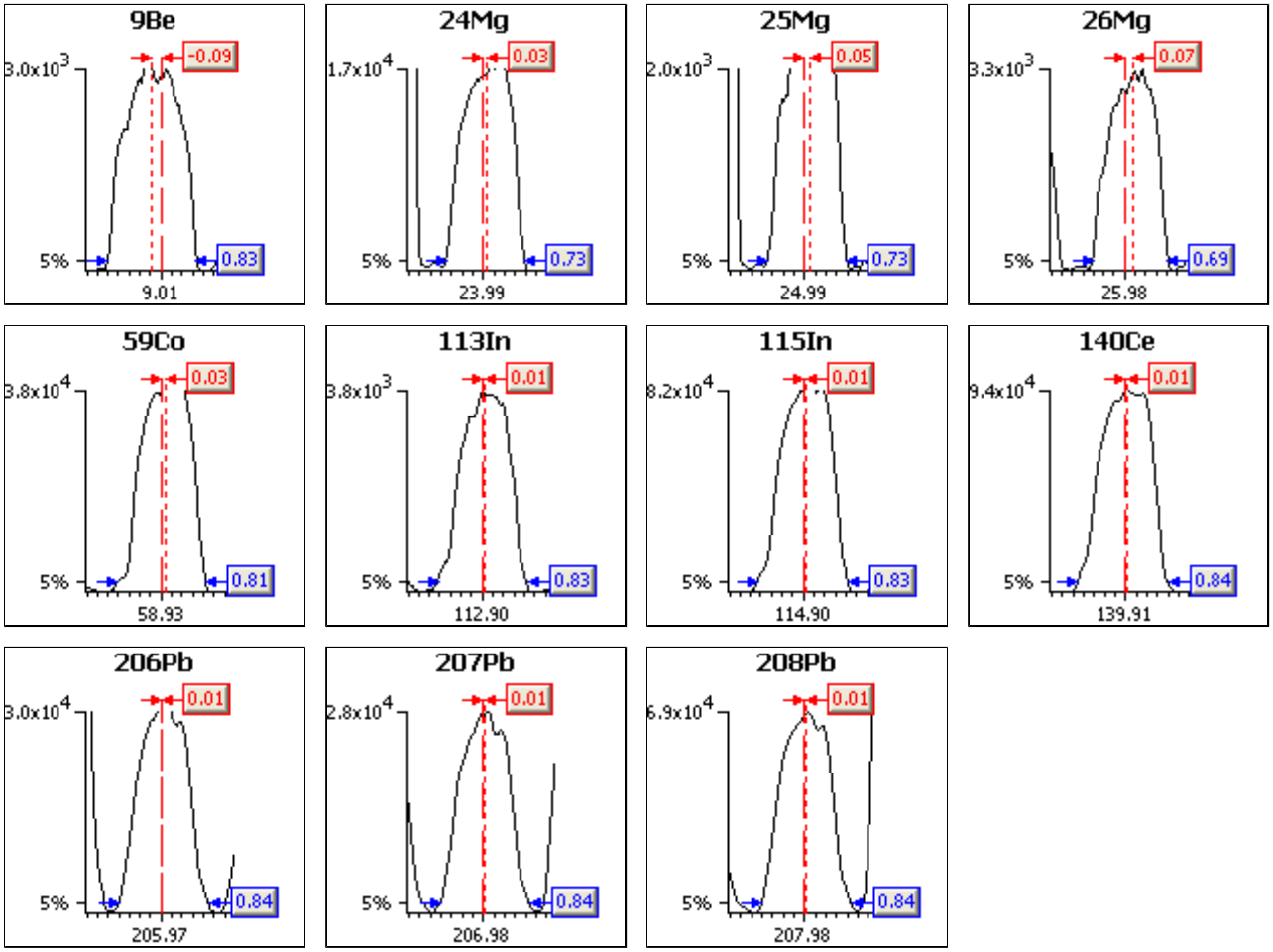
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	03:31:07	0.019	0.023	0.216	0.199	0.198	92.406%
2	03:31:50	0.024	0.016	0.138	0.140	0.132	95.094%
3	03:32:32	0.015	0.018	0.127	0.127	0.120	96.697%
x		0.019	0.019	0.160	0.155	0.150	94.732%
σ		0.005	0.004	0.049	0.038	0.042	2.168%
%RSD		24.120	19.450	30.430	24.480	27.850	2.289

Performance Report

Sample details
Sample name : ITUNE
Acquired at : 8/23/2012 2:34:14 PM
Report name : EPA ILMO5.2/6020A 2.1 [8/5/2011 12:59:56 PM]

Mass Calibration verification

Acquisition parameters
Sweeps : 25
Dwell : 2.0 mSecs
Point spacing : 0.02 amu
Peak width measured at 5% of the peak maximum



Analyte	Limits			Results	
	Max. width	Min. width	Max. error	Peak width	Peak error
9Be	0.90	0.45	0.10	0.83	-0.09
24Mg	0.90	0.45	0.10	0.73	0.03
25Mg	0.90	0.45	0.10	0.73	0.05
26Mg	0.90	0.45	0.10	0.69	0.07
59Co	0.90	0.45	0.10	0.81	0.03
113In	0.90	0.45	0.10	0.83	0.01
115In	0.90	0.45	0.10	0.83	0.01
140Ce	0.90	0.45	0.10	0.84	0.01
206Pb	0.90	0.45	0.10	0.84	0.01
207Pb	0.90	0.45	0.10	0.84	0.01
208Pb	0.90	0.45	0.10	0.84	0.01

Sample details
Sample name : ITUNE
Acquired at : 8/23/2012 2:34:14 PM
Report name : EPA ILMO5.2/6020A 2.1 [8/5/2011 12:59:56 PM]

Tune conditions

Major	
Extraction	-173
Lens 1	3.8
Focus	23.7
D1	-30.6
Pole Bias	-1.0
Hexapole Bias	-4.0
Nebuliser	0.96
Sampling Depth	150

Minor	
Lens 2	-22.0
Lens 3	-200.0
Forward power	1302
Horizontal	132
Vertical	380
D2	-141
DA	-58.0
Cool	13.0
Auxiliary	0.70

Global	
Standard resolution	n/a
High resolution	n/a
Analogue Detector	n/a
PC Detector	n/a

Add. Gases	
He/H2	0.00
He/NH3	0.00

Sensitivity and stability results

Acquisition parameters
Sweeps : 150

Run	Time	5Bkg	9Be	24Mg	25Mg	26Mg	56Ar O	59Co	137Ba++
Dwell (mSecs)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Limits	%RSD	-	5.0%	5.0%	5.0%	5.0%	-	5.0%	-
	Countrate	-	>500	>500	>500	>500	-	>10000	-
1	2:35:02 PM	1	2742	18612	2423	3174	235840	39193	3
2	2:36:27 PM	0	2681	17224	2252	2804	228911	39443	1
3	2:37:52 PM	0	2686	17284	2236	2888	229343	39768	1
4	2:39:17 PM	1	2724	17797	2243	2888	230834	39687	1
5	2:40:42 PM	0	2776	17734	2245	2934	229318	39755	1
x		0	2722	17730	2280	2937	230849	39569	1
σ		0.21	39.69	556.36	80.19	140.20	2884.08	247.61	0.73
%RSD		53.698	1.458	3.138	3.518	4.773	1.249	0.626	49.793

Run	Time	138Ba++	101Bkg	113In	115In	138Ba	140Ce	156Ce O	206Pb
Dwell (mSecs)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Limits	%RSD	-	-	5.0%	5.0%	-	5.0%	-	5.0%
	Countrate	-	-	>200	>5000	-	>10000	-	>500
1	2:35:02 PM	17	0	3658	86174	1160	97731	690	32841
2	2:36:27 PM	11	0	3782	86802	923	98933	723	33190
3	2:37:52 PM	12	0	3738	87787	885	99312	704	33516
4	2:39:17 PM	13	1	3810	88229	904	99292	721	33209
5	2:40:42 PM	16	0	3698	87793	943	99690	735	33384
x		14	0	3737	87357	963	98992	715	33228
σ		2.70	0.17	61.59	842.92	112.18	753.87	17.42	254.29
%RSD		19.352	42.492	1.648	0.965	11.648	0.762	2.438	0.765

Run	Time	207Pb	208Pb	220Bkg
Dwell (mSecs)		0.0	0.0	0.0
Limits	%RSD	5.0%	5.0%	-
	Countrate	>500	>500	<2500
1	2:35:02 PM	29162	70609	0
2	2:36:27 PM	29668	72316	0
3	2:37:52 PM	30017	72219	0
4	2:39:17 PM	29793	72084	0
5	2:40:42 PM	29869	71801	0
x		29702	71806	0
σ		327.12	696.45	0.05
%RSD		1.101	0.970	35.355

Ratio results

Run	Time	156Ce O/140Ce
Ratio limits		<0.0500
1	2:35:02 PM	0
2	2:36:27 PM	0

3	2:37:52 PM	0
4	2:39:17 PM	0
5	2:40:42 PM	0
x		0.0072
σ		0.00
%RSD		1.8796

Result : The performance report passed.

Dilution Corrected Concentrations

STD1 528299 INT STD 9/6/2012 2:00:57 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	14:01:40	97.679%	0.007	0.324	0.248	0.000	0.690	0.914	0.212
2	14:02:23	99.894%	-0.024	-0.917	-0.245	0.000	0.939	-0.831	0.078
3	14:03:06	102.427%	0.017	0.593	-0.004	0.000	-1.629	-0.084	-0.291
x		100.000%	-0.000	0.000	-0.000	0.000	-0.000	-0.000	0.000
σ		2.376%	0.021	0.805	0.246	0.000	1.416	0.875	0.261
%RSD		2.376	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	14:01:40	0.097	-0.183	0.000	1.526	-2.644	-0.671	98.600%	0.152
2	14:02:23	0.181	1.339	0.000	-3.063	2.758	-0.460	100.545%	-0.100
3	14:03:06	-0.278	-1.156	0.000	1.537	-0.114	1.131	100.854%	-0.052
x		0.000	0.000	0.000	0.000	-0.000	-0.000	100.000%	0.000
σ		0.245	1.258	0.000	2.653	2.703	0.985	1.222%	0.134
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	1.222	0.000

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:01:40	0.002	0.035	-0.015	1.244	2.388	0.010	0.018	-0.021
2	14:02:23	-0.003	0.010	-0.009	0.145	2.769	-0.007	0.001	0.010
3	14:03:06	0.001	-0.045	0.025	-1.389	-5.157	-0.003	-0.019	0.010
x		0.000	0.000	0.000	0.000	-0.000	-0.000	0.000	-0.000
σ		0.003	0.041	0.021	1.322	4.470	0.009	0.018	0.018
%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	14:01:40	0.021	0.120	-0.096	-0.104	-0.443	-0.392	0.000	0.006
2	14:02:23	0.064	-0.023	0.062	0.286	-0.753	1.499	0.000	-0.006
3	14:03:06	-0.085	-0.097	0.034	-0.182	1.197	-1.108	0.000	0.001
x		0.000	-0.000	-0.000	0.000	-0.000	0.000	0.000	0.000
σ		0.076	0.111	0.084	0.251	1.048	1.347	0.000	0.006
%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	14:01:40	97.563%	0.003	0.005	97.190%	0.003	-0.017	-0.063	-0.038
2	14:02:23	100.410%	0.002	-0.013	100.731%	-0.001	0.012	0.055	0.034
3	14:03:06	102.027%	-0.005	0.008	102.079%	-0.002	0.004	0.008	0.005
x		100.000%	-0.000	0.000	100.000%	-0.000	-0.000	-0.000	-0.000
σ		2.260%	0.004	0.011	2.525%	0.002	0.015	0.059	0.036
%RSD		2.260	0.000	0.000	2.525	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	14:01:40	97.963%	0.062	-0.008	0.000	0.014	0.024	97.794%	97.492%
2	14:02:23	100.117%	0.009	0.007	-0.003	-0.049	0.009	101.617%	100.680%
3	14:03:06	101.919%	-0.072	0.001	0.003	0.036	-0.033	100.589%	101.828%
x		100.000%	-0.000	0.000	0.000	0.000	0.000	100.000%	100.000%
σ		1.981%	0.067	0.008	0.003	0.044	0.029	1.979%	2.246%
%RSD		1.981	0.000	0.000	0.000	0.000	0.000	1.979	2.246

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	14:01:40	0.008	0.005	0.025	0.021	0.015	97.684%
2	14:02:23	-0.020	-0.002	-0.010	0.010	-0.001	100.790%
3	14:03:06	0.012	-0.003	-0.015	-0.032	-0.014	101.526%
x		-0.000	-0.000	-0.000	-0.000	0.000	100.000%
σ		0.018	0.004	0.022	0.028	0.015	2.040%
%RSD		0.000	0.000	0.000	0.000	0.000	2.040

STD2 496053 9/6/2012 2:06:45 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	14:07:28	93.238%	199.600	1.636	0.941	0.000	99990.000	99580.000	99550.000
2	14:08:11	93.873%	199.400	2.461	2.146	0.000	100200.000	100700.000	100200.000
3	14:08:54	94.997%	201.000	0.694	1.098	0.000	99850.000	99730.000	100200.000
x		94.036%	200.000	1.597	1.395	0.000	100000.000	100000.000	100000.000
σ		0.890%	0.849	0.884	0.655	0.000	155.400	600.800	389.500
%RSD		0.947	0.424	55.370	46.980	0.000	0.155	0.601	0.390

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:07:28	999.700	4.754	0.000	99480.000	98530.000	99340.000	92.912%	0.201
2	14:08:11	1005.000	3.873	0.000	100200.000	100700.000	100100.000	93.102%	0.015
3	14:08:54	995.300	4.516	0.000	100300.000	100800.000	100600.000	93.545%	0.198
x		1000.000	4.381	0.000	100000.000	100000.000	100000.000	93.186%	0.138
σ		4.893	0.455	0.000	446.900	1273.000	629.800	0.325%	0.107
%RSD		0.489	10.400	0.000	0.447	1.273	0.630	0.349	77.090

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:07:28	199.200	198.200	1000.000	50160.000	49890.000	200.000	196.800	198.200
2	14:08:11	199.900	201.900	1002.000	49920.000	50010.000	199.800	201.800	200.600
3	14:08:54	200.900	199.900	998.100	49920.000	50100.000	200.300	201.400	201.300
x		200.000	200.000	1000.000	50000.000	50000.000	200.000	200.000	200.000
σ		0.834	1.886	1.840	137.000	106.800	0.250	2.787	1.631
%RSD		0.417	0.943	0.184	0.274	0.214	0.125	1.393	0.816

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:07:28	198.700	199.600	198.400	201.900	197.000	196.700	0.000	200.500
2	14:08:11	198.700	198.800	201.200	197.300	202.300	196.000	0.000	199.100
3	14:08:54	202.600	201.500	200.400	200.800	200.700	207.200	0.000	200.300
x		200.000	200.000	200.000	200.000	200.000	200.000	0.000	200.000
σ		2.220	1.393	1.450	2.397	2.740	6.284	0.000	0.743
%RSD		1.110	0.697	0.725	1.199	1.370	3.142	0.000	0.372

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:07:28	92.357%	0.243	0.236	88.594%	199.100	199.700	199.700	200.500
2	14:08:11	94.328%	0.200	0.222	89.919%	200.100	200.300	201.800	199.600
3	14:08:54	94.676%	0.312	0.216	90.529%	200.800	200.000	198.500	199.900
x		93.787%	0.252	0.224	89.681%	200.000	200.000	200.000	200.000
σ		1.251%	0.056	0.010	0.989%	0.831	0.275	1.665	0.445
%RSD		1.334	22.380	4.608	1.103	0.415	0.137	0.833	0.223

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:07:28	88.960%	0.086	0.099	0.107	201.400	201.000	93.056%	92.722%
2	14:08:11	90.628%	0.002	0.131	0.127	198.900	199.800	93.744%	94.375%
3	14:08:54	91.471%	-0.003	0.090	0.111	199.700	199.300	96.198%	95.761%
x		90.353%	0.028	0.107	0.115	200.000	200.000	94.333%	94.286%
σ		1.278%	0.050	0.022	0.010	1.289	0.862	1.652%	1.522%
%RSD		1.414	175.400	20.110	8.992	0.644	0.431	1.751	1.614

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	14:07:28	198.900	197.700	197.900	198.100	197.800	90.388%
2	14:08:11	199.700	201.000	201.000	200.000	200.600	91.342%
3	14:08:54	201.300	201.300	201.100	201.900	201.600	91.855%
x		200.000	200.000	200.000	200.000	200.000	91.195%
σ		1.216	2.012	1.792	1.893	1.938	0.744%
%RSD		0.608	1.006	0.896	0.946	0.969	0.816

STD3 496054 9/6/2012 2:11:02 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	14:11:45	95.991%	0.159	205.200	197.000	0.000	138.200	91.280	91.140
2	14:12:28	97.339%	0.244	199.500	200.400	0.000	136.300	84.360	91.850
3	14:13:11	97.000%	0.126	195.300	202.600	0.000	134.400	90.090	92.590
x		96.777%	0.176	200.000	200.000	0.000	136.300	88.580	91.860
σ		0.701%	0.061	4.929	2.816	0.000	1.882	3.696	0.722
%RSD		0.724	34.480	2.465	1.408	0.000	1.381	4.173	0.785

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:11:45	20.990	9828.000	0.000	92.630	126.100	202.600	92.590%	199.900
2	14:12:28	19.080	10050.000	0.000	94.080	179.800	199.100	94.621%	199.000
3	14:13:11	19.060	10120.000	0.000	87.480	113.400	207.700	95.292%	201.100
x		19.710	10000.000	0.000	91.400	139.800	203.200	94.168%	200.000
σ		1.108	153.000	0.000	3.471	35.290	4.330	1.407%	1.045
%RSD		5.620	1.530	0.000	3.798	25.250	2.131	1.494	0.522

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:11:45	0.458	0.223	1.581	182.500	192.900	0.236	0.434	0.559
2	14:12:28	0.166	0.176	1.519	116.100	136.800	0.253	0.091	0.588
3	14:13:11	0.440	0.239	1.307	102.900	108.000	0.194	0.089	0.557
x		0.355	0.213	1.469	133.800	145.900	0.228	0.205	0.568
σ		0.163	0.033	0.143	42.700	43.190	0.030	0.199	0.018
%RSD		46.080	15.280	9.768	31.910	29.610	13.320	96.940	3.135

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:11:45	0.687	0.588	1.227	0.951	7.390	3.057	0.000	1.198
2	14:12:28	0.654	1.000	0.666	0.383	7.440	-0.459	0.000	1.275
3	14:13:11	0.580	0.948	1.067	0.773	3.595	1.394	0.000	1.330
x		0.640	0.845	0.987	0.702	6.142	1.331	0.000	1.267
σ		0.055	0.225	0.289	0.291	2.206	1.759	0.000	0.066
%RSD		8.588	26.590	29.310	41.380	35.920	132.200	0.000	5.222

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:11:45	93.774%	196.800	195.100	92.557%	0.259	0.233	0.269	-0.169
2	14:12:28	96.440%	200.900	202.900	96.026%	0.298	0.249	0.122	-0.546
3	14:13:11	96.847%	202.400	201.900	97.717%	0.261	0.248	0.241	-0.394
x		95.687%	200.000	200.000	95.434%	0.273	0.243	0.210	-0.370
σ		1.669%	2.909	4.235	2.631%	0.022	0.009	0.078	0.190
%RSD		1.744	1.454	2.118	2.756	8.164	3.684	37.260	51.350

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:11:45	91.853%	198.000	200.000	198.900	0.701	0.912	94.524%	93.802%
2	14:12:28	95.496%	200.600	199.200	199.700	0.727	0.830	97.144%	97.853%
3	14:13:11	96.544%	201.400	200.800	201.400	0.669	1.008	97.881%	98.603%
x		94.631%	200.000	200.000	200.000	0.699	0.917	96.516%	96.753%
σ		2.462%	1.793	0.800	1.251	0.029	0.089	1.764%	2.583%
%RSD		2.602	0.897	0.400	0.626	4.131	9.677	1.828	2.669

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	14:11:45	0.114	0.141	0.632	0.615	0.621	93.677%
2	14:12:28	0.129	0.151	0.465	0.486	0.521	97.156%
3	14:13:11	0.147	0.159	0.419	0.605	0.501	98.535%
x		0.130	0.150	0.505	0.568	0.548	96.456%
σ		0.016	0.009	0.112	0.072	0.064	2.504%
%RSD		12.670	5.965	22.150	12.600	11.660	2.596

ICV 496056 9/6/2012 2:15:20 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:16:03	94.329%	77.340	75.410	81.980	0.000	39310.000	40250.000	39930.000
2	14:16:46	96.280%	77.120	76.710	81.940	0.000	39080.000	39540.000	39280.000
3	14:17:28	93.754%	80.210	78.610	82.040	0.000	39850.000	39460.000	39410.000
x		94.788%	97.779%	96.136%	102.486%	0.000	98.534%	99.375%	98.852%
σ		1.324%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.397	2.207	2.088	0.062	0.000	1.002	1.096	0.869

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:16:03	406.700	4262.000	0.000	39460.000	38780.000	36760.000	92.236%	81.990
2	14:16:46	408.200	4275.000	0.000	40170.000	39460.000	37430.000	93.876%	81.550
3	14:17:28	411.900	4322.000	0.000	40850.000	39970.000	37550.000	94.349%	80.810
x		102.236%	107.152%	0.000	100.396%	98.504%	93.114%	93.487%	101.811%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.109%	n/a
%RSD		0.656	0.741	0.000	1.724	1.515	1.150	1.186	0.731

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:16:03	80.010	82.050	401.700	20080.000	19890.000	80.780	80.740	81.050
2	14:16:46	79.420	80.920	404.500	20030.000	19960.000	80.440	80.340	80.670
3	14:17:28	78.990	80.930	400.300	19960.000	19940.000	80.270	79.690	82.330
x		99.341%	101.625%	100.544%	100.118%	99.633%	100.623%	100.320%	101.691%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.643	0.796	0.534	0.304	0.183	0.325	0.662	1.068

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:16:03	80.600	79.590	79.410	79.060	85.490	80.130	0.000	79.290
2	14:16:46	81.120	82.550	79.800	79.560	87.230	79.230	0.000	78.970
3	14:17:28	81.740	82.160	80.860	80.120	84.210	78.530	0.000	79.170
x		101.440%	101.793%	100.030%	99.475%	107.054%	99.119%	0.000	98.930%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.700	1.972	0.937	0.665	1.768	1.011	0.000	0.203

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:16:03	93.299%	82.380	81.820	89.279%	79.690	80.220	81.800	79.590
2	14:16:46	95.654%	82.720	81.860	92.999%	78.840	78.680	80.020	79.650
3	14:17:28	96.549%	83.530	82.260	93.779%	79.520	79.930	78.950	80.470
x		95.167%	103.599%	102.473%	92.019%	99.189%	99.512%	100.318%	99.880%
σ		1.679%	n/a	n/a	2.405%	n/a	n/a	n/a	n/a
%RSD		1.764	0.711	0.296	2.613	0.570	1.031	1.791	0.612

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:16:03	89.145%	81.230	82.100	80.170	81.670	81.750	91.998%	92.374%
2	14:16:46	92.724%	81.280	82.230	81.610	79.120	81.070	96.497%	96.477%
3	14:17:28	94.783%	81.750	80.390	80.250	80.530	80.160	97.523%	97.395%
x		92.217%	101.775%	101.969%	100.846%	100.552%	101.238%	95.339%	95.415%
σ		2.853%	n/a	n/a	n/a	n/a	n/a	2.939%	2.673%
%RSD		3.094	0.352	1.263	1.000	1.589	0.982	3.082	2.802

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	14:16:03	81.950	82.190	79.960	78.950	79.380	90.673%
2	14:16:46	83.190	83.000	80.230	79.200	79.600	93.883%
3	14:17:28	82.620	83.110	81.470	80.360	80.720	95.075%
x		103.238%	103.457%	100.688%	99.377%	99.879%	93.210%
σ		n/a	n/a	n/a	n/a	n/a	2.277%
%RSD		0.753	0.607	1.000	0.948	0.898	2.443

ICB 9/6/2012 2:22:36 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	14:23:19	98.547%	0.094	0.542	-0.290	0.000	8.187	1.299	0.218
2	14:24:02	98.741%	0.079	-0.059	-1.191	0.000	20.270	9.922	9.324
3	14:24:44	99.324%	0.006	-1.358	-0.586	0.000	37.920	25.420	25.520
x		98.871%	0.059	-0.291	-0.689	0.000	22.130	12.210	11.690
σ		0.404%	0.047	0.971	0.459	0.000	14.950	12.220	12.820
%RSD		0.409	79.540	333.400	66.630	0.000	67.590	100.100	109.700

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:23:19	-0.827	2.780	0.000	20.430	0.761	3.823	94.813%	-0.093
2	14:24:02	0.883	2.361	0.000	25.760	12.120	19.060	96.890%	-0.070
3	14:24:44	4.072	4.858	0.000	39.400	46.560	39.320	97.778%	0.079
x		1.376	3.333	0.000	28.530	19.810	20.730	96.494%	-0.028
σ		2.486	1.337	0.000	9.782	23.850	17.810	1.522%	0.094
%RSD		180.700	40.130	0.000	34.290	120.400	85.880	1.577	333.900

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:23:19	0.034	-0.036	-0.030	-8.789	37.900	-0.004	-0.047	-0.011
2	14:24:02	0.032	-0.039	0.156	-7.441	33.100	0.012	-0.026	0.171
3	14:24:44	0.003	0.011	0.389	2.629	40.770	0.041	-0.002	0.188
x		0.023	-0.021	0.172	-4.534	37.260	0.017	-0.025	0.116
σ		0.017	0.028	0.210	6.240	3.875	0.023	0.023	0.110
%RSD		74.560	129.300	122.300	137.600	10.400	137.500	91.560	95.460

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:23:19	-0.001	-0.726	-0.638	0.023	5.030	-0.056	0.000	0.009
2	14:24:02	0.179	-0.638	-0.498	0.276	2.658	1.099	0.000	0.085
3	14:24:44	0.257	-0.469	-0.139	-0.282	2.641	-1.979	0.000	0.265
x		0.145	-0.611	-0.425	0.006	3.443	-0.312	0.000	0.119
σ		0.132	0.130	0.257	0.280	1.374	1.555	0.000	0.132
%RSD		91.060	21.350	60.590	5003.000	39.920	498.300	0.000	110.200

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:23:19	97.104%	0.603	0.679	95.725%	0.001	-0.009	0.035	0.014
2	14:24:02	99.074%	0.623	0.607	98.839%	0.009	0.008	-0.100	-0.013
3	14:24:44	99.769%	0.541	0.628	99.781%	0.028	0.030	0.096	0.066
x		98.649%	0.589	0.638	98.115%	0.013	0.010	0.010	0.022
σ		1.382%	0.043	0.037	2.123%	0.014	0.019	0.100	0.040
%RSD		1.401	7.273	5.827	2.164	109.500	199.500	973.700	180.700

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:23:19	94.307%	-0.115	0.036	0.046	-0.036	-0.025	95.743%	95.385%
2	14:24:02	98.640%	-0.058	0.083	0.033	0.025	0.024	98.523%	97.844%
3	14:24:44	99.650%	-0.063	0.111	0.049	0.197	0.093	99.249%	99.285%
x		97.532%	-0.079	0.077	0.043	0.062	0.031	97.838%	97.504%
σ		2.839%	0.031	0.038	0.008	0.121	0.059	1.850%	1.972%
%RSD		2.911	39.850	49.520	19.570	194.500	193.900	1.891	2.022

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	14:23:19	-0.029	-0.026	0.062	0.082	0.077	93.991%
2	14:24:02	-0.001	0.003	0.120	0.195	0.150	96.940%
3	14:24:44	-0.005	-0.002	0.310	0.303	0.326	99.161%
x		-0.012	-0.008	0.164	0.193	0.184	96.697%
σ		0.015	0.016	0.129	0.111	0.128	2.594%
%RSD		130.300	187.400	78.830	57.370	69.620	2.683

CRI 520760 9/6/2012 2:26:56 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	14:27:39	99.667%	0.900	4.542	4.590	0.000	106.300	97.680	101.000
2	14:28:22	99.728%	0.897	3.822	4.958	0.000	106.700	100.300	95.370
3	14:29:05	102.530%	0.802	6.333	4.506	0.000	102.400	95.050	94.240
x		100.642%	86.666%	97.977%	93.691%	0.000	105.158%	97.661%	96.871%
σ		1.636%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.625	6.423	26.390	5.138	0.000	2.260	2.669	3.738

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:27:39	32.070	489.600	0.000	103.300	143.500	118.900	96.695%	4.486
2	14:28:22	32.050	492.200	0.000	105.100	93.980	111.100	99.375%	4.707
3	14:29:05	31.630	489.000	0.000	104.600	90.660	105.700	99.708%	5.304
x		106.394%	98.061%	0.000	104.326%	109.393%	111.888%	98.593%	96.647%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.652%	n/a
%RSD		0.780	0.343	0.000	0.893	27.080	5.958	1.676	8.762

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:27:39	0.809	1.763	4.999	50.420	89.100	0.443	0.790	2.247
2	14:28:22	0.890	1.773	5.059	46.760	81.320	0.506	1.048	2.092
3	14:29:05	1.026	1.689	5.083	45.480	78.610	0.502	0.834	2.189
x		90.824%	87.073%	1009.451%	95.108%	166.022%	96.691%	89.027%	108.797%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		12.050	2.650	0.857	5.394	6.555	7.299	15.500	3.593

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:27:39	2.141	4.393	4.394	0.792	10.460	2.369	0.000	4.936
2	14:28:22	2.325	4.962	4.647	1.042	7.649	4.515	0.000	4.895
3	14:29:05	2.146	4.316	4.537	1.464	5.857	5.575	0.000	4.797
x		110.189%	91.137%	90.521%	109.911%	159.793%	83.060%	0.000	97.527%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		4.759	7.746	2.797	30.890	29.060	39.340	0.000	1.464

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:27:39	96.261%	4.694	4.718	96.193%	0.970	0.982	0.857	1.024
2	14:28:22	98.352%	4.941	4.834	99.967%	0.966	0.979	1.125	1.157
3	14:29:05	99.977%	4.823	4.900	101.378%	0.990	0.980	1.112	1.055
x		98.197%	96.388%	96.341%	99.179%	97.540%	98.022%	103.148%	107.874%
σ		1.863%	n/a	n/a	2.681%	n/a	n/a	n/a	n/a
%RSD		1.897	2.563	1.912	2.703	1.324	0.141	14.670	6.412

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:27:39	94.857%	4.715	2.111	1.867	9.619	9.569	96.866%	96.540%
2	14:28:22	97.986%	4.827	1.901	1.847	9.815	9.783	99.860%	100.207%
3	14:29:05	100.838%	5.027	1.944	1.910	9.102	9.519	101.868%	101.146%
x		97.894%	97.129%	99.262%	93.749%	95.120%	96.238%	99.531%	99.298%
σ		2.991%	n/a	n/a	n/a	n/a	n/a	2.517%	2.434%
%RSD		3.056	3.256	5.573	1.722	3.870	1.454	2.529	2.451

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	14:27:39	0.887	0.943	1.120	1.078	1.076	96.534%
2	14:28:22	0.854	0.891	1.109	1.008	1.064	100.008%
3	14:29:05	0.929	0.922	1.024	1.082	1.046	101.936%
x		89.003%	91.887%	108.455%	105.598%	106.191%	99.493%
σ		n/a	n/a	n/a	n/a	n/a	2.738%
%RSD		4.244	2.818	4.872	3.916	1.376	2.752

ICSA 520761 9/6/2012 2:31:16 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	14:31:59	86.858%	0.134	1.369	4.392	0.000	107500.000	104100.000	105200.000
2	14:32:42	85.704%	0.036	1.290	4.325	0.000	107600.000	101200.000	103400.000
3	14:33:25	85.446%	0.036	1.170	2.710	0.000	108000.000	99950.000	103200.000
x		86.002%	0.068	1.276	3.809	0.000	107700.000	101700.000	103900.000
σ		0.752%	0.056	0.101	0.953	0.000	284.100	2155.000	1122.000
%RSD		0.875	82.420	7.879	25.010	0.000	0.264	2.118	1.080

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:31:59	108300.000	32.830	0.000	111300.000	110700.000	109300.000	87.136%	2203.000
2	14:32:42	107500.000	33.440	0.000	114100.000	113600.000	110900.000	88.558%	2191.000
3	14:33:25	107800.000	34.650	0.000	116000.000	114900.000	111500.000	88.492%	2168.000
x		107900.000	33.640	0.000	113800.000	113100.000	110600.000	88.062%	2187.000
σ		406.300	0.927	0.000	2365.000	2137.000	1123.000	0.803%	17.880
%RSD		0.377	2.755	0.000	2.078	1.890	1.015	0.911	0.818

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:31:59	-0.419	-0.069	2.659	109300.000	102900.000	0.344	0.416	1.195
2	14:32:42	-0.412	0.187	2.491	108700.000	106900.000	0.282	0.326	1.242
3	14:33:25	-0.208	-0.035	2.463	109200.000	107600.000	0.333	0.408	1.180
x		-0.347	0.028	2.538	109100.000	105800.000	0.319	0.383	1.206
σ		0.120	0.139	0.106	315.600	2568.000	0.033	0.050	0.032
%RSD		34.580	503.200	4.165	0.289	2.427	10.350	12.940	2.690

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:31:59	2.007	4.485	3.754	0.499	8.528	1.339	0.000	1.008
2	14:32:42	2.114	5.343	4.397	-0.025	8.875	-1.975	0.000	0.994
3	14:33:25	1.834	5.312	3.812	0.641	7.905	0.608	0.000	0.959
x		1.985	5.047	3.988	0.371	8.436	-0.009	0.000	0.987
σ		0.141	0.487	0.355	0.351	0.491	1.741	0.000	0.025
%RSD		7.112	9.646	8.910	94.490	5.825	18400.000	0.000	2.540

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:31:59	88.902%	2177.000	2201.000	86.598%	0.116	0.163	1.503	0.918
2	14:32:42	91.349%	2196.000	2230.000	89.329%	0.137	0.173	1.506	1.228
3	14:33:25	92.386%	2196.000	2227.000	90.498%	0.159	0.159	1.291	0.789
x		90.879%	2190.000	2219.000	88.808%	0.137	0.165	1.433	0.979
σ		1.789%	11.160	15.770	2.002%	0.022	0.007	0.123	0.226
%RSD		1.968	0.510	0.711	2.254	15.770	4.279	8.607	23.080

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:31:59	87.614%	0.525	0.395	0.479	0.517	0.492	94.984%	94.968%
2	14:32:42	91.222%	0.421	0.407	0.408	0.433	0.571	97.400%	98.039%
3	14:33:25	92.743%	0.455	0.379	0.398	0.545	0.529	97.497%	99.025%
x		90.526%	0.467	0.394	0.428	0.499	0.530	96.627%	97.344%
σ		2.634%	0.053	0.014	0.044	0.058	0.039	1.424%	2.116%
%RSD		2.910	11.330	3.596	10.300	11.650	7.384	1.474	2.174

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	14:31:59	0.054	0.053	0.752	0.664	0.687	96.034%
2	14:32:42	0.031	0.048	0.641	0.585	0.612	97.022%
3	14:33:25	0.043	0.044	0.605	0.647	0.609	98.167%
x		0.043	0.048	0.666	0.632	0.636	97.074%
σ		0.011	0.005	0.077	0.042	0.044	1.068%
%RSD		26.460	9.358	11.510	6.612	6.928	1.100

ICSAB 520762 9/6/2012 2:35:38 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	14:36:21	89.143%	19.880	50.670	57.150	0.000	101700.000	95420.000	96690.000
2	14:37:04	91.057%	20.390	52.490	54.270	0.000	100100.000	92090.000	94810.000
3	14:37:47	91.264%	21.840	51.250	53.550	0.000	101200.000	91140.000	95260.000
x		90.488%	103.522%	102.939%	109.977%	0.000	100.958%	92.881%	95.589%
σ		1.169%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.292	4.923	1.802	3.470	0.000	0.804	2.422	1.028

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:36:21	100900.000	553.200	0.000	107200.000	105100.000	103800.000	91.110%	2052.000
2	14:37:04	99600.000	552.700	0.000	109400.000	107900.000	104400.000	92.062%	2043.000
3	14:37:47	101000.000	565.600	0.000	111100.000	110100.000	105400.000	91.828%	2060.000
x		100.481%	111.430%	0.000	109.252%	107.680%	104.545%	91.667%	102.564%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.496%	n/a
%RSD		0.763	1.317	0.000	1.768	2.328	0.771	0.541	0.412

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:36:21	18.990	19.740	22.140	102100.000	98160.000	20.850	21.290	22.270
2	14:37:04	20.010	20.410	22.060	102200.000	101300.000	20.880	20.830	22.120
3	14:37:47	19.460	19.820	22.300	103600.000	102300.000	20.840	21.440	22.290
x		97.426%	99.947%	96.366%	102.630%	100.574%	104.266%	105.943%	111.130%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		2.616	1.832	0.546	0.795	2.143	0.095	1.499	0.414

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:36:21	22.170	27.960	25.790	21.440	58.180	50.660	0.000	20.420
2	14:37:04	22.230	28.540	27.670	20.610	57.240	51.530	0.000	20.570
3	14:37:47	22.460	30.260	29.850	21.010	58.130	51.110	0.000	20.440
x		111.427%	115.678%	111.087%	105.107%	115.699%	102.203%	0.000	102.378%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.702	4.139	7.316	1.979	0.912	0.853	0.000	0.401

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:36:21	94.147%	2092.000	2130.000	88.393%	21.490	21.270	22.910	22.780
2	14:37:04	96.880%	2108.000	2142.000	91.423%	21.210	21.700	23.190	21.700
3	14:37:47	96.966%	2113.000	2164.000	92.758%	21.370	22.410	23.460	22.070
x		95.998%	105.210%	107.266%	90.858%	106.775%	108.970%	115.938%	110.922%
σ		1.603%	n/a	n/a	2.236%	n/a	n/a	n/a	n/a
%RSD		1.670	0.514	0.803	2.461	0.660	2.641	1.191	2.470

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:36:21	90.520%	109.600	22.340	21.840	22.410	21.440	95.349%	96.435%
2	14:37:04	94.563%	107.000	21.940	21.910	20.300	21.490	99.471%	99.900%
3	14:37:47	95.097%	109.800	22.230	22.330	21.570	21.180	100.129%	101.445%
x		93.393%	108.780%	110.863%	110.121%	107.128%	106.860%	98.316%	99.260%
σ		2.503%	n/a	n/a	n/a	n/a	n/a	2.590%	2.565%
%RSD		2.680	1.429	0.933	1.209	4.964	0.779	2.635	2.585

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	14:36:21	20.800	20.950	21.680	21.590	21.790	94.110%
2	14:37:04	21.120	21.180	22.470	21.850	22.140	96.773%
3	14:37:47	21.330	21.460	21.730	21.700	21.950	97.924%
x		105.399%	105.981%	109.793%	108.566%	109.803%	96.269%
σ		n/a	n/a	n/a	n/a	n/a	1.956%
%RSD		1.261	1.210	2.002	0.601	0.808	2.032

CCV 526714 9/6/2012 2:43:35 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	14:44:18	90.676%	98.800	94.930	96.050	0.000	49920.000	47980.000	48130.000
2	14:45:01	91.797%	99.520	99.840	98.670	0.000	49330.000	46540.000	47470.000
3	14:45:44	91.169%	98.330	97.310	96.960	0.000	49700.000	46760.000	47720.000
x		91.214%	98.883%	97.359%	97.227%	0.000	99.293%	94.184%	95.546%
σ		0.561%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.615	0.607	2.522	1.371	0.000	0.602	1.652	0.706

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:44:18	501.800	5025.000	0.000	51270.000	50370.000	47170.000	91.622%	97.610
2	14:45:01	491.900	5019.000	0.000	52120.000	50780.000	47000.000	94.037%	97.760
3	14:45:44	494.700	5064.000	0.000	52790.000	51040.000	47360.000	94.273%	97.650
x		99.227%	100.724%	0.000	104.123%	101.464%	94.354%	93.311%	97.670%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.467%	n/a
%RSD		1.031	0.483	0.000	1.460	0.665	0.383	1.573	0.081

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:44:18	94.610	96.600	482.900	24810.000	24430.000	98.350	98.530	99.490
2	14:45:01	93.650	95.310	481.300	24690.000	24460.000	98.880	99.350	100.100
3	14:45:44	95.110	96.100	483.200	24800.000	24650.000	98.930	100.100	100.600
x		94.456%	96.003%	96.494%	99.070%	98.057%	98.720%	99.334%	100.076%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.785	0.681	0.210	0.278	0.487	0.322	0.801	0.573

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:44:18	98.010	99.050	101.500	100.100	108.000	99.310	0.000	95.400
2	14:45:01	99.910	102.500	104.500	98.810	105.300	94.590	0.000	93.950
3	14:45:44	102.300	103.900	103.500	99.200	104.000	101.800	0.000	94.280
x		100.066%	101.811%	103.151%	99.368%	105.739%	98.557%	0.000	94.542%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		2.142	2.446	1.507	0.665	1.937	3.704	0.000	0.801

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:44:18	96.754%	100.600	100.300	95.065%	96.160	96.060	93.660	94.390
2	14:45:01	99.257%	102.400	102.400	98.463%	96.300	96.160	97.370	95.860
3	14:45:44	99.451%	100.400	101.800	99.753%	96.120	97.090	97.760	96.500
x		98.488%	101.099%	101.471%	97.760%	96.194%	96.438%	96.266%	95.580%
σ		1.504%	n/a	n/a	2.422%	n/a	n/a	n/a	n/a
%RSD		1.527	1.099	1.055	2.477	0.098	0.591	2.354	1.133

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:44:18	96.169%	93.900	94.870	93.830	96.090	94.840	98.719%	98.842%
2	14:45:01	99.637%	94.490	95.890	94.900	94.470	94.000	101.495%	101.690%
3	14:45:44	100.202%	95.650	95.850	94.970	94.420	93.410	103.093%	103.583%
x		98.669%	94.679%	95.536%	94.566%	94.991%	94.084%	101.102%	101.372%
σ		2.184%	n/a	n/a	n/a	n/a	n/a	2.213%	2.387%
%RSD		2.213	0.939	0.606	0.676	1.000	0.763	2.189	2.355

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	14:44:18	95.000	95.880	96.850	96.320	96.280	95.971%
2	14:45:01	95.480	95.960	96.920	97.000	96.530	99.285%
3	14:45:44	97.060	96.800	97.170	96.210	96.510	100.047%
x		95.845%	96.213%	96.979%	96.509%	96.440%	98.434%
σ		n/a	n/a	n/a	n/a	n/a	2.167%
%RSD		1.122	0.532	0.174	0.442	0.142	2.202

CCB1 9/6/2012 2:50:50 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:33	97.169%	0.081	0.109	-1.256	0.000	18.190	4.283	3.871
2	14:52:16	97.912%	0.065	-0.630	-1.126	0.000	17.980	3.966	4.325
3	14:52:59	97.885%	0.080	-0.278	-0.987	0.000	17.440	3.032	4.124
x		97.655%	0.075	-0.266	-1.123	0.000	17.870	3.760	4.107
σ		0.422%	0.009	0.370	0.135	0.000	0.385	0.650	0.228
%RSD		0.432	11.830	138.800	11.980	0.000	2.152	17.290	5.548

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:33	0.854	2.264	0.000	32.180	20.470	8.144	98.147%	-0.022
2	14:52:16	0.630	1.805	0.000	35.550	8.403	11.100	100.570%	-0.125
3	14:52:59	0.734	1.923	0.000	40.220	11.250	13.730	100.446%	0.095
x		0.739	1.997	0.000	35.980	13.370	10.990	99.721%	-0.017
σ		0.112	0.239	0.000	4.033	6.307	2.793	1.365%	0.110
%RSD		15.100	11.940	0.000	11.210	47.160	25.410	1.368	642.900

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:33	-0.048	-0.108	0.026	-8.888	33.020	0.010	-0.172	0.302
2	14:52:16	0.058	-0.050	0.004	-14.870	23.210	0.005	-0.045	0.102
3	14:52:59	-0.040	0.004	0.019	-17.530	28.920	0.018	-0.072	0.197
x		-0.010	-0.051	0.016	-13.760	28.380	0.011	-0.096	0.201
σ		0.059	0.056	0.011	4.427	4.926	0.007	0.067	0.100
%RSD		582.900	109.800	70.320	32.170	17.360	62.480	69.720	49.680

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:33	0.100	-0.563	-0.521	-0.067	8.728	-0.241	0.000	0.048
2	14:52:16	0.118	-0.561	-0.744	0.058	8.174	0.830	0.000	0.048
3	14:52:59	0.158	-0.590	-0.594	0.175	5.554	0.968	0.000	0.026
x		0.125	-0.571	-0.620	0.055	7.485	0.519	0.000	0.041
σ		0.030	0.016	0.114	0.121	1.696	0.661	0.000	0.013
%RSD		23.790	2.823	18.330	218.700	22.650	127.500	0.000	31.980

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:33	99.898%	2.392	2.301	100.416%	-0.006	-0.012	-0.076	-0.042
2	14:52:16	102.169%	2.179	2.128	103.770%	-0.011	0.009	0.108	0.072
3	14:52:59	104.005%	1.812	2.149	104.946%	-0.003	-0.013	-0.009	0.017
x		102.024%	2.128	2.193	103.044%	-0.007	-0.005	0.008	0.016
σ		2.058%	0.293	0.094	2.351%	0.004	0.012	0.093	0.057
%RSD		2.017	13.790	4.291	2.281	68.150	224.600	1236.000	367.400

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:33	100.803%	0.088	0.050	0.019	-0.012	-0.005	99.858%	100.416%
2	14:52:16	103.700%	0.022	0.048	0.040	-0.037	0.027	103.920%	102.393%
3	14:52:59	105.717%	0.009	0.047	0.045	-0.026	-0.013	105.399%	105.369%
x		103.407%	0.039	0.049	0.035	-0.025	0.003	103.059%	102.726%
σ		2.470%	0.043	0.002	0.014	0.012	0.021	2.869%	2.493%
%RSD		2.389	108.000	3.404	39.440	49.290	721.900	2.784	2.427

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:33	-0.002	-0.012	0.099	0.166	0.138	98.431%
2	14:52:16	0.001	-0.014	0.039	0.068	0.050	102.809%
3	14:52:59	-0.022	-0.019	0.026	0.074	0.053	103.888%
x		-0.008	-0.015	0.055	0.103	0.080	101.709%
σ		0.012	0.004	0.039	0.055	0.050	2.890%
%RSD		155.700	23.330	70.850	53.420	62.210	2.842

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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	14:55:52	96.983%	0.097	-1.772	-1.512	0.000	125.400	6.461	9.619
2	14:56:35	97.786%	0.036	-0.964	-2.070	0.000	96.900	13.330	9.406
3	14:57:18	98.405%	-0.037	-0.985	-2.091	0.000	74.900	9.507	10.980
x		97.725%	0.032	-1.240	-1.891	0.000	99.060	9.767	10.000
σ		0.713%	0.067	0.461	0.328	0.000	25.310	3.443	0.854
%RSD		0.729	210.800	37.140	17.360	0.000	25.550	35.250	8.537

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:55:52	5.977	4.458	0.000	47.090	12.740	23.410	94.607%	0.219
2	14:56:35	6.930	3.042	0.000	50.110	12.440	30.720	95.721%	0.342
3	14:57:18	8.059	4.095	0.000	44.130	44.020	30.720	97.203%	0.283
x		6.989	3.865	0.000	47.110	23.070	28.280	95.843%	0.282
σ		1.042	0.735	0.000	2.988	18.150	4.218	1.302%	0.061
%RSD		14.910	19.030	0.000	6.343	78.670	14.910	1.359	21.810

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:55:52	0.439	0.582	0.169	-4.231	32.240	-0.007	0.141	0.912
2	14:56:35	0.098	0.574	0.159	-9.814	28.190	0.000	0.032	0.963
3	14:57:18	0.081	0.572	0.177	-11.380	30.670	0.008	0.126	0.772
x		0.206	0.576	0.168	-8.473	30.370	0.000	0.100	0.882
σ		0.202	0.005	0.009	3.756	2.038	0.008	0.059	0.099
%RSD		98.060	0.952	5.427	44.330	6.712	4053.000	59.240	11.210

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:55:52	0.782	1.422	1.580	-0.140	9.036	-2.269	0.000	0.086
2	14:56:35	0.608	1.236	1.303	0.154	6.438	2.009	0.000	0.144
3	14:57:18	0.656	1.223	1.422	-0.245	4.436	-1.735	0.000	0.126
x		0.682	1.294	1.435	-0.077	6.637	-0.665	0.000	0.119
σ		0.090	0.112	0.139	0.207	2.307	2.331	0.000	0.030
%RSD		13.220	8.624	9.710	267.500	34.760	350.600	0.000	25.280

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:55:52	95.500%	2.140	1.967	97.418%	0.005	0.016	-0.054	-0.015
2	14:56:35	98.614%	1.855	1.795	101.361%	0.035	0.036	-0.059	-0.096
3	14:57:18	99.449%	1.461	1.617	102.917%	0.007	0.014	-0.092	-0.050
x		97.854%	1.819	1.793	100.566%	0.016	0.022	-0.068	-0.053
σ		2.081%	0.341	0.175	2.835%	0.016	0.013	0.021	0.041
%RSD		2.127	18.750	9.743	2.819	104.800	57.000	30.320	76.020

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:55:52	97.618%	2.299	0.050	0.040	0.076	0.067	98.244%	97.829%
2	14:56:35	101.107%	2.181	0.058	0.077	0.204	0.070	101.922%	102.120%
3	14:57:18	104.241%	1.832	0.068	0.053	0.080	0.047	103.843%	104.268%
x		100.988%	2.104	0.058	0.057	0.120	0.061	101.336%	101.406%
σ		3.313%	0.243	0.009	0.019	0.073	0.012	2.845%	3.279%
%RSD		3.281	11.560	15.460	32.950	60.590	20.090	2.808	3.233

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	14:55:52	0.042	0.051	0.272	0.318	0.305	99.717%
2	14:56:35	0.038	0.051	0.218	0.255	0.243	101.676%
3	14:57:18	0.024	0.021	0.213	0.267	0.251	102.700%
x		0.035	0.041	0.234	0.280	0.267	101.364%
σ		0.009	0.017	0.033	0.033	0.034	1.516%
%RSD		27.130	42.730	13.970	11.920	12.650	1.496

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:00:09	95.014%	43.250	891.500	921.200	0.000	43510.000	40350.000	41100.000
2	15:00:52	95.710%	43.900	912.000	945.700	0.000	43620.000	39120.000	40960.000
3	15:01:34	95.850%	46.510	948.200	978.900	0.000	44280.000	39220.000	41410.000
x		95.525%	44.550	917.200	948.600	0.000	43800.000	39560.000	41160.000
σ		0.448%	1.723	28.700	28.990	0.000	416.900	683.600	232.700
%RSD		0.469	3.867	3.129	3.055	0.000	0.952	1.728	0.565

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:00:09	1693.000	8513.000	0.000	48490.000	49130.000	44750.000	83.906%	887.500
2	15:00:52	1705.000	8689.000	0.000	49920.000	49450.000	45220.000	86.481%	880.900
3	15:01:34	1732.000	8905.000	0.000	50760.000	50290.000	45450.000	87.594%	881.500
x		1710.000	8702.000	0.000	49720.000	49630.000	45140.000	85.994%	883.300
σ		19.670	196.500	0.000	1149.000	595.300	354.700	1.892%	3.673
%RSD		1.150	2.258	0.000	2.311	1.200	0.786	2.200	0.416

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:00:09	444.100	185.300	449.600	1034.000	1344.000	458.500	460.800	244.000
2	15:00:52	443.000	186.800	450.900	1033.000	1357.000	459.100	467.100	244.000
3	15:01:34	444.500	186.100	456.800	1043.000	1355.000	468.100	468.000	248.000
x		443.900	186.000	452.400	1036.000	1352.000	461.900	465.300	245.300
σ		0.750	0.765	3.839	5.468	6.722	5.388	3.953	2.318
%RSD		0.169	0.411	0.849	0.528	0.497	1.166	0.850	0.945

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:00:09	244.400	513.800	510.800	37.100	14.540	9.654	0.000	852.900
2	15:00:52	247.300	520.000	513.300	35.880	13.140	7.180	0.000	847.000
3	15:01:34	250.800	528.200	521.000	37.460	12.400	9.789	0.000	855.400
x		247.500	520.700	515.000	36.820	13.360	8.874	0.000	851.800
σ		3.199	7.258	5.354	0.827	1.084	1.469	0.000	4.309
%RSD		1.292	1.394	1.040	2.247	8.115	16.550	0.000	0.506

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:00:09	87.931%	895.700	903.100	89.468%	44.110	44.730	44.170	38.310
2	15:00:52	92.134%	892.500	903.900	93.598%	44.280	45.250	43.680	37.790
3	15:01:34	92.999%	899.400	912.900	96.016%	44.490	44.680	43.910	39.340
x		91.021%	895.800	906.600	93.027%	44.290	44.890	43.920	38.480
σ		2.711%	3.476	5.453	3.311%	0.187	0.314	0.245	0.786
%RSD		2.978	0.388	0.602	3.559	0.423	0.700	0.557	2.043

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:00:09	89.583%	1701.000	436.700	429.100	1694.000	1680.000	93.419%	94.591%
2	15:00:52	94.801%	1705.000	435.900	431.100	1691.000	1680.000	98.594%	99.178%
3	15:01:34	96.975%	1704.000	430.900	431.500	1694.000	1682.000	99.346%	101.207%
x		93.786%	1703.000	434.500	430.600	1693.000	1681.000	97.120%	98.325%
σ		3.799%	1.742	3.131	1.288	1.776	1.075	3.227%	3.389%
%RSD		4.050	0.102	0.721	0.299	0.105	0.064	3.322	3.447

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:00:09	43.580	44.070	19.130	18.480	18.750	92.020%
2	15:00:52	44.240	43.940	19.130	18.730	18.910	96.118%
3	15:01:34	43.740	43.780	18.550	18.320	18.440	98.397%
x		43.850	43.930	18.940	18.510	18.700	95.512%
σ		0.347	0.148	0.336	0.206	0.238	3.231%
%RSD		0.792	0.337	1.776	1.114	1.273	3.383

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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	15:07:19	98.736%	4.727	194.500	216.900	0.000	80320.000	57050.000	57890.000
2	15:08:02	99.518%	4.440	200.300	219.700	0.000	80560.000	56040.000	58650.000
3	15:08:45	100.114%	4.957	208.800	224.000	0.000	80480.000	55150.000	58630.000
x		99.456%	4.708	201.200	220.200	0.000	80450.000	56080.000	58390.000
σ		0.691%	0.259	7.215	3.595	0.000	122.400	954.700	433.300
%RSD		0.695	5.500	3.586	1.632	0.000	0.152	1.702	0.742

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:07:19	82330.000	7290.000	0.000	20200.000	60820.000	56200.000	95.508%	2540.000
2	15:08:02	83210.000	7454.000	0.000	20860.000	62370.000	56880.000	97.307%	2547.000
3	15:08:45	83690.000	7394.000	0.000	21140.000	63500.000	57290.000	98.353%	2548.000
x		83080.000	7379.000	0.000	20730.000	62230.000	56790.000	97.056%	2545.000
σ		688.400	82.960	0.000	481.300	1345.000	550.700	1.439%	4.106
%RSD		0.829	1.124	0.000	2.321	2.162	0.970	1.483	0.161

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:07:19	284.300	552.600	1595.000	178500.000	175800.000	70.450	356.000	1933.000
2	15:08:02	285.500	556.300	1606.000	180700.000	178200.000	70.680	361.300	1974.000
3	15:08:45	284.800	554.100	1610.000	180300.000	178500.000	72.090	363.200	1975.000
x		284.900	554.300	1604.000	179800.000	177500.000	71.070	360.200	1961.000
σ		0.574	1.826	7.632	1189.000	1481.000	0.889	3.696	23.960
%RSD		0.202	0.330	0.476	0.661	0.834	1.250	1.026	1.222

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:07:19	1956.000	4527.000	4578.000	74.590	13.840	20.690	0.000	339.600
2	15:08:02	1985.000	4583.000	4613.000	76.140	9.094	13.220	0.000	338.800
3	15:08:45	1999.000	4628.000	4666.000	73.070	8.629	14.320	0.000	340.200
x		1980.000	4579.000	4619.000	74.600	10.520	16.080	0.000	339.600
σ		21.940	50.330	44.640	1.535	2.882	4.031	0.000	0.700
%RSD		1.108	1.099	0.967	2.057	27.400	25.070	0.000	0.206

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:07:19	0.000	56.340	56.040	89.602%	41.130	41.380	23.420	22.760
2	15:08:02	0.000	54.810	55.780	93.602%	41.020	41.290	24.810	23.090
3	15:08:45	0.000	56.380	55.250	95.567%	41.280	41.730	24.840	23.840
x		0.000	55.840	55.690	92.923%	41.140	41.470	24.360	23.230
σ		0.000	0.892	0.403	3.040%	0.131	0.234	0.809	0.551
%RSD		0.000	1.598	0.723	3.272	0.318	0.565	3.319	2.370

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:07:19	90.115%	191.700	12.570	12.040	1182.000	1164.000	101.367%	102.152%
2	15:08:02	95.275%	181.700	12.530	12.110	1167.000	1157.000	106.811%	106.405%
3	15:08:45	96.497%	181.400	12.680	12.130	1180.000	1168.000	106.090%	107.541%
x		93.963%	184.900	12.590	12.090	1176.000	1163.000	104.756%	105.366%
σ		3.387%	5.899	0.079	0.048	8.310	5.491	2.957%	2.841%
%RSD		3.605	3.190	0.627	0.395	0.707	0.472	2.823	2.696

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:07:19	1.991	2.032	3158.000	3188.000	3168.000	97.670%
2	15:08:02	2.004	2.024	3203.000	3208.000	3185.000	101.235%
3	15:08:45	2.072	2.078	3199.000	3204.000	3184.000	103.557%
x		2.022	2.045	3187.000	3200.000	3179.000	100.821%
σ		0.043	0.029	25.240	10.360	9.558	2.965%
%RSD		2.136	1.431	0.792	0.324	0.301	2.941

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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	15:11:37	104.502%	0.953	41.690	40.590	0.000	15430.000	10220.000	10480.000
2	15:12:20	103.917%	0.901	37.490	39.780	0.000	15440.000	9996.000	10500.000
3	15:13:03	103.849%	0.763	39.390	41.010	0.000	15560.000	10010.000	10540.000
x		104.089%	0.872	39.520	40.460	0.000	15480.000	10080.000	10510.000
σ		0.359%	0.098	2.101	0.627	0.000	73.750	129.300	33.360
%RSD		0.345	11.240	5.315	1.549	0.000	0.476	1.283	0.318

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:11:37	15960.000	1445.000	0.000	4118.000	11890.000	11060.000	99.416%	497.700
2	15:12:20	15990.000	1452.000	0.000	4210.000	11920.000	11140.000	101.395%	491.600
3	15:13:03	16070.000	1478.000	0.000	4267.000	12700.000	11080.000	101.771%	490.200
x		16010.000	1458.000	0.000	4198.000	12170.000	11090.000	100.860%	493.200
σ		58.850	17.350	0.000	75.430	459.900	40.870	1.265%	3.987
%RSD		0.368	1.190	0.000	1.797	3.779	0.368	1.254	0.808

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:11:37	56.090	106.800	308.700	35080.000	34240.000	13.300	70.000	379.900
2	15:12:20	55.790	106.800	308.400	35140.000	34450.000	13.880	71.070	381.200
3	15:13:03	54.670	105.900	310.100	35160.000	34460.000	13.650	70.510	384.000
x		55.520	106.500	309.100	35130.000	34380.000	13.610	70.530	381.700
σ		0.745	0.519	0.901	47.020	124.400	0.288	0.536	2.099
%RSD		1.343	0.488	0.292	0.134	0.362	2.120	0.759	0.550

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:11:37	382.900	910.500	918.100	15.300	0.305	2.650	0.000	63.320
2	15:12:20	384.800	913.300	909.500	14.720	-1.363	2.873	0.000	62.270
3	15:13:03	387.800	921.000	921.100	13.660	-1.384	1.824	0.000	63.240
x		385.200	914.900	916.200	14.560	-0.814	2.449	0.000	62.940
σ		2.438	5.452	6.035	0.832	0.970	0.553	0.000	0.583
%RSD		0.633	0.596	0.659	5.712	119.100	22.570	0.000	0.926

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:11:37	0.000	10.770	10.510	101.990%	7.798	7.713	4.354	4.368
2	15:12:20	0.000	10.260	11.110	105.903%	7.505	7.784	4.689	4.620
3	15:13:03	0.000	10.180	10.810	107.368%	7.601	7.627	5.080	4.663
x		0.000	10.400	10.810	105.087%	7.635	7.708	4.708	4.550
σ		0.000	0.318	0.304	2.780%	0.150	0.078	0.363	0.159
%RSD		0.000	3.061	2.815	2.646	1.961	1.018	7.717	3.496

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:11:37	101.971%	31.400	2.494	2.375	222.900	224.000	103.562%	103.620%
2	15:12:20	106.644%	31.320	2.477	2.324	221.200	220.800	107.779%	108.039%
3	15:13:03	107.398%	30.980	2.370	2.458	226.000	221.900	108.048%	108.961%
x		105.338%	31.230	2.447	2.386	223.400	222.200	106.463%	106.873%
σ		2.940%	0.223	0.067	0.068	2.423	1.592	2.516%	2.855%
%RSD		2.791	0.714	2.748	2.837	1.085	0.716	2.363	2.671

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:11:37	0.380	0.386	641.500	639.900	637.600	98.619%
2	15:12:20	0.345	0.415	635.100	635.400	632.200	103.003%
3	15:13:03	0.410	0.403	630.800	632.100	627.600	105.011%
x		0.379	0.401	635.800	635.800	632.500	102.211%
σ		0.033	0.014	5.381	3.878	5.005	3.269%
%RSD		8.612	3.603	0.846	0.610	0.791	3.198

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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	15:15:55	95.188%	51.140	1152.000	1177.000	0.000	126300.000	99040.000	101800.000
2	15:16:38	95.233%	50.490	1149.000	1208.000	0.000	125900.000	96240.000	101700.000
3	15:17:21	94.278%	52.870	1160.000	1233.000	0.000	127400.000	96010.000	102000.000
x		94.900%	51.500	1154.000	1206.000	0.000	126500.000	97100.000	101900.000
σ		0.539%	1.232	5.537	28.220	0.000	755.500	1689.000	150.900
%RSD		0.568	2.391	0.480	2.340	0.000	0.597	1.739	0.148

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:15:55	118100.000	9330.000	0.000	73340.000	108900.000	105800.000	96.180%	3851.000
2	15:16:38	119400.000	9702.000	0.000	75660.000	111100.000	106300.000	96.487%	3880.000
3	15:17:21	120200.000	10240.000	0.000	76740.000	112700.000	107600.000	96.988%	3893.000
x		119200.000	9759.000	0.000	75240.000	110900.000	106600.000	96.552%	3875.000
σ		1049.000	459.400	0.000	1739.000	1905.000	970.100	0.408%	21.610
%RSD		0.880	4.707	0.000	2.311	1.718	0.910	0.423	0.558

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:15:55	730.600	758.400	1911.000	188700.000	186100.000	494.400	945.900	2212.000
2	15:16:38	731.200	758.800	1933.000	189500.000	186800.000	498.800	952.300	2224.000
3	15:17:21	735.400	763.400	2019.000	190700.000	189700.000	503.700	961.100	2249.000
x		732.400	760.200	1954.000	189600.000	187500.000	499.000	953.100	2228.000
σ		2.616	2.764	57.250	1026.000	1900.000	4.654	7.617	19.040
%RSD		0.357	0.363	2.930	0.541	1.013	0.933	0.799	0.854

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:15:55	2249.000	5665.000	5720.000	113.600	18.040	25.150	0.000	1210.000
2	15:16:38	2270.000	5751.000	5791.000	112.400	15.690	22.970	0.000	1201.000
3	15:17:21	2275.000	5782.000	5838.000	112.000	17.610	22.890	0.000	1206.000
x		2264.000	5733.000	5783.000	112.700	17.110	23.670	0.000	1205.000
σ		13.950	60.150	59.730	0.866	1.250	1.284	0.000	4.607
%RSD		0.616	1.049	1.033	0.768	7.305	5.426	0.000	0.382

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:15:55	0.000	942.700	957.100	89.307%	85.280	85.970	73.000	65.970
2	15:16:38	0.000	937.200	952.700	93.210%	84.220	85.280	72.490	64.920
3	15:17:21	0.000	946.000	960.000	93.789%	85.430	85.770	72.550	65.970
x		0.000	942.000	956.600	92.102%	84.980	85.670	72.680	65.620
σ		0.000	4.405	3.672	2.438%	0.661	0.351	0.281	0.606
%RSD		0.000	0.468	0.384	2.647	0.778	0.409	0.387	0.923

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:15:55	90.454%	1895.000	310.200	305.500	2888.000	2846.000	101.945%	102.604%
2	15:16:38	94.909%	1881.000	308.900	302.300	2874.000	2835.000	104.652%	106.289%
3	15:17:21	96.135%	1887.000	306.500	300.900	2848.000	2812.000	106.719%	108.308%
x		93.833%	1888.000	308.500	302.900	2870.000	2831.000	104.438%	105.734%
σ		2.990%	7.203	1.892	2.361	20.470	17.340	2.394%	2.892%
%RSD		3.186	0.382	0.613	0.779	0.713	0.613	2.293	2.736

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:15:55	44.090	44.210	3134.000	3149.000	3130.000	93.816%
2	15:16:38	43.540	43.870	3119.000	3129.000	3106.000	98.447%
3	15:17:21	43.930	44.290	3122.000	3139.000	3114.000	99.617%
x		43.850	44.120	3125.000	3139.000	3117.000	97.293%
σ		0.280	0.225	7.909	10.270	11.980	3.068%
%RSD		0.638	0.510	0.253	0.327	0.384	3.153

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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	15:20:12	94.202%	49.870	1153.000	1173.000	0.000	124500.000	96440.000	100800.000
2	15:20:56	94.726%	50.140	1164.000	1204.000	0.000	124100.000	94600.000	101300.000
3	15:21:38	92.776%	52.270	1184.000	1249.000	0.000	125700.000	94890.000	101500.000
x		93.901%	50.760	1167.000	1209.000	0.000	124800.000	95310.000	101200.000
σ		1.009%	1.317	15.440	38.110	0.000	822.900	993.000	354.300
%RSD		1.075	2.595	1.323	3.153	0.000	0.659	1.042	0.350

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:20:12	117900.000	12020.000	0.000	73280.000	108600.000	103700.000	97.406%	3802.000
2	15:20:56	119200.000	12150.000	0.000	75440.000	108700.000	105200.000	97.652%	3804.000
3	15:21:38	119600.000	12200.000	0.000	76390.000	109600.000	105100.000	97.909%	3798.000
x		118900.000	12120.000	0.000	75040.000	109000.000	104700.000	97.656%	3801.000
σ		865.700	97.210	0.000	1592.000	544.900	848.700	0.252%	3.212
%RSD		0.728	0.802	0.000	2.122	0.500	0.811	0.258	0.085

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:20:12	727.200	809.600	1984.000	190200.000	188300.000	490.900	815.300	2212.000
2	15:20:56	721.500	810.300	1952.000	191500.000	189900.000	498.900	825.900	2250.000
3	15:21:38	719.200	807.100	1981.000	192100.000	190700.000	499.900	828.700	2239.000
x		722.600	809.000	1972.000	191300.000	189600.000	496.600	823.300	2234.000
σ		4.154	1.679	17.860	990.300	1221.000	4.935	7.104	19.580
%RSD		0.575	0.208	0.905	0.518	0.644	0.994	0.863	0.876

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:20:12	2249.000	5061.000	5114.000	107.300	18.530	26.010	0.000	1198.000
2	15:20:56	2281.000	5161.000	5208.000	106.500	18.300	22.800	0.000	1200.000
3	15:21:38	2272.000	5187.000	5237.000	109.000	15.160	25.150	0.000	1195.000
x		2267.000	5137.000	5187.000	107.600	17.330	24.650	0.000	1198.000
σ		16.640	66.660	64.380	1.276	1.883	1.664	0.000	2.507
%RSD		0.734	1.298	1.241	1.185	10.870	6.749	0.000	0.209

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:20:12	0.000	933.600	947.000	91.607%	82.580	82.970	77.060	70.510
2	15:20:56	0.000	935.100	948.500	94.415%	83.580	82.610	78.880	71.140
3	15:21:38	0.000	936.700	955.900	95.252%	83.430	83.320	77.700	72.830
x		0.000	935.200	950.400	93.758%	83.200	82.970	77.880	71.490
σ		0.000	1.555	4.770	1.909%	0.539	0.357	0.921	1.199
%RSD		0.000	0.166	0.502	2.036	0.648	0.431	1.183	1.678

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:20:12	92.635%	1850.000	302.300	300.100	2824.000	2798.000	104.084%	103.460%
2	15:20:56	97.135%	1829.000	302.400	297.700	2847.000	2805.000	105.724%	107.594%
3	15:21:38	96.493%	1860.000	305.100	302.200	2845.000	2811.000	106.878%	108.446%
x		95.421%	1847.000	303.300	300.000	2839.000	2805.000	105.562%	106.500%
σ		2.434%	15.880	1.598	2.246	12.610	6.863	1.404%	2.667%
%RSD		2.551	0.860	0.527	0.749	0.444	0.245	1.330	2.504

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:20:12	42.630	43.450	3148.000	3156.000	3142.000	96.594%
2	15:20:56	42.920	42.850	3123.000	3139.000	3111.000	100.650%
3	15:21:38	42.560	43.060	3123.000	3136.000	3113.000	101.967%
x		42.700	43.120	3131.000	3144.000	3122.000	99.737%
σ		0.191	0.302	14.700	11.020	17.320	2.800%
%RSD		0.446	0.700	0.469	0.351	0.555	2.808

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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	15:27:25	101.129%	6.561	264.900	277.700	0.000	71930.000	62780.000	64160.000
2	15:28:08	99.706%	6.991	268.200	289.700	0.000	73060.000	62080.000	64980.000
3	15:28:51	99.055%	6.223	272.800	296.600	0.000	73840.000	62160.000	65390.000
x		99.963%	6.591	268.600	288.000	0.000	72940.000	62340.000	64840.000
σ		1.060%	0.385	3.973	9.561	0.000	955.800	386.000	628.000
%RSD		1.061	5.837	1.479	3.320	0.000	1.310	0.619	0.968

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:27:25	108200.000	5957.000	0.000	25590.000	52920.000	48340.000	103.740%	3269.000
2	15:28:08	111100.000	6047.000	0.000	26620.000	55170.000	48980.000	104.205%	3268.000
3	15:28:51	112200.000	6119.000	0.000	26930.000	55460.000	49300.000	104.773%	3253.000
x		110500.000	6041.000	0.000	26380.000	54520.000	48870.000	104.239%	3263.000
σ		2050.000	81.220	0.000	702.200	1391.000	489.300	0.517%	9.067
%RSD		1.856	1.344	0.000	2.662	2.552	1.001	0.496	0.278

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:27:25	377.100	658.200	1922.000	207100.000	203600.000	87.860	382.600	2088.000
2	15:28:08	375.400	657.500	2021.000	209700.000	206800.000	87.680	390.600	2133.000
3	15:28:51	374.900	658.200	2032.000	209400.000	207500.000	88.220	391.200	2136.000
x		375.800	658.000	1992.000	208700.000	206000.000	87.920	388.100	2119.000
σ		1.149	0.438	60.500	1405.000	2068.000	0.271	4.783	26.510
%RSD		0.306	0.067	3.038	0.673	1.004	0.309	1.232	1.251

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:27:25	2120.000	5001.000	5053.000	80.400	10.020	15.590	0.000	377.000
2	15:28:08	2165.000	5092.000	5167.000	81.790	8.406	18.520	0.000	379.100
3	15:28:51	2168.000	5130.000	5191.000	81.770	7.171	18.780	0.000	379.200
x		2151.000	5074.000	5137.000	81.320	8.531	17.630	0.000	378.400
σ		26.880	66.430	73.530	0.795	1.426	1.775	0.000	1.217
%RSD		1.250	1.309	1.431	0.978	16.720	10.070	0.000	0.322

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:27:25	0.000	71.380	72.690	95.235%	57.750	58.090	27.370	27.190
2	15:28:08	0.000	72.340	72.000	98.402%	57.910	58.320	29.270	27.960
3	15:28:51	0.000	70.410	72.150	99.388%	59.720	58.450	27.430	26.270
x		0.000	71.380	72.280	97.675%	58.460	58.280	28.020	27.140
σ		0.000	0.962	0.364	2.170%	1.097	0.184	1.080	0.848
%RSD		0.000	1.348	0.504	2.221	1.876	0.316	3.855	3.124

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:27:25	96.046%	202.400	11.680	11.270	1300.000	1288.000	106.689%	107.624%
2	15:28:08	99.508%	201.000	11.110	11.880	1298.000	1273.000	111.015%	112.201%
3	15:28:51	100.857%	197.700	11.440	11.520	1302.000	1280.000	111.665%	113.354%
x		98.804%	200.400	11.410	11.560	1300.000	1280.000	109.789%	111.060%
σ		2.482%	2.426	0.287	0.310	2.040	7.505	2.705%	3.031%
%RSD		2.512	1.211	2.515	2.681	0.157	0.586	2.464	2.729

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:27:25	2.899	2.725	3231.000	3232.000	3236.000	97.537%
2	15:28:08	2.838	2.790	3234.000	3248.000	3233.000	101.744%
3	15:28:51	2.761	2.818	3242.000	3230.000	3228.000	102.828%
x		2.833	2.777	3236.000	3237.000	3232.000	100.703%
σ		0.069	0.048	5.699	9.706	3.805	2.795%
%RSD		2.437	1.718	0.176	0.300	0.118	2.776

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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	15:31:44	94.934%	5.761	225.000	248.600	0.000	74100.000	85230.000	89070.000
2	15:32:27	91.965%	5.170	242.900	247.800	0.000	73990.000	82780.000	88520.000
3	15:33:10	90.973%	5.275	231.900	254.200	0.000	74870.000	83150.000	89800.000
x		92.624%	5.402	233.300	250.200	0.000	74320.000	83720.000	89130.000
σ		2.061%	0.315	9.038	3.493	0.000	481.600	1319.000	640.900
%RSD		2.226	5.834	3.874	1.396	0.000	0.648	1.575	0.719

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:31:44	92430.000	7174.000	0.000	24600.000	159100.000	156200.000	93.378%	4514.000
2	15:32:27	92750.000	7132.000	0.000	25220.000	162500.000	156000.000	93.621%	4423.000
3	15:33:10	95160.000	7481.000	0.000	25700.000	165800.000	157600.000	92.417%	4485.000
x		93450.000	7262.000	0.000	25170.000	162500.000	156600.000	93.139%	4474.000
σ		1497.000	190.200	0.000	554.300	3361.000	904.200	0.637%	46.830
%RSD		1.602	2.619	0.000	2.202	2.069	0.577	0.683	1.047

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:31:44	406.700	993.800	1935.000	231500.000	229500.000	89.870	790.900	3381.000
2	15:32:27	397.400	986.000	2011.000	229300.000	228500.000	89.990	792.200	3392.000
3	15:33:10	404.800	997.200	2042.000	233600.000	232000.000	90.880	811.400	3447.000
x		402.900	992.300	1996.000	231500.000	230000.000	90.240	798.200	3407.000
σ		4.930	5.738	54.800	2144.000	1808.000	0.554	11.450	35.020
%RSD		1.223	0.578	2.745	0.926	0.786	0.614	1.434	1.028

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:31:44	3432.000	8827.000	8948.000	106.700	14.220	19.690	0.000	768.500
2	15:32:27	3443.000	8919.000	8992.000	107.300	13.110	18.250	0.000	761.000
3	15:33:10	3497.000	9052.000	9137.000	107.500	10.830	17.440	0.000	767.500
x		3457.000	8933.000	9025.000	107.200	12.720	18.460	0.000	765.600
σ		34.810	112.900	98.880	0.454	1.732	1.143	0.000	4.077
%RSD		1.007	1.264	1.096	0.423	13.620	6.192	0.000	0.532

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:31:44	0.000	79.010	80.660	90.033%	81.410	81.900	58.430	59.210
2	15:32:27	0.000	78.450	79.130	91.930%	82.090	81.050	58.970	58.020
3	15:33:10	0.000	78.360	78.450	92.667%	82.990	82.380	60.560	58.930
x		0.000	78.610	79.410	91.543%	82.160	81.780	59.320	58.720
σ		0.000	0.353	1.132	1.359%	0.793	0.674	1.108	0.622
%RSD		0.000	0.449	1.426	1.484	0.965	0.825	1.868	1.059

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:31:44	91.533%	361.300	24.490	24.330	3690.000	3633.000	100.067%	100.656%
2	15:32:27	93.133%	365.500	24.780	24.930	3686.000	3637.000	101.039%	103.364%
3	15:33:10	93.830%	366.500	24.720	24.320	3681.000	3633.000	102.083%	103.865%
x		92.832%	364.400	24.660	24.530	3686.000	3634.000	101.063%	102.629%
σ		1.177%	2.744	0.151	0.348	4.146	2.074	1.008%	1.726%
%RSD		1.268	0.753	0.613	1.419	0.113	0.057	0.997	1.682

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:31:44	2.650	2.714	7619.000	7650.000	7616.000	93.099%
2	15:32:27	2.663	2.734	7581.000	7654.000	7599.000	94.939%
3	15:33:10	2.621	2.627	7540.000	7593.000	7558.000	96.881%
x		2.645	2.692	7580.000	7632.000	7591.000	94.973%
σ		0.021	0.056	39.340	33.990	29.670	1.891%
%RSD		0.808	2.097	0.519	0.445	0.391	1.991

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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	15:36:10	94.683%	5.535	218.700	231.000	0.000	70450.000	80580.000	84150.000
2	15:36:58	95.123%	4.907	207.400	230.000	0.000	69630.000	77120.000	83110.000
3	15:37:41	94.385%	5.155	222.500	236.900	0.000	70470.000	77970.000	84380.000
x		94.730%	5.199	216.200	232.600	0.000	70180.000	78560.000	83880.000
σ		0.371%	0.316	7.841	3.766	0.000	481.700	1801.000	676.300
%RSD		0.392	6.083	3.626	1.619	0.000	0.686	2.292	0.806

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:36:10	88950.000	6696.000	0.000	25850.000	165100.000	159400.000	96.158%	4980.000
2	15:36:58	88820.000	6754.000	0.000	26570.000	167500.000	159700.000	96.411%	4905.000
3	15:37:41	89720.000	6787.000	0.000	26830.000	168600.000	159600.000	96.501%	4932.000
x		89170.000	6746.000	0.000	26420.000	167100.000	159600.000	96.357%	4939.000
σ		487.900	46.060	0.000	508.700	1754.000	160.000	0.178%	37.770
%RSD		0.547	0.683	0.000	1.926	1.050	0.100	0.185	0.765

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:36:10	430.200	1362.000	1673.000	247600.000	245500.000	93.710	1114.000	4391.000
2	15:36:58	419.800	1343.000	1689.000	249100.000	246800.000	94.640	1123.000	4440.000
3	15:37:41	419.300	1350.000	1692.000	250000.000	248500.000	96.060	1130.000	4473.000
x		423.100	1352.000	1685.000	248900.000	246900.000	94.810	1122.000	4435.000
σ		6.187	9.405	10.130	1174.000	1481.000	1.183	8.178	40.950
%RSD		1.462	0.696	0.601	0.471	0.600	1.248	0.729	0.923

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:36:10	4466.000	9423.000	9506.000	110.700	11.850	17.660	0.000	755.700
2	15:36:58	4509.000	9579.000	9624.000	111.300	9.771	22.140	0.000	748.400
3	15:37:41	4541.000	9622.000	9682.000	111.400	8.694	20.090	0.000	752.200
x		4505.000	9541.000	9604.000	111.100	10.100	19.960	0.000	752.100
σ		37.780	104.900	89.820	0.402	1.604	2.244	0.000	3.654
%RSD		0.839	1.100	0.935	0.362	15.880	11.240	0.000	0.486

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:36:10	0.000	92.590	92.710	93.496%	90.230	90.380	72.450	69.790
2	15:36:58	0.000	91.740	92.650	96.326%	90.380	90.360	71.230	70.350
3	15:37:41	0.000	92.130	93.600	96.915%	89.140	90.340	72.430	69.210
x		0.000	92.150	92.990	95.579%	89.910	90.360	72.040	69.780
σ		0.000	0.425	0.535	1.828%	0.677	0.020	0.695	0.570
%RSD		0.000	0.461	0.575	1.913	0.752	0.022	0.965	0.817

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:36:10	93.880%	462.400	41.020	40.460	2868.000	2831.000	103.208%	103.981%
2	15:36:58	98.144%	460.200	41.480	40.050	2837.000	2800.000	105.463%	106.805%
3	15:37:41	98.577%	459.900	40.740	40.920	2847.000	2811.000	106.571%	107.186%
x		96.867%	460.800	41.080	40.470	2851.000	2814.000	105.081%	105.991%
σ		2.595%	1.383	0.373	0.436	15.750	15.850	1.713%	1.751%
%RSD		2.679	0.300	0.907	1.076	0.552	0.563	1.631	1.652

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:36:10	2.399	2.649	9189.000	9195.000	9156.000	95.625%
2	15:36:58	2.496	2.587	9164.000	9149.000	9124.000	99.351%
3	15:37:41	2.518	2.604	9202.000	9207.000	9161.000	99.962%
x		2.471	2.613	9185.000	9184.000	9147.000	98.313%
σ		0.063	0.032	19.680	30.930	19.870	2.348%
%RSD		2.564	1.219	0.214	0.337	0.217	2.388

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:40:35	88.595%	4.738	227.300	241.700	0.000	74270.000	83300.000	86880.000
2	15:41:18	89.537%	4.464	219.400	241.700	0.000	73240.000	79670.000	85290.000
3	15:42:00	89.295%	4.775	229.500	240.900	0.000	73590.000	80790.000	86010.000
x		89.142%	4.659	225.400	241.400	0.000	73700.000	81250.000	86060.000
σ		0.489%	0.170	5.324	0.457	0.000	523.200	1858.000	797.800
%RSD		0.549	3.649	2.362	0.189	0.000	0.710	2.287	0.927

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:40:35	90460.000	7408.000	0.000	28610.000	162900.000	160200.000	90.420%	5456.000
2	15:41:18	90320.000	7427.000	0.000	29270.000	165600.000	159800.000	91.196%	5428.000
3	15:42:00	90920.000	7413.000	0.000	29470.000	167100.000	159400.000	92.409%	5399.000
x		90570.000	7416.000	0.000	29120.000	165200.000	159800.000	91.342%	5428.000
σ		315.400	10.010	0.000	448.200	2160.000	394.200	1.002%	28.790
%RSD		0.348	0.135	0.000	1.539	1.307	0.247	1.097	0.530

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:40:35	432.700	1421.000	1698.000	270300.000	268100.000	100.500	1089.000	3813.000
2	15:41:18	423.700	1422.000	1706.000	271600.000	269300.000	101.400	1095.000	3859.000
3	15:42:00	423.100	1412.000	1705.000	270600.000	269100.000	100.800	1087.000	3846.000
x		426.500	1418.000	1703.000	270800.000	268800.000	100.900	1090.000	3840.000
σ		5.370	5.344	4.315	705.200	628.900	0.480	4.106	23.890
%RSD		1.259	0.377	0.253	0.260	0.234	0.476	0.377	0.622

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:40:35	3871.000	9008.000	9074.000	116.900	12.640	18.840	0.000	746.800
2	15:41:18	3938.000	9113.000	9209.000	117.000	10.200	21.470	0.000	741.900
3	15:42:00	3917.000	9133.000	9183.000	118.900	10.630	21.130	0.000	741.200
x		3909.000	9085.000	9155.000	117.600	11.150	20.480	0.000	743.300
σ		34.190	67.090	71.300	1.117	1.303	1.433	0.000	3.017
%RSD		0.875	0.739	0.779	0.950	11.680	6.997	0.000	0.406

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:40:35	0.000	69.060	67.830	88.428%	68.190	68.210	91.960	90.980
2	15:41:18	0.000	67.650	69.180	91.146%	68.740	68.960	93.820	88.990
3	15:42:00	0.000	68.280	69.060	92.573%	68.880	68.320	93.580	91.650
x		0.000	68.330	68.690	90.715%	68.600	68.500	93.120	90.540
σ		0.000	0.710	0.743	2.106%	0.362	0.405	1.009	1.381
%RSD		0.000	1.038	1.081	2.321	0.528	0.592	1.084	1.525

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:40:35	89.654%	416.800	26.250	26.140	2838.000	2804.000	96.395%	97.935%
2	15:41:18	92.448%	419.200	26.540	26.370	2837.000	2802.000	99.673%	100.777%
3	15:42:00	93.982%	417.000	26.510	25.950	2834.000	2797.000	100.812%	102.784%
x		92.028%	417.700	26.430	26.150	2836.000	2801.000	98.960%	100.499%
σ		2.194%	1.322	0.161	0.213	1.939	3.596	2.293%	2.437%
%RSD		2.384	0.317	0.610	0.814	0.068	0.128	2.317	2.424

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:40:35	2.424	2.511	7865.000	7888.000	7845.000	90.298%
2	15:41:18	2.490	2.589	7839.000	7843.000	7817.000	93.471%
3	15:42:00	2.533	2.605	7837.000	7844.000	7815.000	95.153%
x		2.483	2.569	7847.000	7858.000	7826.000	92.974%
σ		0.055	0.050	15.600	25.910	16.540	2.465%
%RSD		2.209	1.966	0.199	0.330	0.211	2.652

CCV 526714 9/6/2012 3:47:05 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:47:49	93.945%	100.300	98.540	98.340	0.000	49400.000	44950.000	45940.000
2	15:48:32	90.019%	101.700	105.000	103.500	0.000	49360.000	43640.000	45890.000
3	15:49:15	90.975%	101.400	96.610	101.300	0.000	48580.000	43430.000	45570.000
x		91.646%	101.143%	100.050%	101.050%	0.000	98.229%	88.012%	91.600%
σ		2.047%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		2.234	0.700	4.395	2.551	0.000	0.942	1.867	0.437

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:47:49	490.400	5053.000	0.000	53390.000	50990.000	47170.000	93.191%	100.500
2	15:48:32	498.800	5144.000	0.000	54870.000	52880.000	47510.000	91.710%	97.560
3	15:49:15	500.400	5095.000	0.000	54180.000	52490.000	47240.000	92.063%	96.600
x		99.310%	101.950%	0.000	108.292%	104.244%	94.614%	92.321%	98.234%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.774%	n/a
%RSD		1.087	0.893	0.000	1.370	1.916	0.383	0.838	2.098

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:47:49	93.170	95.110	482.800	25110.000	24610.000	100.500	102.900	105.300
2	15:48:32	92.490	95.330	481.900	25160.000	24910.000	101.300	102.200	106.000
3	15:49:15	93.310	94.700	476.800	24890.000	24530.000	99.490	101.500	104.600
x		92.988%	95.044%	96.096%	100.220%	98.717%	100.456%	102.194%	105.303%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.470	0.338	0.669	0.570	0.815	0.926	0.678	0.664

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:47:49	105.900	106.600	106.800	101.200	93.050	96.940	0.000	95.590
2	15:48:32	107.300	109.100	106.000	99.500	96.200	98.810	0.000	94.790
3	15:49:15	105.100	108.100	107.200	99.170	93.150	95.470	0.000	94.100
x		106.103%	107.945%	106.667%	99.961%	94.131%	97.076%	0.000	94.830%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.071	1.137	0.551	1.090	1.903	1.723	0.000	0.787

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:47:49	97.695%	91.710	92.150	98.523%	95.170	97.150	95.700	95.880
2	15:48:32	97.693%	96.390	96.470	99.608%	96.440	97.000	94.300	95.440
3	15:49:15	98.003%	97.190	97.110	99.326%	96.070	95.600	94.370	95.630
x		97.797%	95.099%	95.243%	99.153%	95.892%	96.582%	94.792%	95.651%
σ		0.178%	n/a	n/a	0.563%	n/a	n/a	n/a	n/a
%RSD		0.182	3.112	2.828	0.568	0.679	0.881	0.831	0.232

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:47:49	99.582%	91.630	95.850	93.840	95.440	93.270	98.303%	98.992%
2	15:48:32	100.463%	94.990	95.110	95.400	93.510	94.480	99.809%	99.543%
3	15:49:15	100.627%	93.710	94.920	94.130	92.170	92.200	99.402%	99.825%
x		100.224%	93.442%	95.296%	94.457%	93.705%	93.316%	99.171%	99.453%
σ		0.562%	n/a	n/a	n/a	n/a	n/a	0.779%	0.423%
%RSD		0.561	1.815	0.517	0.876	1.757	1.220	0.786	0.426

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:47:49	95.400	95.810	97.660	97.770	97.970	94.766%
2	15:48:32	96.350	96.330	98.360	97.810	98.180	96.041%
3	15:49:15	96.860	96.830	99.340	98.840	98.900	95.421%
x		96.204%	96.325%	98.449%	98.136%	98.350%	95.409%
σ		n/a	n/a	n/a	n/a	n/a	0.638%
%RSD		0.771	0.531	0.857	0.618	0.495	0.668

CCB2 9/6/2012 3:55:04 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:55:47	102.927%	0.030	-0.660	1.235	0.000	9.828	3.702	4.130
2	15:56:30	102.388%	0.003	0.248	0.671	0.000	21.740	13.080	15.690
3	15:57:13	103.934%	0.002	0.302	-0.111	0.000	28.650	16.470	19.460
x		103.083%	0.012	-0.037	0.599	0.000	20.070	11.080	13.090
σ		0.785%	0.016	0.541	0.676	0.000	9.520	6.615	7.988
%RSD		0.762	140.300	1460.000	112.900	0.000	47.430	59.680	61.000

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:55:47	1.282	1.323	0.000	47.170	-0.220	15.230	101.642%	0.213
2	15:56:30	5.119	5.643	0.000	59.030	46.230	30.000	103.110%	0.516
3	15:57:13	7.728	4.451	0.000	64.910	45.800	38.920	103.807%	0.369
x		4.709	3.806	0.000	57.040	30.600	28.050	102.853%	0.366
σ		3.243	2.231	0.000	9.039	26.690	11.960	1.105%	0.152
%RSD		68.860	58.630	0.000	15.850	87.230	42.640	1.074	41.450

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:55:47	-0.031	0.104	0.029	-1.499	35.950	-0.009	-0.005	1.207
2	15:56:30	0.009	0.096	0.212	6.637	45.420	-0.006	-0.011	1.292
3	15:57:13	-0.299	0.092	0.336	15.400	50.390	0.041	-0.097	1.265
x		-0.107	0.097	0.192	6.846	43.920	0.009	-0.037	1.255
σ		0.168	0.006	0.155	8.451	7.338	0.028	0.052	0.044
%RSD		156.000	6.343	80.330	123.400	16.710	316.500	138.000	3.497

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:55:47	1.042	-0.439	-0.083	0.147	-2.031	-0.792	0.000	0.048
2	15:56:30	1.039	0.427	0.296	-0.155	-2.732	-2.426	0.000	0.162
3	15:57:13	1.247	0.169	0.663	0.130	-4.033	-0.427	0.000	0.256
x		1.109	0.052	0.292	0.041	-2.932	-1.215	0.000	0.155
σ		0.119	0.445	0.373	0.169	1.016	1.064	0.000	0.104
%RSD		10.750	847.800	127.900	414.100	34.650	87.600	0.000	66.880

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:55:47	103.736%	0.541	0.515	106.088%	-0.005	0.008	-0.010	-0.009
2	15:56:30	105.972%	0.702	0.584	109.574%	0.020	0.016	-0.007	-0.008
3	15:57:13	106.559%	0.446	0.441	110.279%	0.005	0.022	0.019	0.030
x		105.422%	0.563	0.513	108.647%	0.007	0.015	0.001	0.005
σ		1.490%	0.129	0.072	2.244%	0.013	0.007	0.016	0.022
%RSD		1.413	22.980	13.980	2.066	191.300	46.270	1948.000	477.200

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:55:47	105.563%	0.088	0.040	0.027	0.057	0.027	102.060%	102.456%
2	15:56:30	109.964%	0.059	0.038	0.061	0.110	0.179	105.974%	105.312%
3	15:57:13	110.741%	0.099	0.089	0.061	0.244	0.197	106.241%	105.821%
x		108.756%	0.082	0.056	0.050	0.137	0.134	104.758%	104.530%
σ		2.793%	0.021	0.029	0.020	0.096	0.093	2.341%	1.814%
%RSD		2.568	25.350	51.990	39.270	70.490	69.380	2.234	1.735

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:55:47	-0.008	-0.012	0.649	0.696	0.671	110.947%
2	15:56:30	0.013	-0.006	0.858	0.843	0.861	115.014%
3	15:57:13	0.010	0.007	1.013	0.987	0.948	116.014%
x		0.005	-0.004	0.840	0.842	0.827	113.992%
σ		0.012	0.010	0.183	0.145	0.142	2.684%
%RSD		236.700	242.800	21.780	17.250	17.160	2.355

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:00:07	90.077%	5.322	258.100	280.500	0.000	76990.000	81060.000	84410.000
2	16:00:51	89.863%	5.043	261.900	283.000	0.000	77320.000	78670.000	83910.000
3	16:01:34	90.172%	5.104	260.700	285.500	0.000	77380.000	78530.000	84590.000
x		90.037%	5.156	260.200	283.000	0.000	77230.000	79420.000	84300.000
σ		0.158%	0.147	1.934	2.460	0.000	213.600	1422.000	353.800
%RSD		0.176	2.849	0.743	0.869	0.000	0.277	1.791	0.420

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:00:07	87600.000	7157.000	0.000	26800.000	166700.000	163700.000	89.442%	5219.000
2	16:00:51	88550.000	7272.000	0.000	27580.000	169900.000	163900.000	90.270%	5223.000
3	16:01:34	89630.000	7335.000	0.000	28000.000	171200.000	164300.000	90.886%	5187.000
x		88590.000	7255.000	0.000	27460.000	169300.000	164000.000	90.200%	5210.000
σ		1013.000	90.400	0.000	609.000	2308.000	307.100	0.725%	19.570
%RSD		1.143	1.246	0.000	2.218	1.363	0.187	0.803	0.376

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:00:07	475.500	1469.000	1747.000	272200.000	269200.000	98.660	1138.000	3874.000
2	16:00:51	470.900	1464.000	1759.000	273300.000	270400.000	98.470	1143.000	3908.000
3	16:01:34	474.600	1473.000	1764.000	275100.000	273100.000	100.600	1146.000	3925.000
x		473.600	1469.000	1757.000	273500.000	270900.000	99.260	1143.000	3902.000
σ		2.417	4.166	8.740	1422.000	2000.000	1.202	4.035	25.610
%RSD		0.510	0.284	0.498	0.520	0.738	1.211	0.353	0.656

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:00:07	3941.000	10580.000	10700.000	130.900	22.060	21.200	0.000	794.700
2	16:00:51	3985.000	10730.000	10860.000	130.100	15.780	19.810	0.000	790.400
3	16:01:34	3989.000	10820.000	10910.000	131.800	15.720	23.130	0.000	788.400
x		3972.000	10710.000	10820.000	130.900	17.850	21.380	0.000	791.200
σ		26.670	122.800	108.900	0.879	3.645	1.669	0.000	3.260
%RSD		0.672	1.147	1.007	0.671	20.420	7.807	0.000	0.412

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:00:07	0.000	73.800	73.610	85.488%	76.310	77.070	99.500	96.670
2	16:00:51	0.000	73.430	73.730	88.778%	76.270	76.810	99.000	98.040
3	16:01:34	0.000	72.870	74.640	90.481%	76.480	77.030	100.900	98.830
x		0.000	73.370	73.990	88.249%	76.350	76.970	99.790	97.850
σ		0.000	0.467	0.562	2.538%	0.115	0.138	0.973	1.095
%RSD		0.000	0.636	0.760	2.876	0.150	0.179	0.975	1.119

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:00:07	86.839%	386.800	24.110	23.810	2812.000	2789.000	93.816%	95.270%
2	16:00:51	90.898%	383.300	24.060	23.310	2789.000	2764.000	97.904%	99.399%
3	16:01:34	90.967%	389.700	24.390	24.020	2819.000	2777.000	99.806%	101.979%
x		89.568%	386.600	24.190	23.710	2807.000	2777.000	97.175%	98.883%
σ		2.364%	3.209	0.176	0.364	15.660	12.530	3.061%	3.384%
%RSD		2.639	0.830	0.730	1.537	0.558	0.451	3.150	3.422

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:00:07	2.768	2.790	7711.000	7719.000	7679.000	88.310%
2	16:00:51	2.613	2.686	7639.000	7639.000	7624.000	92.277%
3	16:01:34	2.850	2.708	7663.000	7661.000	7641.000	93.706%
x		2.744	2.728	7671.000	7673.000	7648.000	91.431%
σ		0.120	0.055	36.740	41.370	28.570	2.796%
%RSD		4.388	2.006	0.479	0.539	0.374	3.058

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:04:26	92.853%	5.325	240.100	258.700	0.000	74560.000	80740.000	84430.000
2	16:05:09	94.957%	5.028	243.500	259.200	0.000	73290.000	78310.000	83390.000
3	16:05:52	91.609%	5.610	235.700	276.300	0.000	75830.000	80350.000	86060.000
x		93.140%	5.321	239.800	264.700	0.000	74560.000	79800.000	84630.000
σ		1.693%	0.291	3.891	10.020	0.000	1273.000	1302.000	1344.000
%RSD		1.817	5.465	1.623	3.784	0.000	1.708	1.631	1.588

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:04:26	91800.000	7179.000	0.000	26300.000	165000.000	160800.000	93.396%	4968.000
2	16:05:09	91170.000	7455.000	0.000	26700.000	165800.000	160200.000	94.599%	4906.000
3	16:05:52	94150.000	7681.000	0.000	27420.000	169800.000	163600.000	93.961%	4905.000
x		92370.000	7438.000	0.000	26810.000	166900.000	161500.000	93.985%	4926.000
σ		1573.000	251.600	0.000	566.900	2600.000	1845.000	0.602%	36.100
%RSD		1.703	3.382	0.000	2.115	1.558	1.142	0.640	0.733

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:04:26	419.600	1689.000	1674.000	234500.000	232900.000	92.010	1336.000	3905.000
2	16:05:09	410.200	1673.000	1679.000	235200.000	233800.000	93.230	1328.000	3941.000
3	16:05:52	411.600	1695.000	1695.000	238400.000	236200.000	93.060	1346.000	3989.000
x		413.800	1686.000	1682.000	236000.000	234300.000	92.770	1336.000	3945.000
σ		5.084	11.440	10.830	2063.000	1679.000	0.662	9.086	42.100
%RSD		1.229	0.679	0.643	0.874	0.717	0.714	0.680	1.067

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:04:26	3970.000	9575.000	9687.000	133.700	10.780	15.640	0.000	801.000
2	16:05:09	3990.000	9685.000	9755.000	135.000	10.230	17.090	0.000	793.000
3	16:05:52	4024.000	9757.000	9836.000	137.000	8.767	20.660	0.000	793.000
x		3995.000	9673.000	9760.000	135.200	9.924	17.800	0.000	795.700
σ		27.470	91.380	74.800	1.661	1.039	2.586	0.000	4.605
%RSD		0.688	0.945	0.766	1.228	10.470	14.530	0.000	0.579

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:04:26	0.000	68.330	69.690	90.985%	84.940	84.820	86.040	84.590
2	16:05:09	0.000	69.370	69.680	93.928%	84.040	84.970	84.170	86.050
3	16:05:52	0.000	68.840	68.880	94.785%	85.690	86.380	83.960	83.770
x		0.000	68.850	69.410	93.233%	84.890	85.390	84.720	84.800
σ		0.000	0.519	0.465	1.993%	0.825	0.864	1.144	1.152
%RSD		0.000	0.754	0.670	2.138	0.972	1.011	1.351	1.359

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:04:26	91.749%	402.900	26.470	25.850	3052.000	3015.000	100.996%	101.470%
2	16:05:09	95.044%	405.200	26.910	25.660	3060.000	3024.000	103.605%	105.450%
3	16:05:52	95.466%	410.100	26.880	26.550	3082.000	3052.000	103.492%	105.408%
x		94.086%	406.100	26.750	26.020	3065.000	3031.000	102.698%	104.109%
σ		2.035%	3.644	0.244	0.469	15.880	19.370	1.475%	2.286%
%RSD		2.163	0.897	0.911	1.802	0.518	0.639	1.436	2.196

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:04:26	2.535	2.798	7859.000	7876.000	7830.000	94.530%
2	16:05:09	2.762	2.727	7788.000	7807.000	7769.000	98.770%
3	16:05:52	2.617	2.779	7826.000	7856.000	7798.000	99.688%
x		2.638	2.768	7824.000	7846.000	7799.000	97.663%
σ		0.115	0.037	35.500	35.370	30.810	2.751%
%RSD		4.357	1.326	0.454	0.451	0.395	2.817

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:08:43	94.687%	5.941	284.900	306.600	0.000	78850.000	83880.000	88450.000
2	16:09:26	92.182%	4.894	296.200	317.000	0.000	80150.000	82860.000	88300.000
3	16:10:09	92.548%	5.249	292.800	319.800	0.000	80100.000	82770.000	88880.000
x		93.139%	5.361	291.300	314.400	0.000	79700.000	83170.000	88540.000
σ		1.353%	0.532	5.809	6.977	0.000	735.400	616.300	300.600
%RSD		1.453	9.933	1.994	2.219	0.000	0.923	0.741	0.339

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:08:43	91400.000	8094.000	0.000	20880.000	170700.000	166900.000	93.574%	4061.000
2	16:09:26	92890.000	8246.000	0.000	21540.000	174900.000	166700.000	93.791%	4017.000
3	16:10:09	93060.000	8142.000	0.000	21880.000	177500.000	168600.000	93.372%	4073.000
x		92450.000	8161.000	0.000	21430.000	174400.000	167400.000	93.579%	4050.000
σ		909.900	77.580	0.000	508.800	3433.000	1059.000	0.210%	29.190
%RSD		0.984	0.951	0.000	2.374	1.969	0.633	0.224	0.721

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:08:43	477.800	2135.000	1563.000	265600.000	263100.000	94.440	1814.000	5046.000
2	16:09:26	452.900	2075.000	1575.000	266800.000	265500.000	95.540	1835.000	5049.000
3	16:10:09	472.300	2132.000	1583.000	268800.000	266700.000	95.450	1851.000	5130.000
x		467.700	2114.000	1574.000	267100.000	265100.000	95.140	1833.000	5075.000
σ		13.120	33.980	9.744	1619.000	1847.000	0.611	18.830	47.760
%RSD		2.805	1.607	0.619	0.606	0.697	0.642	1.027	0.941

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:08:43	5151.000	11580.000	11680.000	148.700	14.700	18.800	0.000	832.000
2	16:09:26	5201.000	11750.000	11830.000	147.000	12.120	19.620	0.000	828.100
3	16:10:09	5227.000	11820.000	11950.000	145.600	11.060	20.550	0.000	824.700
x		5193.000	11720.000	11820.000	147.100	12.630	19.650	0.000	828.300
σ		38.660	125.900	137.300	1.533	1.876	0.875	0.000	3.621
%RSD		0.744	1.075	1.162	1.042	14.850	4.451	0.000	0.437

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:08:43	0.000	90.940	91.930	90.793%	103.600	104.100	111.500	109.300
2	16:09:26	0.000	89.770	91.200	93.756%	103.200	103.000	110.900	109.600
3	16:10:09	0.000	90.320	92.770	94.599%	104.000	103.500	112.000	108.600
x		0.000	90.340	91.960	93.049%	103.600	103.500	111.500	109.100
σ		0.000	0.584	0.787	1.999%	0.418	0.554	0.549	0.519
%RSD		0.000	0.646	0.856	2.148	0.403	0.535	0.492	0.475

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:08:43	92.168%	519.900	28.800	28.440	3481.000	3420.000	101.049%	101.180%
2	16:09:26	95.367%	517.400	29.060	28.500	3425.000	3399.000	103.521%	105.026%
3	16:10:09	95.745%	520.600	28.850	29.130	3466.000	3418.000	103.278%	105.476%
x		94.427%	519.300	28.900	28.690	3458.000	3412.000	102.616%	103.894%
σ		1.965%	1.668	0.136	0.383	29.170	11.310	1.362%	2.361%
%RSD		2.081	0.321	0.471	1.335	0.844	0.332	1.327	2.273

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:08:43	2.722	2.808	10560.000	10580.000	10540.000	95.576%
2	16:09:26	2.689	2.830	10440.000	10450.000	10410.000	99.746%
3	16:10:09	2.778	2.835	10520.000	10550.000	10490.000	100.351%
x		2.730	2.824	10510.000	10530.000	10480.000	98.558%
σ		0.045	0.014	63.640	73.000	65.640	2.600%
%RSD		1.653	0.504	0.606	0.694	0.627	2.638

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:13:00	92.218%	5.696	292.400	308.600	0.000	79840.000	84070.000	87420.000
2	16:13:43	89.631%	5.263	290.000	317.800	0.000	80440.000	82430.000	88360.000
3	16:14:27	88.606%	4.964	300.100	320.800	0.000	80930.000	81660.000	88590.000
x		90.152%	5.308	294.200	315.700	0.000	80400.000	82720.000	88120.000
σ		1.861%	0.368	5.252	6.359	0.000	543.800	1230.000	622.300
%RSD		2.065	6.931	1.786	2.014	0.000	0.676	1.486	0.706

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:13:00	88570.000	8721.000	0.000	20940.000	167100.000	163600.000	91.398%	4031.000
2	16:13:43	91000.000	9041.000	0.000	21830.000	171600.000	163900.000	90.328%	3991.000
3	16:14:27	91240.000	9315.000	0.000	21950.000	172200.000	164000.000	90.341%	4031.000
x		90270.000	9026.000	0.000	21570.000	170300.000	163800.000	90.689%	4018.000
σ		1476.000	297.600	0.000	552.900	2821.000	203.100	0.614%	22.950
%RSD		1.635	3.298	0.000	2.563	1.657	0.124	0.677	0.571

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:13:00	470.100	2181.000	1563.000	263500.000	260300.000	91.520	1639.000	4859.000
2	16:13:43	467.900	2185.000	1575.000	266000.000	265100.000	93.010	1673.000	5033.000
3	16:14:27	473.800	2194.000	1578.000	266800.000	264700.000	93.390	1675.000	5127.000
x		470.600	2186.000	1572.000	265400.000	263400.000	92.640	1662.000	5006.000
σ		2.993	6.601	7.670	1737.000	2697.000	0.988	20.190	136.200
%RSD		0.636	0.302	0.488	0.654	1.024	1.067	1.215	2.721

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:13:00	5117.000	11770.000	11870.000	142.200	18.570	32.440	0.000	819.900
2	16:13:43	5195.000	11960.000	12090.000	142.400	17.840	29.140	0.000	813.100
3	16:14:27	5212.000	12000.000	12080.000	142.100	14.520	28.570	0.000	817.000
x		5175.000	11910.000	12010.000	142.200	16.980	30.050	0.000	816.600
σ		50.740	126.800	122.800	0.172	2.159	2.090	0.000	3.419
%RSD		0.980	1.064	1.022	0.121	12.710	6.954	0.000	0.419

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:13:00	0.000	93.880	96.930	88.909%	102.100	102.000	115.200	109.100
2	16:13:43	0.000	94.190	96.870	91.363%	101.500	102.700	114.800	109.900
3	16:14:27	0.000	94.580	96.710	91.438%	100.900	101.100	112.500	112.200
x		0.000	94.220	96.840	90.570%	101.500	101.900	114.200	110.400
σ		0.000	0.348	0.112	1.439%	0.604	0.782	1.443	1.605
%RSD		0.000	0.369	0.116	1.589	0.595	0.767	1.263	1.454

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:13:00	90.379%	503.200	34.110	33.000	3549.000	3544.000	97.876%	98.831%
2	16:13:43	92.863%	500.200	33.780	33.220	3534.000	3503.000	100.566%	101.603%
3	16:14:27	92.946%	504.400	33.420	33.470	3574.000	3512.000	100.632%	102.111%
x		92.063%	502.600	33.770	33.230	3552.000	3520.000	99.691%	100.849%
σ		1.459%	2.144	0.346	0.236	19.990	21.410	1.573%	1.765%
%RSD		1.584	0.427	1.024	0.710	0.563	0.608	1.578	1.751

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:13:00	2.670	2.785	11070.000	11070.000	11050.000	92.157%
2	16:13:43	2.827	2.861	10910.000	10970.000	10930.000	95.645%
3	16:14:27	2.784	2.774	10970.000	11000.000	10970.000	96.041%
x		2.761	2.807	10980.000	11010.000	10980.000	94.614%
σ		0.081	0.048	78.610	51.450	62.670	2.137%
%RSD		2.935	1.694	0.716	0.467	0.571	2.259

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:17:18	94.037%	4.493	256.400	277.300	0.000	82620.000	74770.000	77960.000
2	16:18:01	93.369%	4.393	267.500	280.900	0.000	81870.000	72780.000	77640.000
3	16:18:44	93.548%	4.466	264.000	281.900	0.000	82180.000	72770.000	77730.000
x		93.651%	4.450	262.600	280.000	0.000	82230.000	73440.000	77780.000
σ		0.346%	0.052	5.708	2.459	0.000	378.200	1154.000	164.700
%RSD		0.369	1.158	2.173	0.878	0.000	0.460	1.571	0.212

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:17:18	79710.000	8324.000	0.000	19440.000	95570.000	93060.000	95.118%	2723.000
2	16:18:01	79450.000	8452.000	0.000	19780.000	96030.000	92150.000	97.166%	2654.000
3	16:18:44	79550.000	8350.000	0.000	20090.000	98370.000	92720.000	96.029%	2659.000
x		79570.000	8375.000	0.000	19770.000	96660.000	92640.000	96.104%	2679.000
σ		128.300	67.520	0.000	325.500	1504.000	461.000	1.026%	38.400
%RSD		0.161	0.806	0.000	1.647	1.556	0.498	1.068	1.434

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:17:18	298.900	818.100	1925.000	326300.000	321400.000	78.110	534.600	2578.000
2	16:18:01	294.400	811.200	1950.000	323800.000	320000.000	77.780	535.800	2579.000
3	16:18:44	293.200	808.300	1940.000	327400.000	323900.000	79.150	543.100	2605.000
x		295.500	812.500	1938.000	325800.000	321800.000	78.340	537.800	2587.000
σ		2.983	5.059	12.680	1832.000	1944.000	0.712	4.568	15.200
%RSD		1.010	0.623	0.654	0.562	0.604	0.909	0.849	0.587

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:17:18	2620.000	6238.000	6283.000	104.600	8.640	21.910	0.000	516.000
2	16:18:01	2618.000	6272.000	6322.000	102.900	7.243	25.960	0.000	509.400
3	16:18:44	2643.000	6352.000	6376.000	103.300	8.231	20.370	0.000	512.600
x		2627.000	6287.000	6327.000	103.600	8.038	22.750	0.000	512.700
σ		13.590	58.360	46.570	0.872	0.718	2.890	0.000	3.303
%RSD		0.517	0.928	0.736	0.841	8.938	12.710	0.000	0.644

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:17:18	0.000	73.320	72.730	93.169%	48.760	49.530	39.310	39.100
2	16:18:01	0.000	73.710	73.440	95.839%	49.040	50.000	38.870	38.800
3	16:18:44	0.000	73.210	74.100	96.397%	49.020	49.470	39.820	39.080
x		0.000	73.410	73.430	95.135%	48.940	49.670	39.330	38.990
σ		0.000	0.261	0.683	1.725%	0.155	0.291	0.471	0.166
%RSD		0.000	0.355	0.931	1.814	0.316	0.587	1.198	0.426

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:17:18	93.414%	215.200	28.930	28.510	2003.000	1980.000	101.551%	101.494%
2	16:18:01	95.609%	215.300	29.100	28.950	2015.000	1987.000	103.753%	105.075%
3	16:18:44	97.920%	215.700	28.620	28.070	1998.000	1976.000	103.500%	104.822%
x		95.648%	215.400	28.880	28.510	2005.000	1981.000	102.935%	103.797%
σ		2.253%	0.252	0.240	0.441	8.633	5.625	1.205%	1.998%
%RSD		2.356	0.117	0.830	1.547	0.430	0.284	1.171	1.925

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:17:18	2.080	2.074	4048.000	2536.000	3716.000	93.129%
2	16:18:01	2.002	1.932	3999.000	2211.000	3605.000	96.919%
3	16:18:44	1.981	2.053	4029.000	1896.000	3555.000	97.034%
x		2.021	2.020	4025.000	2214.000	3626.000	95.694%
σ		0.052	0.077	24.610	319.800	82.500	2.222%
%RSD		2.589	3.811	0.611	14.440	2.276	2.322

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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	16:21:36	89.440%	4.376	263.400	286.000	0.000	74410.000	121900.000	127100.000
2	16:22:19	91.152%	3.839	258.700	289.700	0.000	73610.000	117300.000	124600.000
3	16:23:02	91.187%	3.743	266.500	287.800	0.000	73830.000	117400.000	125400.000
x		90.593%	3.986	262.800	287.800	0.000	73950.000	118900.000	125700.000
σ		0.999%	0.341	3.924	1.862	0.000	412.600	2650.000	1299.000
%RSD		1.102	8.562	1.493	0.647	0.000	0.558	2.229	1.033

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:21:36	67170.000	9888.000	0.000	15850.000	170100.000	167700.000	90.134%	2632.000
2	16:22:19	66510.000	9860.000	0.000	16140.000	170200.000	166600.000	90.909%	2594.000
3	16:23:02	66980.000	10140.000	0.000	16290.000	174400.000	167500.000	91.151%	2588.000
x		66890.000	9963.000	0.000	16090.000	171600.000	167300.000	90.731%	2605.000
σ		339.100	154.900	0.000	224.200	2474.000	598.700	0.531%	23.950
%RSD		0.507	1.555	0.000	1.393	1.442	0.358	0.585	0.920

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:21:36	273.300	995.700	3580.000	335100.000	331000.000	71.270	635.000	2458.000
2	16:22:19	270.700	989.700	3594.000	335900.000	332200.000	73.240	633.700	2488.000
3	16:23:02	272.200	992.800	3602.000	337800.000	334100.000	73.440	641.000	2499.000
x		272.100	992.700	3592.000	336300.000	332400.000	72.650	636.600	2482.000
σ		1.337	2.971	11.230	1357.000	1538.000	1.199	3.844	21.360
%RSD		0.491	0.299	0.313	0.404	0.463	1.650	0.604	0.861

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:21:36	2502.000	9093.000	9186.000	93.030	7.515	19.890	0.000	547.700
2	16:22:19	2509.000	9211.000	9290.000	90.310	6.597	16.880	0.000	545.400
3	16:23:02	2535.000	9207.000	9302.000	89.410	4.290	17.730	0.000	544.100
x		2515.000	9171.000	9259.000	90.920	6.134	18.170	0.000	545.700
σ		17.190	66.960	63.660	1.887	1.662	1.548	0.000	1.844
%RSD		0.683	0.730	0.688	2.075	27.090	8.523	0.000	0.338

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:21:36	0.000	67.880	68.220	88.132%	43.560	44.240	40.960	40.920
2	16:22:19	0.000	67.320	68.230	90.943%	43.620	44.160	42.850	40.250
3	16:23:02	0.000	67.790	68.440	91.611%	44.140	43.790	42.780	41.660
x		0.000	67.660	68.300	90.228%	43.770	44.060	42.200	40.950
σ		0.000	0.299	0.123	1.846%	0.317	0.239	1.071	0.705
%RSD		0.000	0.442	0.179	2.046	0.724	0.542	2.539	1.722

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:21:36	88.749%	202.700	31.450	30.660	2260.000	2237.000	95.587%	96.365%
2	16:22:19	91.904%	200.800	30.840	31.260	2243.000	2217.000	98.571%	100.028%
3	16:23:02	92.895%	202.600	31.180	30.810	2248.000	2232.000	99.609%	101.347%
x		91.182%	202.000	31.150	30.910	2250.000	2229.000	97.923%	99.247%
σ		2.165%	1.106	0.307	0.314	8.787	10.520	2.088%	2.581%
%RSD		2.374	0.547	0.986	1.014	0.391	0.472	2.132	2.601

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:21:36	1.680	1.631	4127.000	3707.000	4029.000	88.409%
2	16:22:19	1.528	1.609	4118.000	2510.000	3767.000	91.847%
3	16:23:02	1.560	1.618	4127.000	2603.000	3783.000	93.254%
x		1.589	1.619	4124.000	2940.000	3860.000	91.170%
σ		0.080	0.011	5.354	666.000	146.800	2.492%
%RSD		5.020	0.701	0.130	22.650	3.803	2.734

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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	16:25:53	93.503%	3.595	285.800	304.800	0.000	58700.000	109600.000	114400.000
2	16:26:37	92.753%	3.790	300.100	305.000	0.000	58830.000	107100.000	114000.000
3	16:27:20	92.737%	3.899	293.000	317.500	0.000	59210.000	108000.000	113900.000
x		92.997%	3.761	293.000	309.100	0.000	58910.000	108200.000	114100.000
σ		0.438%	0.154	7.138	7.235	0.000	263.200	1256.000	271.400
%RSD		0.471	4.095	2.436	2.341	0.000	0.447	1.161	0.238

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:25:53	46470.000	8642.000	0.000	9216.000	190000.000	185500.000	90.852%	1729.000
2	16:26:37	47080.000	8780.000	0.000	9500.000	194100.000	188100.000	91.574%	1727.000
3	16:27:20	47040.000	8611.000	0.000	9547.000	194900.000	187500.000	91.728%	1724.000
x		46860.000	8678.000	0.000	9421.000	193000.000	187000.000	91.385%	1727.000
σ		338.100	90.010	0.000	178.800	2614.000	1345.000	0.468%	2.684
%RSD		0.722	1.037	0.000	1.898	1.354	0.719	0.512	0.155

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:25:53	215.200	1348.000	48660.000	322700.000	318000.000	53.860	889.000	2349.000
2	16:26:37	216.900	1345.000	48940.000	325400.000	321700.000	54.910	894.100	2386.000
3	16:27:20	211.400	1352.000	49040.000	325200.000	321200.000	54.490	901.600	2380.000
x		214.500	1349.000	48880.000	324400.000	320300.000	54.420	894.900	2372.000
σ		2.823	3.488	199.000	1543.000	1971.000	0.532	6.333	19.930
%RSD		1.316	0.259	0.407	0.475	0.615	0.977	0.708	0.840

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:25:53	2387.000	15760.000	15950.000	74.610	3.479	15.150	0.000	680.500
2	16:26:37	2413.000	16030.000	16210.000	72.490	3.061	13.570	0.000	677.100
3	16:27:20	2420.000	16050.000	16190.000	77.560	3.009	12.430	0.000	672.400
x		2407.000	15950.000	16120.000	74.890	3.183	13.720	0.000	676.700
σ		17.540	160.900	145.900	2.547	0.257	1.364	0.000	4.110
%RSD		0.729	1.009	0.905	3.401	8.086	9.945	0.000	0.608

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:25:53	0.000	45.940	47.260	88.796%	37.570	37.800	48.170	49.920
2	16:26:37	0.000	46.140	46.570	91.806%	38.520	38.170	50.310	48.450
3	16:27:20	0.000	46.320	47.530	92.876%	37.500	38.620	48.460	47.590
x		0.000	46.130	47.120	91.159%	37.860	38.200	48.980	48.650
σ		0.000	0.189	0.494	2.116%	0.573	0.413	1.160	1.179
%RSD		0.000	0.410	1.048	2.321	1.514	1.081	2.368	2.423

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:25:53	89.494%	229.200	22.250	21.970	1535.000	1529.000	95.452%	95.859%
2	16:26:37	92.240%	228.600	21.810	21.450	1543.000	1538.000	97.295%	99.747%
3	16:27:20	93.186%	229.000	22.130	21.510	1552.000	1535.000	98.113%	99.639%
x		91.640%	228.900	22.060	21.640	1543.000	1534.000	96.953%	98.415%
σ		1.918%	0.285	0.226	0.287	8.536	4.610	1.363%	2.214%
%RSD		2.093	0.125	1.024	1.327	0.553	0.301	1.406	2.250

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:25:53	1.064	1.229	3756.000	3748.000	3774.000	89.511%
2	16:26:37	1.246	1.178	3757.000	3738.000	3756.000	93.144%
3	16:27:20	1.219	1.216	3765.000	3481.000	3698.000	94.285%
x		1.176	1.208	3759.000	3656.000	3743.000	92.313%
σ		0.098	0.026	5.221	151.400	39.860	2.493%
%RSD		8.350	2.192	0.139	4.142	1.065	2.701

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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	16:30:12	92.557%	3.186	328.900	344.100	0.000	65480.000	100800.000	105200.000
2	16:30:55	89.288%	3.442	342.300	357.200	0.000	66000.000	98680.000	104800.000
3	16:31:38	88.600%	3.615	337.800	365.900	0.000	66320.000	99980.000	105500.000
x		90.148%	3.415	336.300	355.700	0.000	65930.000	99840.000	105200.000
σ		2.114%	0.216	6.778	10.960	0.000	423.200	1088.000	363.200
%RSD		2.346	6.317	2.015	3.081	0.000	0.642	1.090	0.345

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:30:12	49900.000	9270.000	0.000	10670.000	170300.000	168200.000	88.369%	2033.000
2	16:30:55	50180.000	9494.000	0.000	10940.000	173800.000	168800.000	88.071%	2017.000
3	16:31:38	50650.000	9703.000	0.000	11120.000	175200.000	170100.000	87.480%	2005.000
x		50240.000	9489.000	0.000	10910.000	173100.000	169000.000	87.973%	2018.000
σ		377.400	216.300	0.000	226.300	2541.000	944.800	0.452%	13.930
%RSD		0.751	2.279	0.000	2.074	1.468	0.559	0.514	0.690

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:30:12	345.200	1874.000	13660.000	445900.000	442000.000	70.670	1469.000	3887.000
2	16:30:55	343.900	1865.000	13690.000	446500.000	443000.000	71.120	1473.000	3928.000
3	16:31:38	341.000	1884.000	13760.000	448400.000	444900.000	70.660	1488.000	3947.000
x		343.400	1874.000	13700.000	446900.000	443300.000	70.820	1477.000	3920.000
σ		2.186	9.751	51.340	1287.000	1452.000	0.264	9.883	30.610
%RSD		0.637	0.520	0.375	0.288	0.327	0.372	0.669	0.781

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:30:12	3964.000	11760.000	11930.000	123.100	12.500	18.710	0.000	1205.000
2	16:30:55	4011.000	11930.000	11980.000	121.800	9.748	19.860	0.000	1197.000
3	16:31:38	4007.000	11920.000	12020.000	122.000	12.080	18.270	0.000	1203.000
x		3994.000	11870.000	11980.000	122.300	11.440	18.950	0.000	1202.000
σ		25.770	91.480	47.610	0.685	1.482	0.820	0.000	3.772
%RSD		0.645	0.771	0.398	0.560	12.950	4.327	0.000	0.314

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:30:12	0.000	69.650	71.010	86.387%	83.650	83.330	100.800	101.700
2	16:30:55	0.000	71.060	72.310	87.907%	83.420	83.520	100.100	98.860
3	16:31:38	0.000	72.200	73.550	87.915%	83.570	83.940	100.400	98.340
x		0.000	70.970	72.290	87.403%	83.550	83.600	100.400	99.620
σ		0.000	1.276	1.271	0.880%	0.119	0.309	0.310	1.795
%RSD		0.000	1.797	1.758	1.007	0.143	0.369	0.308	1.802

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:30:12	86.821%	400.200	40.690	39.970	2859.000	2831.000	91.441%	93.279%
2	16:30:55	89.622%	395.100	40.520	39.680	2830.000	2808.000	93.568%	94.713%
3	16:31:38	88.820%	402.800	40.730	39.950	2848.000	2817.000	94.058%	94.421%
x		88.421%	399.400	40.650	39.870	2845.000	2819.000	93.022%	94.138%
σ		1.442%	3.908	0.114	0.160	14.400	11.690	1.391%	0.758%
%RSD		1.631	0.979	0.281	0.402	0.506	0.415	1.496	0.805

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:30:12	1.843	1.971	7660.000	7651.000	7632.000	87.146%
2	16:30:55	1.852	1.898	7624.000	7619.000	7605.000	89.008%
3	16:31:38	1.768	1.853	7626.000	7624.000	7592.000	89.670%
x		1.821	1.907	7637.000	7631.000	7610.000	88.608%
σ		0.046	0.059	20.240	17.180	20.350	1.309%
%RSD		2.522	3.116	0.265	0.225	0.267	1.477

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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	16:34:31	91.267%	3.164	429.800	451.400	0.000	68460.000	132800.000	137900.000
2	16:35:14	89.892%	3.544	427.500	457.000	0.000	69350.000	130800.000	138200.000
3	16:35:57	90.415%	3.463	434.300	472.000	0.000	68980.000	129900.000	138500.000
x		90.525%	3.391	430.500	460.100	0.000	68930.000	131200.000	138200.000
σ		0.694%	0.200	3.445	10.660	0.000	448.200	1509.000	315.100
%RSD		0.766	5.901	0.800	2.316	0.000	0.650	1.150	0.228

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:31	58130.000	11330.000	0.000	10850.000	240500.000	238200.000	88.912%	2249.000
2	16:35:14	58770.000	12110.000	0.000	11130.000	247400.000	239600.000	89.360%	2255.000
3	16:35:57	58870.000	12200.000	0.000	11320.000	250100.000	240700.000	88.708%	2237.000
x		58590.000	11880.000	0.000	11100.000	246000.000	239500.000	88.993%	2247.000
σ		398.100	477.600	0.000	237.600	4980.000	1286.000	0.334%	9.408
%RSD		0.679	4.020	0.000	2.141	2.024	0.537	0.375	0.419

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:31	332.100	2072.000	3050.000	533000.000	528600.000	73.160	1406.000	3533.000
2	16:35:14	337.100	2083.000	3057.000	537200.000	532400.000	74.200	1427.000	3588.000
3	16:35:57	333.800	2092.000	3085.000	541600.000	539200.000	74.720	1450.000	3642.000
x		334.300	2082.000	3064.000	537300.000	533400.000	74.020	1428.000	3588.000
σ		2.531	9.814	18.460	4278.000	5363.000	0.795	21.680	54.790
%RSD		0.757	0.471	0.603	0.796	1.005	1.074	1.518	1.527

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:31	3594.000	9123.000	9239.000	116.900	9.825	20.870	0.000	1211.000
2	16:35:14	3657.000	9300.000	9388.000	118.500	9.823	18.820	0.000	1206.000
3	16:35:57	3684.000	9362.000	9421.000	119.800	9.411	18.030	0.000	1210.000
x		3645.000	9261.000	9349.000	118.400	9.687	19.240	0.000	1209.000
σ		45.870	123.900	96.670	1.456	0.238	1.466	0.000	2.560
%RSD		1.259	1.338	1.034	1.230	2.462	7.619	0.000	0.212

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:31	0.000	78.880	81.010	86.495%	70.730	71.320	95.600	93.620
2	16:35:14	0.000	80.560	80.820	88.966%	69.530	70.450	95.040	94.900
3	16:35:57	0.000	81.510	81.030	89.845%	70.740	71.330	96.500	94.360
x		0.000	80.320	80.950	88.436%	70.330	71.030	95.710	94.300
σ		0.000	1.330	0.117	1.737%	0.694	0.507	0.738	0.644
%RSD		0.000	1.656	0.144	1.964	0.987	0.714	0.771	0.684

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:31	87.429%	349.700	56.200	56.330	2653.000	2625.000	91.679%	93.524%
2	16:35:14	90.714%	347.900	56.350	55.820	2639.000	2616.000	95.398%	97.701%
3	16:35:57	90.560%	352.700	57.520	56.390	2655.000	2618.000	96.454%	98.612%
x		89.568%	350.100	56.690	56.180	2649.000	2620.000	94.510%	96.612%
σ		1.854%	2.406	0.725	0.312	8.813	5.055	2.508%	2.713%
%RSD		2.070	0.687	1.279	0.556	0.333	0.193	2.654	2.808

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:31	1.604	1.713	8491.000	8392.000	8389.000	88.736%
2	16:35:14	1.659	1.720	8458.000	8369.000	8366.000	92.274%
3	16:35:57	1.641	1.709	8489.000	8396.000	8393.000	92.740%
x		1.635	1.714	8480.000	8386.000	8383.000	91.250%
σ		0.028	0.005	18.860	14.240	14.520	2.190%
%RSD		1.733	0.312	0.222	0.170	0.173	2.400

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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	16:38:50	87.770%	2.899	274.600	290.100	0.000	82050.000	95480.000	99150.000
2	16:39:33	86.842%	2.846	259.200	288.800	0.000	81930.000	92500.000	98030.000
3	16:40:15	85.221%	2.780	277.400	294.100	0.000	82450.000	92030.000	98480.000
x		86.611%	2.842	270.400	291.000	0.000	82140.000	93340.000	98560.000
σ		1.290%	0.060	9.790	2.778	0.000	272.200	1870.000	562.900
%RSD		1.489	2.105	3.621	0.955	0.000	0.331	2.004	0.571

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:38:50	45670.000	10550.000	0.000	11530.000	269500.000	266200.000	85.858%	1689.000
2	16:39:33	45440.000	10550.000	0.000	11840.000	274400.000	266500.000	85.908%	1676.000
3	16:40:15	45710.000	10300.000	0.000	11940.000	275100.000	267800.000	85.712%	1671.000
x		45600.000	10460.000	0.000	11770.000	273000.000	266800.000	85.826%	1679.000
σ		146.900	144.400	0.000	210.900	3032.000	851.000	0.102%	9.366
%RSD		0.322	1.380	0.000	1.792	1.111	0.319	0.119	0.558

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:38:50	287.300	1645.000	1553.000	600600.000	595300.000	63.550	1208.000	3576.000
2	16:39:33	282.400	1633.000	1555.000	602700.000	599000.000	64.020	1231.000	3624.000
3	16:40:15	277.100	1624.000	1554.000	602500.000	599400.000	63.930	1225.000	3614.000
x		282.300	1634.000	1554.000	601900.000	597900.000	63.830	1222.000	3604.000
σ		5.111	10.640	1.136	1146.000	2281.000	0.247	11.940	25.310
%RSD		1.811	0.651	0.073	0.190	0.382	0.387	0.977	0.702

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:38:50	3625.000	8500.000	8615.000	94.200	54.330	63.310	0.000	999.200
2	16:39:33	3674.000	8687.000	8755.000	95.030	55.740	63.410	0.000	996.400
3	16:40:15	3683.000	8683.000	8723.000	94.190	51.600	61.920	0.000	990.300
x		3661.000	8624.000	8697.000	94.470	53.890	62.880	0.000	995.300
σ		30.900	107.000	73.220	0.483	2.106	0.836	0.000	4.533
%RSD		0.844	1.240	0.842	0.512	3.907	1.329	0.000	0.456

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:38:50	0.000	77.320	77.540	85.123%	68.590	69.160	99.440	100.100
2	16:39:33	0.000	77.140	77.610	87.125%	67.920	69.000	102.600	101.100
3	16:40:15	0.000	77.570	79.070	87.372%	68.120	69.340	101.300	99.790
x		0.000	77.340	78.070	86.540%	68.210	69.160	101.100	100.300
σ		0.000	0.216	0.862	1.234%	0.346	0.170	1.593	0.702
%RSD		0.000	0.280	1.104	1.425	0.507	0.245	1.575	0.699

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:38:50	86.046%	366.800	86.390	86.160	2848.000	2812.000	90.457%	91.769%
2	16:39:33	88.212%	368.900	86.240	86.790	2855.000	2823.000	92.256%	93.790%
3	16:40:15	89.506%	366.700	86.970	86.310	2827.000	2807.000	92.555%	93.710%
x		87.921%	367.500	86.530	86.420	2843.000	2814.000	91.756%	93.090%
σ		1.749%	1.270	0.386	0.327	14.760	7.859	1.135%	1.144%
%RSD		1.989	0.345	0.446	0.379	0.519	0.279	1.237	1.229

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:38:50	1.350	1.440	6328.000	6346.000	6292.000	85.016%
2	16:39:33	1.250	1.369	6270.000	6271.000	6223.000	88.588%
3	16:40:15	1.413	1.391	6262.000	6250.000	6205.000	89.087%
x		1.338	1.400	6287.000	6289.000	6240.000	87.564%
σ		0.082	0.036	35.790	50.580	46.090	2.220%
%RSD		6.110	2.601	0.569	0.804	0.739	2.535

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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	16:46:03	90.954%	103.400	94.630	99.680	0.000	49480.000	44480.000	46140.000
2	16:46:46	90.849%	100.400	102.100	98.730	0.000	49630.000	44100.000	45800.000
3	16:47:29	90.517%	101.800	98.640	100.500	0.000	49080.000	42790.000	45170.000
x		90.773%	101.882%	98.455%	99.637%	0.000	98.792%	87.585%	91.410%
σ		0.228%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.251	1.476	3.792	0.892	0.000	0.580	2.022	1.074

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:46:03	478.900	5053.000	0.000	53010.000	50670.000	46210.000	93.043%	95.310
2	16:46:46	485.500	5079.000	0.000	54220.000	51660.000	46710.000	92.774%	94.580
3	16:47:29	480.700	5075.000	0.000	54570.000	51830.000	46440.000	92.687%	92.550
x		96.341%	101.380%	0.000	107.865%	102.772%	92.903%	92.835%	94.147%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.186%	n/a
%RSD		0.703	0.278	0.000	1.515	1.211	0.538	0.200	1.517

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:46:03	91.450	93.500	470.900	24990.000	24300.000	98.910	99.260	101.500
2	16:46:46	91.780	94.390	475.800	25090.000	24570.000	100.200	100.500	103.800
3	16:47:29	91.630	93.770	474.700	25180.000	24540.000	99.400	103.300	103.500
x		91.621%	93.888%	94.761%	100.345%	97.877%	99.491%	101.043%	102.961%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.184	0.488	0.545	0.387	0.605	0.639	2.062	1.212

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:46:03	103.700	106.100	103.900	100.900	89.660	98.320	0.000	95.340
2	16:46:46	104.000	106.300	105.300	101.100	87.360	97.420	0.000	95.370
3	16:47:29	105.200	107.500	108.100	100.200	89.770	96.660	0.000	94.910
x		104.279%	106.658%	105.778%	100.727%	88.931%	97.466%	0.000	95.206%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.781	0.715	2.035	0.480	1.530	0.854	0.000	0.270

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:46:03	94.794%	93.520	94.070	94.459%	96.990	96.820	98.200	97.400
2	16:46:46	95.828%	95.440	95.800	97.206%	96.580	96.500	96.760	95.820
3	16:47:29	96.154%	97.450	97.520	97.940%	96.440	96.350	97.900	97.760
x		95.592%	95.469%	95.797%	96.535%	96.668%	96.555%	97.619%	96.993%
σ		0.710%	n/a	n/a	1.835%	n/a	n/a	n/a	n/a
%RSD		0.743	2.063	1.802	1.901	0.293	0.248	0.776	1.065

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:46:03	94.689%	93.740	97.500	94.520	95.170	95.040	95.071%	95.326%
2	16:46:46	98.613%	92.860	95.670	94.070	95.700	93.130	98.379%	98.205%
3	16:47:29	99.147%	94.970	96.530	95.750	95.030	94.810	98.653%	100.037%
x		97.483%	93.858%	96.568%	94.779%	95.302%	94.325%	97.368%	97.856%
σ		2.434%	n/a	n/a	n/a	n/a	n/a	1.994%	2.375%
%RSD		2.497	1.128	0.947	0.917	0.373	1.107	2.048	2.427

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:46:03	96.330	96.780	98.970	98.560	98.630	91.387%
2	16:46:46	97.150	98.160	99.140	99.330	99.090	94.166%
3	16:47:29	97.080	97.910	98.420	98.800	98.660	95.335%
x		96.856%	97.616%	98.841%	98.896%	98.793%	93.629%
σ		n/a	n/a	n/a	n/a	n/a	2.028%
%RSD		0.468	0.756	0.379	0.401	0.263	2.166

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:54:01	97.485%	-0.037	0.694	0.660	0.000	10.440	8.174	7.225
2	16:54:44	98.517%	0.050	0.995	0.158	0.000	17.150	11.860	11.210
3	16:55:26	100.550%	-0.024	0.098	-0.133	0.000	12.180	9.972	9.393
x		98.851%	-0.004	0.596	0.228	0.000	13.260	10.000	9.275
σ		1.559%	0.047	0.457	0.401	0.000	3.483	1.843	1.994
%RSD		1.577	1248.000	76.640	175.900	0.000	26.270	18.430	21.500

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:54:01	1.478	5.981	0.000	52.310	18.040	20.420	96.682%	0.057
2	16:54:44	2.345	8.077	0.000	59.880	20.440	25.400	98.167%	0.102
3	16:55:26	2.167	10.920	0.000	54.640	28.290	20.890	99.979%	0.195
x		1.997	8.326	0.000	55.610	22.250	22.240	98.276%	0.118
σ		0.458	2.479	0.000	3.877	5.362	2.750	1.651%	0.070
%RSD		22.940	29.780	0.000	6.972	24.100	12.370	1.680	59.580

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:54:01	0.269	-0.017	0.268	12.290	52.390	0.016	-0.064	1.467
2	16:54:44	0.198	-0.004	0.409	14.190	61.170	0.019	-0.025	1.412
3	16:55:26	-0.032	0.021	0.282	7.205	50.050	0.026	-0.082	1.377
x		0.145	-0.000	0.320	11.230	54.540	0.020	-0.057	1.418
σ		0.157	0.019	0.078	3.610	5.862	0.005	0.029	0.046
%RSD		108.600	10940.000	24.400	32.160	10.750	25.520	51.300	3.211

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:54:01	1.116	0.401	0.708	-0.256	-3.432	-0.553	0.000	0.074
2	16:54:44	1.318	0.655	0.530	0.408	-5.197	0.898	0.000	0.126
3	16:55:26	1.114	0.680	0.484	0.245	-5.005	-1.323	0.000	0.126
x		1.183	0.579	0.574	0.132	-4.545	-0.326	0.000	0.109
σ		0.117	0.155	0.118	0.346	0.969	1.128	0.000	0.030
%RSD		9.929	26.740	20.630	261.800	21.310	346.200	0.000	27.440

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:54:01	101.670%	0.549	0.408	99.500%	-0.013	0.005	0.023	0.025
2	16:54:44	104.592%	0.497	0.501	103.506%	0.014	0.023	-0.036	0.064
3	16:55:26	105.893%	0.430	0.415	105.338%	0.009	0.013	0.070	0.070
x		104.052%	0.492	0.441	102.781%	0.003	0.014	0.019	0.053
σ		2.163%	0.060	0.052	2.985%	0.014	0.009	0.053	0.025
%RSD		2.078	12.110	11.810	2.905	412.300	65.500	279.800	46.400

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:54:01	100.078%	0.078	0.054	0.046	0.063	0.045	96.239%	97.168%
2	16:54:44	103.334%	0.071	0.076	0.076	0.095	0.083	100.244%	100.148%
3	16:55:26	105.008%	0.063	0.048	0.074	0.034	0.074	101.569%	101.633%
x		102.807%	0.071	0.059	0.065	0.064	0.068	99.350%	99.650%
σ		2.507%	0.008	0.015	0.017	0.031	0.020	2.775%	2.274%
%RSD		2.439	11.070	25.480	25.600	47.910	29.370	2.793	2.282

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:54:01	-0.006	-0.020	0.724	0.684	0.691	105.401%
2	16:54:44	-0.026	-0.013	0.687	0.707	0.687	108.420%
3	16:55:26	-0.008	-0.004	0.575	0.604	0.606	111.126%
x		-0.013	-0.012	0.662	0.665	0.661	108.316%
σ		0.011	0.008	0.077	0.054	0.048	2.864%
%RSD		83.620	64.400	11.710	8.105	7.266	2.644

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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	16:58:21	91.962%	3.993	244.000	258.000	0.000	77350.000	75560.000	77410.000
2	16:59:05	91.689%	3.549	243.400	259.800	0.000	77200.000	73460.000	76330.000
3	16:59:48	91.002%	4.208	232.200	264.800	0.000	78130.000	73300.000	76720.000
x		91.551%	3.917	239.900	260.900	0.000	77560.000	74110.000	76820.000
σ		0.495%	0.336	6.681	3.529	0.000	497.200	1262.000	547.600
%RSD		0.540	8.578	2.785	1.353	0.000	0.641	1.702	0.713

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:58:21	61680.000	7006.000	0.000	14310.000	139400.000	139400.000	87.223%	2256.000
2	16:59:05	61530.000	7124.000	0.000	14790.000	142800.000	140800.000	86.898%	2249.000
3	16:59:48	62280.000	7191.000	0.000	14950.000	143300.000	141200.000	86.726%	2251.000
x		61830.000	7107.000	0.000	14680.000	141900.000	140500.000	86.949%	2252.000
σ		398.000	93.980	0.000	333.100	2105.000	929.100	0.253%	3.817
%RSD		0.644	1.322	0.000	2.268	1.484	0.661	0.291	0.170

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:58:21	582.500	3264.000	1314.000	311400.000	306500.000	73.650	2017.000	5991.000
2	16:59:05	567.900	3231.000	1318.000	313300.000	310000.000	74.810	2039.000	6060.000
3	16:59:48	570.300	3254.000	1323.000	313300.000	309100.000	75.410	2047.000	6073.000
x		573.600	3250.000	1318.000	312700.000	308500.000	74.620	2035.000	6042.000
σ		7.847	17.160	4.892	1108.000	1829.000	0.893	15.540	44.000
%RSD		1.368	0.528	0.371	0.354	0.593	1.197	0.764	0.728

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:58:21	6021.000	12840.000	12970.000	103.000	22.040	28.610	0.000	872.400
2	16:59:05	6149.000	13170.000	13280.000	104.600	21.920	27.660	0.000	873.900
3	16:59:48	6173.000	13210.000	13370.000	106.500	20.000	28.480	0.000	874.900
x		6114.000	13080.000	13210.000	104.700	21.320	28.250	0.000	873.700
σ		82.120	204.600	210.000	1.774	1.143	0.520	0.000	1.245
%RSD		1.343	1.565	1.590	1.695	5.361	1.841	0.000	0.142

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:58:21	0.000	105.300	106.100	83.619%	134.500	134.700	173.000	171.800
2	16:59:05	0.000	105.800	105.600	85.564%	135.100	135.900	174.500	169.900
3	16:59:48	0.000	105.900	106.500	86.395%	135.000	134.800	176.300	172.000
x		0.000	105.700	106.100	85.192%	134.900	135.100	174.600	171.200
σ		0.000	0.307	0.424	1.425%	0.313	0.664	1.667	1.145
%RSD		0.000	0.290	0.400	1.672	0.232	0.491	0.955	0.669

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:58:21	84.166%	652.400	88.360	86.720	5667.000	5587.000	90.069%	91.125%
2	16:59:05	87.194%	654.500	86.530	86.210	5641.000	5593.000	92.072%	94.088%
3	16:59:48	87.258%	657.900	88.470	88.400	5675.000	5596.000	92.714%	94.010%
x		86.206%	654.900	87.790	87.110	5661.000	5592.000	91.618%	93.074%
σ		1.767%	2.765	1.089	1.145	17.960	4.564	1.380%	1.688%
%RSD		2.050	0.422	1.240	1.315	0.317	0.082	1.506	1.814

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:58:21	2.250	2.342	11150.000	11080.000	11070.000	87.083%
2	16:59:05	2.348	2.461	11070.000	11040.000	11010.000	90.086%
3	16:59:48	2.275	2.478	11100.000	11010.000	11010.000	90.667%
x		2.291	2.427	11110.000	11040.000	11030.000	89.279%
σ		0.051	0.074	36.860	31.430	33.390	1.923%
%RSD		2.225	3.051	0.332	0.285	0.303	2.154

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:02:41	94.708%	4.546	233.900	248.100	0.000	72830.000	81930.000	84120.000
2	17:03:24	91.893%	4.734	240.200	256.600	0.000	73970.000	81260.000	85330.000
3	17:04:07	90.219%	5.088	245.100	266.100	0.000	75380.000	82920.000	86610.000
x		92.273%	4.790	239.800	256.900	0.000	74060.000	82040.000	85350.000
σ		2.269%	0.275	5.624	8.985	0.000	1275.000	832.000	1243.000
%RSD		2.459	5.750	2.346	3.497	0.000	1.721	1.014	1.457

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:02:41	86670.000	6424.000	0.000	25420.000	168000.000	167600.000	89.345%	4852.000
2	17:03:24	89000.000	6599.000	0.000	26180.000	170100.000	167800.000	90.463%	4820.000
3	17:04:07	90080.000	6700.000	0.000	26620.000	173200.000	169600.000	90.121%	4844.000
x		88580.000	6574.000	0.000	26070.000	170400.000	168300.000	89.976%	4839.000
σ		1743.000	139.300	0.000	605.600	2636.000	1101.000	0.573%	16.600
%RSD		1.968	2.118	0.000	2.323	1.547	0.654	0.637	0.343

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:02:41	407.800	1668.000	1708.000	241900.000	239400.000	93.160	1198.000	4433.000
2	17:03:24	402.600	1663.000	1710.000	242600.000	240200.000	93.070	1203.000	4456.000
3	17:04:07	400.500	1674.000	1689.000	244700.000	242200.000	94.490	1214.000	4537.000
x		403.700	1668.000	1702.000	243000.000	240600.000	93.570	1205.000	4475.000
σ		3.733	5.488	11.560	1446.000	1460.000	0.795	8.225	54.740
%RSD		0.925	0.329	0.679	0.595	0.607	0.850	0.683	1.223

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:02:41	4515.000	9313.000	9425.000	139.400	10.840	19.110	0.000	823.800
2	17:03:24	4522.000	9393.000	9496.000	136.800	10.840	19.090	0.000	818.200
3	17:04:07	4604.000	9507.000	9577.000	139.500	6.225	19.600	0.000	823.000
x		4547.000	9405.000	9499.000	138.600	9.303	19.270	0.000	821.600
σ		49.520	97.480	76.500	1.542	2.666	0.288	0.000	3.022
%RSD		1.089	1.036	0.805	1.113	28.650	1.493	0.000	0.368

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:02:41	0.000	66.650	67.790	84.624%	86.530	87.120	86.830	86.850
2	17:03:24	0.000	66.400	67.040	87.815%	86.600	87.480	89.300	85.130
3	17:04:07	0.000	65.490	67.220	88.534%	86.790	87.500	88.060	86.200
x		0.000	66.180	67.350	86.991%	86.640	87.360	88.070	86.060
σ		0.000	0.611	0.390	2.081%	0.135	0.213	1.235	0.868
%RSD		0.000	0.924	0.580	2.392	0.156	0.244	1.402	1.008

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:02:41	84.697%	391.400	42.620	43.190	3151.000	3113.000	94.943%	94.939%
2	17:03:24	88.729%	391.900	42.450	41.650	3130.000	3103.000	96.730%	97.919%
3	17:04:07	89.296%	392.000	42.330	41.910	3146.000	3100.000	98.786%	99.135%
x		87.574%	391.800	42.470	42.250	3142.000	3105.000	96.820%	97.331%
σ		2.507%	0.291	0.144	0.823	11.200	6.925	1.923%	2.159%
%RSD		2.863	0.074	0.339	1.947	0.356	0.223	1.986	2.218

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:02:41	2.613	2.678	8542.000	8562.000	8528.000	86.799%
2	17:03:24	2.589	2.671	8454.000	8460.000	8435.000	90.589%
3	17:04:07	2.506	2.797	8566.000	8562.000	8542.000	90.962%
x		2.569	2.716	8521.000	8528.000	8502.000	89.450%
σ		0.056	0.071	59.230	58.550	58.090	2.303%
%RSD		2.184	2.614	0.695	0.687	0.683	2.575

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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	17:07:01	92.985%	4.110	170.900	181.400	0.000	66350.000	54380.000	56130.000
2	17:07:44	92.626%	4.315	164.900	180.900	0.000	65980.000	53570.000	55910.000
3	17:08:27	92.292%	4.392	171.400	179.900	0.000	66290.000	53420.000	56410.000
x		92.634%	4.272	169.000	180.700	0.000	66200.000	53790.000	56150.000
σ		0.347%	0.146	3.633	0.750	0.000	196.200	516.900	247.500
%RSD		0.375	3.412	2.149	0.415	0.000	0.296	0.961	0.441

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:07:01	65140.000	7574.000	0.000	16410.000	84400.000	76160.000	90.478%	2547.000
2	17:07:44	65400.000	7644.000	0.000	16800.000	86420.000	77710.000	89.420%	2529.000
3	17:08:27	65970.000	7733.000	0.000	17000.000	86640.000	78130.000	89.537%	2570.000
x		65500.000	7650.000	0.000	16740.000	85820.000	77330.000	89.812%	2549.000
σ		425.600	80.010	0.000	302.600	1237.000	1038.000	0.580%	20.490
%RSD		0.650	1.046	0.000	1.808	1.441	1.342	0.645	0.804

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:07:01	337.700	1044.000	1273.000	202700.000	200500.000	75.790	877.300	4549.000
2	17:07:44	335.800	1049.000	1285.000	204100.000	201500.000	77.220	881.200	4570.000
3	17:08:27	335.000	1047.000	1281.000	204300.000	202000.000	76.710	890.200	4438.000
x		336.200	1047.000	1280.000	203700.000	201300.000	76.570	882.900	4519.000
σ		1.368	2.799	6.083	900.100	787.800	0.722	6.613	71.010
%RSD		0.407	0.268	0.475	0.442	0.391	0.942	0.749	1.571

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:07:01	4637.000	7498.000	7564.000	79.610	6.967	18.180	0.000	485.600
2	17:07:44	4678.000	7595.000	7667.000	78.750	8.824	18.340	0.000	482.900
3	17:08:27	4701.000	7659.000	7746.000	76.580	8.580	20.680	0.000	484.200
x		4672.000	7584.000	7659.000	78.310	8.124	19.070	0.000	484.200
σ		32.540	81.030	91.230	1.563	1.009	1.402	0.000	1.372
%RSD		0.697	1.068	1.191	1.995	12.420	7.353	0.000	0.283

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:07:01	0.000	57.410	58.710	86.856%	65.780	65.220	60.820	58.510
2	17:07:44	0.000	57.300	58.590	88.227%	65.100	64.900	62.200	60.250
3	17:08:27	0.000	57.890	58.920	88.948%	65.910	65.170	62.610	59.600
x		0.000	57.530	58.740	88.010%	65.600	65.100	61.880	59.450
σ		0.000	0.311	0.169	1.063%	0.435	0.172	0.938	0.880
%RSD		0.000	0.541	0.287	1.208	0.663	0.264	1.516	1.480

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:07:01	87.972%	661.100	53.800	53.030	2771.000	2755.000	92.985%	93.631%
2	17:07:44	88.128%	677.200	53.780	54.520	2808.000	2765.000	94.731%	95.969%
3	17:08:27	89.267%	672.600	54.520	54.080	2809.000	2761.000	96.198%	96.483%
x		88.456%	670.300	54.040	53.870	2796.000	2760.000	94.638%	95.361%
σ		0.707%	8.264	0.423	0.762	21.860	4.790	1.609%	1.520%
%RSD		0.799	1.233	0.782	1.414	0.782	0.173	1.700	1.594

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:07:01	1.702	1.740	7697.000	7712.000	7681.000	86.764%
2	17:07:44	1.739	1.800	7622.000	7649.000	7609.000	88.763%
3	17:08:27	1.750	1.744	7659.000	7675.000	7636.000	89.714%
x		1.730	1.761	7660.000	7678.000	7642.000	88.414%
σ		0.025	0.034	37.890	31.600	36.600	1.506%
%RSD		1.442	1.903	0.495	0.412	0.479	1.703

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:11:19	93.627%	3.684	130.400	131.800	0.000	51780.000	57190.000	58580.000
2	17:12:02	95.482%	3.506	125.200	137.500	0.000	51140.000	54940.000	57730.000
3	17:12:45	95.918%	3.928	123.700	134.800	0.000	51330.000	55480.000	58150.000
x		95.009%	3.706	126.400	134.700	0.000	51420.000	55870.000	58150.000
σ		1.217%	0.212	3.478	2.846	0.000	330.000	1177.000	420.300
%RSD		1.281	5.715	2.751	2.113	0.000	0.642	2.106	0.723

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:11:19	63030.000	5659.000	0.000	16060.000	95290.000	94080.000	90.564%	2548.000
2	17:12:02	62660.000	5714.000	0.000	16290.000	96410.000	94860.000	92.085%	2543.000
3	17:12:45	63420.000	5703.000	0.000	16590.000	98900.000	95190.000	91.625%	2560.000
x		63040.000	5692.000	0.000	16310.000	96870.000	94710.000	91.425%	2550.000
σ		380.800	28.970	0.000	267.600	1847.000	573.000	0.780%	8.993
%RSD		0.604	0.509	0.000	1.640	1.907	0.605	0.853	0.353

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:11:19	312.100	1056.000	1251.000	201100.000	199400.000	67.900	1025.000	4067.000
2	17:12:02	309.900	1050.000	1254.000	201400.000	199700.000	67.680	1023.000	4094.000
3	17:12:45	308.400	1061.000	1270.000	203900.000	202200.000	68.510	1032.000	4149.000
x		310.100	1056.000	1258.000	202100.000	200400.000	68.030	1027.000	4103.000
σ		1.817	5.670	9.951	1559.000	1500.000	0.431	4.659	41.620
%RSD		0.586	0.537	0.791	0.772	0.748	0.634	0.454	1.014

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:11:19	4142.000	6866.000	6940.000	73.230	3.856	13.890	0.000	450.500
2	17:12:02	4184.000	6943.000	6995.000	74.050	4.155	12.680	0.000	447.700
3	17:12:45	4224.000	7028.000	7085.000	77.320	4.162	15.880	0.000	449.600
x		4183.000	6946.000	7007.000	74.870	4.058	14.150	0.000	449.300
σ		41.150	81.300	72.990	2.168	0.174	1.617	0.000	1.390
%RSD		0.984	1.170	1.042	2.896	4.300	11.430	0.000	0.310

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:11:19	0.000	77.460	77.950	87.939%	65.190	65.710	45.090	45.700
2	17:12:02	0.000	78.400	78.500	90.453%	66.310	66.500	45.930	45.760
3	17:12:45	0.000	77.590	79.180	91.148%	66.330	66.970	47.400	45.210
x		0.000	77.820	78.540	89.846%	65.940	66.390	46.140	45.560
σ		0.000	0.508	0.618	1.688%	0.654	0.634	1.173	0.304
%RSD		0.000	0.653	0.787	1.879	0.991	0.955	2.542	0.667

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:11:19	86.978%	464.100	51.400	51.500	2116.000	2081.000	94.695%	95.508%
2	17:12:02	90.521%	467.000	51.480	51.250	2110.000	2090.000	97.541%	99.477%
3	17:12:45	91.680%	465.700	50.790	51.070	2114.000	2097.000	98.824%	100.142%
x		89.726%	465.600	51.220	51.280	2113.000	2089.000	97.020%	98.376%
σ		2.450%	1.464	0.378	0.213	3.077	8.291	2.113%	2.506%
%RSD		2.730	0.314	0.737	0.416	0.146	0.397	2.178	2.547

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:11:19	1.528	1.645	7138.000	7180.000	7123.000	87.556%
2	17:12:02	1.465	1.591	7083.000	7116.000	7068.000	91.289%
3	17:12:45	1.550	1.678	7135.000	7108.000	7093.000	92.523%
x		1.514	1.638	7119.000	7135.000	7095.000	90.456%
σ		0.044	0.044	30.730	39.160	27.210	2.586%
%RSD		2.900	2.688	0.432	0.549	0.384	2.859

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:22:53	111.779%	0.008	-0.618	-0.741	0.000	-7.990	-0.030	0.137
2	17:23:36	114.390%	-0.031	-1.588	-0.429	0.000	-3.463	3.862	4.131
3	17:24:18	112.815%	0.007	-1.055	-0.664	0.000	-1.344	4.142	4.214
x		112.995%	-0.005	-1.087	-0.611	0.000	-4.265	2.658	2.828
σ		1.315%	0.023	0.486	0.163	0.000	3.395	2.332	2.330
%RSD		1.164	440.600	44.720	26.610	0.000	79.590	87.730	82.410

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:22:53	5.065	3.273	0.000	9.476	0.447	2.589	116.723%	0.452
2	17:23:36	8.627	4.026	0.000	13.460	7.528	9.263	117.721%	0.363
3	17:24:18	8.493	5.783	0.000	13.780	12.150	8.383	118.710%	0.440
x		7.395	4.361	0.000	12.240	6.708	6.745	117.718%	0.418
σ		2.019	1.288	0.000	2.396	5.895	3.626	0.993%	0.049
%RSD		27.300	29.530	0.000	19.580	87.870	53.750	0.844	11.620

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:22:53	-0.050	0.430	0.017	-13.220	31.290	-0.013	-0.097	1.752
2	17:23:36	-0.242	0.419	0.148	-3.277	34.940	-0.015	0.088	2.067
3	17:24:18	0.492	0.376	0.169	-3.823	41.040	-0.007	0.061	1.802
x		0.067	0.408	0.112	-6.774	35.760	-0.012	0.018	1.874
σ		0.381	0.028	0.082	5.591	4.923	0.004	0.100	0.169
%RSD		568.400	6.967	73.900	82.540	13.770	36.570	569.100	9.032

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:22:53	1.732	0.625	1.290	-0.135	-7.224	-3.269	0.000	0.003
2	17:23:36	2.072	1.341	1.515	0.082	-7.829	-1.386	0.000	0.044
3	17:24:18	2.082	1.253	1.729	-0.299	-7.826	-2.923	0.000	0.057
x		1.962	1.073	1.511	-0.117	-7.627	-2.526	0.000	0.035
σ		0.199	0.390	0.220	0.191	0.348	1.002	0.000	0.028
%RSD		10.160	36.370	14.540	162.900	4.569	39.670	0.000	80.470

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:22:53	116.340%	0.148	0.159	100.610%	-0.015	-0.007	0.083	0.062
2	17:23:36	117.803%	0.106	0.109	104.427%	-0.018	0.009	-0.074	-0.024
3	17:24:18	120.215%	0.129	0.108	105.393%	-0.014	0.008	-0.133	-0.083
x		118.120%	0.128	0.125	103.477%	-0.016	0.003	-0.041	-0.015
σ		1.957%	0.021	0.029	2.529%	0.002	0.009	0.112	0.073
%RSD		1.657	16.250	23.190	2.444	14.300	282.400	270.600	489.800

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:22:53	99.860%	0.016	0.030	0.053	0.026	0.059	96.835%	96.909%
2	17:23:36	103.800%	-0.086	0.026	0.047	0.275	0.232	100.113%	99.799%
3	17:24:18	104.464%	-0.053	0.060	0.062	0.271	0.283	101.842%	100.658%
x		102.708%	-0.041	0.039	0.054	0.191	0.191	99.597%	99.122%
σ		2.489%	0.052	0.019	0.008	0.143	0.117	2.543%	1.964%
%RSD		2.423	126.700	47.950	14.190	74.990	61.310	2.554	1.981

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:22:53	-0.048	-0.041	0.374	0.490	0.443	103.353%
2	17:23:36	-0.041	-0.046	0.858	0.962	0.865	105.194%
3	17:24:18	-0.052	-0.048	0.926	0.837	0.875	106.564%
x		-0.047	-0.045	0.719	0.763	0.728	105.037%
σ		0.005	0.004	0.301	0.245	0.246	1.611%
%RSD		11.600	8.160	41.910	32.080	33.850	1.534

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:27:10	90.926%	47.240	932.800	940.800	0.000	45140.000	41270.000	42130.000
2	17:27:53	88.963%	47.220	959.600	988.200	0.000	46130.000	41180.000	42190.000
3	17:28:36	90.727%	48.630	958.700	985.100	0.000	45750.000	40380.000	41850.000
x		90.205%	47.700	950.400	971.400	0.000	45670.000	40940.000	42060.000
σ		1.081%	0.812	15.210	26.490	0.000	495.700	489.800	182.000
%RSD		1.198	1.703	1.600	2.727	0.000	1.085	1.196	0.433

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:27:10	1688.000	8951.000	0.000	49900.000	48520.000	44620.000	82.059%	916.800
2	17:27:53	1731.000	9215.000	0.000	51590.000	49280.000	45490.000	82.726%	916.100
3	17:28:36	1738.000	9156.000	0.000	51810.000	50080.000	45600.000	83.465%	907.500
x		1719.000	9107.000	0.000	51100.000	49290.000	45240.000	82.750%	913.500
σ		26.700	138.600	0.000	1045.000	779.000	536.100	0.703%	5.134
%RSD		1.553	1.522	0.000	2.045	1.580	1.185	0.850	0.562

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:27:10	455.000	188.400	457.100	988.500	1362.000	466.200	478.000	247.800
2	17:27:53	450.000	188.400	459.100	996.500	1367.000	474.400	483.500	254.800
3	17:28:36	455.600	188.200	460.700	1004.000	1364.000	474.800	486.900	255.800
x		453.500	188.300	459.000	996.200	1364.000	471.800	482.800	252.800
σ		3.090	0.143	1.827	7.534	2.258	4.839	4.466	4.342
%RSD		0.681	0.076	0.398	0.756	0.166	1.026	0.925	1.717

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:27:10	253.400	485.200	492.400	39.420	9.860	9.270	0.000	883.400
2	17:27:53	261.800	494.700	501.300	40.190	10.480	11.280	0.000	887.200
3	17:28:36	258.700	503.700	509.400	39.530	7.187	11.570	0.000	896.100
x		258.000	494.500	501.100	39.710	9.176	10.710	0.000	888.900
σ		4.241	9.217	8.507	0.415	1.750	1.251	0.000	6.525
%RSD		1.644	1.864	1.698	1.046	19.070	11.690	0.000	0.734

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:27:10	84.063%	930.000	932.300	83.726%	46.370	46.960	45.850	41.070
2	17:27:53	85.406%	936.100	945.900	87.162%	46.380	46.690	45.860	40.610
3	17:28:36	85.816%	946.100	956.600	87.919%	46.740	47.250	46.100	40.690
x		85.095%	937.400	945.000	86.269%	46.500	46.960	45.940	40.790
σ		0.917%	8.129	12.190	2.235%	0.214	0.282	0.141	0.246
%RSD		1.077	0.867	1.290	2.591	0.460	0.601	0.307	0.604

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:27:10	83.648%	1775.000	460.400	453.700	1762.000	1762.000	86.260%	86.362%
2	17:27:53	87.212%	1790.000	459.300	454.900	1776.000	1761.000	87.792%	89.153%
3	17:28:36	87.934%	1807.000	463.300	458.800	1777.000	1765.000	89.507%	90.248%
x		86.265%	1791.000	461.000	455.800	1772.000	1763.000	87.853%	88.587%
σ		2.295%	16.080	2.041	2.701	7.890	1.891	1.624%	2.004%
%RSD		2.660	0.898	0.443	0.593	0.445	0.107	1.849	2.262

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:27:10	46.590	46.250	20.270	20.290	20.150	80.784%
2	17:27:53	45.690	46.130	19.940	20.210	20.130	84.585%
3	17:28:36	46.100	46.590	20.460	20.360	20.330	85.891%
x		46.130	46.320	20.220	20.290	20.200	83.753%
σ		0.447	0.238	0.265	0.072	0.112	2.653%
%RSD		0.970	0.513	1.311	0.356	0.553	3.168

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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	17:34:23	97.260%	-0.021	52.820	56.210	0.000	73020.000	18500.000	19220.000
2	17:35:06	96.426%	-0.021	59.780	60.600	0.000	72930.000	18400.000	19170.000
3	17:35:49	95.977%	0.025	52.950	59.810	0.000	72490.000	18110.000	19090.000
x		96.554%	-0.006	55.190	58.870	0.000	72810.000	18340.000	19160.000
σ		0.651%	0.026	3.981	2.338	0.000	282.900	201.300	64.520
%RSD		0.674	440.100	7.215	3.971	0.000	0.389	1.098	0.337

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:34:23	3.565	6723.000	0.000	1573.000	119600.000	121000.000	83.948%	6.315
2	17:35:06	4.136	6794.000	0.000	1632.000	121400.000	121200.000	84.066%	6.329
3	17:35:49	4.320	6848.000	0.000	1653.000	123200.000	121700.000	84.557%	5.996
x		4.007	6788.000	0.000	1619.000	121400.000	121300.000	84.190%	6.213
σ		0.394	62.630	0.000	41.510	1783.000	387.100	0.323%	0.189
%RSD		9.820	0.923	0.000	2.563	1.469	0.319	0.384	3.039

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:34:23	5.558	5.842	1741.000	12960.000	13360.000	0.757	10.680	7.394
2	17:35:06	5.213	5.298	1750.000	12960.000	13430.000	0.788	10.760	7.223
3	17:35:49	4.111	5.374	1748.000	12960.000	13370.000	0.685	10.120	6.849
x		4.961	5.505	1747.000	12960.000	13390.000	0.743	10.520	7.155
σ		0.756	0.295	4.425	3.172	37.050	0.053	0.351	0.279
%RSD		15.230	5.355	0.253	0.024	0.277	7.112	3.338	3.895

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:34:23	7.534	7.640	7.890	57.640	0.380	3.625	0.000	819.200
2	17:35:06	7.322	7.731	9.887	56.570	-2.259	1.947	0.000	812.100
3	17:35:49	7.130	7.835	6.429	55.770	-4.717	1.195	0.000	805.500
x		7.329	7.735	8.069	56.660	-2.199	2.256	0.000	812.200
σ		0.202	0.098	1.736	0.937	2.549	1.244	0.000	6.838
%RSD		2.756	1.263	21.510	1.654	115.900	55.140	0.000	0.842

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:34:23	83.407%	19.910	20.250	83.622%	-0.023	-0.003	-0.037	-0.035
2	17:35:06	85.206%	19.430	19.270	85.910%	-0.001	-0.016	-0.277	-0.207
3	17:35:49	87.271%	18.910	19.180	87.958%	-0.024	-0.016	-0.074	-0.066
x		85.295%	19.420	19.560	85.830%	-0.016	-0.012	-0.129	-0.103
σ		1.933%	0.499	0.598	2.169%	0.013	0.007	0.129	0.092
%RSD		2.266	2.567	3.056	2.527	80.640	61.430	100.100	89.250

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:34:23	83.635%	15.480	0.500	0.484	608.900	600.300	86.119%	86.284%
2	17:35:06	87.346%	11.720	0.462	0.461	590.900	592.200	88.255%	89.645%
3	17:35:49	87.313%	10.660	0.461	0.441	604.400	600.700	89.589%	90.688%
x		86.098%	12.620	0.475	0.462	601.400	597.700	87.988%	88.872%
σ		2.133%	2.530	0.022	0.022	9.387	4.822	1.750%	2.301%
%RSD		2.477	20.050	4.734	4.669	1.561	0.807	1.989	2.590

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:34:23	0.147	0.120	0.602	0.671	0.662	82.264%
2	17:35:06	0.115	0.084	0.698	0.607	0.680	85.256%
3	17:35:49	0.084	0.053	0.671	0.671	0.682	86.852%
x		0.115	0.086	0.657	0.649	0.675	84.791%
σ		0.031	0.033	0.050	0.037	0.011	2.329%
%RSD		26.920	39.050	7.537	5.664	1.566	2.747

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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	17:38:41	95.316%	0.069	10.990	11.940	0.000	13330.000	3368.000	3435.000
2	17:39:24	97.057%	-0.022	10.490	10.290	0.000	13210.000	3245.000	3414.000
3	17:40:07	96.579%	-0.037	10.790	11.410	0.000	13260.000	3215.000	3428.000
x		96.317%	0.003	10.760	11.210	0.000	13270.000	3276.000	3426.000
σ		0.900%	0.057	0.249	0.844	0.000	58.950	81.040	10.660
%RSD		0.934	1761.000	2.312	7.528	0.000	0.444	2.474	0.311

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:41	3.759	1178.000	0.000	277.500	19700.000	18370.000	99.542%	0.523
2	17:39:24	3.996	1185.000	0.000	286.900	20150.000	18570.000	100.826%	0.292
3	17:40:07	2.922	1200.000	0.000	288.800	20790.000	18670.000	100.950%	0.585
x		3.559	1188.000	0.000	284.400	20210.000	18540.000	100.439%	0.467
σ		0.564	11.040	0.000	6.022	549.400	152.500	0.779%	0.154
%RSD		15.840	0.929	0.000	2.117	2.718	0.823	0.776	33.050

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:41	1.171	0.910	295.400	2173.000	2289.000	0.120	1.922	2.179
2	17:39:24	0.979	0.938	296.800	2085.000	2288.000	0.138	1.915	1.955
3	17:40:07	1.064	0.919	297.500	2142.000	2296.000	0.097	1.799	2.191
x		1.071	0.922	296.500	2133.000	2291.000	0.118	1.879	2.108
σ		0.097	0.014	1.073	44.300	4.066	0.020	0.069	0.133
%RSD		9.010	1.516	0.362	2.077	0.177	17.100	3.674	6.314

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:41	2.183	1.722	1.537	9.300	-5.079	0.953	0.000	150.400
2	17:39:24	2.013	1.786	2.094	9.670	-6.659	1.193	0.000	149.100
3	17:40:07	1.958	1.909	1.757	9.952	-4.542	-0.528	0.000	149.900
x		2.051	1.806	1.796	9.641	-5.427	0.539	0.000	149.800
σ		0.118	0.095	0.281	0.327	1.101	0.932	0.000	0.638
%RSD		5.732	5.257	15.620	3.392	20.280	172.900	0.000	0.426

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:41	89.805%	3.635	3.894	91.034%	-0.019	-0.016	-0.085	-0.049
2	17:39:24	91.605%	3.837	3.692	93.658%	-0.011	-0.011	-0.147	-0.059
3	17:40:07	92.329%	3.596	3.361	95.825%	-0.015	-0.019	0.003	0.038
x		91.246%	3.689	3.649	93.506%	-0.015	-0.016	-0.076	-0.023
σ		1.300%	0.129	0.269	2.399%	0.004	0.004	0.076	0.054
%RSD		1.424	3.499	7.366	2.566	24.820	26.570	99.290	230.400

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:41	90.912%	0.587	0.078	0.123	111.700	112.100	91.428%	92.518%
2	17:39:24	92.858%	0.520	0.103	0.155	110.700	111.100	95.199%	93.568%
3	17:40:07	95.801%	0.386	0.086	0.079	110.500	110.300	94.902%	96.122%
x		93.190%	0.498	0.089	0.119	111.000	111.200	93.843%	94.070%
σ		2.462%	0.102	0.013	0.038	0.660	0.880	2.096%	1.854%
%RSD		2.642	20.570	14.520	31.960	0.595	0.792	2.234	1.970

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:41	-0.004	0.007	0.176	0.240	0.199	85.400%
2	17:39:24	-0.005	-0.008	0.185	0.194	0.182	89.184%
3	17:40:07	-0.002	-0.003	0.094	0.169	0.109	90.855%
x		-0.004	-0.001	0.152	0.201	0.163	88.480%
σ		0.002	0.008	0.050	0.036	0.048	2.795%
%RSD		45.640	692.900	33.010	17.980	29.410	3.159

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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	17:43:00	93.985%	46.060	927.100	969.000	0.000	117600.000	60400.000	62280.000
2	17:43:43	95.589%	45.690	931.000	980.000	0.000	117400.000	59210.000	61520.000
3	17:44:26	95.558%	44.490	929.900	976.700	0.000	116700.000	57960.000	61780.000
x		95.044%	45.410	929.300	975.200	0.000	117200.000	59190.000	61860.000
σ		0.917%	0.820	2.035	5.643	0.000	470.400	1217.000	384.900
%RSD		0.965	1.806	0.219	0.579	0.000	0.401	2.057	0.622

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:43:00	1673.000	15730.000	0.000	51930.000	172400.000	174800.000	79.877%	909.500
2	17:43:43	1670.000	15760.000	0.000	52870.000	175100.000	173600.000	81.015%	903.800
3	17:44:26	1676.000	15880.000	0.000	53810.000	177900.000	174200.000	80.936%	914.000
x		1673.000	15790.000	0.000	52870.000	175100.000	174200.000	80.610%	909.100
σ		2.947	82.950	0.000	939.100	2725.000	602.700	0.635%	5.073
%RSD		0.176	0.525	0.000	1.776	1.556	0.346	0.788	0.558

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:43:00	456.700	189.000	2214.000	14110.000	14800.000	472.300	488.000	248.100
2	17:43:43	451.600	187.500	2222.000	14050.000	14770.000	471.500	488.600	248.000
3	17:44:26	453.200	188.900	2180.000	14160.000	14970.000	476.000	491.100	251.400
x		453.800	188.500	2205.000	14110.000	14850.000	473.300	489.200	249.200
σ		2.644	0.837	22.260	57.500	110.300	2.420	1.678	1.950
%RSD		0.583	0.444	1.009	0.408	0.743	0.511	0.343	0.783

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:43:00	252.500	483.700	483.200	95.300	8.433	14.480	0.000	1648.000
2	17:43:43	251.800	488.000	482.000	94.600	6.268	13.020	0.000	1666.000
3	17:44:26	255.200	494.800	493.300	93.040	8.059	13.220	0.000	1657.000
x		253.200	488.800	486.200	94.310	7.587	13.570	0.000	1657.000
σ		1.767	5.561	6.217	1.154	1.157	0.792	0.000	8.884
%RSD		0.698	1.138	1.279	1.224	15.250	5.835	0.000	0.536

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:43:00	82.726%	943.700	952.100	82.766%	46.390	46.140	46.560	38.530
2	17:43:43	85.387%	950.700	956.400	85.871%	45.790	46.230	44.820	40.880
3	17:44:26	85.717%	956.900	967.500	86.923%	46.330	46.280	45.770	39.710
x		84.610%	950.500	958.700	85.187%	46.170	46.220	45.720	39.710
σ		1.640%	6.615	7.987	2.161%	0.333	0.072	0.870	1.171
%RSD		1.938	0.696	0.833	2.537	0.720	0.156	1.902	2.949

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:43:00	82.018%	1797.000	459.600	451.900	2361.000	2339.000	87.123%	86.549%
2	17:43:43	86.375%	1771.000	452.600	445.000	2339.000	2313.000	89.093%	89.330%
3	17:44:26	88.005%	1774.000	454.600	445.400	2341.000	2313.000	90.478%	91.589%
x		85.466%	1781.000	455.600	447.400	2347.000	2322.000	88.898%	89.156%
σ		3.095%	14.440	3.608	3.889	11.900	14.900	1.686%	2.525%
%RSD		3.621	0.811	0.792	0.869	0.507	0.642	1.896	2.832

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:43:00	44.150	43.850	18.220	18.590	18.410	84.435%
2	17:43:43	43.810	43.520	18.140	18.260	18.240	88.645%
3	17:44:26	43.980	43.720	18.510	17.940	18.260	89.707%
x		43.980	43.700	18.290	18.260	18.300	87.596%
σ		0.166	0.168	0.196	0.322	0.093	2.789%
%RSD		0.377	0.384	1.072	1.765	0.508	3.183

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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	17:47:18	93.380%	45.740	975.900	1000.000	0.000	119100.000	60620.000	62610.000
2	17:48:01	93.226%	47.860	993.300	1016.000	0.000	119100.000	58810.000	62350.000
3	17:48:44	93.167%	47.230	991.200	1028.000	0.000	120200.000	58890.000	62870.000
x		93.258%	46.940	986.800	1015.000	0.000	119500.000	59440.000	62610.000
σ		0.110%	1.088	9.461	13.780	0.000	620.200	1023.000	260.400
%RSD		0.118	2.318	0.959	1.358	0.000	0.519	1.721	0.416

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:18	1694.000	16010.000	0.000	52770.000	175000.000	176000.000	79.607%	940.500
2	17:48:01	1698.000	16150.000	0.000	53800.000	180000.000	176100.000	81.293%	917.800
3	17:48:44	1737.000	16280.000	0.000	54840.000	179800.000	177200.000	81.560%	917.600
x		1710.000	16150.000	0.000	53800.000	178300.000	176400.000	80.820%	925.300
σ		23.540	135.900	0.000	1036.000	2803.000	637.800	1.059%	13.140
%RSD		1.377	0.842	0.000	1.925	1.573	0.361	1.310	1.420

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:18	467.000	191.600	2212.000	14300.000	15070.000	476.800	497.100	251.100
2	17:48:01	462.700	190.500	2212.000	14350.000	15090.000	484.300	497.500	254.400
3	17:48:44	460.600	189.700	2268.000	14430.000	15150.000	488.300	510.700	255.700
x		463.400	190.600	2231.000	14360.000	15110.000	483.100	501.800	253.700
σ		3.243	0.947	32.240	61.810	41.110	5.855	7.753	2.351
%RSD		0.700	0.497	1.445	0.430	0.272	1.212	1.545	0.926

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:18	254.500	491.000	488.700	99.350	8.193	11.700	0.000	1699.000
2	17:48:01	257.800	502.900	492.300	97.460	8.214	15.140	0.000	1687.000
3	17:48:44	261.100	504.800	504.700	97.900	3.807	13.500	0.000	1718.000
x		257.800	499.600	495.300	98.240	6.738	13.450	0.000	1701.000
σ		3.321	7.504	8.422	0.990	2.538	1.725	0.000	15.860
%RSD		1.288	1.502	1.700	1.008	37.670	12.830	0.000	0.932

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:18	83.047%	967.000	966.400	82.928%	47.240	46.660	46.150	41.060
2	17:48:01	84.256%	971.800	978.700	85.986%	46.500	46.270	47.150	40.890
3	17:48:44	86.059%	974.400	982.400	87.500%	46.880	47.050	46.180	41.640
x		84.454%	971.000	975.800	85.471%	46.880	46.660	46.490	41.200
σ		1.516%	3.745	8.366	2.329%	0.369	0.390	0.566	0.395
%RSD		1.795	0.386	0.857	2.725	0.786	0.835	1.218	0.958

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:18	83.567%	1808.000	460.500	453.700	2373.000	2351.000	86.888%	86.816%
2	17:48:01	86.506%	1836.000	464.600	459.300	2376.000	2366.000	89.376%	90.005%
3	17:48:44	88.482%	1814.000	460.100	454.300	2374.000	2352.000	91.625%	91.799%
x		86.185%	1819.000	461.700	455.800	2374.000	2356.000	89.297%	89.540%
σ		2.473%	14.910	2.480	3.075	1.312	8.486	2.370%	2.524%
%RSD		2.870	0.820	0.537	0.675	0.055	0.360	2.654	2.819

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:18	43.960	44.280	18.950	18.420	18.760	85.015%
2	17:48:01	43.850	43.690	18.200	18.380	18.150	89.649%
3	17:48:44	43.750	44.310	18.320	17.920	18.200	91.834%
x		43.850	44.090	18.490	18.240	18.370	88.833%
σ		0.107	0.350	0.408	0.280	0.339	3.482%
%RSD		0.243	0.794	2.205	1.534	1.842	3.920

CCV 526714 9/6/2012 5:53:49 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:54:32	88.232%	103.000	103.600	106.900	0.000	50210.000	46420.000	46340.000
2	17:55:15	87.596%	103.000	104.700	107.100	0.000	49730.000	44700.000	45750.000
3	17:55:58	85.640%	103.100	97.700	107.900	0.000	50090.000	44110.000	46190.000
x		87.156%	103.015%	102.004%	107.320%	0.000	100.028%	90.148%	92.184%
σ		1.351%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.550	0.055	3.689	0.518	0.000	0.499	2.661	0.669

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:54:32	474.000	5001.000	0.000	52520.000	50190.000	46500.000	88.362%	98.660
2	17:55:15	473.200	5008.000	0.000	53420.000	51270.000	46370.000	88.578%	93.180
3	17:55:58	479.200	5081.000	0.000	54470.000	51880.000	46950.000	87.188%	94.910
x		95.093%	100.599%	0.000	106.936%	102.229%	93.219%	88.042%	95.583%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.748%	n/a
%RSD		0.678	0.878	0.000	1.826	1.671	0.650	0.850	2.930

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:54:32	94.140	95.120	475.400	25050.000	24170.000	98.120	101.100	101.500
2	17:55:15	93.120	94.110	474.800	24980.000	24310.000	98.030	100.500	103.200
3	17:55:58	93.270	94.370	476.200	25150.000	24430.000	98.990	99.960	103.400
x		93.509%	94.533%	95.092%	100.250%	97.200%	98.379%	100.511%	102.685%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.588	0.556	0.147	0.347	0.530	0.542	0.566	1.027

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:54:32	102.600	103.400	105.600	102.100	95.670	96.410	0.000	95.550
2	17:55:15	103.900	104.200	103.800	101.800	89.550	98.400	0.000	95.410
3	17:55:58	103.900	107.400	106.900	101.300	93.780	104.300	0.000	95.820
x		103.502%	105.022%	105.409%	101.711%	93.002%	99.714%	0.000	95.594%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.731	2.033	1.470	0.427	3.366	4.128	0.000	0.222

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:54:32	89.238%	95.350	96.440	89.699%	96.630	96.690	96.550	95.520
2	17:55:15	90.409%	98.630	98.910	91.986%	96.110	95.700	98.720	96.740
3	17:55:58	90.411%	97.800	98.400	92.406%	95.910	97.730	97.010	95.790
x		90.019%	97.262%	97.919%	91.364%	96.215%	96.708%	97.426%	96.016%
σ		0.677%	n/a	n/a	1.457%	n/a	n/a	n/a	n/a
%RSD		0.752	1.753	1.332	1.594	0.389	1.046	1.172	0.665

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:54:32	90.788%	95.460	95.540	94.840	93.580	95.310	91.807%	91.485%
2	17:55:15	92.939%	94.170	95.330	95.480	94.210	93.220	94.196%	94.789%
3	17:55:58	92.983%	96.670	96.000	94.290	94.100	93.430	93.560%	94.500%
x		92.236%	95.432%	95.621%	94.870%	93.964%	93.988%	93.188%	93.591%
σ		1.255%	n/a	n/a	n/a	n/a	n/a	1.238%	1.830%
%RSD		1.361	1.310	0.357	0.631	0.355	1.224	1.328	1.955

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:54:32	95.830	96.150	96.580	98.040	97.310	87.739%
2	17:55:15	96.430	96.450	97.850	97.410	97.790	89.904%
3	17:55:58	96.460	97.030	98.020	97.190	97.530	90.790%
x		96.237%	96.543%	97.481%	97.546%	97.544%	89.478%
σ		n/a	n/a	n/a	n/a	n/a	1.569%
%RSD		0.369	0.467	0.803	0.452	0.247	1.754

CCB4 9/6/2012 6:01:48 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	18:02:31	101.549%	0.004	0.977	1.330	0.000	6.650	5.441	5.617
2	18:03:14	100.616%	0.004	1.236	1.500	0.000	9.119	5.224	4.813
3	18:03:57	103.458%	0.002	2.000	1.367	0.000	12.400	10.060	11.160
x		101.874%	0.003	1.404	1.399	0.000	9.391	6.908	7.195
σ		1.448%	0.001	0.532	0.089	0.000	2.887	2.732	3.454
%RSD		1.422	33.650	37.900	6.392	0.000	30.740	39.540	48.000

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:02:31	1.183	5.096	0.000	45.060	31.540	11.740	98.951%	0.175
2	18:03:14	1.153	7.405	0.000	43.500	11.130	17.830	100.798%	0.119
3	18:03:57	1.466	6.406	0.000	50.340	22.100	19.840	101.376%	0.068
x		1.267	6.302	0.000	46.300	21.590	16.470	100.375%	0.121
σ		0.173	1.158	0.000	3.583	10.220	4.220	1.267%	0.053
%RSD		13.620	18.370	0.000	7.739	47.320	25.630	1.262	44.190

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:02:31	-0.083	0.050	0.174	-3.865	39.320	0.025	-0.102	0.901
2	18:03:14	0.233	0.068	0.172	-9.039	31.580	0.016	-0.037	0.943
3	18:03:57	0.261	0.049	0.198	-6.724	37.130	0.003	-0.100	0.832
x		0.137	0.056	0.181	-6.543	36.010	0.015	-0.079	0.892
σ		0.191	0.011	0.014	2.592	3.991	0.011	0.037	0.056
%RSD		139.700	19.420	7.791	39.620	11.080	77.770	46.430	6.277

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:02:31	0.821	-0.328	-0.054	-0.006	-3.820	1.124	0.000	0.091
2	18:03:14	0.881	-0.344	-0.351	0.076	-6.102	1.223	0.000	0.089
3	18:03:57	0.807	-0.132	-0.065	-0.213	-6.348	-1.064	0.000	0.132
x		0.837	-0.268	-0.157	-0.047	-5.423	0.428	0.000	0.104
σ		0.039	0.118	0.169	0.149	1.394	1.293	0.000	0.024
%RSD		4.695	43.960	107.600	315.400	25.710	302.400	0.000	23.380

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:02:31	99.904%	1.190	1.023	102.530%	-0.013	-0.005	-0.025	0.038
2	18:03:14	102.765%	1.037	0.809	106.611%	-0.021	0.002	-0.015	0.017
3	18:03:57	103.806%	0.893	0.888	108.170%	-0.009	0.018	-0.069	-0.059
x		102.158%	1.040	0.907	105.770%	-0.014	0.005	-0.036	-0.001
σ		2.020%	0.149	0.108	2.913%	0.006	0.012	0.029	0.051
%RSD		1.978	14.290	11.940	2.754	40.240	227.700	80.280	3898.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:02:31	95.859%	0.436	0.062	0.069	0.105	0.098	94.889%	93.905%
2	18:03:14	99.416%	0.247	0.083	0.040	0.051	0.052	97.226%	98.177%
3	18:03:57	100.039%	0.357	0.082	0.092	0.013	0.142	98.407%	98.860%
x		98.438%	0.347	0.076	0.067	0.056	0.097	96.841%	96.980%
σ		2.255%	0.095	0.012	0.026	0.046	0.045	1.790%	2.686%
%RSD		2.291	27.470	15.530	38.990	82.860	46.120	1.849	2.769

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:02:31	0.030	0.017	0.410	0.465	0.428	99.784%
2	18:03:14	0.002	0.018	0.338	0.307	0.322	104.060%
3	18:03:57	0.026	0.034	0.288	0.297	0.299	105.413%
x		0.019	0.023	0.345	0.356	0.350	103.086%
σ		0.015	0.010	0.062	0.094	0.069	2.939%
%RSD		77.140	41.440	17.850	26.420	19.830	2.851

180-13503-K-3-A 9/6/2012 6:06:08 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	18:06:52	95.344%	0.117	51.810	57.270	0.000	72750.000	18250.000	18880.000
2	18:07:35	95.604%	-0.005	56.710	57.490	0.000	72780.000	18050.000	18830.000
3	18:08:18	95.909%	0.040	51.580	55.900	0.000	73220.000	18010.000	19040.000
x		95.619%	0.050	53.370	56.890	0.000	72920.000	18100.000	18920.000
σ		0.283%	0.062	2.898	0.861	0.000	265.500	132.800	108.000
%RSD		0.296	122.800	5.430	1.514	0.000	0.364	0.734	0.571

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:06:52	3.672	6663.000	0.000	1600.000	120700.000	120900.000	83.087%	5.584
2	18:07:35	4.163	6776.000	0.000	1646.000	122900.000	122000.000	84.244%	5.235
3	18:08:18	3.743	6843.000	0.000	1638.000	122600.000	121900.000	85.478%	6.049
x		3.859	6761.000	0.000	1628.000	122100.000	121600.000	84.270%	5.623
σ		0.266	90.750	0.000	24.640	1172.000	632.700	1.196%	0.409
%RSD		6.882	1.342	0.000	1.513	0.960	0.520	1.419	7.269

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:06:52	4.851	5.011	1736.000	12930.000	13200.000	0.685	10.970	6.122
2	18:07:35	4.608	4.820	1741.000	12940.000	13450.000	0.670	10.370	5.613
3	18:08:18	4.189	4.845	1750.000	13000.000	13360.000	0.729	10.120	5.492
x		4.549	4.892	1742.000	12960.000	13330.000	0.695	10.480	5.743
σ		0.335	0.104	7.226	35.140	124.100	0.031	0.438	0.334
%RSD		7.360	2.124	0.415	0.271	0.931	4.446	4.179	5.822

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:06:52	6.132	8.256	9.025	56.290	4.056	1.869	0.000	815.800
2	18:07:35	5.589	8.634	7.822	56.690	1.162	2.760	0.000	813.100
3	18:08:18	5.461	9.101	6.181	55.410	-1.003	1.567	0.000	816.800
x		5.727	8.664	7.676	56.130	1.405	2.065	0.000	815.200
σ		0.356	0.423	1.427	0.657	2.538	0.620	0.000	1.912
%RSD		6.222	4.884	18.600	1.170	180.700	30.020	0.000	0.235

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:06:52	82.437%	18.540	18.520	83.400%	-0.026	-0.012	0.077	-0.120
2	18:07:35	85.750%	17.870	18.480	87.393%	-0.015	-0.010	-0.105	-0.141
3	18:08:18	86.457%	18.170	18.850	89.160%	-0.016	-0.010	-0.147	-0.129
x		84.882%	18.190	18.620	86.651%	-0.019	-0.011	-0.058	-0.130
σ		2.146%	0.334	0.204	2.951%	0.006	0.001	0.119	0.010
%RSD		2.529	1.839	1.094	3.405	31.830	10.700	204.200	7.963

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:06:52	83.310%	18.420	0.409	0.418	602.700	595.400	87.322%	87.446%
2	18:07:35	86.699%	16.180	0.440	0.346	598.200	589.900	90.296%	90.781%
3	18:08:18	90.012%	14.030	0.352	0.369	591.000	585.500	92.642%	92.878%
x		86.674%	16.210	0.400	0.378	597.300	590.300	90.087%	90.368%
σ		3.351%	2.193	0.044	0.037	5.864	4.943	2.666%	2.739%
%RSD		3.866	13.530	11.090	9.795	0.982	0.837	2.960	3.031

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:06:52	0.089	0.085	0.271	0.356	0.321	84.061%
2	18:07:35	0.038	0.055	0.255	0.283	0.272	88.672%
3	18:08:18	0.026	0.034	0.261	0.211	0.241	90.432%
x		0.051	0.058	0.263	0.283	0.278	87.722%
σ		0.034	0.026	0.008	0.072	0.041	3.290%
%RSD		66.610	44.450	3.072	25.550	14.560	3.751

180-13503-J-4-A 9/6/2012 6:10:28 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:11:11	101.189%	-0.009	25.330	26.140	0.000	65820.000	35670.000	31290.000
2	18:11:54	100.920%	0.005	21.620	25.030	0.000	65720.000	34650.000	32540.000
3	18:12:37	101.191%	0.048	23.370	27.380	0.000	65930.000	34780.000	36030.000
x		101.100%	0.014	23.440	26.190	0.000	65820.000	35040.000	33280.000
σ		0.156%	0.030	1.857	1.177	0.000	109.200	556.900	2457.000
%RSD		0.154	206.400	7.921	4.493	0.000	0.166	1.589	7.381

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:11:11	2.844	7543.000	0.000	2083.000	82330.000	74180.000	86.981%	2.691
2	18:11:54	3.283	7648.000	0.000	2136.000	82550.000	75050.000	89.146%	2.371
3	18:12:37	2.930	7690.000	0.000	2144.000	82250.000	74680.000	90.261%	2.175
x		3.019	7627.000	0.000	2121.000	82380.000	74630.000	88.796%	2.413
σ		0.233	75.740	0.000	33.480	154.200	434.300	1.668%	0.260
%RSD		7.714	0.993	0.000	1.578	0.187	0.582	1.878	10.790

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:11:11	7.698	6.565	2411.000	21.580	680.600	7.089	17.090	4.851
2	18:11:54	5.528	6.856	2393.000	17.750	668.800	7.040	16.610	4.924
3	18:12:37	4.714	6.900	2395.000	18.780	655.800	7.157	17.360	4.525
x		5.980	6.774	2400.000	19.370	668.400	7.096	17.020	4.766
σ		1.542	0.182	9.704	1.986	12.390	0.059	0.380	0.212
%RSD		25.790	2.686	0.404	10.260	1.854	0.829	2.232	4.455

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:11:11	4.938	30.390	31.680	0.988	-4.829	-0.300	0.000	390.200
2	18:11:54	4.924	32.280	31.040	1.493	-4.299	3.240	0.000	388.000
3	18:12:37	4.236	32.010	31.310	1.960	-4.742	1.873	0.000	386.200
x		4.699	31.560	31.340	1.480	-4.623	1.604	0.000	388.200
σ		0.401	1.024	0.322	0.486	0.284	1.785	0.000	1.988
%RSD		8.536	3.246	1.027	32.850	6.147	111.300	0.000	0.512

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:11:11	86.861%	1.364	1.303	87.805%	-0.026	-0.016	0.321	0.301
2	18:11:54	89.677%	1.277	1.310	91.573%	-0.008	-0.016	0.184	0.218
3	18:12:37	91.082%	1.212	1.276	92.937%	-0.017	-0.016	0.293	0.310
x		89.207%	1.284	1.296	90.772%	-0.017	-0.016	0.266	0.276
σ		2.149%	0.077	0.018	2.658%	0.009	0.000	0.072	0.051
%RSD		2.409	5.973	1.389	2.928	52.790	1.811	27.280	18.430

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:11:11	89.379%	10.680	0.102	0.159	103.800	104.300	89.259%	90.510%
2	18:11:54	92.967%	9.688	0.170	0.156	105.400	103.600	92.642%	93.921%
3	18:12:37	93.463%	8.714	0.122	0.140	106.400	105.700	94.866%	95.626%
x		91.936%	9.695	0.131	0.152	105.200	104.500	92.256%	93.353%
σ		2.228%	0.985	0.035	0.010	1.298	1.089	2.824%	2.605%
%RSD		2.424	10.160	26.500	6.555	1.234	1.041	3.061	2.791

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:11:11	0.001	0.015	0.237	0.266	0.242	86.675%
2	18:11:54	-0.006	0.003	0.215	0.213	0.200	90.792%
3	18:12:37	-0.002	0.028	0.223	0.185	0.203	92.136%
x		-0.002	0.016	0.225	0.221	0.215	89.868%
σ		0.003	0.012	0.011	0.041	0.024	2.845%
%RSD		156.300	78.490	4.968	18.540	10.950	3.166

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:15:31	92.593%	-0.003	44.900	47.410	0.000	50670.000	18890.000	19870.000
2	18:16:14	93.647%	0.074	41.260	48.510	0.000	50700.000	18740.000	19860.000
3	18:16:57	94.181%	0.042	45.600	50.190	0.000	50310.000	18660.000	19820.000
x		93.474%	0.037	43.920	48.700	0.000	50560.000	18760.000	19850.000
σ		0.808%	0.038	2.331	1.401	0.000	218.000	115.800	24.670
%RSD		0.864	102.600	5.307	2.876	0.000	0.431	0.617	0.124

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:15:31	1.763	9441.000	0.000	6017.000	157700.000	159100.000	82.283%	8.566
2	18:16:14	1.216	9596.000	0.000	6179.000	160600.000	160500.000	83.014%	9.491
3	18:16:57	1.375	9646.000	0.000	6267.000	162200.000	159900.000	83.254%	9.253
x		1.451	9561.000	0.000	6154.000	160200.000	159800.000	82.850%	9.103
σ		0.281	107.300	0.000	126.700	2287.000	663.400	0.506%	0.480
%RSD		19.380	1.122	0.000	2.058	1.428	0.415	0.610	5.277

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:15:31	3.370	4.562	3907.000	74390.000	72000.000	1.297	2.409	4.499
2	18:16:14	3.891	4.552	3941.000	75440.000	73360.000	1.311	1.887	4.164
3	18:16:57	3.647	4.337	3939.000	75560.000	73730.000	1.379	2.071	4.043
x		3.636	4.484	3929.000	75130.000	73030.000	1.329	2.122	4.235
σ		0.261	0.127	19.060	645.900	912.700	0.044	0.265	0.236
%RSD		7.172	2.841	0.485	0.860	1.250	3.298	12.460	5.580

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:15:31	4.596	8.248	8.310	27.100	-1.098	3.456	0.000	1086.000
2	18:16:14	4.246	8.474	8.929	24.240	-3.326	1.379	0.000	1087.000
3	18:16:57	4.272	9.211	8.472	24.980	-2.867	3.978	0.000	1092.000
x		4.371	8.644	8.570	25.440	-2.430	2.938	0.000	1088.000
σ		0.195	0.504	0.321	1.483	1.176	1.375	0.000	3.292
%RSD		4.456	5.826	3.747	5.832	48.400	46.790	0.000	0.302

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:15:31	82.879%	2.253	2.202	83.715%	-0.009	-0.009	0.136	0.176
2	18:16:14	84.611%	2.113	2.291	86.554%	-0.018	-0.001	0.027	0.101
3	18:16:57	85.366%	1.858	1.959	88.343%	-0.013	-0.019	0.407	0.352
x		84.285%	2.075	2.151	86.204%	-0.013	-0.010	0.190	0.210
σ		1.275%	0.200	0.172	2.334%	0.005	0.009	0.196	0.129
%RSD		1.513	9.647	7.983	2.707	35.010	88.000	103.000	61.540

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:15:31	84.374%	6.301	0.131	0.203	143.700	140.500	85.864%	86.324%
2	18:16:14	87.216%	5.836	0.164	0.244	137.900	138.800	89.931%	90.236%
3	18:16:57	88.566%	5.729	0.150	0.200	140.700	140.900	90.036%	90.971%
x		86.719%	5.955	0.148	0.216	140.700	140.100	88.610%	89.177%
σ		2.140%	0.304	0.017	0.024	2.895	1.105	2.379%	2.498%
%RSD		2.467	5.111	11.250	11.310	2.057	0.789	2.685	2.801

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:15:31	-0.017	-0.011	0.215	0.236	0.232	85.770%
2	18:16:14	-0.007	-0.012	0.180	0.175	0.213	89.650%
3	18:16:57	-0.018	-0.002	0.165	0.197	0.185	90.457%
x		-0.014	-0.008	0.187	0.203	0.210	88.626%
σ		0.006	0.005	0.026	0.031	0.024	2.506%
%RSD		44.500	64.390	13.890	15.270	11.390	2.827

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:19:52	96.692%	-0.006	49.880	49.340	0.000	97710.000	24810.000	26430.000
2	18:20:35	98.999%	0.021	47.600	49.840	0.000	96760.000	20440.000	26840.000
3	18:21:18	99.471%	-0.023	49.540	51.930	0.000	96400.000	21990.000	26970.000
x		98.387%	-0.003	49.010	50.370	0.000	96950.000	22410.000	26750.000
σ		1.487%	0.022	1.229	1.375	0.000	675.100	2217.000	281.000
%RSD		1.512	810.100	2.509	2.730	0.000	0.696	9.891	1.051

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:19:52	0.961	4146.000	0.000	2203.000	138300.000	138000.000	86.924%	4.305
2	18:20:35	0.788	4176.000	0.000	2262.000	140900.000	137700.000	88.517%	3.195
3	18:21:18	0.623	4175.000	0.000	2237.000	140400.000	137700.000	89.503%	2.964
x		0.791	4166.000	0.000	2234.000	139800.000	137800.000	88.315%	3.488
σ		0.169	17.090	0.000	29.880	1380.000	197.200	1.301%	0.717
%RSD		21.350	0.410	0.000	1.338	0.987	0.143	1.473	20.540

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:19:52	7.041	5.877	1972.000	42.170	1120.000	4.660	8.132	5.054
2	18:20:35	6.296	6.124	2004.000	23.090	1078.000	4.502	7.919	5.028
3	18:21:18	5.118	5.977	1960.000	17.810	1078.000	4.927	8.301	4.729
x		6.152	5.993	1979.000	27.690	1092.000	4.697	8.117	4.937
σ		0.970	0.125	22.720	12.810	24.230	0.215	0.191	0.180
%RSD		15.760	2.078	1.148	46.270	2.220	4.570	2.354	3.652

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:19:52	5.490	12.600	12.890	2.335	-2.175	3.504	0.000	669.900
2	18:20:35	5.354	13.660	12.800	2.124	-6.438	2.297	0.000	674.000
3	18:21:18	5.318	11.880	13.390	2.701	-5.302	2.172	0.000	669.200
x		5.387	12.710	13.030	2.387	-4.639	2.657	0.000	671.000
σ		0.090	0.900	0.315	0.292	2.208	0.736	0.000	2.591
%RSD		1.676	7.075	2.419	12.240	47.590	27.680	0.000	0.386

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:19:52	87.656%	1.370	1.141	88.204%	-0.007	-0.016	0.127	0.111
2	18:20:35	89.454%	1.385	1.122	91.820%	-0.027	-0.008	0.049	0.113
3	18:21:18	90.655%	1.335	1.415	91.955%	-0.024	-0.000	0.052	0.015
x		89.255%	1.364	1.226	90.660%	-0.019	-0.008	0.076	0.080
σ		1.509%	0.026	0.164	2.127%	0.011	0.008	0.044	0.056
%RSD		1.691	1.880	13.370	2.347	54.370	93.650	58.500	70.030

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:19:52	88.792%	5.397	0.144	0.149	177.100	176.300	89.545%	90.435%
2	18:20:35	92.952%	5.402	0.120	0.163	181.100	176.300	92.875%	94.554%
3	18:21:18	94.453%	5.068	0.131	0.108	177.900	176.200	94.421%	94.833%
x		92.066%	5.289	0.132	0.140	178.700	176.300	92.281%	93.274%
σ		2.933%	0.192	0.012	0.028	2.107	0.110	2.492%	2.463%
%RSD		3.185	3.621	9.014	20.310	1.179	0.062	2.700	2.640

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:19:52	-0.005	0.000	0.156	0.201	0.193	86.147%
2	18:20:35	-0.016	-0.012	0.145	0.147	0.157	90.079%
3	18:21:18	-0.022	-0.018	0.136	0.143	0.170	91.848%
x		-0.014	-0.010	0.146	0.164	0.174	89.358%
σ		0.009	0.009	0.010	0.032	0.018	2.918%
%RSD		62.480	95.530	6.816	19.600	10.410	3.265

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:24:12	96.720%	0.009	43.340	48.360	0.000	70790.000	36500.000	37800.000
2	18:24:55	97.762%	0.052	46.950	49.100	0.000	70310.000	35530.000	37360.000
3	18:25:38	97.828%	0.052	49.070	46.610	0.000	71030.000	35810.000	38000.000
x		97.437%	0.037	46.460	48.020	0.000	70710.000	35950.000	37720.000
σ		0.621%	0.025	2.895	1.279	0.000	367.800	501.200	326.600
%RSD		0.638	66.860	6.232	2.663	0.000	0.520	1.394	0.866

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:24:12	0.775	3860.000	0.000	1507.000	100700.000	90900.000	87.311%	2.819
2	18:24:55	0.795	3853.000	0.000	1521.000	100400.000	97890.000	89.034%	2.373
3	18:25:38	0.665	3925.000	0.000	1553.000	102100.000	99540.000	88.933%	1.823
x		0.745	3880.000	0.000	1527.000	101100.000	96110.000	88.426%	2.338
σ		0.070	39.610	0.000	23.530	931.400	4591.000	0.967%	0.499
%RSD		9.395	1.021	0.000	1.541	0.922	4.777	1.094	21.340

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:24:12	7.173	7.295	236.300	87.860	884.900	0.711	4.125	3.330
2	18:24:55	6.300	7.167	235.600	84.410	849.900	0.728	3.372	3.382
3	18:25:38	5.528	7.527	239.500	87.360	857.900	0.695	3.804	3.178
x		6.334	7.330	237.100	86.540	864.300	0.712	3.767	3.297
σ		0.823	0.183	2.087	1.865	18.320	0.016	0.378	0.106
%RSD		13.000	2.493	0.880	2.154	2.119	2.305	10.040	3.224

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:24:12	3.523	4.939	6.255	2.240	-5.375	2.803	0.000	497.400
2	18:24:55	3.701	5.917	5.748	2.878	-8.498	0.927	0.000	495.500
3	18:25:38	3.429	6.189	6.011	0.559	-4.975	5.030	0.000	500.700
x		3.551	5.682	6.005	1.892	-6.283	2.920	0.000	497.900
σ		0.138	0.657	0.253	1.198	1.929	2.054	0.000	2.644
%RSD		3.895	11.560	4.219	63.300	30.700	70.350	0.000	0.531

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:24:12	88.426%	0.486	0.486	88.323%	-0.021	-0.021	-0.088	-0.070
2	18:24:55	90.608%	0.471	0.445	92.140%	-0.019	-0.024	0.104	0.044
3	18:25:38	90.868%	0.453	0.432	92.817%	-0.014	-0.006	0.028	0.034
x		89.967%	0.470	0.455	91.093%	-0.018	-0.017	0.015	0.003
σ		1.341%	0.017	0.028	2.423%	0.004	0.010	0.097	0.063
%RSD		1.491	3.561	6.248	2.660	20.250	57.580	643.000	2287.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:24:12	89.795%	4.184	0.093	0.114	133.500	131.800	90.209%	90.906%
2	18:24:55	91.810%	4.168	0.102	0.129	132.600	130.500	94.291%	93.803%
3	18:25:38	94.498%	4.347	0.077	0.098	130.000	130.500	94.667%	95.404%
x		92.035%	4.233	0.090	0.114	132.000	130.900	93.056%	93.371%
σ		2.360%	0.099	0.013	0.016	1.821	0.704	2.472%	2.280%
%RSD		2.564	2.340	13.980	13.710	1.379	0.538	2.657	2.442

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:24:12	-0.018	-0.022	0.158	0.178	0.183	86.358%
2	18:24:55	-0.024	-0.013	0.124	0.186	0.152	89.831%
3	18:25:38	-0.008	-0.018	0.124	0.113	0.123	90.942%
x		-0.016	-0.018	0.135	0.159	0.153	89.044%
σ		0.008	0.005	0.020	0.040	0.030	2.391%
%RSD		48.690	25.190	14.700	25.220	19.430	2.685

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:28:31	99.894%	0.006	0.643	0.806	0.000	30.370	4.660	5.585
2	18:29:15	100.775%	0.048	-0.202	0.217	0.000	29.170	5.002	4.598
3	18:29:57	100.757%	-0.024	-0.317	-0.001	0.000	31.240	5.496	7.870
x		100.475%	0.010	0.041	0.341	0.000	30.260	5.053	6.018
σ		0.503%	0.036	0.524	0.418	0.000	1.037	0.420	1.678
%RSD		0.501	354.700	1271.000	122.600	0.000	3.426	8.314	27.890

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:28:31	0.591	28.520	0.000	58.300	43.370	46.210	87.990%	2.296
2	18:29:15	0.638	28.420	0.000	57.770	49.850	48.400	87.819%	1.989
3	18:29:57	1.135	27.680	0.000	58.360	27.440	48.890	87.864%	2.857
x		0.788	28.210	0.000	58.140	40.220	47.830	87.891%	2.380
σ		0.301	0.459	0.000	0.323	11.530	1.429	0.089%	0.440
%RSD		38.260	1.628	0.000	0.555	28.670	2.986	0.101	18.490

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:28:31	7.098	7.723	0.523	18.940	35.000	0.008	0.008	2.773
2	18:29:15	7.854	7.307	0.549	13.590	23.360	0.018	0.005	2.985
3	18:29:57	7.124	7.104	0.644	13.220	33.160	-0.008	0.027	2.918
x		7.358	7.378	0.572	15.250	30.500	0.006	0.013	2.892
σ		0.429	0.315	0.064	3.202	6.253	0.013	0.012	0.108
%RSD		5.833	4.273	11.180	21.000	20.500	224.000	87.690	3.750

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:28:31	3.151	4.382	5.253	0.328	-2.643	-0.229	0.000	0.107
2	18:29:15	2.537	4.829	5.036	2.632	-4.924	2.845	0.000	0.093
3	18:29:57	2.734	4.785	4.866	2.567	-5.425	1.214	0.000	0.088
x		2.808	4.665	5.052	1.842	-4.331	1.277	0.000	0.096
σ		0.314	0.246	0.194	1.312	1.483	1.538	0.000	0.010
%RSD		11.160	5.279	3.835	71.190	34.240	120.400	0.000	10.490

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:28:31	86.900%	0.280	0.188	91.274%	-0.016	-0.022	-0.019	0.009
2	18:29:15	89.477%	0.280	0.211	93.260%	-0.017	-0.003	0.084	0.072
3	18:29:57	88.480%	0.290	0.212	93.401%	-0.022	-0.024	-0.123	-0.087
x		88.286%	0.283	0.204	92.645%	-0.018	-0.016	-0.020	-0.002
σ		1.299%	0.005	0.014	1.189%	0.003	0.012	0.103	0.080
%RSD		1.471	1.930	6.680	1.284	17.330	70.640	530.200	3634.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:28:31	90.061%	2.682	0.053	0.049	-0.008	0.068	90.524%	91.556%
2	18:29:15	92.927%	2.710	0.103	0.096	-0.009	0.043	92.653%	92.959%
3	18:29:57	92.580%	2.724	0.084	0.065	0.030	0.050	93.156%	93.037%
x		91.856%	2.705	0.080	0.070	0.004	0.053	92.111%	92.518%
σ		1.564%	0.022	0.026	0.024	0.023	0.013	1.397%	0.834%
%RSD		1.703	0.801	31.920	34.430	551.100	24.320	1.517	0.901

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:28:31	-0.021	-0.034	0.169	0.128	0.127	89.671%
2	18:29:15	-0.031	-0.029	0.114	0.052	0.097	93.474%
3	18:29:57	-0.019	-0.027	0.028	0.089	0.086	93.369%
x		-0.024	-0.030	0.104	0.089	0.104	92.171%
σ		0.006	0.004	0.071	0.038	0.021	2.166%
%RSD		26.760	12.640	68.920	42.700	20.400	2.350

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:32:49	92.695%	-0.019	29.240	27.580	0.000	137200.000	17020.000	30070.000
2	18:33:33	95.516%	-0.021	25.760	26.360	0.000	134600.000	13360.000	28740.000
3	18:34:16	94.331%	-0.020	26.700	25.670	0.000	135600.000	17550.000	30040.000
x		94.180%	-0.020	27.240	26.540	0.000	135800.000	15980.000	29620.000
σ		1.417%	0.001	1.801	0.963	0.000	1331.000	2278.000	756.200
%RSD		1.504	4.488	6.611	3.630	0.000	0.980	14.260	2.553

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:32:49	0.591	4019.000	0.000	1408.000	123700.000	122100.000	85.667%	2.477
2	18:33:33	3.404	4019.000	0.000	1425.000	122800.000	121400.000	87.022%	2.094
3	18:34:16	0.720	4063.000	0.000	1452.000	125500.000	122100.000	87.249%	2.256
x		1.572	4034.000	0.000	1429.000	124000.000	121900.000	86.646%	2.276
σ		1.588	25.630	0.000	22.420	1394.000	379.800	0.855%	0.192
%RSD		101.000	0.635	0.000	1.570	1.124	0.312	0.987	8.454

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:32:49	4.176	7.152	1440.000	20.950	990.600	1.869	3.173	3.839
2	18:33:33	4.128	6.594	1444.000	18.030	961.000	1.701	2.901	3.404
3	18:34:16	5.017	6.617	1448.000	19.060	967.900	1.627	2.850	3.479
x		4.440	6.788	1444.000	19.350	973.200	1.732	2.975	3.574
σ		0.500	0.316	4.031	1.478	15.470	0.124	0.174	0.233
%RSD		11.260	4.649	0.279	7.641	1.589	7.147	5.842	6.507

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:32:49	3.592	6.429	6.889	0.473	-2.808	1.835	0.000	704.200
2	18:33:33	3.539	5.979	5.955	1.445	-4.259	1.037	0.000	701.600
3	18:34:16	3.470	6.359	5.546	3.039	-5.143	1.877	0.000	704.700
x		3.534	6.256	6.130	1.653	-4.070	1.583	0.000	703.500
σ		0.061	0.242	0.689	1.295	1.179	0.473	0.000	1.684
%RSD		1.728	3.867	11.230	78.380	28.970	29.910	0.000	0.239

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:32:49	85.761%	0.892	0.991	87.580%	-0.013	-0.007	0.006	-0.012
2	18:33:33	88.798%	0.923	1.100	90.783%	-0.024	-0.011	0.015	-0.016
3	18:34:16	89.490%	1.083	0.983	91.934%	-0.024	-0.016	0.116	0.114
x		88.016%	0.966	1.024	90.099%	-0.020	-0.012	0.046	0.029
σ		1.983%	0.103	0.066	2.256%	0.007	0.004	0.061	0.074
%RSD		2.253	10.620	6.399	2.504	32.440	39.090	134.600	259.200

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:32:49	89.020%	3.172	0.152	0.101	185.900	181.500	88.988%	90.984%
2	18:33:33	92.159%	3.146	0.107	0.111	181.900	180.600	93.133%	93.845%
3	18:34:16	93.114%	2.952	0.103	0.092	181.500	181.700	94.534%	94.678%
x		91.431%	3.090	0.121	0.101	183.100	181.300	92.218%	93.169%
σ		2.142%	0.120	0.027	0.009	2.449	0.557	2.884%	1.938%
%RSD		2.343	3.893	22.690	9.323	1.337	0.307	3.127	2.080

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:32:49	-0.028	-0.014	0.093	0.157	0.105	85.264%
2	18:33:33	-0.007	-0.009	0.134	0.095	0.102	89.688%
3	18:34:16	-0.032	-0.013	0.107	0.099	0.096	90.825%
x		-0.022	-0.012	0.111	0.117	0.101	88.592%
σ		0.014	0.003	0.021	0.035	0.004	2.938%
%RSD		60.170	21.780	18.730	29.560	4.206	3.316

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:37:07	96.607%	0.084	5.154	4.100	0.000	84780.000	4342.000	4520.000
2	18:37:50	96.700%	-0.051	2.842	4.676	0.000	85350.000	4252.000	4531.000
3	18:38:33	93.632%	0.027	3.157	3.567	0.000	86510.000	4252.000	4611.000
x		95.646%	0.020	3.717	4.115	0.000	85550.000	4282.000	4554.000
σ		1.745%	0.068	1.254	0.555	0.000	881.600	52.160	49.700
%RSD		1.824	341.300	33.730	13.490	0.000	1.030	1.218	1.091

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:37:07	3.413	8764.000	0.000	380.500	11860.000	10910.000	83.933%	2.356
2	18:37:50	3.912	8963.000	0.000	393.200	11720.000	10980.000	84.921%	2.267
3	18:38:33	4.195	9132.000	0.000	404.500	12120.000	11170.000	85.117%	2.491
x		3.840	8953.000	0.000	392.700	11900.000	11020.000	84.657%	2.371
σ		0.396	183.900	0.000	11.980	202.100	138.200	0.634%	0.113
%RSD		10.320	2.054	0.000	3.050	1.698	1.254	0.749	4.765

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:37:07	8.965	7.523	15.160	11.640	131.400	0.210	2.795	3.539
2	18:37:50	6.031	7.318	14.970	9.950	119.000	0.223	3.308	3.469
3	18:38:33	5.109	7.011	15.070	8.806	117.500	0.222	3.090	3.361
x		6.702	7.284	15.070	10.130	122.600	0.219	3.064	3.456
σ		2.014	0.258	0.095	1.427	7.651	0.007	0.258	0.090
%RSD		30.050	3.542	0.634	14.080	6.239	3.193	8.407	2.597

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:37:07	3.479	13.650	14.690	1.276	-5.096	-1.165	0.000	74.300
2	18:37:50	3.087	13.840	14.220	2.505	-4.733	2.454	0.000	74.160
3	18:38:33	3.093	14.190	14.700	2.448	-9.095	2.832	0.000	74.250
x		3.220	13.890	14.540	2.076	-6.308	1.374	0.000	74.240
σ		0.224	0.274	0.270	0.694	2.420	2.207	0.000	0.069
%RSD		6.969	1.969	1.855	33.430	38.370	160.700	0.000	0.093

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:37:07	84.982%	0.363	0.489	86.968%	-0.024	-0.021	1.277	1.435
2	18:37:50	86.646%	0.432	0.448	90.678%	-0.032	-0.011	1.371	1.420
3	18:38:33	87.531%	0.325	0.423	91.852%	-0.029	-0.024	1.228	1.158
x		86.386%	0.373	0.453	89.833%	-0.028	-0.019	1.292	1.338
σ		1.295%	0.054	0.034	2.549%	0.004	0.007	0.073	0.156
%RSD		1.499	14.460	7.413	2.838	15.230	38.210	5.634	11.640

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:37:07	87.638%	2.507	0.087	0.080	32.170	32.990	89.126%	89.991%
2	18:37:50	90.987%	2.913	0.106	0.098	33.600	32.850	92.389%	93.645%
3	18:38:33	92.843%	2.587	0.064	0.135	31.890	33.210	93.174%	94.960%
x		90.489%	2.669	0.086	0.104	32.550	33.010	91.563%	92.865%
σ		2.638%	0.215	0.021	0.028	0.917	0.184	2.147%	2.575%
%RSD		2.915	8.054	24.060	26.630	2.816	0.558	2.345	2.772

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:37:07	-0.026	-0.033	0.117	0.148	0.126	92.389%
2	18:37:50	-0.038	-0.032	0.106	0.107	0.118	97.179%
3	18:38:33	-0.044	-0.032	0.070	0.140	0.096	98.320%
x		-0.036	-0.032	0.098	0.132	0.114	95.963%
σ		0.009	0.001	0.025	0.022	0.016	3.147%
%RSD		24.580	1.839	25.110	16.550	13.950	3.280

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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	18:41:25	95.623%	-0.036	34.120	34.550	0.000	69560.000	20040.000	21070.000
2	18:42:08	94.689%	-0.020	33.150	38.350	0.000	69940.000	19900.000	21330.000
3	18:42:51	94.337%	-0.066	33.400	37.820	0.000	70420.000	19840.000	21420.000
x		94.883%	-0.041	33.550	36.910	0.000	69970.000	19920.000	21280.000
σ		0.664%	0.023	0.505	2.059	0.000	430.000	101.900	183.200
%RSD		0.700	57.280	1.504	5.579	0.000	0.615	0.511	0.861

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:25	1.205	5685.000	0.000	1650.000	122600.000	122600.000	84.635%	2.770
2	18:42:08	1.625	5796.000	0.000	1683.000	124700.000	122100.000	86.137%	2.461
3	18:42:51	1.611	5803.000	0.000	1693.000	125000.000	121200.000	86.040%	2.377
x		1.480	5761.000	0.000	1675.000	124100.000	122000.000	85.604%	2.536
σ		0.238	66.450	0.000	22.560	1323.000	686.700	0.840%	0.207
%RSD		16.090	1.153	0.000	1.347	1.066	0.563	0.982	8.180

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:25	4.232	6.315	4691.000	294.100	1273.000	8.459	7.227	3.121
2	18:42:08	9.287	6.107	4662.000	293.000	1236.000	8.380	6.871	3.235
3	18:42:51	3.591	6.167	4654.000	292.600	1228.000	8.285	6.832	3.034
x		5.704	6.196	4669.000	293.200	1246.000	8.375	6.977	3.130
σ		3.120	0.107	19.330	0.747	24.350	0.088	0.218	0.101
%RSD		54.700	1.726	0.414	0.255	1.955	1.045	3.117	3.221

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:25	3.418	74.090	79.110	3.776	-2.562	6.176	0.000	866.100
2	18:42:08	3.024	77.720	74.000	4.172	-5.054	3.316	0.000	868.600
3	18:42:51	2.922	75.000	76.740	2.337	-5.706	3.560	0.000	859.800
x		3.121	75.600	76.610	3.428	-4.441	4.351	0.000	864.900
σ		0.262	1.889	2.557	0.966	1.660	1.586	0.000	4.517
%RSD		8.390	2.498	3.338	28.170	37.370	36.450	0.000	0.522

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:25	85.441%	1.103	1.046	87.772%	-0.026	-0.010	0.150	0.174
2	18:42:08	87.310%	1.139	1.188	90.404%	-0.024	-0.019	0.021	0.050
3	18:42:51	88.452%	0.944	1.008	91.734%	-0.016	-0.003	-0.010	-0.036
x		87.068%	1.062	1.080	89.970%	-0.022	-0.011	0.053	0.063
σ		1.520%	0.103	0.095	2.017%	0.005	0.008	0.085	0.106
%RSD		1.746	9.747	8.799	2.241	23.740	74.840	159.200	168.800

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:25	88.558%	2.382	0.112	0.112	417.500	410.900	89.200%	90.578%
2	18:42:08	92.279%	2.383	0.135	0.174	411.700	406.700	93.220%	93.531%
3	18:42:51	93.137%	2.351	0.128	0.144	408.100	403.800	94.513%	95.105%
x		91.325%	2.372	0.125	0.144	412.400	407.100	92.311%	93.071%
σ		2.434%	0.018	0.012	0.031	4.741	3.535	2.771%	2.299%
%RSD		2.666	0.746	9.259	21.500	1.150	0.868	3.002	2.470

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:25	-0.035	-0.027	0.166	0.155	0.160	87.188%
2	18:42:08	-0.030	-0.019	0.116	0.139	0.137	91.187%
3	18:42:51	-0.037	-0.036	0.086	0.118	0.128	92.607%
x		-0.034	-0.027	0.123	0.137	0.142	90.327%
σ		0.003	0.008	0.040	0.018	0.016	2.810%
%RSD		9.999	30.530	32.890	13.300	11.600	3.111

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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	18:45:44	95.838%	-0.051	38.670	42.090	0.000	113200.000	13590.000	14340.000
2	18:46:27	94.124%	0.088	38.500	42.200	0.000	113500.000	13510.000	14430.000
3	18:47:10	94.278%	-0.005	37.640	41.840	0.000	113800.000	13460.000	14510.000
x		94.747%	0.011	38.270	42.040	0.000	113500.000	13520.000	14430.000
σ		0.948%	0.071	0.552	0.180	0.000	291.100	61.880	84.400
%RSD		1.001	653.900	1.442	0.429	0.000	0.257	0.458	0.585

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:44	1.225	2937.000	0.000	2327.000	53640.000	48410.000	84.616%	1.667
2	18:46:27	1.337	3005.000	0.000	2390.000	54740.000	48900.000	84.400%	1.495
3	18:47:10	0.800	3031.000	0.000	2435.000	53980.000	48950.000	85.466%	1.732
x		1.121	2991.000	0.000	2384.000	54120.000	48750.000	84.827%	1.632
σ		0.283	48.820	0.000	53.910	564.800	296.200	0.564%	0.122
%RSD		25.270	1.632	0.000	2.262	1.044	0.608	0.664	7.499

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:44	3.868	6.573	111.000	212.500	653.900	0.223	0.545	2.659
2	18:46:27	4.735	6.500	112.800	216.100	625.400	0.197	0.767	2.500
3	18:47:10	4.280	6.677	111.400	213.700	615.300	0.216	0.467	2.485
x		4.294	6.584	111.700	214.100	631.500	0.212	0.593	2.548
σ		0.434	0.089	0.967	1.821	20.010	0.014	0.156	0.096
%RSD		10.110	1.352	0.865	0.851	3.169	6.460	26.280	3.782

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:44	2.347	6.191	6.811	2.132	-0.821	4.809	0.000	599.500
2	18:46:27	2.283	6.450	7.876	1.534	-2.320	4.202	0.000	595.700
3	18:47:10	2.056	7.102	6.332	2.408	-3.721	5.540	0.000	592.600
x		2.229	6.581	7.006	2.025	-2.287	4.850	0.000	596.000
σ		0.153	0.470	0.790	0.447	1.450	0.670	0.000	3.451
%RSD		6.853	7.139	11.280	22.060	63.400	13.820	0.000	0.579

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:44	84.873%	1.718	1.609	87.453%	-0.024	-0.016	-0.102	-0.078
2	18:46:27	86.683%	1.713	1.687	89.405%	-0.021	-0.019	-0.091	-0.090
3	18:47:10	88.340%	1.507	1.608	91.409%	-0.024	-0.016	-0.119	-0.083
x		86.632%	1.646	1.635	89.423%	-0.023	-0.017	-0.104	-0.084
σ		1.734%	0.121	0.045	1.978%	0.002	0.002	0.014	0.006
%RSD		2.002	7.320	2.773	2.212	6.756	9.589	13.620	7.579

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:44	88.405%	1.810	0.077	0.127	91.480	88.160	88.786%	90.462%
2	18:46:27	90.995%	2.015	0.120	0.141	88.560	89.440	91.257%	91.728%
3	18:47:10	92.387%	2.066	0.082	0.125	90.000	86.350	92.878%	93.431%
x		90.596%	1.964	0.093	0.131	90.010	87.980	90.974%	91.873%
σ		2.021%	0.136	0.023	0.009	1.462	1.551	2.060%	1.490%
%RSD		2.230	6.903	25.250	6.769	1.624	1.762	2.265	1.621

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:44	-0.048	-0.040	0.082	0.119	0.090	87.000%
2	18:46:27	-0.044	-0.023	0.065	0.081	0.065	89.436%
3	18:47:10	-0.049	-0.026	0.052	0.069	0.053	91.312%
x		-0.047	-0.029	0.066	0.090	0.069	89.250%
σ		0.002	0.009	0.015	0.026	0.019	2.162%
%RSD		5.117	30.590	22.630	29.030	26.800	2.422

CCV 526714 9/6/2012 6:52:15 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	18:52:57	84.824%	107.800	97.050	97.320	0.000	50570.000	45450.000	46350.000
2	18:53:40	85.586%	105.200	92.710	101.500	0.000	50550.000	44710.000	46410.000
3	18:54:23	85.384%	107.100	104.700	107.000	0.000	50780.000	44870.000	46410.000
x		85.265%	106.705%	98.149%	101.935%	0.000	101.270%	90.025%	92.780%
σ		0.395%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.463	1.297	6.182	4.736	0.000	0.248	0.860	0.080

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:52:57	473.600	5022.000	0.000	53730.000	50630.000	46580.000	87.559%	91.230
2	18:53:40	480.800	5111.000	0.000	54750.000	51200.000	47210.000	88.019%	95.920
3	18:54:23	482.300	5071.000	0.000	54720.000	51840.000	47230.000	88.343%	92.710
x		95.780%	101.360%	0.000	108.800%	102.450%	94.012%	87.974%	93.287%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.394%	n/a
%RSD		0.976	0.876	0.000	1.065	1.183	0.788	0.448	2.573

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:52:57	92.940	95.790	477.800	25270.000	24310.000	99.210	103.700	102.900
2	18:53:40	92.630	94.470	480.100	25360.000	24480.000	98.810	101.700	103.800
3	18:54:23	91.990	95.450	476.600	25360.000	24620.000	100.500	100.900	102.700
x		92.521%	95.236%	95.628%	101.317%	97.870%	99.495%	102.101%	103.129%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.525	0.721	0.370	0.193	0.646	0.868	1.427	0.577

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:52:57	103.000	105.400	107.500	101.000	97.050	96.330	0.000	98.110
2	18:53:40	103.300	106.100	107.800	100.200	97.000	94.780	0.000	96.370
3	18:54:23	104.100	106.500	106.400	102.000	90.940	106.200	0.000	96.540
x		103.453%	105.985%	107.246%	101.071%	94.998%	99.102%	0.000	97.004%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.532	0.557	0.659	0.918	3.702	6.248	0.000	0.987

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:52:57	87.677%	92.300	93.920	88.523%	98.250	98.110	96.510	96.960
2	18:53:40	90.441%	95.870	97.740	91.310%	98.180	97.790	99.070	98.340
3	18:54:23	90.558%	98.680	99.960	91.848%	98.100	98.170	98.270	98.610
x		89.559%	95.616%	97.210%	90.560%	98.175%	98.023%	97.948%	97.970%
σ		1.631%	n/a	n/a	1.785%	n/a	n/a	n/a	n/a
%RSD		1.821	3.347	3.142	1.971	0.076	0.209	1.335	0.905

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:52:57	90.022%	95.150	97.390	95.450	97.650	95.130	92.026%	91.441%
2	18:53:40	93.041%	94.380	97.000	98.160	96.370	96.060	94.825%	94.919%
3	18:54:23	93.721%	95.930	97.270	96.930	94.440	95.970	94.866%	95.831%
x		92.261%	95.155%	97.220%	96.844%	96.155%	95.719%	93.906%	94.064%
σ		1.969%	n/a	n/a	n/a	n/a	n/a	1.628%	2.317%
%RSD		2.134	0.817	0.204	1.402	1.684	0.533	1.734	2.463

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:52:57	97.000	98.150	99.300	99.020	99.060	88.424%
2	18:53:40	97.790	97.960	99.250	97.870	98.840	91.319%
3	18:54:23	98.480	99.140	99.610	98.620	99.000	92.319%
x		97.754%	98.419%	99.387%	98.501%	98.966%	90.687%
σ		n/a	n/a	n/a	n/a	n/a	2.023%
%RSD		0.756	0.646	0.199	0.590	0.116	2.230

CCB5 9/6/2012 7:00:14 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	19:00:57	92.631%	-0.020	-1.945	-1.221	0.000	11.940	6.928	6.656
2	19:01:40	95.024%	0.039	-1.509	-2.046	0.000	11.200	4.539	6.065
3	19:02:23	95.415%	-0.006	-0.802	-1.724	0.000	11.040	5.285	7.050
x		94.357%	0.004	-1.419	-1.664	0.000	11.390	5.584	6.591
σ		1.507%	0.031	0.577	0.416	0.000	0.478	1.222	0.496
%RSD		1.598	714.100	40.630	25.010	0.000	4.194	21.890	7.524

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:00:57	1.222	3.738	0.000	40.090	8.644	10.330	99.759%	0.099
2	19:01:40	1.118	4.790	0.000	38.700	25.000	9.019	101.533%	-0.053
3	19:02:23	1.160	3.925	0.000	37.130	13.470	12.340	102.909%	-0.103
x		1.167	4.151	0.000	38.640	15.700	10.560	101.400%	-0.019
σ		0.052	0.561	0.000	1.479	8.407	1.674	1.579%	0.105
%RSD		4.452	13.510	0.000	3.828	53.530	15.850	1.557	552.700

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:00:57	0.168	0.051	0.114	-11.560	35.280	0.002	-0.127	0.490
2	19:01:40	0.312	-0.009	0.138	-17.040	36.620	0.009	-0.132	0.672
3	19:02:23	0.258	-0.078	0.133	-18.620	25.100	0.010	-0.194	0.491
x		0.246	-0.012	0.128	-15.740	32.330	0.007	-0.151	0.551
σ		0.073	0.065	0.013	3.703	6.299	0.005	0.038	0.105
%RSD		29.710	525.200	10.030	23.520	19.480	66.880	24.940	19.000

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:00:57	0.656	-0.466	-0.382	0.081	-5.061	0.022	0.000	0.098
2	19:01:40	0.727	-0.375	-0.307	0.386	-5.583	-0.249	0.000	0.089
3	19:02:23	0.440	-0.563	-0.374	-0.694	-8.493	-1.082	0.000	0.092
x		0.608	-0.468	-0.354	-0.076	-6.379	-0.436	0.000	0.093
σ		0.149	0.094	0.041	0.557	1.849	0.575	0.000	0.005
%RSD		24.600	20.050	11.570	733.200	28.990	131.900	0.000	5.009

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:00:57	96.363%	0.613	0.615	93.389%	0.012	-0.006	0.055	0.024
2	19:01:40	99.490%	0.647	0.577	97.290%	0.013	-0.009	0.043	0.018
3	19:02:23	100.613%	0.373	0.429	98.650%	-0.008	-0.002	0.095	0.081
x		98.822%	0.544	0.540	96.443%	0.006	-0.006	0.064	0.041
σ		2.202%	0.149	0.098	2.731%	0.012	0.004	0.027	0.035
%RSD		2.228	27.420	18.130	2.831	208.800	62.550	42.340	84.630

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:00:57	93.737%	0.075	0.058	0.025	0.042	0.057	93.550%	93.749%
2	19:01:40	97.053%	-0.005	0.053	0.048	0.014	0.075	96.178%	96.018%
3	19:02:23	99.533%	0.040	0.046	0.053	0.013	0.024	96.960%	98.369%
x		96.774%	0.036	0.052	0.042	0.023	0.052	95.563%	96.045%
σ		2.908%	0.040	0.006	0.015	0.017	0.026	1.786%	2.310%
%RSD		3.005	110.200	11.510	34.630	71.150	49.990	1.869	2.405

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:00:57	-0.032	-0.029	0.291	0.260	0.272	105.537%
2	19:01:40	-0.035	-0.018	0.228	0.226	0.215	110.367%
3	19:02:23	-0.020	-0.029	0.203	0.154	0.203	110.910%
x		-0.029	-0.025	0.241	0.213	0.230	108.938%
σ		0.008	0.006	0.045	0.054	0.037	2.958%
%RSD		27.560	24.190	18.790	25.220	16.040	2.715

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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	19:05:18	90.549%	-0.001	17.840	18.400	0.000	99360.000	18490.000	19360.000
2	19:06:01	92.107%	0.045	15.970	16.680	0.000	98650.000	18090.000	19300.000
3	19:06:44	91.551%	0.188	18.210	17.720	0.000	99360.000	18240.000	19570.000
x		91.403%	0.077	17.340	17.600	0.000	99120.000	18270.000	19410.000
σ		0.790%	0.099	1.203	0.868	0.000	409.400	203.300	145.100
%RSD		0.864	127.800	6.939	4.929	0.000	0.413	1.113	0.748

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:05:18	0.673	4643.000	0.000	1335.000	74890.000	68740.000	79.897%	3.810
2	19:06:01	0.657	4687.000	0.000	1384.000	75950.000	69350.000	80.792%	3.550
3	19:06:44	0.495	4776.000	0.000	1400.000	77830.000	69650.000	81.612%	3.418
x		0.608	4702.000	0.000	1373.000	76220.000	69240.000	80.767%	3.593
σ		0.098	67.560	0.000	33.940	1490.000	465.300	0.858%	0.199
%RSD		16.140	1.437	0.000	2.472	1.955	0.672	1.062	5.544

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:05:18	3.998	5.372	4936.000	4.867	605.800	1.637	2.956	3.840
2	19:06:01	5.370	5.343	4952.000	-1.029	599.300	1.666	3.232	3.509
3	19:06:44	6.473	5.835	4965.000	-2.244	593.200	1.517	3.041	3.456
x		5.280	5.517	4951.000	0.531	599.400	1.607	3.076	3.602
σ		1.240	0.276	14.240	3.804	6.279	0.079	0.141	0.208
%RSD		23.480	5.003	0.288	716.100	1.048	4.925	4.590	5.784

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:05:18	4.071	7.750	8.787	0.796	1.940	0.134	0.000	434.600
2	19:06:01	3.696	7.755	8.224	2.748	0.091	3.170	0.000	441.100
3	19:06:44	3.350	8.155	8.590	3.607	-3.376	2.214	0.000	433.900
x		3.706	7.887	8.534	2.384	-0.449	1.839	0.000	436.500
σ		0.361	0.232	0.286	1.441	2.699	1.552	0.000	4.002
%RSD		9.734	2.946	3.347	60.430	601.700	84.410	0.000	0.917

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:05:18	80.633%	0.933	0.842	82.460%	-0.003	0.012	0.150	0.189
2	19:06:01	82.390%	0.681	0.706	85.606%	-0.021	-0.004	0.396	0.231
3	19:06:44	85.150%	0.599	0.539	86.913%	-0.026	-0.004	0.224	0.297
x		82.725%	0.738	0.696	84.993%	-0.017	0.001	0.257	0.239
σ		2.277%	0.174	0.152	2.289%	0.012	0.009	0.126	0.055
%RSD		2.752	23.590	21.770	2.693	75.010	905.300	49.220	22.830

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:05:18	83.761%	3.320	0.104	0.142	52.920	53.340	87.021%	87.278%
2	19:06:01	87.439%	2.726	0.099	0.091	53.010	54.110	89.290%	90.132%
3	19:06:44	88.484%	2.443	0.089	0.072	53.180	52.470	90.894%	91.606%
x		86.561%	2.830	0.097	0.102	53.040	53.310	89.068%	89.672%
σ		2.481%	0.447	0.008	0.036	0.131	0.820	1.946%	2.200%
%RSD		2.866	15.810	7.929	35.730	0.246	1.538	2.185	2.454

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:05:18	0.072	0.091	0.203	0.180	0.187	83.953%
2	19:06:01	0.066	0.048	0.096	0.154	0.129	87.744%
3	19:06:44	0.022	0.032	0.115	0.117	0.121	89.427%
x		0.054	0.057	0.138	0.150	0.146	87.041%
σ		0.027	0.031	0.057	0.032	0.036	2.804%
%RSD		50.680	53.930	41.230	21.140	24.590	3.221

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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	19:09:40	93.823%	0.181	16.850	20.950	0.000	103500.000	19180.000	20270.000
2	19:10:23	94.678%	-0.020	19.480	21.770	0.000	102900.000	18650.000	20190.000
3	19:11:06	92.416%	-0.066	18.460	20.290	0.000	103200.000	18640.000	20230.000
x		93.639%	0.032	18.260	21.010	0.000	103200.000	18830.000	20230.000
σ		1.142%	0.132	1.327	0.739	0.000	325.900	309.800	42.210
%RSD		1.220	411.200	7.266	3.520	0.000	0.316	1.646	0.209

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:09:40	0.463	4912.000	0.000	1371.000	78360.000	70050.000	82.455%	3.087
2	19:10:23	0.201	4956.000	0.000	1399.000	79980.000	71420.000	83.719%	2.713
3	19:11:06	0.231	5026.000	0.000	1417.000	80060.000	71130.000	84.130%	2.697
x		0.298	4965.000	0.000	1396.000	79470.000	70870.000	83.435%	2.832
σ		0.143	57.590	0.000	23.460	960.900	717.900	0.873%	0.221
%RSD		47.980	1.160	0.000	1.681	1.209	1.013	1.047	7.787

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:09:40	7.188	5.731	4651.000	-2.514	622.700	1.612	3.229	3.041
2	19:10:23	4.767	5.757	4633.000	-4.188	613.300	1.611	3.142	2.911
3	19:11:06	4.898	5.401	4641.000	-3.112	595.600	1.502	3.027	3.079
x		5.618	5.630	4642.000	-3.272	610.500	1.575	3.133	3.010
σ		1.362	0.199	8.822	0.848	13.790	0.063	0.101	0.088
%RSD		24.240	3.527	0.190	25.930	2.258	4.016	3.235	2.927

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:09:40	3.280	5.633	5.965	1.135	-3.094	1.463	0.000	445.400
2	19:10:23	3.101	5.925	6.651	1.128	-5.752	-0.559	0.000	445.800
3	19:11:06	2.967	5.540	5.669	0.393	-3.408	1.295	0.000	442.000
x		3.116	5.699	6.095	0.885	-4.085	0.733	0.000	444.400
σ		0.158	0.201	0.504	0.427	1.453	1.122	0.000	2.099
%RSD		5.053	3.521	8.266	48.190	35.570	153.100	0.000	0.472

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:09:40	84.020%	0.506	0.387	86.424%	-0.032	-0.001	0.154	0.176
2	19:10:23	85.978%	0.412	0.359	89.511%	0.000	-0.011	0.080	0.220
3	19:11:06	87.206%	0.477	0.422	90.831%	-0.029	-0.016	0.267	0.242
x		85.735%	0.465	0.389	88.922%	-0.020	-0.009	0.167	0.213
σ		1.607%	0.048	0.031	2.262%	0.018	0.008	0.094	0.034
%RSD		1.874	10.370	8.046	2.544	87.290	79.920	56.180	15.910

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:09:40	86.989%	1.891	0.091	0.099	55.550	56.070	89.366%	90.737%
2	19:10:23	91.981%	1.759	0.087	0.097	54.670	55.270	93.616%	93.388%
3	19:11:06	93.078%	2.021	0.089	0.068	54.620	53.430	92.614%	94.978%
x		90.683%	1.890	0.089	0.088	54.950	54.930	91.866%	93.034%
σ		3.245%	0.131	0.002	0.017	0.523	1.352	2.222%	2.142%
%RSD		3.579	6.912	1.701	19.870	0.952	2.462	2.418	2.303

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:09:40	0.067	0.101	0.181	0.218	0.215	87.399%
2	19:10:23	0.034	0.033	0.098	0.117	0.134	90.368%
3	19:11:06	0.018	0.006	0.061	0.097	0.080	91.880%
x		0.039	0.047	0.113	0.144	0.143	89.882%
σ		0.025	0.049	0.061	0.065	0.068	2.279%
%RSD		62.940	104.700	54.270	44.980	47.580	2.536

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:00	93.627%	0.074	48.650	56.470	0.000	94390.000	10760.000	11350.000
2	19:14:43	90.473%	0.095	50.380	59.940	0.000	95680.000	10680.000	11510.000
3	19:15:27	91.689%	0.061	54.340	59.210	0.000	95030.000	10570.000	11490.000
x		91.930%	0.076	51.130	58.540	0.000	95030.000	10670.000	11450.000
σ		1.591%	0.017	2.914	1.833	0.000	645.300	95.120	85.570
%RSD		1.730	22.250	5.700	3.131	0.000	0.679	0.892	0.747

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:00	1.046	4330.000	0.000	4187.000	67120.000	60500.000	82.411%	2.462
2	19:14:43	0.972	4430.000	0.000	4044.000	67670.000	60510.000	82.631%	2.187
3	19:15:27	0.960	4442.000	0.000	4385.000	69060.000	60850.000	82.310%	2.612
x		0.993	4401.000	0.000	4205.000	67950.000	60620.000	82.451%	2.420
σ		0.046	61.710	0.000	171.500	1000.000	202.600	0.164%	0.216
%RSD		4.659	1.402	0.000	4.077	1.472	0.334	0.199	8.918

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:00	6.376	5.791	486.000	357.800	865.900	0.327	0.306	2.916
2	19:14:43	4.577	5.586	492.000	360.300	883.800	0.359	0.339	2.676
3	19:15:27	2.333	5.542	494.800	364.500	865.700	0.293	0.482	2.977
x		4.429	5.640	490.900	360.900	871.800	0.326	0.376	2.856
σ		2.025	0.133	4.501	3.374	10.380	0.033	0.094	0.160
%RSD		45.730	2.352	0.917	0.935	1.191	10.090	24.990	5.584

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:00	2.984	3.771	3.887	2.580	-2.415	2.877	0.000	1077.000
2	19:14:43	2.298	4.523	4.090	2.186	-4.293	1.312	0.000	1097.000
3	19:15:27	2.467	3.978	3.765	2.691	-4.434	3.630	0.000	1086.000
x		2.583	4.091	3.914	2.485	-3.714	2.606	0.000	1087.000
σ		0.357	0.389	0.165	0.265	1.127	1.182	0.000	9.819
%RSD		13.830	9.499	4.205	10.680	30.350	45.370	0.000	0.903

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:00	84.383%	1.415	1.256	86.280%	-0.010	-0.010	-0.172	-0.128
2	19:14:43	84.652%	1.211	1.169	88.507%	-0.018	-0.002	-0.182	-0.099
3	19:15:27	85.515%	1.153	1.095	88.990%	-0.018	-0.010	-0.204	-0.118
x		84.850%	1.259	1.173	87.926%	-0.016	-0.008	-0.186	-0.115
σ		0.591%	0.138	0.080	1.446%	0.005	0.005	0.016	0.015
%RSD		0.697	10.930	6.832	1.644	32.850	62.650	8.747	12.790

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:00	87.863%	1.407	0.213	0.154	371.800	363.600	89.052%	89.909%
2	19:14:43	90.053%	1.645	0.113	0.114	369.700	365.000	90.026%	92.096%
3	19:15:27	90.627%	1.668	0.169	0.117	372.900	368.000	90.401%	93.333%
x		89.514%	1.573	0.165	0.128	371.500	365.500	89.826%	91.780%
σ		1.459%	0.144	0.050	0.022	1.615	2.229	0.696%	1.734%
%RSD		1.629	9.173	30.320	17.370	0.435	0.610	0.775	1.889

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:00	0.005	-0.005	0.100	0.149	0.116	87.064%
2	19:14:43	0.003	0.008	0.102	0.116	0.111	89.827%
3	19:15:27	-0.014	0.018	0.084	0.116	0.104	91.090%
x		-0.002	0.007	0.095	0.127	0.110	89.327%
σ		0.011	0.011	0.010	0.019	0.006	2.059%
%RSD		627.000	161.300	10.040	15.190	5.361	2.305

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:18:21	91.056%	-0.034	9.094	9.557	0.000	156000.000	24300.000	27580.000
2	19:19:04	92.021%	-0.018	9.843	8.989	0.000	155200.000	25110.000	27700.000
3	19:19:47	93.640%	0.027	7.513	9.182	0.000	153700.000	21800.000	27530.000
x		92.239%	-0.008	8.817	9.243	0.000	155000.000	23730.000	27600.000
σ		1.305%	0.032	1.189	0.289	0.000	1185.000	1727.000	86.450
%RSD		1.415	377.700	13.490	3.128	0.000	0.765	7.275	0.313

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:18:21	3.294	7010.000	0.000	1205.000	74650.000	68220.000	82.932%	1.792
2	19:19:04	3.041	7153.000	0.000	1244.000	77860.000	68420.000	83.767%	1.802
3	19:19:47	3.386	7142.000	0.000	1252.000	76600.000	68810.000	84.231%	1.497
x		3.240	7102.000	0.000	1234.000	76370.000	68480.000	83.643%	1.697
σ		0.178	79.500	0.000	24.960	1618.000	303.700	0.658%	0.173
%RSD		5.507	1.119	0.000	2.023	2.119	0.443	0.787	10.210

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:18:21	5.659	6.545	134.100	27.830	602.000	0.477	2.077	2.652
2	19:19:04	4.799	7.011	137.600	30.510	582.200	0.445	2.122	2.685
3	19:19:47	7.047	6.852	136.800	29.400	591.000	0.480	2.346	2.406
x		5.835	6.803	136.200	29.240	591.700	0.468	2.182	2.581
σ		1.134	0.237	1.828	1.349	9.906	0.019	0.144	0.152
%RSD		19.440	3.483	1.343	4.612	1.674	4.149	6.586	5.901

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:18:21	2.620	6.705	6.445	-0.621	-4.309	1.322	0.000	497.600
2	19:19:04	2.431	7.072	7.531	0.927	-6.156	2.925	0.000	507.400
3	19:19:47	2.309	6.376	6.432	1.157	-6.361	3.395	0.000	497.500
x		2.453	6.718	6.803	0.487	-5.609	2.547	0.000	500.800
σ		0.157	0.348	0.631	0.967	1.130	1.087	0.000	5.722
%RSD		6.387	5.183	9.276	198.400	20.160	42.650	0.000	1.142

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:18:21	85.569%	0.605	0.574	86.762%	-0.024	-0.024	-0.045	-0.005
2	19:19:04	86.126%	0.609	0.706	90.044%	-0.029	-0.019	-0.055	0.015
3	19:19:47	88.748%	0.775	0.621	90.960%	-0.016	-0.022	-0.144	-0.092
x		86.814%	0.663	0.634	89.255%	-0.023	-0.022	-0.081	-0.027
σ		1.697%	0.097	0.067	2.207%	0.007	0.003	0.055	0.057
%RSD		1.955	14.580	10.540	2.473	28.640	12.350	66.960	208.400

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:18:21	87.623%	1.367	0.075	0.124	116.600	112.600	90.930%	90.437%
2	19:19:04	91.781%	1.416	0.108	0.104	115.600	112.900	92.793%	93.832%
3	19:19:47	92.521%	1.376	0.090	0.107	115.500	112.900	94.388%	95.372%
x		90.642%	1.387	0.091	0.112	115.900	112.800	92.704%	93.214%
σ		2.640%	0.026	0.016	0.011	0.569	0.183	1.731%	2.525%
%RSD		2.913	1.894	17.980	9.747	0.491	0.162	1.867	2.708

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:18:21	-0.012	-0.011	0.093	0.159	0.123	87.945%
2	19:19:04	-0.026	-0.029	0.103	0.100	0.098	91.611%
3	19:19:47	-0.007	-0.017	0.077	0.090	0.088	92.633%
x		-0.015	-0.019	0.091	0.116	0.103	90.730%
σ		0.010	0.009	0.013	0.037	0.018	2.465%
%RSD		67.350	46.130	14.640	32.060	17.020	2.717

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:26:19	101.262%	-0.010	-1.399	-1.948	0.000	14.390	4.295	5.496
2	19:27:02	104.477%	-0.012	-2.022	-2.163	0.000	11.410	4.912	3.729
3	19:27:45	101.385%	0.004	-0.609	-1.823	0.000	13.550	4.811	4.766
x		102.375%	-0.006	-1.343	-1.978	0.000	13.120	4.673	4.664
σ		1.821%	0.009	0.708	0.172	0.000	1.538	0.331	0.888
%RSD		1.779	141.500	52.710	8.708	0.000	11.730	7.077	19.040

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:26:19	2.964	6.013	0.000	24.100	40.820	32.360	97.599%	-0.045
2	19:27:02	2.773	5.807	0.000	26.250	40.190	30.070	98.634%	-0.072
3	19:27:45	3.267	6.429	0.000	26.270	34.410	31.190	98.927%	-0.073
x		3.001	6.083	0.000	25.540	38.470	31.210	98.387%	-0.064
σ		0.249	0.317	0.000	1.246	3.534	1.145	0.697%	0.016
%RSD		8.301	5.205	0.000	4.878	9.187	3.669	0.709	24.710

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:26:19	1.155	0.717	0.137	-11.340	23.860	-0.014	-0.028	0.871
2	19:27:02	0.208	0.605	0.158	-14.590	16.600	-0.008	-0.060	0.788
3	19:27:45	0.657	0.636	0.135	-17.290	13.150	-0.004	0.011	0.812
x		0.673	0.652	0.143	-14.410	17.870	-0.009	-0.026	0.823
σ		0.474	0.058	0.012	2.982	5.463	0.005	0.035	0.043
%RSD		70.400	8.897	8.639	20.700	30.570	56.850	136.700	5.185

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:26:19	0.740	0.689	0.511	0.136	-4.986	0.675	0.000	0.090
2	19:27:02	0.981	0.837	0.822	0.047	-6.055	-0.349	0.000	0.100
3	19:27:45	0.751	0.875	1.380	-0.040	-5.541	-0.172	0.000	0.091
x		0.824	0.800	0.905	0.048	-5.527	0.051	0.000	0.093
σ		0.136	0.098	0.440	0.088	0.535	0.548	0.000	0.005
%RSD		16.530	12.270	48.670	184.800	9.672	1064.000	0.000	5.658

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:26:19	91.329%	0.050	0.098	91.184%	-0.029	-0.016	0.117	0.084
2	19:27:02	93.533%	0.026	0.043	94.759%	-0.019	-0.011	-0.037	-0.014
3	19:27:45	94.925%	0.069	0.070	96.183%	-0.017	-0.022	0.026	0.011
x		93.262%	0.048	0.070	94.042%	-0.022	-0.016	0.035	0.027
σ		1.813%	0.022	0.027	2.576%	0.007	0.005	0.077	0.051
%RSD		1.944	44.790	39.060	2.739	29.990	32.160	220.900	187.200

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:26:19	91.525%	1.064	0.015	0.002	0.084	0.157	91.957%	92.552%
2	19:27:02	93.854%	1.192	0.000	-0.002	0.107	0.115	94.907%	95.983%
3	19:27:45	95.196%	1.110	0.008	-0.003	0.054	0.098	95.830%	96.917%
x		93.525%	1.122	0.008	-0.001	0.082	0.123	94.232%	95.151%
σ		1.857%	0.065	0.007	0.002	0.027	0.030	2.023%	2.299%
%RSD		1.986	5.762	93.020	197.400	32.740	24.510	2.147	2.416

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:26:19	-0.051	-0.047	0.103	0.130	0.136	92.754%
2	19:27:02	-0.051	-0.050	0.072	0.116	0.082	96.767%
3	19:27:45	-0.046	-0.049	0.077	0.054	0.062	98.055%
x		-0.049	-0.049	0.084	0.100	0.093	95.859%
σ		0.003	0.001	0.017	0.041	0.038	2.765%
%RSD		6.261	2.207	19.900	40.640	40.810	2.885

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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	19:37:54	91.768%	1.321	6.556	5.451	0.000	110.700	91.010	92.580
2	19:38:38	92.615%	0.937	4.105	4.789	0.000	110.700	86.600	87.830
3	19:39:21	90.923%	1.001	3.982	4.736	0.000	112.600	91.080	91.800
x		91.769%	108.593%	97.621%	99.835%	0.000	111.339%	89.564%	90.737%
σ		0.846%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.922	18.950	29.750	7.977	0.000	0.978	2.866	2.805

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:54	31.720	497.300	0.000	132.600	85.620	109.800	96.646%	4.744
2	19:38:38	30.900	498.500	0.000	133.500	112.300	115.400	98.729%	4.391
3	19:39:21	31.420	507.800	0.000	134.600	100.400	112.700	99.248%	4.613
x		104.486%	100.244%	0.000	133.576%	99.437%	112.629%	98.208%	91.656%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.377%	n/a
%RSD		1.338	1.146	0.000	0.732	13.450	2.509	1.402	3.895

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:54	1.305	1.627	4.810	43.170	79.780	0.497	0.995	2.467
2	19:38:38	0.892	1.751	4.873	39.560	67.810	0.486	0.924	2.459
3	19:39:21	1.163	1.820	5.015	39.500	73.450	0.478	0.860	2.433
x		112.008%	86.633%	979.878%	81.492%	147.357%	97.410%	92.640%	122.646%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		18.760	5.643	2.146	5.162	8.124	1.917	7.307	0.736

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:54	2.630	5.528	5.126	0.547	0.731	3.352	0.000	4.837
2	19:38:38	2.431	5.684	4.963	0.840	-0.082	3.983	0.000	4.945
3	19:39:21	2.774	5.405	6.024	1.140	-1.167	5.647	0.000	4.843
x		130.597%	110.773%	107.420%	84.237%	-3.446%	86.548%	0.000	97.500%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		6.594	2.526	10.640	35.210	552.600	27.400	0.000	1.246

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:54	95.567%	4.611	4.718	92.756%	0.978	0.965	1.129	0.995
2	19:38:38	97.185%	4.370	4.642	95.952%	1.014	1.061	1.293	1.005
3	19:39:21	98.707%	4.816	4.696	97.395%	0.991	0.995	0.982	0.940
x		97.153%	91.977%	93.703%	95.368%	99.425%	100.713%	113.462%	98.006%
σ		1.570%	n/a	n/a	2.374%	n/a	n/a	n/a	n/a
%RSD		1.616	4.847	0.838	2.490	1.812	4.893	13.710	3.612

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:54	93.013%	4.758	2.082	1.996	9.436	9.735	92.893%	92.700%
2	19:38:38	96.551%	5.213	2.103	1.952	9.854	9.343	95.797%	96.581%
3	19:39:21	97.980%	5.002	2.012	2.065	9.612	9.862	96.873%	97.683%
x		95.848%	99.820%	103.280%	100.211%	96.343%	96.465%	95.188%	95.655%
σ		2.557%	n/a	n/a	n/a	n/a	n/a	2.059%	2.618%
%RSD		2.668	4.564	2.295	2.830	2.178	2.806	2.163	2.736

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:54	0.785	0.906	1.238	1.276	1.242	101.216%
2	19:38:38	0.926	0.903	1.122	1.185	1.164	103.997%
3	19:39:21	0.866	0.837	1.145	1.095	1.113	105.678%
x		85.923%	88.192%	116.845%	118.550%	117.304%	103.630%
σ		n/a	n/a	n/a	n/a	n/a	2.253%
%RSD		8.202	4.437	5.288	7.645	5.542	2.175

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:42:17	79.094%	50.230	979.400	999.500	0.000	47620.000	41760.000	38650.000
2	19:43:01	80.614%	51.380	987.600	1026.000	0.000	47160.000	40610.000	38520.000
3	19:43:44	80.752%	49.350	982.100	1053.000	0.000	47530.000	40810.000	43340.000
x		80.153%	50.320	983.000	1026.000	0.000	47440.000	41060.000	40170.000
σ		0.920%	1.017	4.171	26.950	0.000	243.300	610.800	2749.000
%RSD		1.148	2.020	0.424	2.627	0.000	0.513	1.488	6.842

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:42:17	1764.000	3118.000	0.000	52650.000	50850.000	45640.000	76.359%	902.300
2	19:43:01	1754.000	3111.000	0.000	53010.000	50770.000	45750.000	78.744%	886.700
3	19:43:44	1773.000	3154.000	0.000	54180.000	52160.000	46050.000	78.849%	894.600
x		1764.000	3128.000	0.000	53280.000	51260.000	45810.000	77.984%	894.500
σ		9.525	22.830	0.000	800.300	780.700	211.000	1.408%	7.799
%RSD		0.540	0.730	0.000	1.502	1.523	0.461	1.806	0.872

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:42:17	454.600	186.300	455.900	1004.000	1379.000	465.900	471.400	242.600
2	19:43:01	444.300	184.000	451.500	995.200	1353.000	465.500	473.800	245.000
3	19:43:44	443.400	184.600	454.600	1008.000	1349.000	471.100	473.400	244.100
x		447.400	185.000	454.000	1003.000	1360.000	467.500	472.900	243.900
σ		6.189	1.174	2.220	6.655	16.470	3.118	1.292	1.210
%RSD		1.383	0.635	0.489	0.664	1.211	0.667	0.273	0.496

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:42:17	247.500	485.700	476.900	37.760	12.860	12.650	0.000	843.400
2	19:43:01	245.900	478.900	483.300	35.230	10.700	10.850	0.000	837.400
3	19:43:44	249.400	487.800	481.000	36.820	9.011	10.200	0.000	831.200
x		247.600	484.100	480.400	36.600	10.860	11.230	0.000	837.300
σ		1.719	4.629	3.243	1.274	1.931	1.268	0.000	6.104
%RSD		0.694	0.956	0.675	3.481	17.780	11.290	0.000	0.729

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:42:17	83.211%	890.500	891.700	84.282%	45.110	45.400	45.130	39.750
2	19:43:01	86.716%	885.900	896.100	87.541%	45.370	44.590	44.150	39.910
3	19:43:44	88.491%	883.000	895.600	89.366%	44.830	45.400	44.230	38.460
x		86.139%	886.400	894.400	87.063%	45.100	45.130	44.500	39.370
σ		2.687%	3.784	2.418	2.576%	0.266	0.469	0.544	0.796
%RSD		3.119	0.427	0.270	2.959	0.591	1.040	1.222	2.021

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:42:17	85.027%	1665.000	433.500	429.100	1701.000	1686.000	87.458%	88.414%
2	19:43:01	88.068%	1685.000	437.200	433.900	1703.000	1672.000	92.254%	92.078%
3	19:43:44	90.465%	1674.000	434.500	431.200	1694.000	1677.000	92.481%	93.792%
x		87.853%	1674.000	435.100	431.400	1699.000	1678.000	90.731%	91.428%
σ		2.725%	9.872	1.909	2.387	4.743	7.055	2.837%	2.747%
%RSD		3.102	0.590	0.439	0.553	0.279	0.420	3.127	3.004

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:42:17	44.510	44.410	18.020	17.400	17.910	85.284%
2	19:43:01	43.870	44.040	17.790	18.200	18.060	89.395%
3	19:43:44	43.490	43.790	18.120	18.330	18.010	91.133%
x		43.960	44.080	17.980	17.980	18.000	88.604%
σ		0.512	0.312	0.168	0.507	0.074	3.004%
%RSD		1.165	0.708	0.937	2.820	0.412	3.390

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:46:38	95.005%	6.237	27.820	27.740	0.000	302.800	19550.000	20540.000
2	19:47:22	91.698%	5.880	28.690	28.550	0.000	306.900	19960.000	21230.000
3	19:48:05	91.346%	5.929	23.870	27.710	0.000	312.500	20250.000	21550.000
x		92.683%	6.015	26.790	28.000	0.000	307.400	19920.000	21110.000
σ		2.018%	0.194	2.569	0.478	0.000	4.843	348.500	514.700
%RSD		2.178	3.222	9.589	1.707	0.000	1.576	1.749	2.438

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:46:38	85450.000	6543.000	0.000	9040.000	12880.000	11730.000	91.249%	1072.000
2	19:47:22	88420.000	6647.000	0.000	9354.000	13310.000	11860.000	91.920%	1084.000
3	19:48:05	90020.000	6710.000	0.000	9448.000	13100.000	11920.000	92.708%	1072.000
x		87960.000	6633.000	0.000	9280.000	13100.000	11830.000	91.959%	1076.000
σ		2318.000	84.720	0.000	213.800	214.600	99.850	0.730%	7.027
%RSD		2.636	1.277	0.000	2.304	1.638	0.844	0.794	0.653

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:46:38	168.500	139.900	5361.000	218800.000	214800.000	99.580	199.100	344.800
2	19:47:22	170.700	141.800	5399.000	221200.000	217800.000	101.500	200.000	350.500
3	19:48:05	168.400	141.100	5394.000	222100.000	218800.000	102.100	204.700	352.300
x		169.200	140.900	5385.000	220700.000	217100.000	101.100	201.300	349.200
σ		1.295	0.933	20.840	1706.000	2078.000	1.318	3.029	3.921
%RSD		0.765	0.662	0.387	0.773	0.957	1.304	1.505	1.123

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:46:38	351.200	2594.000	2619.000	70.430	0.630	5.065	0.000	71.950
2	19:47:22	354.700	2661.000	2676.000	72.640	-0.521	7.303	0.000	71.720
3	19:48:05	358.000	2668.000	2685.000	70.360	-2.448	3.868	0.000	72.590
x		354.600	2641.000	2660.000	71.150	-0.780	5.412	0.000	72.090
σ		3.418	40.660	35.950	1.297	1.555	1.744	0.000	0.454
%RSD		0.964	1.539	1.351	1.824	199.500	32.220	0.000	0.629

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:46:38	0.000	17.540	16.800	87.580%	1.360	1.189	34.040	32.750
2	19:47:22	0.000	14.130	13.930	90.632%	1.333	1.229	34.000	33.660
3	19:48:05	0.000	13.250	13.550	91.009%	1.243	1.317	33.020	33.140
x		0.000	14.970	14.760	89.740%	1.312	1.245	33.690	33.190
σ		0.000	2.266	1.777	1.880%	0.062	0.066	0.577	0.454
%RSD		0.000	15.130	12.040	2.095	4.692	5.286	1.712	1.369

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:46:38	88.429%	43.830	1.532	1.645	690.000	683.600	98.451%	98.339%
2	19:47:22	90.782%	34.880	1.294	1.398	690.000	685.100	100.635%	101.295%
3	19:48:05	92.805%	28.140	1.206	1.303	694.600	686.000	102.203%	103.459%
x		90.672%	35.620	1.344	1.449	691.500	684.900	100.430%	101.031%
σ		2.190%	7.871	0.169	0.176	2.643	1.200	1.884%	2.570%
%RSD		2.416	22.100	12.570	12.160	0.382	0.175	1.876	2.544

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:46:38	1.812	1.682	224.600	226.600	225.100	91.603%
2	19:47:22	1.627	1.671	228.100	229.700	228.200	93.800%
3	19:48:05	1.714	1.648	233.600	233.100	232.500	93.598%
x		1.717	1.667	228.800	229.800	228.600	93.000%
σ		0.093	0.018	4.566	3.266	3.709	1.214%
%RSD		5.387	1.057	1.996	1.421	1.622	1.305

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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	19:50:58	89.352%	5.895	16.370	20.720	0.000	408.800	47020.000	48220.000
2	19:51:41	88.232%	5.441	19.460	20.920	0.000	413.300	46180.000	48600.000
3	19:52:24	86.477%	5.826	17.890	18.970	0.000	422.800	46160.000	49200.000
x		88.021%	5.721	17.910	20.210	0.000	415.000	46450.000	48670.000
σ		1.449%	0.245	1.545	1.076	0.000	7.107	491.800	490.700
%RSD		1.646	4.280	8.627	5.324	0.000	1.713	1.059	1.008

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:58	75050.000	7313.000	0.000	9762.000	104400.000	104100.000	85.892%	980.800
2	19:51:41	76020.000	7481.000	0.000	9983.000	106600.000	103400.000	86.438%	962.700
3	19:52:24	77510.000	7653.000	0.000	10120.000	106900.000	103700.000	86.446%	974.100
x		76200.000	7482.000	0.000	9953.000	106000.000	103700.000	86.258%	972.500
σ		1238.000	169.900	0.000	178.400	1359.000	388.700	0.318%	9.150
%RSD		1.625	2.270	0.000	1.792	1.283	0.375	0.368	0.941

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:58	151.000	136.100	1806.000	148000.000	147000.000	89.190	184.400	167.600
2	19:51:41	149.100	133.400	1813.000	148500.000	147000.000	89.740	184.600	169.100
3	19:52:24	148.200	135.000	1817.000	148800.000	148200.000	89.870	187.600	170.900
x		149.400	134.800	1812.000	148400.000	147400.000	89.600	185.600	169.200
σ		1.426	1.322	5.410	392.500	681.900	0.360	1.780	1.618
%RSD		0.954	0.981	0.299	0.264	0.463	0.402	0.959	0.956

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:58	169.800	526.300	528.200	32.000	-2.374	2.557	0.000	191.200
2	19:51:41	171.900	536.300	533.000	36.420	-3.185	4.789	0.000	191.600
3	19:52:24	173.800	537.200	537.600	36.020	-3.433	4.692	0.000	192.800
x		171.800	533.300	532.900	34.820	-2.997	4.013	0.000	191.900
σ		2.000	6.036	4.724	2.444	0.554	1.262	0.000	0.804
%RSD		1.164	1.132	0.886	7.021	18.480	31.440	0.000	0.419

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:58	0.000	6.189	6.219	83.782%	0.231	0.165	1.035	0.738
2	19:51:41	0.000	5.799	5.897	85.915%	0.187	0.113	0.976	0.614
3	19:52:24	0.000	5.549	5.826	86.325%	0.219	0.150	1.282	0.896
x		0.000	5.846	5.981	85.341%	0.212	0.142	1.098	0.749
σ		0.000	0.323	0.210	1.365%	0.023	0.027	0.162	0.141
%RSD		0.000	5.520	3.508	1.600	10.790	18.670	14.770	18.850

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:58	83.838%	18.460	0.796	0.764	295.400	290.500	95.216%	95.007%
2	19:51:41	87.110%	16.570	0.807	0.861	291.200	292.200	97.676%	97.045%
3	19:52:24	87.181%	15.820	0.766	0.677	294.900	291.100	97.592%	97.666%
x		86.043%	16.950	0.789	0.767	293.800	291.300	96.828%	96.573%
σ		1.910%	1.361	0.021	0.092	2.309	0.870	1.396%	1.391%
%RSD		2.220	8.029	2.703	11.990	0.786	0.299	1.442	1.441

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:58	0.959	1.041	101.500	100.900	101.600	85.069%
2	19:51:41	1.119	1.028	100.200	99.280	100.300	88.833%
3	19:52:24	1.140	1.030	100.800	100.800	100.700	89.108%
x		1.073	1.033	100.900	100.300	100.900	87.670%
σ		0.099	0.007	0.650	0.896	0.649	2.257%
%RSD		9.250	0.701	0.644	0.893	0.644	2.574

CCV 526714 9/6/2012 7:57:29 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	19:58:12	91.827%	99.760	92.710	95.500	0.000	48860.000	44450.000	45690.000
2	19:58:55	89.263%	102.200	95.500	98.760	0.000	50100.000	44700.000	45950.000
3	19:59:38	90.021%	99.880	95.570	99.980	0.000	49700.000	44040.000	45700.000
x		90.370%	100.603%	94.592%	98.081%	0.000	99.106%	88.798%	91.559%
σ		1.317%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.458	1.349	1.727	2.363	0.000	1.271	0.751	0.324

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:58:12	475.100	4935.000	0.000	53770.000	51770.000	47600.000	87.048%	97.780
2	19:58:55	506.400	5057.000	0.000	55350.000	52750.000	48060.000	87.628%	99.180
3	19:59:38	516.900	5017.000	0.000	54860.000	52040.000	47570.000	88.272%	95.880
x		99.896%	100.059%	0.000	109.317%	104.376%	95.482%	87.649%	97.613%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.613%	n/a
%RSD		4.359	1.243	0.000	1.479	0.968	0.571	0.699	1.695

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:58:12	95.400	97.400	485.400	25880.000	24820.000	99.770	101.200	102.900
2	19:58:55	94.110	96.720	489.300	25960.000	25080.000	100.600	103.300	105.100
3	19:59:38	93.230	96.690	487.800	25800.000	24940.000	101.400	103.300	105.800
x		94.246%	96.935%	97.505%	103.518%	99.786%	100.580%	102.582%	104.608%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.160	0.416	0.401	0.322	0.521	0.819	1.174	1.485

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:58:12	104.500	105.300	104.700	102.600	95.330	103.400	0.000	98.850
2	19:58:55	105.800	108.800	107.300	102.700	92.810	107.100	0.000	98.950
3	19:59:38	105.600	109.800	106.700	104.100	96.950	105.100	0.000	98.640
x		105.302%	107.966%	106.214%	103.123%	95.029%	105.203%	0.000	98.814%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.688	2.218	1.299	0.788	2.190	1.767	0.000	0.158

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:58:12	87.374%	97.450	96.430	87.922%	99.840	99.760	101.300	101.300
2	19:58:55	89.560%	99.340	99.960	90.877%	98.760	100.300	98.710	99.690
3	19:59:38	89.820%	100.700	99.940	91.636%	99.640	100.800	99.530	100.200
x		88.918%	99.171%	98.776%	90.145%	99.413%	100.297%	99.857%	100.424%
σ		1.344%	n/a	n/a	1.962%	n/a	n/a	n/a	n/a
%RSD		1.511	1.652	2.055	2.177	0.574	0.537	1.339	0.836

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:58:12	88.269%	98.000	99.150	98.400	98.940	98.430	90.258%	91.194%
2	19:58:55	92.097%	98.110	99.440	97.600	98.140	97.020	94.347%	94.512%
3	19:59:38	92.432%	98.240	99.000	99.550	98.250	97.530	94.810%	96.101%
x		90.932%	98.114%	99.196%	98.517%	98.442%	97.660%	93.138%	93.936%
σ		2.313%	n/a	n/a	n/a	n/a	n/a	2.505%	2.504%
%RSD		2.544	0.122	0.222	0.997	0.438	0.732	2.690	2.666

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:58:12	99.230	99.310	101.600	101.000	101.200	88.303%
2	19:58:55	99.170	100.500	101.600	101.600	101.600	91.126%
3	19:59:38	100.000	100.200	100.900	100.900	101.400	92.331%
x		99.465%	100.033%	101.373%	101.169%	101.408%	90.587%
σ		n/a	n/a	n/a	n/a	n/a	2.068%
%RSD		0.465	0.646	0.414	0.354	0.237	2.283

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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	20:06:11	90.672%	0.014	-0.614	-0.793	0.000	20.400	6.129	6.791
2	20:06:54	92.529%	0.012	-1.179	-1.878	0.000	19.350	8.477	8.477
3	20:07:37	92.272%	-0.035	-0.423	-1.165	0.000	19.740	7.987	7.854
x		91.825%	-0.003	-0.739	-1.279	0.000	19.830	7.531	7.707
σ		1.007%	0.027	0.393	0.551	0.000	0.533	1.239	0.852
%RSD		1.096	946.300	53.180	43.100	0.000	2.687	16.450	11.060

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:06:11	2.532	7.338	0.000	70.840	20.960	15.940	88.548%	0.026
2	20:06:54	3.501	7.645	0.000	69.860	20.040	18.650	90.982%	0.128
3	20:07:37	3.684	7.680	0.000	75.640	23.140	16.800	90.990%	0.020
x		3.239	7.554	0.000	72.110	21.380	17.130	90.173%	0.058
σ		0.619	0.188	0.000	3.093	1.595	1.383	1.408%	0.060
%RSD		19.100	2.490	0.000	4.289	7.461	8.073	1.561	104.300

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:06:11	0.280	0.074	0.236	2.259	53.380	0.019	-0.035	0.471
2	20:06:54	0.004	-0.034	0.258	-1.284	45.800	0.028	-0.174	0.448
3	20:07:37	0.144	0.028	0.251	-3.852	39.130	0.007	-0.174	0.561
x		0.143	0.023	0.248	-0.959	46.100	0.018	-0.128	0.493
σ		0.138	0.054	0.011	3.069	7.132	0.010	0.081	0.060
%RSD		96.690	238.900	4.364	320.000	15.470	57.960	63.080	12.080

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:06:11	0.424	-0.462	-0.172	-0.246	-5.202	-0.132	0.000	0.071
2	20:06:54	0.487	-0.232	-0.469	0.138	-6.519	0.533	0.000	0.078
3	20:07:37	0.376	-0.399	-0.322	0.567	-6.159	0.689	0.000	0.088
x		0.429	-0.364	-0.321	0.153	-5.960	0.363	0.000	0.079
σ		0.056	0.119	0.149	0.407	0.681	0.436	0.000	0.009
%RSD		12.970	32.740	46.290	266.400	11.420	120.100	0.000	10.860

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:06:11	97.828%	0.537	0.492	92.208%	0.002	-0.011	-0.104	-0.067
2	20:06:54	100.878%	0.539	0.432	96.100%	0.011	-0.006	0.038	0.025
3	20:07:37	101.870%	0.414	0.360	97.759%	0.007	0.003	0.042	0.056
x		100.192%	0.497	0.428	95.356%	0.007	-0.005	-0.008	0.005
σ		2.107%	0.072	0.066	2.849%	0.004	0.007	0.083	0.064
%RSD		2.103	14.510	15.430	2.988	64.970	155.300	1033.000	1344.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:06:11	92.054%	0.080	0.068	0.051	0.057	0.043	93.251%	93.194%
2	20:06:54	95.956%	0.054	0.035	0.045	-0.011	0.026	95.585%	95.809%
3	20:07:37	98.021%	0.024	0.047	0.054	0.077	0.053	96.633%	97.044%
x		95.344%	0.053	0.050	0.050	0.041	0.040	95.156%	95.349%
σ		3.031%	0.028	0.017	0.005	0.046	0.014	1.731%	1.966%
%RSD		3.179	52.690	33.320	9.032	111.900	34.290	1.819	2.062

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:06:11	-0.012	-0.007	0.401	0.400	0.411	103.428%
2	20:06:54	-0.033	-0.004	0.330	0.316	0.317	107.494%
3	20:07:37	-0.006	-0.025	0.237	0.287	0.276	109.240%
x		-0.017	-0.012	0.322	0.334	0.335	106.721%
σ		0.014	0.011	0.082	0.059	0.069	2.982%
%RSD		86.130	93.400	25.520	17.600	20.720	2.794

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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	20:10:30	91.444%	5.892	22.930	19.720	0.000	417.300	38600.000	39870.000
2	20:11:13	93.428%	5.754	19.060	19.110	0.000	409.800	38050.000	39200.000
3	20:11:57	90.685%	6.281	20.820	20.290	0.000	416.500	38800.000	40300.000
x		91.852%	5.976	20.940	19.710	0.000	414.500	38480.000	39790.000
σ		1.416%	0.274	1.942	0.589	0.000	4.132	390.500	554.500
%RSD		1.542	4.579	9.273	2.988	0.000	0.997	1.015	1.394

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:10:30	76330.000	7777.000	0.000	9857.000	79710.000	71610.000	89.481%	912.800
2	20:11:13	75340.000	7558.000	0.000	9921.000	81160.000	72000.000	90.613%	905.200
3	20:11:57	77060.000	7637.000	0.000	10030.000	81590.000	72920.000	90.398%	896.100
x		76240.000	7657.000	0.000	9935.000	80820.000	72170.000	90.164%	904.700
σ		863.300	111.200	0.000	86.160	986.400	673.000	0.601%	8.334
%RSD		1.132	1.452	0.000	0.867	1.220	0.933	0.667	0.921

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:10:30	146.500	127.200	4922.000	206900.000	204100.000	110.500	229.800	178.400
2	20:11:13	145.800	126.600	4894.000	205600.000	202700.000	110.600	232.300	177.000
3	20:11:57	144.600	127.700	4903.000	205700.000	203300.000	111.000	235.100	178.200
x		145.600	127.200	4906.000	206100.000	203300.000	110.700	232.400	177.900
σ		0.956	0.567	14.500	719.100	669.300	0.272	2.663	0.790
%RSD		0.656	0.446	0.295	0.349	0.329	0.246	1.146	0.444

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:10:30	179.700	534.200	538.400	57.510	3.212	5.175	0.000	166.000
2	20:11:13	180.900	535.200	536.100	57.350	2.950	7.027	0.000	164.300
3	20:11:57	182.500	543.300	545.500	58.480	1.239	5.995	0.000	164.500
x		181.000	537.600	540.000	57.780	2.467	6.065	0.000	164.900
σ		1.424	4.985	4.904	0.608	1.072	0.928	0.000	0.964
%RSD		0.787	0.927	0.908	1.052	43.440	15.310	0.000	0.585

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:10:30	0.000	8.578	8.404	84.113%	0.207	0.146	2.498	2.186
2	20:11:13	0.000	7.660	8.466	86.403%	0.228	0.136	2.667	1.997
3	20:11:57	0.000	8.081	7.710	86.776%	0.232	0.132	2.281	1.949
x		0.000	8.106	8.194	85.764%	0.223	0.138	2.482	2.044
σ		0.000	0.460	0.420	1.442%	0.014	0.007	0.194	0.125
%RSD		0.000	5.670	5.126	1.681	6.182	5.333	7.796	6.129

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:10:30	83.997%	15.360	0.772	0.856	453.000	447.800	95.996%	95.803%
2	20:11:13	86.290%	14.750	0.707	0.833	457.200	446.800	98.523%	97.579%
3	20:11:57	87.102%	13.470	0.763	0.647	450.400	449.500	98.369%	97.609%
x		85.796%	14.520	0.747	0.779	453.500	448.000	97.629%	96.997%
σ		1.610%	0.963	0.035	0.115	3.418	1.372	1.416%	1.034%
%RSD		1.877	6.629	4.697	14.720	0.754	0.306	1.451	1.066

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:10:30	1.727	1.654	123.400	121.000	122.400	84.191%
2	20:11:13	1.598	1.606	123.800	120.100	122.000	86.755%
3	20:11:57	1.708	1.600	122.600	120.600	121.600	86.739%
x		1.678	1.620	123.300	120.600	122.000	85.895%
σ		0.070	0.030	0.625	0.437	0.391	1.475%
%RSD		4.148	1.833	0.507	0.363	0.320	1.718

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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	20:14:49	93.591%	6.664	23.240	23.570	0.000	439.800	31480.000	28210.000
2	20:15:32	93.311%	6.463	23.410	22.190	0.000	442.100	31080.000	29310.000
3	20:16:15	92.910%	6.920	23.510	24.030	0.000	441.400	30870.000	28730.000
x		93.270%	6.682	23.390	23.260	0.000	441.100	31140.000	28750.000
σ		0.342%	0.229	0.136	0.957	0.000	1.215	310.800	554.200
%RSD		0.367	3.426	0.583	4.115	0.000	0.276	0.998	1.928

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:14:49	92360.000	6224.000	0.000	10360.000	22820.000	20690.000	93.756%	922.700
2	20:15:32	93100.000	6326.000	0.000	10600.000	22990.000	20780.000	94.643%	916.100
3	20:16:15	93950.000	6406.000	0.000	10770.000	23240.000	20990.000	94.849%	910.700
x		93140.000	6319.000	0.000	10580.000	23020.000	20820.000	94.416%	916.500
σ		795.300	91.700	0.000	208.300	209.600	155.100	0.581%	5.989
%RSD		0.854	1.451	0.000	1.969	0.910	0.745	0.615	0.653

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:14:49	170.000	149.000	6166.000	241500.000	236500.000	137.400	253.000	191.300
2	20:15:32	170.800	149.100	6174.000	243300.000	239100.000	139.100	255.500	194.100
3	20:16:15	168.200	150.000	6222.000	245000.000	241100.000	139.800	256.200	196.200
x		169.700	149.400	6187.000	243300.000	238900.000	138.700	254.900	193.900
σ		1.327	0.550	30.270	1758.000	2291.000	1.245	1.714	2.497
%RSD		0.782	0.368	0.489	0.723	0.959	0.897	0.672	1.288

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:14:49	195.200	614.500	612.000	94.900	-2.149	6.952	0.000	89.750
2	20:15:32	196.400	616.800	620.900	91.930	-2.796	3.598	0.000	88.730
3	20:16:15	198.100	616.100	623.400	93.240	-2.017	7.897	0.000	88.970
x		196.500	615.800	618.800	93.360	-2.321	6.149	0.000	89.150
σ		1.452	1.188	6.002	1.488	0.417	2.260	0.000	0.535
%RSD		0.739	0.193	0.970	1.594	17.980	36.740	0.000	0.600

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:14:49	0.000	8.498	8.691	86.477%	0.220	0.139	2.453	2.233
2	20:15:32	0.000	8.165	8.324	89.524%	0.179	0.169	2.795	2.209
3	20:16:15	0.000	8.138	8.672	90.323%	0.209	0.093	2.708	2.429
x		0.000	8.267	8.563	88.774%	0.203	0.134	2.652	2.290
σ		0.000	0.200	0.207	2.030%	0.022	0.038	0.178	0.121
%RSD		0.000	2.421	2.413	2.286	10.620	28.470	6.704	5.281

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:14:49	85.880%	11.610	0.915	0.886	730.700	716.700	97.436%	96.357%
2	20:15:32	89.502%	10.880	0.834	0.920	723.000	713.300	100.228%	100.042%
3	20:16:15	90.370%	10.510	0.875	0.860	723.800	714.600	101.681%	101.514%
x		88.584%	11.000	0.875	0.889	725.800	714.900	99.782%	99.304%
σ		2.382%	0.559	0.041	0.030	4.199	1.718	2.158%	2.656%
%RSD		2.688	5.079	4.678	3.339	0.579	0.240	2.162	2.675

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:14:49	1.760	1.714	130.500	127.000	128.600	83.642%
2	20:15:32	1.708	1.627	130.200	127.100	129.300	86.572%
3	20:16:15	1.602	1.608	131.900	128.800	130.000	88.168%
x		1.690	1.650	130.900	127.600	129.300	86.127%
σ		0.080	0.057	0.894	1.024	0.727	2.295%
%RSD		4.759	3.425	0.683	0.803	0.563	2.665

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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	20:19:07	91.711%	5.422	15.830	17.710	0.000	409.400	52390.000	53990.000
2	20:19:50	91.560%	5.396	17.980	19.830	0.000	411.000	51510.000	53520.000
3	20:20:33	89.459%	5.272	16.880	19.980	0.000	417.600	50880.000	53700.000
x		90.910%	5.363	16.900	19.170	0.000	412.700	51590.000	53740.000
σ		1.259%	0.080	1.079	1.271	0.000	4.351	758.900	235.200
%RSD		1.385	1.498	6.384	6.629	0.000	1.054	1.471	0.438

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:19:07	71010.000	5871.000	0.000	8093.000	76480.000	67770.000	89.354%	893.800
2	20:19:50	70740.000	5931.000	0.000	8245.000	77610.000	70090.000	89.856%	881.900
3	20:20:33	70810.000	5984.000	0.000	8323.000	77270.000	69940.000	90.451%	871.800
x		70850.000	5929.000	0.000	8220.000	77120.000	69270.000	89.887%	882.500
σ		142.100	56.400	0.000	117.000	583.700	1300.000	0.549%	10.980
%RSD		0.201	0.951	0.000	1.423	0.757	1.876	0.611	1.245

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:19:07	148.600	123.500	3688.000	193800.000	191200.000	94.490	203.600	168.700
2	20:19:50	147.600	123.300	3651.000	193300.000	191000.000	95.640	202.900	169.100
3	20:20:33	144.900	122.800	3640.000	193000.000	190200.000	95.870	203.300	168.600
x		147.100	123.200	3660.000	193400.000	190800.000	95.330	203.300	168.800
σ		1.914	0.389	25.070	416.500	501.900	0.739	0.380	0.273
%RSD		1.301	0.316	0.685	0.215	0.263	0.775	0.187	0.162

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:19:07	173.700	497.300	500.800	64.260	-0.717	3.888	0.000	97.850
2	20:19:50	171.700	500.100	502.200	64.430	-3.329	5.668	0.000	97.550
3	20:20:33	173.300	499.000	507.500	64.460	-2.824	6.686	0.000	96.570
x		172.900	498.800	503.500	64.380	-2.290	5.414	0.000	97.320
σ		1.011	1.379	3.532	0.112	1.386	1.416	0.000	0.670
%RSD		0.585	0.277	0.701	0.174	60.510	26.160	0.000	0.689

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:19:07	0.000	6.880	6.814	83.708%	0.154	0.098	2.176	1.920
2	20:19:50	0.000	6.889	7.027	86.060%	0.190	0.117	1.884	1.503
3	20:20:33	0.000	6.369	6.714	86.788%	0.185	0.089	1.875	1.659
x		0.000	6.712	6.852	85.519%	0.176	0.101	1.978	1.694
σ		0.000	0.298	0.160	1.610%	0.020	0.014	0.171	0.211
%RSD		0.000	4.436	2.333	1.882	11.090	13.990	8.647	12.450

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:19:07	82.506%	8.726	0.974	0.887	462.500	455.700	94.554%	93.925%
2	20:19:50	85.774%	8.837	0.939	0.890	454.300	444.200	98.121%	96.777%
3	20:20:33	87.764%	8.393	0.871	1.007	452.000	442.200	98.236%	98.297%
x		85.348%	8.652	0.928	0.928	456.300	447.400	96.970%	96.333%
σ		2.655%	0.231	0.052	0.069	5.536	7.261	2.093%	2.220%
%RSD		3.111	2.668	5.656	7.398	1.213	1.623	2.159	2.304

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:19:07	1.222	1.230	109.200	107.000	108.900	81.801%
2	20:19:50	1.146	1.268	109.200	107.800	108.500	84.409%
3	20:20:33	1.182	1.259	109.600	107.700	109.000	85.297%
x		1.183	1.252	109.300	107.500	108.800	83.836%
σ		0.038	0.020	0.233	0.413	0.256	1.817%
%RSD		3.228	1.581	0.213	0.384	0.235	2.167

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:23:26	94.258%	8.666	10.680	11.670	0.000	254.300	18750.000	19060.000
2	20:24:09	94.449%	9.371	12.700	11.220	0.000	252.200	18590.000	19130.000
3	20:24:52	94.626%	8.390	10.020	11.690	0.000	254.000	18500.000	19090.000
x		94.444%	8.809	11.130	11.520	0.000	253.500	18610.000	19090.000
σ		0.184%	0.506	1.399	0.265	0.000	1.124	122.600	34.410
%RSD		0.195	5.742	12.560	2.297	0.000	0.443	0.658	0.180

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:23:26	79950.000	4532.000	0.000	7284.000	9186.000	8404.000	97.408%	742.800
2	20:24:09	80540.000	4587.000	0.000	7408.000	9488.000	8429.000	98.292%	756.700
3	20:24:52	80480.000	4586.000	0.000	7549.000	9347.000	8494.000	97.768%	759.500
x		80320.000	4569.000	0.000	7414.000	9340.000	8442.000	97.823%	753.000
σ		327.000	31.270	0.000	132.300	150.800	46.380	0.444%	8.927
%RSD		0.407	0.685	0.000	1.785	1.615	0.549	0.454	1.186

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:23:26	205.000	183.000	7936.000	352000.000	344100.000	118.800	231.400	219.900
2	20:24:09	205.500	183.700	7928.000	351800.000	344800.000	120.600	232.600	222.500
3	20:24:52	207.100	184.600	7971.000	353300.000	347700.000	120.800	235.200	224.500
x		205.900	183.800	7945.000	352400.000	345500.000	120.100	233.100	222.300
σ		1.095	0.807	22.720	832.200	1905.000	1.114	1.909	2.283
%RSD		0.532	0.439	0.286	0.236	0.551	0.928	0.819	1.027

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:23:26	223.000	622.200	625.600	99.260	1.318	11.900	0.000	93.150
2	20:24:09	227.000	624.500	621.100	100.400	0.023	12.160	0.000	91.350
3	20:24:52	228.700	627.700	630.000	102.200	0.054	12.090	0.000	92.270
x		226.200	624.800	625.600	100.600	0.465	12.050	0.000	92.260
σ		2.905	2.775	4.430	1.503	0.739	0.136	0.000	0.901
%RSD		1.284	0.444	0.708	1.494	159.000	1.126	0.000	0.977

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:23:26	0.000	7.339	7.204	86.871%	0.375	0.295	4.010	3.179
2	20:24:09	0.000	6.650	6.821	89.959%	0.315	0.289	3.571	3.124
3	20:24:52	0.000	7.079	6.971	90.587%	0.279	0.201	3.437	3.072
x		0.000	7.023	6.999	89.139%	0.323	0.262	3.672	3.125
σ		0.000	0.348	0.193	1.989%	0.049	0.053	0.300	0.053
%RSD		0.000	4.956	2.757	2.231	15.020	20.160	8.168	1.712

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:23:26	86.450%	9.638	1.340	1.190	1090.000	1072.000	106.023%	104.678%
2	20:24:09	89.693%	9.119	1.297	1.285	1087.000	1061.000	109.435%	107.841%
3	20:24:52	89.346%	9.291	1.377	1.259	1093.000	1076.000	110.118%	109.590%
x		88.496%	9.349	1.338	1.245	1090.000	1070.000	108.526%	107.370%
σ		1.781%	0.264	0.040	0.049	3.054	7.766	2.194%	2.490%
%RSD		2.012	2.827	2.976	3.928	0.280	0.726	2.022	2.319

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:23:26	1.016	1.084	166.600	164.000	165.300	82.016%
2	20:24:09	1.033	1.081	165.600	165.000	165.000	85.477%
3	20:24:52	1.131	1.189	166.800	165.200	166.400	86.215%
x		1.060	1.118	166.300	164.700	165.600	84.570%
σ		0.063	0.061	0.683	0.634	0.750	2.242%
%RSD		5.903	5.469	0.411	0.385	0.453	2.651

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:27:45	93.375%	9.179	10.450	10.760	0.000	272.800	20090.000	20860.000
2	20:28:28	92.709%	9.830	7.558	11.080	0.000	273.300	19370.000	20830.000
3	20:29:11	93.213%	9.239	9.826	10.160	0.000	270.900	19320.000	20540.000
x		93.099%	9.416	9.278	10.670	0.000	272.300	19590.000	20740.000
σ		0.347%	0.360	1.523	0.469	0.000	1.286	428.800	178.100
%RSD		0.373	3.820	16.410	4.401	0.000	0.472	2.189	0.859

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:27:45	86510.000	5328.000	0.000	8503.000	8886.000	7944.000	96.356%	810.100
2	20:28:28	86910.000	5380.000	0.000	8619.000	8589.000	7903.000	98.030%	802.300
3	20:29:11	86090.000	5351.000	0.000	8575.000	8424.000	7807.000	98.675%	793.700
x		86500.000	5353.000	0.000	8566.000	8633.000	7884.000	97.687%	802.100
σ		412.500	26.030	0.000	58.640	234.100	70.460	1.197%	8.199
%RSD		0.477	0.486	0.000	0.685	2.711	0.894	1.225	1.022

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:27:45	225.600	166.600	11880.000	381800.000	375400.000	145.900	235.600	211.300
2	20:28:28	221.800	166.200	11730.000	377100.000	371500.000	145.800	233.200	211.600
3	20:29:11	222.200	163.600	11680.000	374800.000	368200.000	144.300	230.900	209.200
x		223.200	165.500	11760.000	377900.000	371700.000	145.400	233.200	210.700
σ		2.127	1.662	102.900	3563.000	3607.000	0.889	2.351	1.300
%RSD		0.953	1.004	0.875	0.943	0.970	0.612	1.008	0.617

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:27:45	216.300	676.400	693.100	96.130	-1.561	8.781	0.000	112.500
2	20:28:28	214.500	685.400	695.400	93.450	-1.422	6.928	0.000	111.000
3	20:29:11	212.800	685.200	684.500	97.390	-1.838	9.144	0.000	110.200
x		214.500	682.400	691.000	95.660	-1.607	8.284	0.000	111.200
σ		1.738	5.128	5.750	2.008	0.212	1.189	0.000	1.183
%RSD		0.810	0.751	0.832	2.099	13.170	14.350	0.000	1.064

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:27:45	0.000	11.160	10.930	85.872%	0.220	0.249	3.089	3.099
2	20:28:28	0.000	10.970	11.310	89.068%	0.284	0.247	3.525	3.222
3	20:29:11	0.000	11.400	10.970	89.887%	0.311	0.225	3.505	2.958
x		0.000	11.180	11.070	88.276%	0.272	0.240	3.373	3.093
σ		0.000	0.217	0.206	2.121%	0.047	0.013	0.246	0.132
%RSD		0.000	1.940	1.860	2.403	17.170	5.590	7.304	4.273

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:27:45	84.313%	9.159	1.128	1.189	1140.000	1126.000	100.471%	98.471%
2	20:28:28	87.676%	9.133	1.136	1.230	1132.000	1108.000	103.910%	103.131%
3	20:29:11	88.752%	9.222	1.196	1.340	1125.000	1108.000	103.367%	102.183%
x		86.914%	9.172	1.153	1.253	1132.000	1114.000	102.583%	101.262%
σ		2.315%	0.046	0.037	0.078	7.810	10.050	1.848%	2.463%
%RSD		2.664	0.497	3.222	6.248	0.690	0.902	1.802	2.432

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:27:45	1.293	1.382	207.700	207.800	207.600	81.029%
2	20:28:28	1.373	1.424	206.200	204.500	206.300	84.134%
3	20:29:11	1.373	1.343	207.700	204.300	206.100	84.262%
x		1.346	1.383	207.200	205.500	206.700	83.142%
σ		0.046	0.040	0.866	1.969	0.838	1.831%
%RSD		3.440	2.910	0.418	0.958	0.405	2.202

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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	20:32:05	94.385%	1.519	-0.493	0.198	0.000	52.290	3975.000	3972.000
2	20:32:48	94.689%	1.710	1.076	-0.082	0.000	54.230	3889.000	4011.000
3	20:33:31	93.802%	1.832	-0.112	-0.046	0.000	53.780	3852.000	4011.000
x		94.292%	1.687	0.157	0.023	0.000	53.430	3905.000	3998.000
σ		0.451%	0.158	0.818	0.153	0.000	1.016	63.170	22.500
%RSD		0.478	9.356	521.600	651.500	0.000	1.902	1.618	0.563

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:05	16550.000	1037.000	0.000	1620.000	1820.000	1582.000	91.591%	160.300
2	20:32:48	16700.000	1047.000	0.000	1664.000	1747.000	1582.000	92.715%	163.100
3	20:33:31	16700.000	1048.000	0.000	1669.000	1797.000	1583.000	93.178%	155.500
x		16650.000	1044.000	0.000	1651.000	1788.000	1583.000	92.494%	159.600
σ		88.360	6.284	0.000	26.930	37.440	0.693	0.816%	3.860
%RSD		0.531	0.602	0.000	1.631	2.094	0.044	0.882	2.418

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:05	43.040	32.770	2310.000	77210.000	72510.000	28.760	44.900	41.930
2	20:32:48	44.600	32.820	2315.000	77090.000	72860.000	28.140	45.880	42.070
3	20:33:31	43.120	32.370	2302.000	76720.000	73070.000	28.240	45.880	42.070
x		43.590	32.650	2309.000	77010.000	72820.000	28.380	45.550	42.020
σ		0.880	0.242	6.379	254.600	283.800	0.328	0.569	0.079
%RSD		2.018	0.743	0.276	0.331	0.390	1.157	1.249	0.189

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:05	43.000	137.600	137.200	20.200	-3.432	5.516	0.000	21.190
2	20:32:48	42.060	138.800	143.800	18.500	-4.736	3.139	0.000	20.990
3	20:33:31	41.690	138.200	135.400	17.190	-4.758	2.096	0.000	20.640
x		42.250	138.200	138.800	18.630	-4.309	3.584	0.000	20.940
σ		0.672	0.609	4.424	1.507	0.759	1.753	0.000	0.277
%RSD		1.591	0.441	3.187	8.091	17.620	48.910	0.000	1.321

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:05	0.000	2.021	2.032	91.307%	0.061	0.041	0.579	0.502
2	20:32:48	0.000	2.380	2.110	93.805%	0.061	0.065	0.634	0.488
3	20:33:31	0.000	2.068	2.135	95.646%	0.013	0.027	0.549	0.524
x		0.000	2.156	2.092	93.586%	0.045	0.044	0.587	0.505
σ		0.000	0.195	0.054	2.178%	0.027	0.019	0.043	0.018
%RSD		0.000	9.060	2.564	2.327	60.900	43.220	7.297	3.530

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:05	91.108%	1.261	0.258	0.254	218.500	212.900	93.662%	92.876%
2	20:32:48	94.190%	1.125	0.205	0.256	218.500	213.100	96.681%	96.908%
3	20:33:31	95.806%	1.057	0.204	0.286	220.200	215.300	97.295%	97.212%
x		93.701%	1.148	0.222	0.265	219.100	213.800	95.880%	95.665%
σ		2.387%	0.104	0.031	0.018	0.987	1.382	1.945%	2.420%
%RSD		2.547	9.060	13.780	6.672	0.451	0.647	2.028	2.530

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:05	0.274	0.270	39.630	40.040	39.770	81.625%
2	20:32:48	0.210	0.287	39.670	39.520	39.810	85.256%
3	20:33:31	0.258	0.268	39.390	39.450	39.600	86.955%
x		0.248	0.275	39.570	39.670	39.730	84.612%
σ		0.033	0.011	0.151	0.322	0.112	2.723%
%RSD		13.420	3.864	0.382	0.811	0.282	3.218

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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	20:36:24	85.677%	57.580	843.000	881.500	0.000	44650.000	69140.000	69650.000
2	20:37:07	84.420%	58.320	877.200	913.200	0.000	45220.000	68250.000	69490.000
3	20:37:50	85.863%	59.000	876.200	907.700	0.000	44720.000	67090.000	69020.000
x		85.320%	58.300	865.400	900.800	0.000	44860.000	68160.000	69390.000
σ		0.785%	0.713	19.450	16.970	0.000	308.400	1028.000	331.700
%RSD		0.920	1.223	2.248	1.884	0.000	0.687	1.508	0.478

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:36:24	132000.000	8526.000	0.000	55950.000	53270.000	48250.000	91.920%	1532.000
2	20:37:07	131700.000	9504.000	0.000	56840.000	54200.000	48340.000	93.195%	1505.000
3	20:37:50	130800.000	9106.000	0.000	57280.000	54180.000	48560.000	93.141%	1516.000
x		131500.000	9045.000	0.000	56690.000	53880.000	48390.000	92.752%	1518.000
σ		619.400	491.800	0.000	676.900	532.700	160.000	0.721%	13.960
%RSD		0.471	5.437	0.000	1.194	0.989	0.331	0.778	0.919

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:36:24	668.400	383.500	10560.000	401300.000	395300.000	557.300	682.400	423.200
2	20:37:07	660.300	382.200	10530.000	401200.000	395600.000	559.800	690.600	429.700
3	20:37:50	661.500	380.400	10550.000	401700.000	397300.000	560.000	684.500	426.300
x		663.400	382.000	10550.000	401400.000	396100.000	559.000	685.800	426.400
σ		4.395	1.547	15.140	253.100	1078.000	1.522	4.245	3.268
%RSD		0.662	0.405	0.144	0.063	0.272	0.272	0.619	0.766

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:36:24	432.300	1134.000	1147.000	125.500	7.924	15.040	0.000	995.700
2	20:37:07	437.100	1147.000	1156.000	125.100	6.809	13.230	0.000	988.600
3	20:37:50	434.000	1156.000	1161.000	130.300	5.794	16.100	0.000	976.300
x		434.500	1146.000	1155.000	127.000	6.842	14.790	0.000	986.900
σ		2.453	11.440	7.120	2.914	1.065	1.450	0.000	9.815
%RSD		0.565	0.998	0.617	2.295	15.560	9.801	0.000	0.995

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:36:24	0.000	903.500	907.900	80.615%	46.320	46.610	49.540	43.130
2	20:37:07	0.000	904.000	912.200	82.956%	46.100	46.100	49.240	41.270
3	20:37:50	0.000	895.900	911.400	84.168%	45.870	46.280	47.940	43.960
x		0.000	901.200	910.500	82.580%	46.090	46.330	48.910	42.790
σ		0.000	4.522	2.283	1.806%	0.221	0.258	0.852	1.376
%RSD		0.000	0.502	0.251	2.187	0.480	0.556	1.743	3.217

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:36:24	80.725%	1707.000	228.600	226.000	2938.000	2884.000	95.968%	95.563%
2	20:37:07	83.946%	1706.000	229.300	226.700	2928.000	2875.000	97.899%	98.049%
3	20:37:50	85.139%	1697.000	226.700	223.500	2877.000	2845.000	100.661%	99.956%
x		83.270%	1703.000	228.200	225.400	2915.000	2868.000	98.176%	97.856%
σ		2.283%	5.437	1.322	1.706	32.710	20.320	2.359%	2.203%
%RSD		2.742	0.319	0.579	0.757	1.122	0.709	2.402	2.251

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:36:24	47.000	48.010	178.500	176.600	178.700	77.153%
2	20:37:07	46.270	47.820	178.300	178.100	178.400	80.433%
3	20:37:50	47.590	47.810	178.600	174.800	177.000	81.545%
x		46.950	47.880	178.500	176.500	178.000	79.710%
σ		0.660	0.113	0.126	1.645	0.921	2.284%
%RSD		1.406	0.235	0.071	0.932	0.517	2.865

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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	20:40:45	85.745%	55.560	854.400	897.000	0.000	44020.000	64140.000	65060.000
2	20:41:28	85.752%	57.000	883.400	906.800	0.000	44320.000	62800.000	64240.000
3	20:42:10	85.398%	56.190	891.000	916.400	0.000	44130.000	62330.000	64200.000
x		85.632%	56.250	876.300	906.700	0.000	44160.000	63090.000	64500.000
σ		0.203%	0.720	19.350	9.747	0.000	149.300	941.300	486.400
%RSD		0.237	1.281	2.209	1.075	0.000	0.338	1.492	0.754

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:40:45	124100.000	9686.000	0.000	56540.000	51140.000	46310.000	90.931%	1568.000
2	20:41:28	124900.000	9957.000	0.000	57530.000	51690.000	46430.000	91.857%	1551.000
3	20:42:10	125800.000	10240.000	0.000	58560.000	52580.000	46700.000	91.618%	1541.000
x		125000.000	9960.000	0.000	57540.000	51800.000	46480.000	91.469%	1554.000
σ		829.600	275.500	0.000	1014.000	728.800	202.600	0.480%	13.570
%RSD		0.664	2.766	0.000	1.762	1.407	0.436	0.525	0.873

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:40:45	651.700	359.900	8575.000	392300.000	386800.000	541.900	672.800	417.600
2	20:41:28	646.700	357.500	8489.000	390600.000	384100.000	541.200	672.600	416.600
3	20:42:10	650.900	358.300	8567.000	393500.000	387400.000	545.800	673.400	422.500
x		649.700	358.600	8544.000	392100.000	386100.000	543.000	673.000	418.900
σ		2.698	1.231	47.930	1435.000	1760.000	2.502	0.430	3.158
%RSD		0.415	0.343	0.561	0.366	0.456	0.461	0.064	0.754

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:40:45	423.300	1104.000	1110.000	130.400	7.940	12.980	0.000	989.700
2	20:41:28	428.300	1105.000	1110.000	132.500	6.964	16.280	0.000	982.300
3	20:42:10	426.800	1108.000	1122.000	130.600	5.916	17.140	0.000	975.800
x		426.200	1106.000	1114.000	131.100	6.940	15.470	0.000	982.600
σ		2.554	1.940	6.639	1.197	1.012	2.197	0.000	6.927
%RSD		0.599	0.175	0.596	0.913	14.580	14.210	0.000	0.705

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:40:45	0.000	902.900	910.400	79.951%	46.470	46.630	49.260	41.220
2	20:41:28	0.000	887.900	908.900	83.008%	45.430	45.920	46.810	41.460
3	20:42:10	0.000	891.200	899.800	84.228%	46.000	45.100	47.720	41.540
x		0.000	894.000	906.400	82.396%	45.970	45.880	47.930	41.400
σ		0.000	7.894	5.753	2.203%	0.521	0.766	1.239	0.167
%RSD		0.000	0.883	0.635	2.674	1.135	1.670	2.585	0.403

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:40:45	80.414%	1700.000	230.000	224.000	2652.000	2615.000	94.455%	94.629%
2	20:41:28	83.868%	1687.000	227.100	225.800	2625.000	2582.000	97.259%	97.368%
3	20:42:10	85.293%	1671.000	225.700	221.300	2576.000	2567.000	99.627%	98.873%
x		83.192%	1686.000	227.600	223.700	2618.000	2588.000	97.114%	96.956%
σ		2.509%	14.790	2.197	2.239	38.290	24.700	2.589%	2.152%
%RSD		3.016	0.877	0.965	1.001	1.463	0.954	2.666	2.219

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:40:45	47.210	47.660	194.700	194.500	195.000	76.721%
2	20:41:28	46.960	47.170	193.200	191.900	193.200	79.748%
3	20:42:10	47.650	47.280	193.700	191.100	192.600	81.095%
x		47.270	47.370	193.900	192.500	193.600	79.188%
σ		0.346	0.261	0.785	1.778	1.235	2.240%
%RSD		0.732	0.550	0.405	0.924	0.638	2.829

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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	20:45:05	88.649%	65.320	1045.000	1093.000	0.000	292.100	20520.000	21110.000
2	20:45:48	90.929%	61.510	1061.000	1089.000	0.000	290.500	20440.000	21040.000
3	20:46:31	91.004%	61.030	1055.000	1080.000	0.000	282.800	20030.000	20560.000
x		90.194%	62.620	1054.000	1087.000	0.000	288.500	20330.000	20900.000
σ		1.339%	2.349	7.790	6.511	0.000	4.985	262.400	298.000
%RSD		1.485	3.750	0.739	0.599	0.000	1.728	1.291	1.426

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:45:05	89920.000	5419.000	0.000	8564.000	9508.000	8189.000	93.667%	814.800
2	20:45:48	89180.000	5444.000	0.000	8749.000	9593.000	8256.000	93.656%	823.000
3	20:46:31	87390.000	5355.000	0.000	8640.000	9526.000	8128.000	95.218%	812.400
x		88830.000	5406.000	0.000	8651.000	9542.000	8191.000	94.180%	816.700
σ		1300.000	45.900	0.000	93.140	44.660	63.710	0.899%	5.572
%RSD		1.463	0.849	0.000	1.077	0.468	0.778	0.955	0.682

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:45:05	685.700	353.800	12440.000	384400.000	377800.000	636.300	735.600	464.900
2	20:45:48	681.300	352.900	12490.000	386300.000	380300.000	637.400	743.800	469.800
3	20:46:31	678.500	349.000	12290.000	380900.000	375300.000	632.500	734.100	466.600
x		681.800	351.900	12410.000	383900.000	377800.000	635.400	737.800	467.100
σ		3.628	2.567	102.600	2740.000	2516.000	2.558	5.226	2.461
%RSD		0.532	0.729	0.827	0.714	0.666	0.403	0.708	0.527

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:45:05	472.200	1176.000	1185.000	137.400	11.190	19.130	0.000	1103.000
2	20:45:48	479.100	1191.000	1208.000	137.900	8.338	19.910	0.000	1095.000
3	20:46:31	473.200	1197.000	1196.000	135.700	6.201	19.790	0.000	1091.000
x		474.800	1188.000	1196.000	137.000	8.576	19.610	0.000	1096.000
σ		3.748	10.760	11.500	1.178	2.503	0.418	0.000	6.377
%RSD		0.789	0.906	0.961	0.860	29.180	2.130	0.000	0.582

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:45:05	0.000	18.060	17.330	83.196%	55.340	55.300	55.910	55.810
2	20:45:48	0.000	14.580	14.740	85.687%	55.640	56.040	56.840	55.260
3	20:46:31	0.000	13.620	13.280	86.389%	55.060	55.490	55.200	55.180
x		0.000	15.420	15.120	85.091%	55.350	55.610	55.980	55.420
σ		0.000	2.333	2.055	1.678%	0.294	0.382	0.819	0.346
%RSD		0.000	15.130	13.590	1.972	0.532	0.686	1.463	0.624

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:45:05	82.335%	23.870	1.899	1.797	3078.000	3045.000	97.287%	95.982%
2	20:45:48	85.138%	19.080	1.700	1.790	3063.000	3013.000	100.297%	99.526%
3	20:46:31	85.866%	16.740	1.642	1.624	3055.000	3006.000	100.840%	100.302%
x		84.446%	19.900	1.747	1.737	3065.000	3021.000	99.475%	98.603%
σ		1.865%	3.632	0.135	0.098	11.740	20.770	1.914%	2.303%
%RSD		2.208	18.250	7.720	5.630	0.383	0.687	1.924	2.336

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:45:05	53.630	54.640	228.100	227.800	228.300	79.884%
2	20:45:48	53.650	54.520	229.700	226.000	228.200	82.799%
3	20:46:31	53.630	54.040	226.900	225.200	226.600	83.576%
x		53.640	54.400	228.200	226.300	227.700	82.087%
σ		0.011	0.321	1.380	1.319	0.931	1.946%
%RSD		0.021	0.590	0.605	0.583	0.409	2.371

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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	20:49:26	88.370%	9.525	27.150	29.310	0.000	352.400	21460.000	22090.000
2	20:50:09	91.647%	9.196	21.730	26.910	0.000	344.100	20850.000	21490.000
3	20:50:52	90.976%	9.982	23.030	24.890	0.000	339.200	20570.000	21530.000
x		90.331%	9.568	23.970	27.040	0.000	345.200	20960.000	21700.000
σ		1.731%	0.395	2.829	2.212	0.000	6.650	457.400	338.200
%RSD		1.916	4.126	11.800	8.181	0.000	1.926	2.182	1.559

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:49:26	90560.000	4911.000	0.000	9008.000	11500.000	10640.000	93.376%	817.700
2	20:50:09	88570.000	4873.000	0.000	9042.000	11560.000	10740.000	94.707%	802.100
3	20:50:52	89560.000	4862.000	0.000	9174.000	11850.000	10720.000	94.793%	795.500
x		89560.000	4882.000	0.000	9075.000	11640.000	10700.000	94.292%	805.100
σ		996.200	25.630	0.000	87.670	185.900	52.150	0.794%	11.400
%RSD		1.112	0.525	0.000	0.966	1.597	0.487	0.842	1.415

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:49:26	220.500	199.500	14330.000	358500.000	349500.000	150.100	257.300	233.800
2	20:50:09	218.500	198.200	14130.000	354800.000	350000.000	151.000	261.100	236.400
3	20:50:52	216.300	197.900	14190.000	356500.000	349800.000	151.200	260.500	235.200
x		218.400	198.500	14220.000	356600.000	349800.000	150.800	259.600	235.100
σ		2.114	0.842	104.300	1886.000	255.400	0.607	2.061	1.291
%RSD		0.968	0.424	0.734	0.529	0.073	0.403	0.794	0.549

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:49:26	237.600	716.700	718.900	130.400	0.169	11.600	0.000	107.300
2	20:50:09	238.600	712.400	724.400	133.100	-2.262	7.737	0.000	106.100
3	20:50:52	237.600	726.300	724.900	132.600	-0.457	10.840	0.000	105.400
x		237.900	718.500	722.700	132.000	-0.850	10.060	0.000	106.300
σ		0.562	7.109	3.336	1.420	1.262	2.046	0.000	0.955
%RSD		0.236	0.989	0.462	1.076	148.500	20.340	0.000	0.899

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:49:26	0.000	8.900	8.591	82.863%	0.316	0.191	5.599	5.141
2	20:50:09	0.000	8.229	8.617	85.367%	0.352	0.180	5.499	4.866
3	20:50:52	0.000	7.889	8.289	85.965%	0.268	0.219	5.894	5.076
x		0.000	8.339	8.499	84.732%	0.312	0.197	5.664	5.028
σ		0.000	0.515	0.182	1.646%	0.042	0.020	0.205	0.144
%RSD		0.000	6.173	2.143	1.942	13.560	10.280	3.623	2.859

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:49:26	82.326%	13.990	1.575	1.468	1100.000	1085.000	96.520%	95.552%
2	20:50:09	84.393%	12.620	1.547	1.576	1093.000	1070.000	99.863%	97.362%
3	20:50:52	84.735%	12.860	1.621	1.428	1101.000	1084.000	100.021%	99.776%
x		83.818%	13.160	1.581	1.490	1098.000	1080.000	98.801%	97.563%
σ		1.303%	0.732	0.038	0.077	4.080	8.267	1.977%	2.119%
%RSD		1.555	5.564	2.381	5.136	0.372	0.766	2.001	2.172

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:49:26	1.916	2.061	211.000	208.300	210.100	77.520%
2	20:50:09	1.732	1.696	210.000	207.200	209.800	80.487%
3	20:50:52	1.539	1.707	211.800	209.100	211.200	81.043%
x		1.729	1.821	211.000	208.200	210.400	79.683%
σ		0.189	0.208	0.913	0.954	0.711	1.894%
%RSD		10.900	11.410	0.433	0.458	0.338	2.377

CCV 526714 9/6/2012 8:55:58 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:41	86.696%	102.200	94.150	98.390	0.000	50660.000	46560.000	46590.000
2	20:57:24	87.407%	100.100	91.950	101.300	0.000	49870.000	45350.000	46420.000
3	20:58:07	87.612%	100.500	94.890	102.200	0.000	49770.000	44950.000	46190.000
x		87.238%	100.910%	93.659%	100.601%	0.000	100.199%	91.242%	92.800%
σ		0.481%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.551	1.087	1.633	1.959	0.000	0.972	1.837	0.432

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:41	487.400	4990.000	0.000	53850.000	50070.000	47220.000	84.322%	94.840
2	20:57:24	494.800	5028.000	0.000	54480.000	50620.000	47160.000	85.728%	96.180
3	20:58:07	495.300	5004.000	0.000	54240.000	51310.000	47020.000	85.877%	94.520
x		98.501%	100.146%	0.000	108.381%	101.337%	94.268%	85.309%	95.182%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.858%	n/a
%RSD		0.891	0.379	0.000	0.585	1.231	0.218	1.006	0.926

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:41	95.440	96.880	487.300	26030.000	25010.000	101.100	101.700	103.300
2	20:57:24	94.310	95.930	484.800	25830.000	24800.000	101.000	102.300	102.900
3	20:58:07	93.770	95.840	483.100	25840.000	24900.000	100.900	101.400	104.700
x		94.506%	96.217%	97.016%	103.600%	99.615%	100.977%	101.788%	103.613%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.903	0.600	0.444	0.436	0.431	0.087	0.438	0.922

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:41	105.200	106.000	106.700	104.600	92.010	99.610	0.000	100.300
2	20:57:24	105.000	105.500	105.900	105.100	94.600	106.000	0.000	99.780
3	20:58:07	105.500	107.300	107.000	104.800	92.900	107.300	0.000	99.270
x		105.228%	106.313%	106.545%	104.827%	93.170%	104.294%	0.000	99.776%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.245	0.875	0.525	0.204	1.416	3.934	0.000	0.500

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:41	83.573%	98.050	99.380	83.079%	100.800	100.900	98.550	99.510
2	20:57:24	84.936%	100.600	101.700	85.018%	102.000	100.800	101.400	102.600
3	20:58:07	85.137%	102.200	102.500	86.032%	101.100	101.800	99.950	101.800
x		84.549%	100.301%	101.209%	84.710%	101.269%	101.151%	99.951%	101.302%
σ		0.851%	n/a	n/a	1.500%	n/a	n/a	n/a	n/a
%RSD		1.007	2.096	1.618	1.771	0.612	0.514	1.401	1.575

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:41	84.217%	99.410	99.920	98.100	99.830	98.700	85.386%	85.018%
2	20:57:24	85.924%	98.850	100.700	100.300	100.100	100.100	87.394%	88.492%
3	20:58:07	86.943%	98.710	99.860	98.680	99.070	97.830	89.290%	89.790%
x		85.695%	98.989%	100.171%	99.022%	99.673%	98.889%	87.357%	87.767%
σ		1.377%	n/a	n/a	n/a	n/a	n/a	1.952%	2.467%
%RSD		1.607	0.374	0.485	1.145	0.548	1.178	2.234	2.811

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:56:41	100.200	101.200	102.700	102.400	102.400	82.988%
2	20:57:24	100.600	101.400	103.500	102.800	102.900	85.598%
3	20:58:07	101.100	100.700	102.000	102.800	102.400	86.268%
x		100.643%	101.069%	102.771%	102.634%	102.563%	84.951%
σ		n/a	n/a	n/a	n/a	n/a	1.733%
%RSD		0.464	0.365	0.723	0.227	0.295	2.040

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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	21:04:40	97.571%	-0.007	0.479	0.416	0.000	4.970	7.227	5.041
2	21:05:23	99.713%	0.064	1.557	0.558	0.000	5.312	6.573	5.881
3	21:06:06	100.072%	0.034	-0.092	0.471	0.000	5.622	7.811	6.669
x		99.119%	0.030	0.648	0.482	0.000	5.301	7.204	5.864
σ		1.353%	0.036	0.838	0.072	0.000	0.326	0.619	0.814
%RSD		1.365	118.300	129.200	14.900	0.000	6.148	8.597	13.890

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:04:40	2.585	4.354	0.000	61.920	35.140	14.690	91.553%	0.019
2	21:05:23	2.521	5.455	0.000	65.800	10.320	14.930	92.177%	-0.009
3	21:06:06	3.544	4.019	0.000	60.320	18.800	20.820	94.178%	-0.040
x		2.883	4.609	0.000	62.680	21.420	16.820	92.636%	-0.010
σ		0.573	0.751	0.000	2.815	12.610	3.472	1.371%	0.030
%RSD		19.870	16.300	0.000	4.490	58.870	20.650	1.480	297.900

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:04:40	-0.339	0.053	0.355	12.080	57.190	0.023	-0.141	0.272
2	21:05:23	0.023	0.031	0.405	7.629	62.580	0.024	-0.096	0.285
3	21:06:06	0.063	0.063	0.532	7.629	57.620	0.034	-0.128	0.222
x		-0.084	0.049	0.431	9.114	59.130	0.027	-0.122	0.260
σ		0.221	0.016	0.091	2.571	2.995	0.006	0.023	0.033
%RSD		262.400	33.010	21.140	28.210	5.066	21.740	18.980	12.870

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:04:40	0.318	-0.329	-0.252	-0.164	-4.813	-0.220	0.000	0.095
2	21:05:23	0.228	-0.397	-0.316	0.319	-7.329	1.393	0.000	0.097
3	21:06:06	0.243	-0.378	-0.325	0.141	-5.056	0.523	0.000	0.062
x		0.263	-0.368	-0.298	0.098	-5.733	0.565	0.000	0.085
σ		0.048	0.035	0.040	0.244	1.387	0.807	0.000	0.019
%RSD		18.330	9.526	13.500	248.500	24.200	142.700	0.000	22.860

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:04:40	92.193%	0.445	0.476	87.788%	0.004	-0.004	0.071	0.033
2	21:05:23	94.966%	0.392	0.491	91.438%	-0.008	0.003	-0.012	0.009
3	21:06:06	95.675%	0.365	0.376	93.285%	-0.001	0.029	0.021	0.060
x		94.278%	0.401	0.448	90.837%	-0.002	0.009	0.027	0.034
σ		1.840%	0.041	0.062	2.797%	0.006	0.018	0.042	0.025
%RSD		1.952	10.210	13.910	3.079	342.600	194.700	156.400	74.040

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:04:40	87.824%	-0.045	0.037	0.084	0.091	0.087	86.834%	88.056%
2	21:05:23	91.746%	-0.007	0.040	0.051	0.058	0.059	91.434%	91.882%
3	21:06:06	92.833%	-0.113	0.065	0.043	0.096	0.072	93.016%	93.468%
x		90.801%	-0.055	0.047	0.060	0.082	0.073	90.428%	91.136%
σ		2.635%	0.054	0.015	0.022	0.021	0.014	3.211%	2.782%
%RSD		2.902	98.300	31.770	36.270	25.360	19.650	3.551	3.053

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:04:40	0.005	0.011	0.309	0.356	0.343	105.172%
2	21:05:23	0.023	0.013	0.315	0.238	0.300	109.795%
3	21:06:06	-0.012	0.004	0.253	0.326	0.270	112.485%
x		0.005	0.010	0.292	0.306	0.304	109.151%
σ		0.017	0.005	0.034	0.061	0.037	3.699%
%RSD		334.400	47.460	11.680	20.030	12.100	3.389

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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	21:09:02	99.174%	-0.037	-0.041	-0.113	0.000	17.310	8.756	7.985
2	21:09:45	97.277%	0.008	-1.531	-0.015	0.000	19.160	10.920	10.840
3	21:10:28	97.643%	0.067	0.240	-0.677	0.000	17.580	7.971	10.010
x		98.031%	0.012	-0.444	-0.268	0.000	18.020	9.217	9.611
σ		1.006%	0.052	0.952	0.357	0.000	0.997	1.530	1.467
%RSD		1.026	425.300	214.300	133.100	0.000	5.534	16.600	15.270

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:09:02	5.320	7.197	0.000	62.550	36.190	30.820	89.466%	0.135
2	21:09:45	6.654	8.524	0.000	70.530	44.650	34.790	91.106%	0.128
3	21:10:28	7.588	9.661	0.000	72.050	38.280	38.770	91.422%	0.100
x		6.521	8.461	0.000	68.370	39.710	34.790	90.665%	0.121
σ		1.140	1.233	0.000	5.103	4.408	3.971	1.050%	0.019
%RSD		17.480	14.580	0.000	7.464	11.100	11.410	1.158	15.280

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:09:02	1.197	0.783	0.650	21.490	68.830	0.005	-0.048	0.549
2	21:09:45	0.606	0.847	0.780	18.760	64.280	0.019	-0.036	0.544
3	21:10:28	0.335	0.866	0.793	14.940	53.160	0.010	-0.027	0.575
x		0.713	0.832	0.741	18.390	62.090	0.011	-0.037	0.556
σ		0.441	0.044	0.079	3.287	8.061	0.007	0.010	0.016
%RSD		61.850	5.250	10.700	17.870	12.980	63.610	28.190	2.934

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:09:02	0.418	0.713	0.752	0.029	-4.209	1.146	0.000	0.108
2	21:09:45	0.565	0.652	0.658	0.420	-5.666	-0.267	0.000	0.108
3	21:10:28	0.600	0.629	0.598	-0.440	-5.863	0.483	0.000	0.095
x		0.528	0.664	0.669	0.003	-5.246	0.454	0.000	0.104
σ		0.097	0.043	0.078	0.430	0.903	0.707	0.000	0.007
%RSD		18.330	6.532	11.630	13730.000	17.220	155.700	0.000	7.087

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:09:02	89.349%	0.544	0.442	86.435%	-0.012	-0.010	0.166	0.039
2	21:09:45	92.826%	0.447	0.469	89.385%	-0.016	-0.002	-0.010	-0.060
3	21:10:28	93.470%	0.466	0.364	90.574%	-0.011	-0.005	0.039	0.024
x		91.882%	0.486	0.425	88.798%	-0.013	-0.006	0.065	0.001
σ		2.217%	0.051	0.055	2.131%	0.003	0.004	0.091	0.053
%RSD		2.413	10.540	12.860	2.400	20.230	67.270	139.900	5493.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:09:02	85.224%	3.555	0.053	0.044	0.120	0.120	88.567%	87.192%
2	21:09:45	89.445%	3.489	0.042	0.060	0.224	0.153	90.286%	89.704%
3	21:10:28	90.761%	2.986	0.081	0.041	0.180	0.151	90.915%	90.815%
x		88.477%	3.344	0.059	0.049	0.175	0.141	89.922%	89.237%
σ		2.893%	0.311	0.020	0.010	0.052	0.019	1.216%	1.856%
%RSD		3.270	9.309	34.130	20.830	29.650	13.160	1.352	2.080

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:09:02	0.099	0.105	0.102	0.134	0.108	104.317%
2	21:09:45	0.075	0.068	0.146	0.156	0.146	106.909%
3	21:10:28	0.047	0.041	0.092	0.153	0.121	108.208%
x		0.073	0.071	0.113	0.148	0.125	106.478%
σ		0.026	0.032	0.028	0.012	0.019	1.981%
%RSD		35.340	45.140	25.110	8.220	15.550	1.860

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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	21:13:21	94.232%	44.580	888.600	916.300	0.000	43890.000	40210.000	33520.000
2	21:14:04	93.912%	45.070	896.700	945.800	0.000	43820.000	39480.000	34420.000
3	21:14:47	92.382%	45.130	945.900	971.400	0.000	44520.000	39580.000	41110.000
x		93.508%	44.920	910.400	944.500	0.000	44080.000	39760.000	36350.000
σ		0.989%	0.299	31.010	27.570	0.000	386.300	396.900	4148.000
%RSD		1.057	0.666	3.406	2.919	0.000	0.876	0.998	11.410

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:13:21	1636.000	5923.000	0.000	49700.000	48400.000	44990.000	75.940%	915.300
2	21:14:04	1670.000	6066.000	0.000	50950.000	49760.000	45350.000	76.702%	916.600
3	21:14:47	1685.000	6151.000	0.000	51390.000	50100.000	45360.000	78.525%	907.200
x		1664.000	6046.000	0.000	50680.000	49420.000	45230.000	77.056%	913.000
σ		25.320	115.300	0.000	877.200	898.000	209.100	1.328%	5.086
%RSD		1.522	1.907	0.000	1.731	1.817	0.462	1.724	0.557

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:13:21	461.000	192.500	462.000	1049.000	1432.000	464.800	470.900	240.600
2	21:14:04	457.400	192.200	466.500	1055.000	1414.000	469.400	475.200	242.200
3	21:14:47	455.100	191.200	463.000	1044.000	1391.000	469.100	477.200	244.500
x		457.800	192.000	463.900	1050.000	1412.000	467.800	474.500	242.400
σ		2.991	0.690	2.368	5.122	20.350	2.549	3.210	1.964
%RSD		0.653	0.359	0.510	0.488	1.441	0.545	0.676	0.810

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:13:21	243.700	467.800	468.800	38.570	7.892	13.300	0.000	850.400
2	21:14:04	244.200	482.000	476.300	40.360	3.936	11.370	0.000	848.200
3	21:14:47	246.900	473.700	475.700	39.310	3.942	9.723	0.000	847.700
x		244.900	474.500	473.600	39.410	5.256	11.460	0.000	848.700
σ		1.732	7.138	4.179	0.900	2.282	1.791	0.000	1.459
%RSD		0.707	1.504	0.882	2.283	43.420	15.630	0.000	0.172

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:13:21	80.650%	921.300	934.000	76.477%	47.250	48.430	47.800	42.510
2	21:14:04	82.833%	915.900	943.600	78.804%	47.680	47.400	46.570	41.380
3	21:14:47	84.381%	927.800	944.500	80.436%	47.050	48.390	47.040	42.010
x		82.621%	921.700	940.700	78.573%	47.330	48.070	47.140	41.970
σ		1.874%	5.938	5.810	1.990%	0.321	0.583	0.617	0.565
%RSD		2.268	0.644	0.618	2.532	0.678	1.213	1.309	1.347

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:13:21	75.875%	1800.000	459.700	456.700	1821.000	1808.000	79.090%	80.484%
2	21:14:04	78.761%	1792.000	463.200	452.500	1807.000	1788.000	82.462%	83.255%
3	21:14:47	81.119%	1805.000	458.800	455.400	1803.000	1795.000	83.269%	84.744%
x		78.585%	1799.000	460.500	454.900	1810.000	1797.000	81.607%	82.828%
σ		2.626%	6.098	2.313	2.187	9.110	10.190	2.217%	2.162%
%RSD		3.342	0.339	0.502	0.481	0.503	0.567	2.717	2.610

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:13:21	47.730	47.730	19.930	19.640	19.690	75.063%
2	21:14:04	47.560	47.670	19.490	19.340	19.600	78.490%
3	21:14:47	48.620	48.220	19.310	19.320	19.310	80.294%
x		47.970	47.870	19.580	19.430	19.530	77.949%
σ		0.567	0.304	0.319	0.183	0.200	2.657%
%RSD		1.183	0.636	1.628	0.940	1.026	3.409

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:20:35	96.646%	6.068	18.980	19.010	0.000	243.300	17360.000	17500.000
2	21:21:18	95.511%	5.963	21.130	19.220	0.000	245.800	17120.000	17760.000
3	21:22:01	96.524%	5.887	18.360	18.950	0.000	240.800	16820.000	17610.000
x		96.227%	5.973	19.490	19.060	0.000	243.300	17100.000	17620.000
σ		0.623%	0.091	1.452	0.141	0.000	2.527	269.200	129.100
%RSD		0.647	1.527	7.448	0.740	0.000	1.039	1.574	0.733

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:20:35	73850.000	7644.000	0.000	8746.000	5911.000	5442.000	90.441%	698.800
2	21:21:18	75160.000	7725.000	0.000	8990.000	6164.000	5530.000	91.586%	697.400
3	21:22:01	74880.000	7719.000	0.000	9021.000	6130.000	5477.000	92.223%	691.900
x		74630.000	7696.000	0.000	8919.000	6068.000	5483.000	91.417%	696.000
σ		689.900	44.700	0.000	150.800	137.400	44.180	0.903%	3.657
%RSD		0.924	0.581	0.000	1.690	2.265	0.806	0.988	0.525

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:20:35	195.400	145.900	8288.000	267800.000	262900.000	117.600	179.400	158.200
2	21:21:18	197.400	146.500	8187.000	266200.000	261900.000	118.300	182.500	159.900
3	21:22:01	194.900	146.100	8209.000	266300.000	261500.000	118.000	181.900	160.700
x		195.900	146.200	8228.000	266800.000	262100.000	118.000	181.200	159.600
σ		1.334	0.305	52.860	907.900	727.600	0.328	1.651	1.262
%RSD		0.681	0.209	0.642	0.340	0.278	0.278	0.911	0.791

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:20:35	158.600	517.600	526.200	90.570	0.469	9.161	0.000	77.310
2	21:21:18	162.000	528.300	534.400	93.820	-2.157	8.275	0.000	76.760
3	21:22:01	160.600	529.700	536.700	96.600	-2.948	8.121	0.000	76.480
x		160.400	525.200	532.400	93.660	-1.545	8.519	0.000	76.850
σ		1.718	6.626	5.565	3.017	1.789	0.562	0.000	0.420
%RSD		1.071	1.262	1.045	3.221	115.800	6.591	0.000	0.547

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:20:35	0.000	10.650	10.150	81.646%	0.180	0.092	1.021	0.752
2	21:21:18	0.000	9.277	9.513	84.762%	0.163	0.087	1.340	1.035
3	21:22:01	0.000	8.936	9.073	85.185%	0.173	0.087	1.786	1.139
x		0.000	9.623	9.578	83.864%	0.172	0.089	1.382	0.975
σ		0.000	0.910	0.540	1.933%	0.009	0.003	0.384	0.200
%RSD		0.000	9.456	5.643	2.304	5.128	3.607	27.810	20.530

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:20:35	79.754%	43.190	2.170	2.134	811.900	804.500	88.906%	88.442%
2	21:21:18	84.061%	35.030	1.940	1.987	801.900	794.500	92.400%	91.485%
3	21:22:01	84.416%	30.130	2.014	1.953	807.700	800.600	92.407%	92.744%
x		82.744%	36.120	2.041	2.025	807.200	799.900	91.238%	90.890%
σ		2.595%	6.596	0.117	0.096	4.998	5.030	2.019%	2.212%
%RSD		3.137	18.260	5.744	4.755	0.619	0.629	2.213	2.434

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:20:35	1.257	1.250	137.400	134.800	136.400	79.196%
2	21:21:18	1.122	1.206	138.400	136.400	137.000	81.521%
3	21:22:01	1.208	1.074	137.400	136.500	137.100	82.496%
x		1.196	1.177	137.700	135.900	136.800	81.071%
σ		0.068	0.091	0.565	0.947	0.395	1.695%
%RSD		5.725	7.776	0.410	0.697	0.289	2.091

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:24:53	91.330%	1.054	6.958	3.926	0.000	53.930	3260.000	3371.000
2	21:25:36	93.835%	1.148	2.128	2.983	0.000	53.190	3237.000	3405.000
3	21:26:19	93.361%	1.106	2.518	3.940	0.000	50.830	3221.000	3374.000
x		92.842%	1.103	3.868	3.616	0.000	52.650	3240.000	3383.000
σ		1.331%	0.047	2.683	0.548	0.000	1.617	19.630	18.490
%RSD		1.433	4.285	69.370	15.160	0.000	3.070	0.606	0.546

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:24:53	14540.000	1511.000	0.000	1707.000	1283.000	1107.000	87.649%	133.600
2	21:25:36	14480.000	1519.000	0.000	1754.000	1227.000	1089.000	88.389%	133.100
3	21:26:19	14540.000	1529.000	0.000	1746.000	1195.000	1085.000	89.396%	129.300
x		14520.000	1520.000	0.000	1736.000	1235.000	1094.000	88.478%	132.000
σ		38.580	8.926	0.000	24.970	44.880	11.410	0.877%	2.346
%RSD		0.266	0.587	0.000	1.439	3.635	1.043	0.991	1.777

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:24:53	36.860	28.170	1495.000	52560.000	49090.000	22.220	34.690	31.460
2	21:25:36	37.590	28.230	1495.000	52610.000	49660.000	22.370	34.440	31.050
3	21:26:19	37.290	28.290	1504.000	52440.000	49640.000	22.410	34.550	31.430
x		37.240	28.230	1498.000	52540.000	49460.000	22.340	34.560	31.310
σ		0.368	0.059	5.103	84.560	324.000	0.101	0.127	0.230
%RSD		0.989	0.210	0.341	0.161	0.655	0.451	0.368	0.735

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:24:53	31.950	102.200	101.400	16.650	-7.167	1.049	0.000	13.300
2	21:25:36	32.550	105.300	100.800	17.690	-8.500	1.591	0.000	13.300
3	21:26:19	30.960	101.000	101.300	16.900	-7.583	-0.171	0.000	13.320
x		31.820	102.800	101.200	17.080	-7.750	0.823	0.000	13.310
σ		0.801	2.206	0.281	0.541	0.682	0.902	0.000	0.011
%RSD		2.518	2.145	0.278	3.167	8.798	109.600	0.000	0.083

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:24:53	95.049%	2.019	1.783	88.466%	0.012	0.004	0.165	0.182
2	21:25:36	97.962%	1.808	1.627	91.488%	0.023	-0.005	0.203	0.175
3	21:26:19	98.279%	1.807	1.604	92.890%	0.010	0.039	0.310	0.263
x		97.097%	1.878	1.671	90.948%	0.015	0.013	0.226	0.207
σ		1.780%	0.122	0.097	2.261%	0.007	0.024	0.075	0.049
%RSD		1.834	6.481	5.803	2.486	49.550	187.800	33.130	23.620

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:24:53	87.867%	4.405	0.517	0.465	152.600	150.700	89.369%	89.846%
2	21:25:36	91.866%	4.287	0.459	0.388	152.000	152.000	92.042%	93.499%
3	21:26:19	92.940%	4.026	0.456	0.478	151.900	149.500	93.371%	94.803%
x		90.891%	4.240	0.477	0.444	152.200	150.700	91.594%	92.716%
σ		2.673%	0.194	0.035	0.048	0.360	1.245	2.038%	2.570%
%RSD		2.941	4.572	7.298	10.920	0.237	0.826	2.225	2.772

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:24:53	0.180	0.205	26.830	26.840	27.060	79.118%
2	21:25:36	0.202	0.219	26.890	26.780	27.110	83.172%
3	21:26:19	0.204	0.187	27.350	26.670	26.980	83.827%
x		0.196	0.204	27.020	26.760	27.050	82.039%
σ		0.013	0.016	0.286	0.088	0.064	2.551%
%RSD		6.690	7.831	1.059	0.328	0.237	3.109

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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	21:29:13	88.860%	55.440	1006.000	1010.000	0.000	45710.000	62660.000	63790.000
2	21:29:56	88.851%	53.820	1022.000	1013.000	0.000	45270.000	60600.000	62920.000
3	21:30:39	88.540%	56.780	1020.000	1040.000	0.000	45380.000	60870.000	62840.000
x		88.750%	55.350	1016.000	1021.000	0.000	45450.000	61380.000	63180.000
σ		0.182%	1.482	8.934	16.810	0.000	225.400	1116.000	527.000
%RSD		0.205	2.678	0.879	1.646	0.000	0.496	1.819	0.834

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:29:13	119400.000	17570.000	0.000	62210.000	51770.000	47620.000	86.313%	1677.000
2	21:29:56	118800.000	17680.000	0.000	62700.000	52330.000	47370.000	87.945%	1670.000
3	21:30:39	118700.000	17590.000	0.000	63360.000	52330.000	47480.000	87.397%	1673.000
x		119000.000	17620.000	0.000	62760.000	52140.000	47490.000	87.218%	1673.000
σ		389.400	58.550	0.000	580.100	323.900	126.400	0.831%	3.387
%RSD		0.327	0.332	0.000	0.924	0.621	0.266	0.953	0.202

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:29:13	664.500	341.200	9191.000	267900.000	262900.000	590.800	650.700	388.400
2	21:29:56	659.800	338.900	9106.000	264800.000	261200.000	589.100	648.900	386.500
3	21:30:39	660.400	340.000	9190.000	266800.000	263600.000	593.100	652.900	394.400
x		661.600	340.000	9162.000	266500.000	262600.000	591.000	650.800	389.700
σ		2.599	1.150	48.660	1606.000	1208.000	2.001	1.998	4.133
%RSD		0.393	0.338	0.531	0.603	0.460	0.339	0.307	1.061

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:29:13	395.300	988.000	988.600	130.000	7.035	10.890	0.000	1059.000
2	21:29:56	397.600	992.600	991.500	131.000	5.799	10.640	0.000	1047.000
3	21:30:39	401.100	997.200	1004.000	132.500	5.204	15.170	0.000	1045.000
x		398.000	992.600	994.700	131.200	6.013	12.230	0.000	1050.000
σ		2.912	4.597	8.131	1.263	0.934	2.548	0.000	7.867
%RSD		0.732	0.463	0.817	0.963	15.530	20.830	0.000	0.749

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:29:13	0.000	970.700	971.400	77.183%	48.630	48.510	50.450	43.170
2	21:29:56	0.000	954.600	974.800	79.591%	48.440	49.180	50.550	43.580
3	21:30:39	0.000	957.600	967.900	80.476%	48.420	48.050	50.570	42.930
x		0.000	961.000	971.400	79.083%	48.500	48.580	50.520	43.230
σ		0.000	8.578	3.497	1.704%	0.116	0.569	0.061	0.324
%RSD		0.000	0.893	0.360	2.155	0.239	1.171	0.120	0.750

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:29:13	77.469%	1805.000	321.800	319.000	2685.000	2648.000	86.140%	85.830%
2	21:29:56	79.543%	1828.000	323.300	318.600	2686.000	2657.000	87.887%	88.408%
3	21:30:39	81.152%	1809.000	320.000	317.600	2643.000	2611.000	90.010%	90.177%
x		79.388%	1814.000	321.700	318.400	2671.000	2639.000	88.012%	88.138%
σ		1.847%	12.600	1.654	0.745	24.390	24.290	1.938%	2.186%
%RSD		2.326	0.694	0.514	0.234	0.913	0.920	2.202	2.480

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:29:13	49.500	50.170	164.400	165.300	165.500	75.431%
2	21:29:56	49.290	49.750	165.000	162.700	163.600	78.984%
3	21:30:39	49.500	49.580	163.900	162.500	163.100	79.636%
x		49.430	49.830	164.400	163.500	164.100	78.017%
σ		0.121	0.301	0.538	1.548	1.273	2.263%
%RSD		0.246	0.603	0.328	0.947	0.776	2.901

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:33:32	86.660%	56.150	982.200	997.700	0.000	44960.000	62150.000	62960.000
2	21:34:15	87.315%	56.020	987.900	1014.000	0.000	44620.000	60570.000	62890.000
3	21:34:58	86.766%	56.450	1002.000	1006.000	0.000	44660.000	60140.000	62720.000
x		86.914%	56.200	990.700	1006.000	0.000	44750.000	60950.000	62860.000
σ		0.352%	0.223	10.220	8.386	0.000	183.000	1058.000	121.800
%RSD		0.405	0.397	1.032	0.833	0.000	0.409	1.736	0.194

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:33:32	121200.000	17320.000	0.000	60620.000	50380.000	46390.000	85.653%	1637.000
2	21:34:15	121300.000	17370.000	0.000	62000.000	51290.000	46420.000	86.750%	1637.000
3	21:34:58	121800.000	17540.000	0.000	62920.000	51530.000	46680.000	86.258%	1638.000
x		121400.000	17410.000	0.000	61850.000	51070.000	46500.000	86.220%	1637.000
σ		325.000	118.100	0.000	1158.000	607.200	162.100	0.549%	0.508
%RSD		0.268	0.678	0.000	1.873	1.189	0.349	0.637	0.031

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:33:32	661.900	342.500	9833.000	288400.000	283200.000	576.100	642.200	384.000
2	21:34:15	651.100	339.800	9820.000	287200.000	283300.000	573.800	643.500	389.200
3	21:34:58	652.700	336.800	9844.000	289400.000	285500.000	577.500	649.700	389.800
x		655.200	339.700	9833.000	288400.000	284000.000	575.800	645.100	387.700
σ		5.854	2.884	12.030	1098.000	1325.000	1.852	4.021	3.188
%RSD		0.893	0.849	0.122	0.381	0.467	0.322	0.623	0.822

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:33:32	391.400	995.600	1012.000	133.400	10.010	11.830	0.000	1046.000
2	21:34:15	392.900	1003.000	998.400	131.700	7.378	12.760	0.000	1041.000
3	21:34:58	393.600	1013.000	1012.000	129.400	6.238	10.470	0.000	1031.000
x		392.600	1004.000	1008.000	131.500	7.876	11.690	0.000	1039.000
σ		1.118	8.695	7.961	2.019	1.935	1.152	0.000	7.424
%RSD		0.285	0.866	0.790	1.536	24.570	9.851	0.000	0.715

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:33:32	0.000	946.500	946.500	76.336%	46.610	47.120	47.320	42.680
2	21:34:15	0.000	941.300	953.200	78.546%	48.410	47.030	48.350	42.110
3	21:34:58	0.000	937.200	952.900	80.190%	47.210	47.040	48.000	42.830
x		0.000	941.700	950.800	78.357%	47.410	47.060	47.890	42.540
σ		0.000	4.618	3.765	1.934%	0.919	0.049	0.524	0.381
%RSD		0.000	0.490	0.396	2.468	1.938	0.104	1.094	0.896

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:33:32	75.866%	1776.000	313.000	308.900	2642.000	2622.000	86.089%	84.841%
2	21:34:15	78.375%	1781.000	313.600	310.500	2667.000	2638.000	87.841%	88.032%
3	21:34:58	80.310%	1766.000	310.500	304.500	2625.000	2595.000	89.583%	89.798%
x		78.184%	1774.000	312.400	308.000	2645.000	2618.000	87.838%	87.557%
σ		2.228%	7.430	1.644	3.106	21.020	21.470	1.747%	2.512%
%RSD		2.850	0.419	0.526	1.008	0.795	0.820	1.989	2.869

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:33:32	48.590	47.960	165.100	164.500	164.800	74.453%
2	21:34:15	47.730	48.240	164.900	162.900	163.600	77.968%
3	21:34:58	46.900	48.020	163.100	161.500	163.400	79.157%
x		47.740	48.070	164.400	163.000	163.900	77.193%
σ		0.847	0.145	1.108	1.500	0.760	2.446%
%RSD		1.774	0.301	0.674	0.921	0.464	3.169

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:37:52	92.822%	58.850	1110.000	1110.000	0.000	253.600	17770.000	18180.000
2	21:38:35	92.624%	60.470	1124.000	1133.000	0.000	263.500	17420.000	18090.000
3	21:39:18	92.558%	59.710	1095.000	1144.000	0.000	258.200	17190.000	17880.000
x		92.668%	59.680	1110.000	1129.000	0.000	258.400	17460.000	18050.000
σ		0.138%	0.813	14.200	17.530	0.000	4.954	292.600	153.100
%RSD		0.148	1.362	1.279	1.552	0.000	1.917	1.675	0.848

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:37:52	78000.000	7701.000	0.000	8889.000	7142.000	5909.000	87.981%	708.200
2	21:38:35	79180.000	7960.000	0.000	9069.000	6881.000	5857.000	89.420%	697.200
3	21:39:18	78700.000	7956.000	0.000	9124.000	7043.000	5912.000	90.209%	702.700
x		78630.000	7872.000	0.000	9028.000	7022.000	5893.000	89.203%	702.700
σ		596.700	148.500	0.000	123.000	131.500	30.500	1.129%	5.482
%RSD		0.759	1.886	0.000	1.362	1.872	0.518	1.266	0.780

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:37:52	668.600	340.000	8816.000	270100.000	265000.000	616.600	693.900	415.900
2	21:38:35	665.100	340.500	8771.000	269500.000	265000.000	617.700	691.500	418.300
3	21:39:18	662.000	335.500	8759.000	268800.000	263800.000	617.800	693.000	422.900
x		665.200	338.700	8782.000	269500.000	264600.000	617.300	692.800	419.000
σ		3.287	2.785	30.250	644.200	687.900	0.631	1.193	3.556
%RSD		0.494	0.822	0.344	0.239	0.260	0.102	0.172	0.849

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:37:52	424.300	1034.000	1046.000	131.000	7.436	15.850	0.000	1060.000
2	21:38:35	426.100	1033.000	1039.000	131.000	6.992	13.840	0.000	1052.000
3	21:39:18	423.400	1041.000	1049.000	135.600	3.899	15.920	0.000	1049.000
x		424.600	1036.000	1044.000	132.500	6.109	15.200	0.000	1054.000
σ		1.375	4.386	5.060	2.646	1.927	1.182	0.000	5.832
%RSD		0.324	0.423	0.484	1.996	31.540	7.774	0.000	0.554

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:37:52	0.000	13.240	13.490	80.184%	54.850	55.870	53.780	53.080
2	21:38:35	0.000	10.830	11.310	82.926%	55.250	56.120	53.700	54.400
3	21:39:18	0.000	9.782	10.320	83.977%	55.140	55.490	52.360	53.540
x		0.000	11.280	11.710	82.362%	55.080	55.830	53.280	53.670
σ		0.000	1.770	1.622	1.958%	0.203	0.317	0.799	0.670
%RSD		0.000	15.680	13.850	2.378	0.370	0.568	1.499	1.249

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:37:52	79.495%	36.150	2.584	2.613	2768.000	2745.000	88.303%	87.950%
2	21:38:35	81.841%	30.880	2.378	2.673	2751.000	2724.000	91.342%	90.964%
3	21:39:18	84.052%	27.270	2.339	2.299	2752.000	2720.000	91.720%	92.235%
x		81.796%	31.430	2.434	2.528	2757.000	2730.000	90.455%	90.383%
σ		2.279%	4.466	0.132	0.201	9.537	13.090	1.873%	2.201%
%RSD		2.786	14.210	5.414	7.952	0.346	0.479	2.070	2.435

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:37:52	52.840	54.070	159.100	159.600	159.100	77.867%
2	21:38:35	52.940	53.830	159.500	156.800	158.500	81.454%
3	21:39:18	53.730	53.590	160.000	158.200	159.100	82.203%
x		53.170	53.830	159.500	158.200	158.900	80.508%
σ		0.484	0.241	0.474	1.434	0.319	2.317%
%RSD		0.911	0.447	0.297	0.906	0.200	2.879

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:42:12	89.137%	1.924	18.410	18.870	0.000	85.150	4161.000	4312.000
2	21:42:55	90.572%	1.812	14.600	16.120	0.000	92.540	4126.000	4322.000
3	21:43:38	89.898%	1.680	15.490	14.040	0.000	88.470	4042.000	4302.000
x		89.869%	1.806	16.170	16.340	0.000	88.720	4110.000	4312.000
σ		0.718%	0.122	1.995	2.423	0.000	3.702	61.020	10.160
%RSD		0.799	6.763	12.340	14.820	0.000	4.173	1.485	0.236

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:42:12	18430.000	1856.000	0.000	2305.000	2471.000	2201.000	83.951%	182.700
2	21:42:55	18180.000	1847.000	0.000	2339.000	2355.000	2185.000	85.715%	176.700
3	21:43:38	18230.000	1869.000	0.000	2341.000	2518.000	2211.000	86.149%	169.100
x		18280.000	1857.000	0.000	2328.000	2448.000	2199.000	85.272%	176.200
σ		134.400	10.960	0.000	19.870	84.010	13.140	1.164%	6.798
%RSD		0.735	0.590	0.000	0.853	3.432	0.598	1.365	3.859

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:42:12	48.210	37.490	1949.000	77890.000	72820.000	27.590	46.240	42.490
2	21:42:55	46.350	37.170	2027.000	76990.000	72780.000	28.100	46.620	42.250
3	21:43:38	45.370	36.430	2043.000	76440.000	72120.000	27.380	45.570	41.890
x		46.640	37.030	2006.000	77110.000	72570.000	27.690	46.140	42.210
σ		1.442	0.546	49.750	730.900	388.800	0.372	0.531	0.302
%RSD		3.092	1.475	2.480	0.948	0.536	1.345	1.151	0.717

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:42:12	43.630	138.200	142.500	23.100	-5.073	2.834	0.000	20.770
2	21:42:55	42.710	137.100	137.500	23.440	-4.559	2.723	0.000	20.950
3	21:43:38	42.850	134.700	134.900	22.310	-5.485	0.952	0.000	20.730
x		43.060	136.700	138.300	22.950	-5.039	2.170	0.000	20.820
σ		0.495	1.770	3.862	0.579	0.464	1.056	0.000	0.117
%RSD		1.148	1.295	2.792	2.522	9.201	48.680	0.000	0.560

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:42:12	0.000	2.854	2.688	86.309%	0.069	0.067	0.791	0.465
2	21:42:55	0.000	2.661	2.629	88.972%	0.096	0.084	0.568	0.477
3	21:43:38	0.000	2.448	2.561	89.255%	0.090	0.050	0.679	0.469
x		0.000	2.654	2.626	88.179%	0.085	0.067	0.679	0.470
σ		0.000	0.203	0.064	1.625%	0.014	0.017	0.112	0.007
%RSD		0.000	7.651	2.420	1.843	16.810	25.210	16.450	1.394

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:42:12	86.984%	4.147	0.576	0.589	191.500	191.500	88.498%	89.120%
2	21:42:55	88.769%	4.341	0.697	0.631	195.900	193.700	90.795%	92.104%
3	21:43:38	89.702%	4.147	0.557	0.544	193.500	191.000	92.650%	92.653%
x		88.485%	4.212	0.610	0.588	193.600	192.100	90.647%	91.292%
σ		1.381%	0.112	0.076	0.044	2.198	1.437	2.080%	1.901%
%RSD		1.560	2.664	12.450	7.429	1.135	0.748	2.295	2.082

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:42:12	0.700	0.772	30.960	30.920	31.000	84.459%
2	21:42:55	0.584	0.662	31.280	30.840	30.870	87.624%
3	21:43:38	0.557	0.609	31.810	30.750	30.930	88.499%
x		0.613	0.681	31.350	30.840	30.930	86.861%
σ		0.076	0.083	0.430	0.087	0.063	2.125%
%RSD		12.380	12.220	1.372	0.283	0.203	2.447

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:46:33	89.171%	1.938	9.046	10.270	0.000	72.280	4877.000	5034.000
2	21:47:15	91.217%	1.704	12.450	10.600	0.000	75.730	4665.000	4990.000
3	21:47:58	90.511%	1.478	8.207	9.545	0.000	74.000	4759.000	4988.000
x		90.300%	1.707	9.899	10.140	0.000	74.000	4767.000	5004.000
σ		1.040%	0.230	2.244	0.538	0.000	1.722	106.300	26.000
%RSD		1.151	13.500	22.670	5.307	0.000	2.327	2.231	0.520

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:46:33	19340.000	1923.000	0.000	2737.000	3179.000	2875.000	84.707%	206.100
2	21:47:15	19230.000	1921.000	0.000	2790.000	3050.000	2841.000	86.140%	202.200
3	21:47:58	19240.000	1936.000	0.000	2797.000	3319.000	2839.000	86.681%	205.700
x		19270.000	1927.000	0.000	2775.000	3183.000	2851.000	85.843%	204.700
σ		61.070	8.331	0.000	33.000	134.800	20.410	1.020%	2.189
%RSD		0.317	0.432	0.000	1.189	4.234	0.716	1.188	1.069

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:46:33	39.570	34.700	857.800	58140.000	54480.000	21.420	43.760	42.130
2	21:47:15	39.120	34.560	864.100	58280.000	54990.000	21.620	44.350	41.380
3	21:47:58	40.550	35.040	866.600	58190.000	55000.000	21.840	44.610	40.620
x		39.750	34.770	862.800	58210.000	54820.000	21.630	44.240	41.370
σ		0.730	0.252	4.518	71.350	298.200	0.211	0.435	0.752
%RSD		1.837	0.724	0.524	0.123	0.544	0.974	0.984	1.818

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:46:33	41.360	127.400	129.600	16.330	-2.189	1.962	0.000	22.630
2	21:47:15	42.940	130.700	131.800	18.450	-5.465	1.140	0.000	22.620
3	21:47:58	42.140	127.700	133.800	17.370	-3.830	2.213	0.000	22.120
x		42.150	128.600	131.700	17.380	-3.828	1.772	0.000	22.460
σ		0.790	1.827	2.065	1.060	1.638	0.561	0.000	0.294
%RSD		1.873	1.420	1.567	6.097	42.790	31.680	0.000	1.309

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:46:33	0.000	1.679	1.989	86.066%	0.019	0.039	0.200	0.234
2	21:47:15	0.000	1.739	1.697	88.882%	0.009	0.043	0.441	0.380
3	21:47:58	0.000	1.591	1.615	90.224%	0.030	0.003	0.239	0.281
x		0.000	1.670	1.767	88.391%	0.019	0.028	0.293	0.298
σ		0.000	0.075	0.197	2.122%	0.010	0.022	0.129	0.074
%RSD		0.000	4.471	11.130	2.401	54.560	77.300	44.100	24.860

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:46:33	86.097%	3.641	0.387	0.432	139.800	139.600	88.891%	88.224%
2	21:47:15	88.878%	3.642	0.406	0.392	142.300	140.200	91.973%	92.243%
3	21:47:58	90.326%	3.520	0.377	0.397	142.100	139.400	92.757%	93.485%
x		88.434%	3.601	0.390	0.407	141.400	139.800	91.207%	91.317%
σ		2.149%	0.070	0.015	0.022	1.362	0.431	2.044%	2.750%
%RSD		2.430	1.949	3.795	5.329	0.964	0.308	2.241	3.012

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:46:33	0.479	0.542	25.680	24.760	25.120	84.503%
2	21:47:15	0.499	0.524	25.350	24.820	25.070	88.044%
3	21:47:58	0.542	0.504	25.530	25.500	25.330	89.450%
x		0.507	0.523	25.520	25.030	25.180	87.332%
σ		0.032	0.019	0.165	0.411	0.140	2.549%
%RSD		6.373	3.599	0.646	1.644	0.555	2.919

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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	21:50:53	90.054%	1.932	7.363	7.312	0.000	66.100	4443.000	4554.000
2	21:51:36	90.074%	1.803	6.070	6.753	0.000	67.210	4313.000	4535.000
3	21:52:19	90.898%	1.439	4.086	7.114	0.000	66.060	4288.000	4558.000
x		90.342%	1.725	5.840	7.060	0.000	66.460	4348.000	4549.000
σ		0.482%	0.256	1.650	0.283	0.000	0.652	83.160	11.900
%RSD		0.533	14.830	28.260	4.014	0.000	0.981	1.913	0.262

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:50:53	19700.000	1631.000	0.000	2266.000	2114.000	1941.000	86.718%	193.300
2	21:51:36	19710.000	1643.000	0.000	2327.000	2221.000	1985.000	87.425%	186.200
3	21:52:19	19640.000	1654.000	0.000	2332.000	2284.000	1996.000	87.192%	189.800
x		19680.000	1643.000	0.000	2308.000	2206.000	1974.000	87.112%	189.800
σ		38.700	11.580	0.000	36.670	85.560	29.100	0.360%	3.515
%RSD		0.197	0.705	0.000	1.589	3.878	1.474	0.413	1.852

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:50:53	49.590	41.970	1426.000	80800.000	75940.000	30.330	54.980	47.930
2	21:51:36	50.100	41.340	1424.000	80370.000	76080.000	30.160	54.690	48.040
3	21:52:19	49.160	41.420	1423.000	80690.000	76140.000	30.460	54.120	47.480
x		49.620	41.580	1424.000	80620.000	76050.000	30.310	54.600	47.820
σ		0.470	0.344	1.699	219.000	101.600	0.152	0.439	0.295
%RSD		0.948	0.826	0.119	0.272	0.134	0.502	0.803	0.618

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:50:53	48.660	148.500	148.000	20.220	-0.426	1.629	0.000	21.040
2	21:51:36	49.200	147.400	149.600	21.160	-2.634	2.464	0.000	20.730
3	21:52:19	48.240	150.000	150.200	22.640	-4.274	3.245	0.000	20.490
x		48.700	148.700	149.300	21.340	-2.444	2.446	0.000	20.760
σ		0.482	1.293	1.122	1.222	1.931	0.808	0.000	0.275
%RSD		0.990	0.870	0.752	5.724	78.980	33.040	0.000	1.326

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:50:53	0.000	2.209	1.960	86.772%	0.018	0.004	0.763	0.635
2	21:51:36	0.000	2.149	1.865	89.453%	0.044	0.001	0.568	0.581
3	21:52:19	0.000	1.805	1.994	90.353%	0.051	0.006	0.637	0.450
x		0.000	2.054	1.940	88.859%	0.038	0.004	0.656	0.555
σ		0.000	0.218	0.066	1.863%	0.017	0.003	0.099	0.095
%RSD		0.000	10.600	3.428	2.096	45.740	74.920	15.130	17.120

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:50:53	87.122%	3.797	0.391	0.556	173.300	173.900	90.299%	90.562%
2	21:51:36	89.550%	3.526	0.471	0.497	175.900	174.300	93.184%	93.245%
3	21:52:19	90.456%	3.469	0.481	0.475	177.800	172.800	93.016%	93.122%
x		89.043%	3.597	0.448	0.509	175.700	173.700	92.166%	92.310%
σ		1.724%	0.175	0.050	0.042	2.281	0.740	1.619%	1.515%
%RSD		1.936	4.869	11.070	8.254	1.298	0.426	1.757	1.641

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:50:53	0.271	0.322	32.870	32.900	32.830	86.088%
2	21:51:36	0.281	0.300	32.680	32.610	32.620	88.754%
3	21:52:19	0.253	0.314	33.010	32.870	32.580	89.808%
x		0.268	0.312	32.860	32.790	32.680	88.217%
σ		0.014	0.011	0.170	0.158	0.136	1.917%
%RSD		5.306	3.546	0.516	0.483	0.417	2.173

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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	21:58:09	82.644%	104.900	101.700	100.700	0.000	50440.000	45400.000	46300.000
2	21:58:52	84.784%	102.700	92.160	99.060	0.000	49760.000	44460.000	45710.000
3	21:59:35	83.915%	102.500	99.500	101.100	0.000	50440.000	44480.000	46070.000
x		83.781%	103.388%	97.790%	100.310%	0.000	100.429%	89.562%	92.052%
σ		1.076%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.285	1.269	5.114	1.096	0.000	0.777	1.192	0.651

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:58:09	487.000	5012.000	0.000	53720.000	50230.000	46490.000	83.721%	95.880
2	21:58:52	478.800	5012.000	0.000	54430.000	51310.000	46840.000	84.549%	95.820
3	21:59:35	492.200	5069.000	0.000	55120.000	52290.000	46810.000	84.485%	94.190
x		97.198%	100.626%	0.000	108.854%	102.556%	93.426%	84.252%	95.296%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.461%	n/a
%RSD		1.380	0.657	0.000	1.289	2.003	0.416	0.547	1.010

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:58:09	93.410	94.690	479.500	25770.000	24630.000	99.310	101.300	102.700
2	21:58:52	91.690	94.010	479.600	25700.000	24650.000	100.300	101.300	102.700
3	21:59:35	93.170	95.790	483.700	25930.000	24900.000	101.000	102.900	104.400
x		92.755%	94.830%	96.186%	103.203%	98.893%	100.196%	101.830%	103.283%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.005	0.948	0.499	0.466	0.611	0.826	0.937	0.907

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:58:09	101.400	109.200	109.000	104.400	98.540	106.900	0.000	100.500
2	21:58:52	103.500	107.500	108.900	103.200	95.870	104.800	0.000	98.790
3	21:59:35	105.900	107.000	107.300	103.500	97.110	104.500	0.000	100.000
x		103.607%	107.894%	108.415%	103.679%	97.174%	105.389%	0.000	99.778%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		2.175	1.054	0.852	0.600	1.375	1.228	0.000	0.889

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:58:09	80.742%	97.670	97.410	81.693%	100.400	101.200	101.800	100.600
2	21:58:52	82.947%	102.200	101.400	84.224%	100.800	101.900	100.500	101.800
3	21:59:35	82.707%	102.000	104.700	84.921%	100.900	102.100	101.900	101.500
x		82.132%	100.631%	101.175%	83.613%	100.670%	101.730%	101.412%	101.314%
σ		1.210%	n/a	n/a	1.699%	n/a	n/a	n/a	n/a
%RSD		1.473	2.547	3.631	2.032	0.264	0.441	0.784	0.593

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:58:09	82.825%	98.090	101.400	99.340	98.760	98.680	84.773%	85.559%
2	21:58:52	85.561%	99.060	100.100	100.600	99.620	97.740	87.649%	88.364%
3	21:59:35	86.554%	100.100	101.300	99.760	98.140	98.200	88.641%	89.717%
x		84.980%	99.076%	100.940%	99.893%	98.840%	98.207%	87.021%	87.880%
σ		1.931%	n/a	n/a	n/a	n/a	n/a	2.009%	2.121%
%RSD		2.272	1.006	0.748	0.632	0.752	0.478	2.308	2.414

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:58:09	101.000	101.300	102.400	102.300	102.300	82.428%
2	21:58:52	100.500	100.500	103.000	102.800	102.600	86.032%
3	21:59:35	102.300	102.500	104.100	103.000	103.500	86.404%
x		101.272%	101.427%	103.166%	102.727%	102.786%	84.955%
σ		n/a	n/a	n/a	n/a	n/a	2.196%
%RSD		0.930	0.983	0.835	0.353	0.606	2.585

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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	22:06:09	91.299%	0.029	2.740	0.157	0.000	11.940	5.040	7.062
2	22:06:52	94.371%	-0.020	0.100	0.312	0.000	9.859	5.258	6.522
3	22:07:35	96.667%	0.023	-0.701	-0.142	0.000	13.410	10.910	12.260
x		94.113%	0.010	0.713	0.109	0.000	11.740	7.069	8.616
σ		2.693%	0.027	1.801	0.231	0.000	1.785	3.328	3.171
%RSD		2.862	261.400	252.500	211.700	0.000	15.200	47.070	36.810

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:06:09	2.638	4.866	0.000	60.310	7.030	10.690	93.704%	0.014
2	22:06:52	2.325	5.671	0.000	62.340	0.634	12.980	95.900%	-0.043
3	22:07:35	3.675	5.784	0.000	59.420	38.320	19.160	97.078%	-0.096
x		2.879	5.441	0.000	60.690	15.330	14.280	95.561%	-0.041
σ		0.707	0.501	0.000	1.496	20.170	4.386	1.712%	0.055
%RSD		24.540	9.202	0.000	2.464	131.600	30.720	1.792	132.400

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:06:09	0.018	0.026	0.351	5.279	58.850	0.024	-0.125	0.185
2	22:06:52	-0.130	-0.003	0.363	-0.230	52.290	0.017	-0.166	0.167
3	22:07:35	0.051	0.009	0.632	5.240	47.700	0.033	-0.059	0.280
x		-0.020	0.011	0.448	3.430	52.950	0.025	-0.117	0.210
σ		0.096	0.014	0.159	3.170	5.604	0.008	0.054	0.061
%RSD		473.200	137.500	35.430	92.420	10.580	31.820	46.660	28.870

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:06:09	0.248	-0.420	-0.257	-0.027	-5.295	-1.319	0.000	0.096
2	22:06:52	0.257	-0.586	-0.306	-0.006	-8.196	-0.331	0.000	0.090
3	22:07:35	0.143	-0.508	-0.207	0.171	-5.401	-0.543	0.000	0.097
x		0.216	-0.505	-0.257	0.046	-6.297	-0.731	0.000	0.094
σ		0.063	0.083	0.050	0.109	1.645	0.520	0.000	0.004
%RSD		29.150	16.440	19.330	237.000	26.130	71.130	0.000	3.759

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:06:09	91.616%	0.529	0.463	86.261%	-0.027	0.003	-0.098	-0.064
2	22:06:52	94.067%	0.434	0.402	90.272%	-0.004	-0.011	-0.050	-0.038
3	22:07:35	94.868%	0.474	0.425	91.434%	0.001	0.006	-0.146	-0.076
x		93.517%	0.479	0.430	89.322%	-0.010	-0.001	-0.098	-0.059
σ		1.694%	0.047	0.031	2.714%	0.015	0.009	0.048	0.020
%RSD		1.812	9.868	7.228	3.039	151.400	1174.000	49.040	33.210

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:06:09	96.600%	0.082	0.035	0.061	0.040	0.119	96.023%	96.439%
2	22:06:52	100.212%	0.050	0.064	0.042	0.037	0.064	100.057%	100.065%
3	22:07:35	102.898%	-0.122	0.042	0.060	0.023	0.097	100.437%	101.735%
x		99.903%	0.003	0.047	0.055	0.033	0.093	98.839%	99.413%
σ		3.160%	0.110	0.015	0.011	0.009	0.027	2.446%	2.708%
%RSD		3.163	3420.000	32.460	19.570	26.720	29.400	2.475	2.724

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:06:09	0.003	0.022	0.310	0.332	0.331	103.623%
2	22:06:52	-0.002	0.000	0.276	0.266	0.277	108.805%
3	22:07:35	-0.010	0.008	0.250	0.352	0.304	110.517%
x		-0.003	0.010	0.279	0.317	0.304	107.648%
σ		0.006	0.011	0.030	0.045	0.027	3.589%
%RSD		201.300	110.900	10.650	14.220	8.968	3.334

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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	22:10:31	92.005%	1.722	1.242	2.939	0.000	77.880	4471.000	4618.000
2	22:11:14	92.318%	1.682	2.717	3.453	0.000	77.570	4383.000	4567.000
3	22:11:57	92.226%	1.605	4.852	3.400	0.000	74.740	4441.000	4623.000
x		92.183%	1.669	2.937	3.264	0.000	76.730	4432.000	4603.000
σ		0.161%	0.059	1.815	0.283	0.000	1.732	44.620	30.590
%RSD		0.175	3.550	61.810	8.667	0.000	2.257	1.007	0.665

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:31	18150.000	1597.000	0.000	2020.000	3062.000	2836.000	86.240%	163.200
2	22:11:14	18180.000	1607.000	0.000	2055.000	3039.000	2788.000	88.151%	167.900
3	22:11:57	18270.000	1630.000	0.000	2064.000	3122.000	2779.000	88.250%	164.200
x		18200.000	1611.000	0.000	2046.000	3074.000	2801.000	87.547%	165.100
σ		60.640	17.180	0.000	23.610	43.080	30.590	1.133%	2.480
%RSD		0.333	1.066	0.000	1.154	1.401	1.092	1.294	1.502

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:31	43.720	35.860	1543.000	68810.000	64660.000	24.160	46.070	40.390
2	22:11:14	41.850	35.620	1530.000	68040.000	64370.000	23.860	46.670	40.590
3	22:11:57	43.370	35.870	1532.000	68070.000	64510.000	24.130	46.440	40.890
x		42.980	35.780	1535.000	68310.000	64520.000	24.050	46.400	40.620
σ		0.991	0.140	6.939	434.300	141.600	0.162	0.302	0.250
%RSD		2.307	0.390	0.452	0.636	0.220	0.674	0.651	0.615

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:31	41.100	149.100	151.300	17.610	1.657	2.070	0.000	19.160
2	22:11:14	40.730	152.400	154.700	19.240	-1.524	2.631	0.000	19.450
3	22:11:57	40.530	149.100	152.900	17.660	-0.838	3.439	0.000	19.350
x		40.790	150.200	153.000	18.170	-0.235	2.714	0.000	19.320
σ		0.287	1.919	1.704	0.927	1.674	0.688	0.000	0.148
%RSD		0.705	1.278	1.114	5.103	712.700	25.360	0.000	0.764

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:31	0.000	1.877	1.962	86.518%	0.033	0.045	0.511	0.612
2	22:11:14	0.000	1.904	1.856	89.888%	0.070	0.025	0.760	0.935
3	22:11:57	0.000	1.979	1.935	91.242%	0.053	0.068	0.628	0.789
x		0.000	1.920	1.917	89.216%	0.052	0.046	0.633	0.778
σ		0.000	0.053	0.055	2.433%	0.019	0.022	0.125	0.162
%RSD		0.000	2.743	2.875	2.727	36.240	46.820	19.710	20.800

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:31	85.792%	3.450	0.418	0.429	184.100	184.900	89.566%	89.756%
2	22:11:14	90.060%	3.616	0.355	0.380	184.600	184.900	93.205%	94.016%
3	22:11:57	90.386%	3.171	0.426	0.420	184.700	182.000	94.841%	94.498%
x		88.746%	3.412	0.400	0.409	184.500	183.900	92.537%	92.757%
σ		2.563%	0.225	0.039	0.026	0.338	1.713	2.700%	2.610%
%RSD		2.888	6.600	9.792	6.417	0.183	0.931	2.918	2.814

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:31	0.442	0.371	30.800	30.380	30.200	87.187%
2	22:11:14	0.277	0.304	31.210	29.880	30.430	89.947%
3	22:11:57	0.243	0.271	30.550	30.340	30.200	90.788%
x		0.321	0.316	30.850	30.200	30.280	89.307%
σ		0.106	0.051	0.334	0.276	0.131	1.884%
%RSD		33.090	16.110	1.084	0.914	0.433	2.109

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:52	89.606%	1.927	4.587	3.612	0.000	80.700	3972.000	4090.000
2	22:15:35	90.091%	1.964	2.876	2.720	0.000	77.820	3899.000	4103.000
3	22:16:18	91.671%	2.026	2.772	2.516	0.000	76.580	3885.000	4030.000
x		90.456%	1.973	3.412	2.949	0.000	78.370	3919.000	4074.000
σ		1.080%	0.050	1.019	0.583	0.000	2.111	46.850	38.720
%RSD		1.194	2.537	29.880	19.770	0.000	2.693	1.195	0.950

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:52	23640.000	1732.000	0.000	1860.000	1891.000	1702.000	85.891%	214.100
2	22:15:35	23830.000	1749.000	0.000	1902.000	1921.000	1654.000	86.305%	220.700
3	22:16:18	23570.000	1757.000	0.000	1904.000	1932.000	1672.000	86.351%	215.600
x		23680.000	1746.000	0.000	1889.000	1915.000	1676.000	86.182%	216.800
σ		136.400	12.710	0.000	24.400	21.020	24.400	0.253%	3.464
%RSD		0.576	0.728	0.000	1.292	1.098	1.455	0.294	1.598

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:52	47.380	33.670	925.400	45620.000	42800.000	24.430	48.590	29.320
2	22:15:35	45.870	34.120	937.000	45870.000	43200.000	24.450	48.580	29.300
3	22:16:18	45.490	33.770	937.100	45800.000	43140.000	23.960	49.740	28.950
x		46.250	33.850	933.200	45760.000	43040.000	24.280	48.970	29.190
σ		0.999	0.240	6.710	126.400	217.700	0.277	0.666	0.206
%RSD		2.160	0.709	0.719	0.276	0.506	1.140	1.361	0.705

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:52	30.700	142.000	140.500	13.110	-0.853	2.093	0.000	15.230
2	22:15:35	29.910	142.200	139.000	12.550	-1.300	5.533	0.000	14.700
3	22:16:18	29.690	141.200	141.900	11.850	-2.972	3.565	0.000	14.980
x		30.100	141.800	140.500	12.500	-1.708	3.730	0.000	14.970
σ		0.533	0.537	1.442	0.630	1.117	1.726	0.000	0.266
%RSD		1.772	0.379	1.026	5.043	65.390	46.280	0.000	1.774

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:52	0.000	1.816	2.025	86.387%	0.069	0.076	0.477	0.451
2	22:15:35	0.000	1.783	2.042	89.050%	0.080	0.085	0.623	0.606
3	22:16:18	0.000	1.844	2.011	90.069%	0.070	0.036	0.427	0.377
x		0.000	1.814	2.026	88.502%	0.073	0.065	0.509	0.478
σ		0.000	0.030	0.016	1.901%	0.006	0.026	0.102	0.117
%RSD		0.000	1.664	0.769	2.148	8.434	39.710	19.970	24.380

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:52	86.878%	2.908	0.339	0.402	306.500	302.800	89.407%	90.321%
2	22:15:35	88.032%	3.162	0.336	0.402	308.000	304.400	92.648%	93.194%
3	22:16:18	90.784%	2.978	0.343	0.277	300.900	301.400	93.693%	93.923%
x		88.564%	3.016	0.340	0.360	305.100	302.900	91.916%	92.479%
σ		2.007%	0.131	0.004	0.072	3.724	1.507	2.235%	1.905%
%RSD		2.266	4.353	1.053	20.110	1.220	0.498	2.431	2.059

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:14:52	0.338	0.305	30.450	29.730	29.820	84.879%
2	22:15:35	0.322	0.316	30.710	30.180	30.330	88.032%
3	22:16:18	0.275	0.344	30.090	29.460	29.990	89.327%
x		0.312	0.322	30.420	29.790	30.050	87.413%
σ		0.033	0.020	0.312	0.362	0.260	2.288%
%RSD		10.480	6.266	1.025	1.217	0.865	2.617

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:19:14	88.057%	1.438	4.984	2.975	0.000	70.830	4476.000	4636.000
2	22:19:57	91.624%	1.051	3.277	2.662	0.000	68.640	4332.000	4607.000
3	22:20:40	91.181%	1.055	3.296	2.471	0.000	70.470	4310.000	4574.000
x		90.287%	1.181	3.852	2.703	0.000	69.980	4372.000	4606.000
σ		1.944%	0.222	0.980	0.254	0.000	1.177	89.980	31.030
%RSD		2.153	18.800	25.440	9.411	0.000	1.682	2.058	0.674

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:19:14	18200.000	1432.000	0.000	2484.000	1648.000	1475.000	85.619%	194.500
2	22:19:57	18010.000	1422.000	0.000	2561.000	1519.000	1467.000	86.829%	191.500
3	22:20:40	18110.000	1439.000	0.000	2568.000	1556.000	1456.000	88.084%	189.400
x		18110.000	1431.000	0.000	2538.000	1574.000	1466.000	86.844%	191.800
σ		98.510	8.321	0.000	46.400	66.480	9.467	1.232%	2.554
%RSD		0.544	0.582	0.000	1.828	4.223	0.646	1.419	1.332

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:19:14	39.460	30.790	795.500	54020.000	50580.000	23.880	44.150	36.740
2	22:19:57	38.300	30.600	803.800	54270.000	50950.000	23.660	43.670	37.000
3	22:20:40	37.610	30.600	797.600	54230.000	51000.000	24.400	44.330	36.440
x		38.460	30.660	799.000	54180.000	50840.000	23.980	44.050	36.730
σ		0.934	0.110	4.277	135.300	232.000	0.383	0.339	0.279
%RSD		2.428	0.360	0.535	0.250	0.456	1.598	0.770	0.759

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:19:14	37.160	122.300	117.800	14.650	-1.368	2.691	0.000	16.360
2	22:19:57	38.450	118.700	125.600	14.330	-3.182	2.486	0.000	16.410
3	22:20:40	38.420	119.600	124.100	14.720	-4.968	0.980	0.000	16.230
x		38.010	120.200	122.500	14.560	-3.173	2.052	0.000	16.330
σ		0.735	1.856	4.158	0.207	1.800	0.935	0.000	0.093
%RSD		1.933	1.544	3.394	1.420	56.720	45.530	0.000	0.570

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:19:14	0.000	1.004	1.184	86.806%	0.002	-0.010	0.418	0.315
2	22:19:57	0.000	1.186	1.128	89.607%	0.033	-0.002	0.406	0.284
3	22:20:40	0.000	1.034	1.079	91.235%	-0.013	0.014	0.242	0.193
x		0.000	1.075	1.131	89.216%	0.007	0.001	0.355	0.264
σ		0.000	0.097	0.052	2.240%	0.024	0.012	0.098	0.063
%RSD		0.000	9.059	4.629	2.511	337.700	2129.000	27.680	23.960

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:19:14	86.100%	2.832	0.297	0.363	201.100	201.800	89.476%	89.192%
2	22:19:57	89.387%	2.800	0.338	0.361	203.200	198.200	92.159%	92.027%
3	22:20:40	90.970%	2.813	0.292	0.315	201.200	198.200	93.504%	94.780%
x		88.819%	2.815	0.309	0.347	201.800	199.400	91.713%	92.000%
σ		2.484%	0.016	0.025	0.027	1.224	2.077	2.051%	2.794%
%RSD		2.797	0.585	8.086	7.817	0.606	1.042	2.236	3.037

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:19:14	0.269	0.221	27.130	26.820	26.940	85.486%
2	22:19:57	0.226	0.236	26.870	26.930	27.060	89.532%
3	22:20:40	0.217	0.204	26.760	26.620	27.010	90.667%
x		0.237	0.221	26.920	26.790	27.010	88.562%
σ		0.028	0.016	0.190	0.156	0.062	2.723%
%RSD		11.710	7.170	0.706	0.584	0.228	3.075

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:23:34	89.267%	1.901	4.739	1.987	0.000	64.930	4008.000	4140.000
2	22:24:17	89.948%	2.094	0.697	1.966	0.000	65.030	3907.000	4070.000
3	22:25:00	90.363%	2.258	2.843	1.928	0.000	64.680	3912.000	4107.000
x		89.860%	2.084	2.760	1.960	0.000	64.880	3942.000	4106.000
σ		0.553%	0.179	2.022	0.030	0.000	0.179	56.950	34.860
%RSD		0.616	8.572	73.270	1.540	0.000	0.277	1.445	0.849

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:23:34	16630.000	1436.000	0.000	2046.000	2300.000	2047.000	86.507%	191.600
2	22:24:17	16410.000	1423.000	0.000	2074.000	2214.000	2071.000	87.046%	190.100
3	22:25:00	16430.000	1429.000	0.000	2075.000	2143.000	2039.000	88.094%	193.300
x		16490.000	1430.000	0.000	2065.000	2219.000	2052.000	87.216%	191.700
σ		120.000	6.561	0.000	16.480	78.340	16.750	0.807%	1.601
%RSD		0.728	0.459	0.000	0.798	3.530	0.816	0.926	0.835

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:23:34	42.830	38.250	1497.000	81560.000	76650.000	31.540	53.130	41.100
2	22:24:17	42.860	36.850	1497.000	81850.000	77130.000	31.680	52.680	42.350
3	22:25:00	43.460	38.010	1482.000	81100.000	76700.000	31.290	52.610	42.970
x		43.050	37.710	1492.000	81510.000	76830.000	31.500	52.810	42.140
σ		0.351	0.747	8.416	374.900	260.400	0.202	0.281	0.953
%RSD		0.816	1.981	0.564	0.460	0.339	0.641	0.533	2.262

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:23:34	42.420	133.900	134.700	30.250	-0.293	4.209	0.000	17.000
2	22:24:17	42.210	135.100	137.400	29.150	-1.925	3.482	0.000	17.160
3	22:25:00	41.500	135.100	135.500	29.360	-1.561	2.967	0.000	16.560
x		42.040	134.700	135.900	29.590	-1.260	3.552	0.000	16.910
σ		0.481	0.707	1.385	0.583	0.857	0.624	0.000	0.313
%RSD		1.145	0.525	1.019	1.969	68.010	17.580	0.000	1.851

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:23:34	0.000	2.246	2.398	86.913%	0.040	0.018	0.759	0.599
2	22:24:17	0.000	2.271	2.280	89.280%	0.052	0.028	0.639	0.710
3	22:25:00	0.000	2.659	2.394	90.477%	0.013	0.019	0.580	0.364
x		0.000	2.392	2.357	88.890%	0.035	0.022	0.660	0.558
σ		0.000	0.232	0.067	1.814%	0.020	0.005	0.091	0.176
%RSD		0.000	9.679	2.855	2.040	56.070	24.760	13.830	31.660

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:23:34	87.683%	3.031	0.468	0.432	181.300	177.100	89.471%	89.743%
2	22:24:17	89.685%	2.759	0.382	0.533	177.700	177.200	92.872%	92.671%
3	22:25:00	90.514%	2.942	0.393	0.421	176.500	177.100	92.448%	93.985%
x		89.294%	2.911	0.415	0.462	178.500	177.100	91.597%	92.133%
σ		1.455%	0.139	0.047	0.061	2.489	0.047	1.853%	2.172%
%RSD		1.630	4.769	11.310	13.300	1.395	0.026	2.024	2.357

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:23:34	0.230	0.242	30.010	29.440	29.340	86.114%
2	22:24:17	0.204	0.243	29.660	28.800	29.480	88.855%
3	22:25:00	0.222	0.219	29.470	29.320	29.440	89.668%
x		0.219	0.235	29.720	29.190	29.420	88.212%
σ		0.013	0.014	0.273	0.339	0.074	1.862%
%RSD		6.041	5.906	0.919	1.163	0.252	2.111

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:27:53	90.259%	1.067	2.093	1.194	0.000	70.770	4328.000	4438.000
2	22:28:36	91.689%	1.192	3.650	1.229	0.000	71.970	4240.000	4489.000
3	22:29:19	91.249%	1.070	1.523	1.517	0.000	70.570	4194.000	4416.000
x		91.066%	1.110	2.422	1.313	0.000	71.110	4254.000	4448.000
σ		0.733%	0.071	1.101	0.177	0.000	0.757	67.900	37.120
%RSD		0.805	6.406	45.450	13.470	0.000	1.065	1.596	0.835

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:27:53	16970.000	1370.000	0.000	1942.000	2262.000	2020.000	86.778%	159.500
2	22:28:36	17100.000	1392.000	0.000	2022.000	2312.000	2053.000	86.920%	165.900
3	22:29:19	16980.000	1393.000	0.000	2020.000	2263.000	2031.000	87.613%	159.700
x		17020.000	1385.000	0.000	1995.000	2279.000	2035.000	87.104%	161.700
σ		68.860	13.190	0.000	45.320	28.600	16.900	0.447%	3.635
%RSD		0.405	0.952	0.000	2.272	1.255	0.831	0.513	2.248

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:27:53	40.220	33.620	1370.000	59050.000	55180.000	20.820	42.770	37.330
2	22:28:36	38.690	33.310	1377.000	59940.000	56290.000	21.250	44.000	38.220
3	22:29:19	38.810	33.370	1378.000	59410.000	56110.000	21.160	42.910	37.930
x		39.240	33.430	1375.000	59470.000	55860.000	21.080	43.230	37.830
σ		0.852	0.163	4.174	444.500	595.500	0.227	0.673	0.456
%RSD		2.172	0.487	0.304	0.747	1.066	1.079	1.558	1.204

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:27:53	38.410	120.500	120.100	17.260	-0.894	3.247	0.000	14.960
2	22:28:36	39.730	122.500	118.400	16.690	-2.308	2.932	0.000	14.850
3	22:29:19	38.550	118.100	123.100	18.520	-2.757	3.682	0.000	14.750
x		38.900	120.400	120.600	17.490	-1.986	3.287	0.000	14.860
σ		0.722	2.179	2.385	0.933	0.972	0.377	0.000	0.106
%RSD		1.857	1.811	1.978	5.332	48.960	11.460	0.000	0.715

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:27:53	0.000	1.696	1.458	86.158%	0.022	0.022	0.413	0.369
2	22:28:36	0.000	1.635	1.399	89.367%	0.022	0.034	0.561	0.442
3	22:29:19	0.000	1.471	1.570	90.823%	0.026	0.011	0.607	0.477
x		0.000	1.601	1.476	88.783%	0.023	0.022	0.527	0.429
σ		0.000	0.116	0.087	2.387%	0.003	0.011	0.101	0.055
%RSD		0.000	7.263	5.862	2.689	11.650	50.880	19.140	12.810

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:27:53	85.534%	3.257	0.449	0.373	174.900	171.700	89.239%	88.272%
2	22:28:36	90.005%	3.236	0.379	0.399	174.600	172.600	91.135%	92.496%
3	22:29:19	91.090%	3.391	0.380	0.415	172.700	168.600	92.724%	94.199%
x		88.876%	3.295	0.403	0.396	174.100	171.000	91.032%	91.656%
σ		2.945%	0.084	0.040	0.021	1.175	2.061	1.745%	3.052%
%RSD		3.313	2.543	10.010	5.358	0.675	1.206	1.917	3.330

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:27:53	0.177	0.171	25.400	25.550	25.480	84.156%
2	22:28:36	0.172	0.176	25.750	25.330	25.530	88.305%
3	22:29:19	0.166	0.175	25.110	25.060	25.120	89.934%
x		0.172	0.174	25.420	25.310	25.380	87.465%
σ		0.006	0.003	0.319	0.244	0.222	2.979%
%RSD		3.285	1.566	1.256	0.964	0.874	3.406

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:32:12	89.115%	1.726	0.867	1.876	0.000	66.720	4459.000	4636.000
2	22:32:55	92.133%	1.903	2.477	1.308	0.000	64.120	4316.000	4503.000
3	22:33:38	91.629%	1.504	2.882	1.423	0.000	62.130	4337.000	4524.000
x		90.959%	1.711	2.075	1.536	0.000	64.320	4371.000	4555.000
σ		1.617%	0.200	1.065	0.300	0.000	2.301	77.310	71.540
%RSD		1.777	11.680	51.340	19.540	0.000	3.578	1.769	1.571

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:32:12	17340.000	1496.000	0.000	2068.000	2404.000	2225.000	86.506%	194.800
2	22:32:55	17040.000	1477.000	0.000	2069.000	2559.000	2215.000	88.288%	194.500
3	22:33:38	17010.000	1485.000	0.000	2080.000	2450.000	2154.000	88.794%	193.200
x		17130.000	1486.000	0.000	2072.000	2471.000	2198.000	87.862%	194.200
σ		184.500	9.492	0.000	6.942	79.230	38.520	1.202%	0.842
%RSD		1.077	0.639	0.000	0.335	3.206	1.753	1.368	0.434

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:32:12	42.480	38.510	1471.000	70980.000	66470.000	24.810	51.630	46.860
2	22:32:55	42.300	38.450	1421.000	69940.000	66080.000	24.970	49.290	45.790
3	22:33:38	42.430	38.420	1449.000	69780.000	65790.000	24.510	49.710	45.900
x		42.400	38.460	1447.000	70230.000	66110.000	24.760	50.210	46.180
σ		0.090	0.047	25.170	652.700	339.600	0.233	1.246	0.587
%RSD		0.211	0.121	1.739	0.929	0.514	0.942	2.482	1.271

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:32:12	48.060	134.700	135.600	24.480	-0.345	1.413	0.000	18.620
2	22:32:55	47.100	133.700	138.000	24.010	-1.165	3.660	0.000	18.300
3	22:33:38	46.910	130.900	131.100	25.210	-1.943	2.555	0.000	18.480
x		47.360	133.100	134.900	24.560	-1.151	2.543	0.000	18.470
σ		0.615	1.950	3.519	0.603	0.799	1.123	0.000	0.161
%RSD		1.299	1.465	2.609	2.456	69.370	44.180	0.000	0.873

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:32:12	0.000	1.437	1.515	87.343%	0.018	0.030	0.689	0.451
2	22:32:55	0.000	1.608	1.633	89.859%	0.051	0.028	0.563	0.422
3	22:33:38	0.000	1.699	1.866	91.314%	0.029	0.014	0.423	0.404
x		0.000	1.582	1.671	89.505%	0.033	0.024	0.559	0.426
σ		0.000	0.133	0.178	2.009%	0.017	0.009	0.133	0.024
%RSD		0.000	8.423	10.680	2.244	51.930	37.240	23.820	5.661

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:32:12	86.862%	3.113	0.451	0.450	164.700	163.600	89.785%	91.057%
2	22:32:55	90.135%	2.894	0.425	0.357	160.000	158.500	93.844%	93.271%
3	22:33:38	91.323%	2.654	0.423	0.421	161.500	159.400	93.839%	94.050%
x		89.440%	2.887	0.433	0.409	162.100	160.500	92.489%	92.793%
σ		2.310%	0.230	0.016	0.047	2.404	2.699	2.342%	1.553%
%RSD		2.583	7.955	3.627	11.600	1.484	1.682	2.532	1.674

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:32:12	0.161	0.228	30.270	29.810	30.140	85.849%
2	22:32:55	0.193	0.217	29.720	29.140	29.460	89.774%
3	22:33:38	0.164	0.196	30.080	29.540	29.690	90.004%
x		0.173	0.214	30.020	29.500	29.760	88.542%
σ		0.018	0.016	0.277	0.339	0.343	2.335%
%RSD		10.350	7.587	0.921	1.148	1.151	2.638

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:36:32	89.375%	1.803	1.503	1.952	0.000	68.060	4968.000	5067.000
2	22:37:15	90.374%	1.559	1.827	1.183	0.000	66.930	4825.000	4984.000
3	22:37:58	89.974%	1.676	0.948	0.838	0.000	66.540	4797.000	5037.000
x		89.908%	1.679	1.426	1.324	0.000	67.180	4863.000	5029.000
σ		0.503%	0.122	0.445	0.571	0.000	0.791	91.820	42.120
%RSD		0.560	7.264	31.180	43.070	0.000	1.178	1.888	0.838

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:36:32	20590.000	1377.000	0.000	1935.000	2097.000	1789.000	86.245%	183.100
2	22:37:15	20520.000	1372.000	0.000	1949.000	2139.000	1770.000	87.303%	184.400
3	22:37:58	20520.000	1396.000	0.000	1951.000	1990.000	1780.000	87.959%	180.400
x		20540.000	1382.000	0.000	1945.000	2075.000	1780.000	87.169%	182.600
σ		41.170	12.620	0.000	8.672	77.130	9.198	0.864%	2.072
%RSD		0.201	0.914	0.000	0.446	3.717	0.517	0.992	1.135

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:36:32	51.410	40.600	1832.000	85040.000	79220.000	28.850	50.090	46.800
2	22:37:15	52.440	39.790	1793.000	84170.000	79100.000	29.000	50.400	47.590
3	22:37:58	52.570	40.950	1808.000	83890.000	78840.000	29.000	48.820	46.580
x		52.140	40.450	1811.000	84370.000	79050.000	28.950	49.770	46.990
σ		0.634	0.592	19.490	601.000	195.900	0.083	0.839	0.531
%RSD		1.216	1.463	1.076	0.712	0.248	0.286	1.686	1.130

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:36:32	47.980	156.900	164.200	23.910	0.305	5.057	0.000	16.770
2	22:37:15	47.660	164.600	163.400	23.570	-2.863	3.652	0.000	16.660
3	22:37:58	48.420	159.000	164.700	22.170	-3.623	4.729	0.000	16.580
x		48.020	160.200	164.100	23.220	-2.060	4.480	0.000	16.670
σ		0.383	3.997	0.696	0.921	2.083	0.735	0.000	0.096
%RSD		0.798	2.496	0.424	3.969	101.100	16.410	0.000	0.576

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:36:32	0.000	2.383	2.530	85.943%	0.041	0.007	0.661	0.519
2	22:37:15	0.000	2.545	2.517	88.954%	0.030	0.017	0.566	0.565
3	22:37:58	0.000	2.198	2.533	89.973%	0.027	0.025	0.652	0.516
x		0.000	2.375	2.527	88.290%	0.033	0.017	0.626	0.533
σ		0.000	0.173	0.008	2.096%	0.007	0.009	0.052	0.028
%RSD		0.000	7.300	0.334	2.374	22.220	53.530	8.378	5.175

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:36:32	86.639%	3.046	0.465	0.471	195.400	190.500	88.914%	89.208%
2	22:37:15	89.219%	3.001	0.473	0.430	188.200	186.600	92.292%	91.807%
3	22:37:58	90.225%	2.803	0.451	0.419	188.200	189.100	92.775%	93.736%
x		88.695%	2.950	0.463	0.440	190.600	188.700	91.327%	91.584%
σ		1.850%	0.130	0.011	0.027	4.125	2.011	2.104%	2.272%
%RSD		2.086	4.390	2.417	6.185	2.164	1.065	2.304	2.481

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:36:32	0.218	0.246	32.290	32.160	32.230	85.083%
2	22:37:15	0.229	0.229	32.560	31.880	32.150	87.736%
3	22:37:58	0.246	0.261	32.500	31.720	31.930	89.355%
x		0.231	0.245	32.450	31.920	32.100	87.391%
σ		0.014	0.016	0.145	0.224	0.151	2.157%
%RSD		6.126	6.388	0.447	0.702	0.472	2.468

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:40:51	91.266%	1.481	0.386	1.431	0.000	55.980	4039.000	4131.000
2	22:41:34	91.199%	1.308	1.022	1.166	0.000	57.670	4031.000	4224.000
3	22:42:18	90.544%	1.651	1.432	1.109	0.000	57.420	4030.000	4222.000
x		91.003%	1.480	0.947	1.235	0.000	57.020	4034.000	4192.000
σ		0.399%	0.171	0.527	0.172	0.000	0.914	5.024	52.960
%RSD		0.438	11.560	55.700	13.900	0.000	1.604	0.125	1.263

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:40:51	18190.000	1331.000	0.000	1787.000	1255.000	1132.000	87.116%	209.900
2	22:41:34	18370.000	1372.000	0.000	1850.000	1333.000	1150.000	87.126%	207.800
3	22:42:18	18620.000	1374.000	0.000	1855.000	1351.000	1152.000	87.697%	212.600
x		18390.000	1359.000	0.000	1830.000	1313.000	1145.000	87.313%	210.100
σ		212.100	24.460	0.000	38.100	50.780	11.200	0.332%	2.409
%RSD		1.153	1.800	0.000	2.081	3.868	0.978	0.381	1.147

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:40:51	46.320	36.450	1543.000	64320.000	59950.000	26.940	43.630	45.390
2	22:41:34	47.250	36.880	1559.000	64850.000	60990.000	27.510	43.500	46.310
3	22:42:18	44.550	36.250	1562.000	64730.000	61060.000	27.300	44.190	46.320
x		46.040	36.530	1554.000	64630.000	60670.000	27.250	43.770	46.010
σ		1.375	0.320	10.310	274.600	622.100	0.290	0.366	0.531
%RSD		2.986	0.875	0.663	0.425	1.026	1.063	0.836	1.154

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:40:51	44.420	134.300	135.000	20.390	-2.233	2.256	0.000	13.890
2	22:41:34	46.010	136.500	136.000	18.910	-3.205	3.417	0.000	13.660
3	22:42:18	46.960	136.400	138.000	18.950	-2.981	1.140	0.000	13.810
x		45.800	135.700	136.300	19.420	-2.806	2.271	0.000	13.790
σ		1.280	1.209	1.518	0.842	0.509	1.139	0.000	0.120
%RSD		2.794	0.891	1.114	4.338	18.130	50.150	0.000	0.872

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:40:51	0.000	1.651	1.987	87.349%	0.043	0.013	0.474	0.380
2	22:41:34	0.000	2.046	1.931	90.336%	0.024	0.030	0.584	0.484
3	22:42:18	0.000	2.038	2.112	90.637%	0.035	0.019	0.303	0.317
x		0.000	1.912	2.010	89.441%	0.034	0.021	0.453	0.393
σ		0.000	0.226	0.092	1.818%	0.009	0.009	0.142	0.085
%RSD		0.000	11.810	4.600	2.033	27.860	42.660	31.240	21.520

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:40:51	86.796%	2.674	0.391	0.423	184.900	184.800	91.779%	90.334%
2	22:41:34	90.697%	2.591	0.370	0.367	184.400	186.400	92.558%	94.047%
3	22:42:18	90.391%	2.744	0.381	0.335	185.800	184.600	94.416%	95.051%
x		89.294%	2.670	0.381	0.375	185.000	185.300	92.918%	93.144%
σ		2.169%	0.077	0.011	0.045	0.686	0.971	1.355%	2.485%
%RSD		2.429	2.881	2.822	11.900	0.371	0.524	1.458	2.668

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:40:51	0.204	0.237	29.980	29.660	29.650	86.050%
2	22:41:34	0.231	0.215	30.350	29.340	29.740	89.530%
3	22:42:18	0.259	0.204	30.230	29.410	29.880	90.439%
x		0.231	0.219	30.190	29.470	29.760	88.673%
σ		0.027	0.017	0.189	0.170	0.118	2.317%
%RSD		11.800	7.581	0.626	0.578	0.395	2.613

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:11	89.877%	1.345	2.381	1.804	0.000	78.540	5160.000	5324.000
2	22:45:54	90.599%	1.476	2.200	1.475	0.000	77.410	5061.000	5266.000
3	22:46:37	88.523%	1.234	1.414	1.759	0.000	80.450	5102.000	5395.000
x		89.666%	1.352	1.998	1.679	0.000	78.800	5108.000	5328.000
σ		1.054%	0.121	0.514	0.178	0.000	1.538	49.570	64.660
%RSD		1.175	8.978	25.710	10.620	0.000	1.952	0.971	1.214

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:11	20760.000	1421.000	0.000	2804.000	2011.000	1882.000	85.653%	204.200
2	22:45:54	20620.000	1424.000	0.000	2869.000	2008.000	1854.000	86.805%	199.800
3	22:46:37	20990.000	1444.000	0.000	2908.000	2009.000	1891.000	86.843%	202.500
x		20790.000	1430.000	0.000	2860.000	2009.000	1876.000	86.434%	202.200
σ		187.100	12.700	0.000	52.560	1.803	19.180	0.676%	2.199
%RSD		0.900	0.888	0.000	1.838	0.090	1.022	0.782	1.088

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:11	44.550	34.450	988.300	58980.000	55110.000	26.370	50.960	41.390
2	22:45:54	43.860	33.870	989.600	58810.000	55370.000	26.500	51.260	41.880
3	22:46:37	42.850	34.300	991.700	58800.000	55260.000	26.940	50.570	42.270
x		43.750	34.200	989.800	58870.000	55250.000	26.600	50.930	41.850
σ		0.856	0.302	1.731	98.420	132.300	0.297	0.347	0.444
%RSD		1.956	0.884	0.175	0.167	0.239	1.118	0.682	1.060

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:11	42.670	136.200	139.200	15.230	-0.395	2.705	0.000	20.070
2	22:45:54	42.610	142.700	138.800	14.550	-1.462	3.191	0.000	19.800
3	22:46:37	42.890	141.300	139.800	14.410	-2.859	3.563	0.000	19.750
x		42.720	140.100	139.300	14.730	-1.572	3.153	0.000	19.880
σ		0.143	3.408	0.543	0.439	1.236	0.430	0.000	0.172
%RSD		0.335	2.433	0.390	2.982	78.610	13.640	0.000	0.864

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:11	0.000	1.040	1.012	86.487%	-0.004	0.010	0.403	0.402
2	22:45:54	0.000	1.157	1.119	88.716%	-0.002	-0.002	0.491	0.458
3	22:46:37	0.000	1.260	1.071	89.900%	-0.002	0.009	0.446	0.448
x		0.000	1.152	1.068	88.367%	-0.003	0.006	0.447	0.436
σ		0.000	0.110	0.054	1.733%	0.001	0.007	0.044	0.030
%RSD		0.000	9.586	5.048	1.961	35.740	117.700	9.922	6.929

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:11	86.171%	2.250	0.348	0.364	232.200	228.900	88.554%	88.549%
2	22:45:54	89.171%	2.312	0.347	0.355	228.500	227.600	91.577%	91.659%
3	22:46:37	89.578%	2.462	0.331	0.357	230.100	227.000	91.996%	91.798%
x		88.306%	2.341	0.342	0.359	230.300	227.800	90.709%	90.669%
σ		1.861%	0.109	0.009	0.005	1.888	0.986	1.878%	1.837%
%RSD		2.107	4.650	2.770	1.339	0.820	0.433	2.070	2.026

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:11	0.217	0.266	29.530	28.780	29.360	84.841%
2	22:45:54	0.275	0.280	29.030	29.540	29.430	87.670%
3	22:46:37	0.255	0.319	29.060	29.180	29.350	88.682%
x		0.249	0.288	29.200	29.170	29.380	87.065%
σ		0.030	0.027	0.281	0.383	0.040	1.991%
%RSD		11.940	9.502	0.961	1.313	0.137	2.286

LCS 180-45944/2-A 9/6/2012 10:48:49 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	22:49:32	87.658%	47.730	897.000	934.400	0.000	45720.000	41550.000	42180.000
2	22:50:15	89.090%	47.630	912.000	955.000	0.000	45500.000	40410.000	41470.000
3	22:50:58	90.003%	46.970	942.800	975.000	0.000	45600.000	40170.000	42170.000
x		88.917%	47.440	917.300	954.800	0.000	45610.000	40710.000	41940.000
σ		1.182%	0.412	23.320	20.310	0.000	110.200	734.000	407.100
%RSD		1.329	0.868	2.543	2.127	0.000	0.242	1.803	0.971

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:32	1714.000	8820.000	0.000	51040.000	48740.000	45370.000	77.148%	895.900
2	22:50:15	1717.000	8949.000	0.000	52020.000	49800.000	45440.000	79.065%	903.300
3	22:50:58	1738.000	9029.000	0.000	52630.000	50480.000	45950.000	80.094%	903.800
x		1723.000	8933.000	0.000	51900.000	49680.000	45590.000	78.769%	901.000
σ		13.100	105.800	0.000	802.600	879.900	318.500	1.495%	4.432
%RSD		0.760	1.184	0.000	1.546	1.771	0.699	1.898	0.492

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:32	458.700	191.300	465.100	1030.000	1414.000	477.600	486.800	246.400
2	22:50:15	456.100	190.600	465.400	1013.000	1388.000	479.600	489.900	249.300
3	22:50:58	458.800	191.000	468.700	1011.000	1385.000	484.600	497.000	251.600
x		457.900	191.000	466.400	1018.000	1396.000	480.600	491.200	249.100
σ		1.524	0.370	2.000	10.450	15.720	3.610	5.235	2.628
%RSD		0.333	0.194	0.429	1.027	1.126	0.751	1.066	1.055

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:32	251.900	490.100	489.700	39.700	9.333	12.770	0.000	911.700
2	22:50:15	252.400	493.000	493.000	42.100	8.364	10.190	0.000	911.800
3	22:50:58	255.000	500.400	505.000	38.200	7.082	11.820	0.000	924.500
x		253.100	494.500	495.900	40.000	8.260	11.600	0.000	916.000
σ		1.660	5.321	8.041	1.969	1.129	1.306	0.000	7.346
%RSD		0.656	1.076	1.622	4.922	13.670	11.260	0.000	0.802

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:32	77.200%	955.900	964.000	77.985%	47.960	48.140	47.270	39.770
2	22:50:15	79.436%	969.700	975.400	81.393%	48.000	47.490	45.290	40.300
3	22:50:58	80.714%	976.900	984.000	82.623%	48.030	48.500	48.840	42.570
x		79.117%	967.500	974.500	80.667%	48.000	48.040	47.140	40.880
σ		1.778%	10.670	10.010	2.403%	0.036	0.511	1.776	1.486
%RSD		2.248	1.103	1.028	2.978	0.076	1.063	3.769	3.635

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:32	78.213%	1818.000	473.200	466.900	1834.000	1832.000	81.954%	81.943%
2	22:50:15	82.823%	1799.000	466.400	460.800	1814.000	1813.000	84.758%	86.320%
3	22:50:58	82.918%	1848.000	474.800	472.500	1852.000	1830.000	86.743%	87.057%
x		81.318%	1822.000	471.500	466.700	1833.000	1825.000	84.485%	85.107%
σ		2.689%	25.140	4.491	5.886	19.110	10.800	2.406%	2.765%
%RSD		3.307	1.380	0.953	1.261	1.042	0.592	2.848	3.249

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:32	48.520	48.900	19.710	20.000	19.730	76.851%
2	22:50:15	48.810	48.860	18.930	19.340	19.390	80.976%
3	22:50:58	49.020	49.010	19.640	19.820	19.750	82.494%
x		48.780	48.930	19.430	19.720	19.620	80.107%
σ		0.253	0.076	0.430	0.340	0.202	2.920%
%RSD		0.519	0.155	2.215	1.724	1.032	3.645

CCV 526714 9/6/2012 10:56:05 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:56:48	84.580%	101.200	100.200	96.230	0.000	50470.000	45970.000	46090.000
2	22:57:31	85.842%	101.600	103.000	102.000	0.000	49980.000	44860.000	45540.000
3	22:58:14	83.420%	107.100	100.900	106.000	0.000	50700.000	44620.000	46020.000
x		84.614%	103.305%	101.364%	101.414%	0.000	100.765%	90.302%	91.765%
σ		1.211%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.431	3.193	1.459	4.859	0.000	0.728	1.603	0.657

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:56:48	477.000	4959.000	0.000	53440.000	49880.000	46530.000	83.978%	96.410
2	22:57:31	471.700	4971.000	0.000	54410.000	51150.000	47210.000	84.689%	94.740
3	22:58:14	490.100	5040.000	0.000	55480.000	52330.000	47590.000	84.462%	95.870
x		95.917%	99.798%	0.000	108.888%	102.238%	94.223%	84.377%	95.673%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.363%	n/a
%RSD		1.979	0.882	0.000	1.875	2.397	1.143	0.430	0.893

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:56:48	93.860	94.890	481.400	25860.000	24450.000	99.400	101.400	102.400
2	22:57:31	93.500	94.670	481.600	25790.000	24520.000	99.710	101.700	102.400
3	22:58:14	93.130	95.060	485.300	25990.000	24820.000	100.700	102.500	104.500
x		93.499%	94.876%	96.558%	103.531%	98.386%	99.933%	101.863%	103.087%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.391	0.207	0.454	0.397	0.795	0.668	0.575	1.183

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:56:48	103.400	104.100	101.500	103.900	97.040	101.500	0.000	100.300
2	22:57:31	104.300	109.900	107.000	103.200	93.960	101.300	0.000	100.300
3	22:58:14	106.000	109.400	109.900	106.300	96.980	105.900	0.000	100.200
x		104.571%	107.789%	106.140%	104.441%	95.993%	102.917%	0.000	100.261%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.285	3.008	4.004	1.553	1.834	2.515	0.000	0.063

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:56:48	81.442%	98.890	99.830	81.354%	101.600	101.800	100.900	99.260
2	22:57:31	83.569%	101.900	102.200	84.636%	99.880	101.300	101.700	99.010
3	22:58:14	83.308%	103.900	103.800	85.212%	101.600	101.000	100.200	100.800
x		82.773%	101.575%	101.960%	83.734%	101.032%	101.381%	100.945%	99.703%
σ		1.160%	n/a	n/a	2.081%	n/a	n/a	n/a	n/a
%RSD		1.402	2.496	1.984	2.485	0.985	0.402	0.716	0.998

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:56:48	83.139%	98.740	100.500	101.400	98.710	99.560	84.870%	84.764%
2	22:57:31	85.534%	99.510	101.400	100.300	97.920	97.760	87.731%	87.135%
3	22:58:14	86.490%	101.500	101.000	99.700	99.920	97.370	88.883%	89.316%
x		85.054%	99.916%	100.944%	100.446%	98.851%	98.230%	87.162%	87.072%
σ		1.726%	n/a	n/a	n/a	n/a	n/a	2.066%	2.277%
%RSD		2.029	1.422	0.466	0.841	1.017	1.189	2.371	2.615

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:56:48	100.500	100.100	101.900	100.700	101.300	81.769%
2	22:57:31	100.700	101.400	102.200	101.500	101.900	84.272%
3	22:58:14	100.200	101.100	101.900	102.500	102.400	85.734%
x		100.450%	100.908%	101.981%	101.584%	101.883%	83.925%
σ		n/a	n/a	n/a	n/a	n/a	2.005%
%RSD		0.239	0.672	0.216	0.877	0.519	2.389

CCB9 9/6/2012 11:04:05 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:04:48	94.499%	-0.066	0.933	-0.283	0.000	11.640	8.072	6.639
2	23:05:31	94.779%	0.024	0.675	-0.783	0.000	17.860	11.780	10.620
3	23:06:14	96.935%	0.007	0.700	-1.313	0.000	19.780	11.470	14.420
x		95.404%	-0.011	0.769	-0.793	0.000	16.430	10.440	10.560
σ		1.333%	0.048	0.142	0.515	0.000	4.253	2.059	3.888
%RSD		1.397	419.500	18.490	64.910	0.000	25.890	19.710	36.830

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:04:48	2.609	3.100	0.000	49.110	14.590	4.907	98.696%	0.027
2	23:05:31	2.715	5.995	0.000	58.380	11.500	15.750	99.566%	0.025
3	23:06:14	3.322	5.689	0.000	57.960	14.130	24.480	100.247%	0.072
x		2.882	4.928	0.000	55.150	13.410	15.040	99.503%	0.041
σ		0.385	1.591	0.000	5.234	1.667	9.805	0.777%	0.027
%RSD		13.350	32.270	0.000	9.490	12.430	65.180	0.781	64.520

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:04:48	0.283	0.034	0.319	-0.580	36.110	-0.008	-0.126	0.182
2	23:05:31	-0.122	0.026	0.407	-1.447	36.630	0.025	-0.145	0.285
3	23:06:14	0.186	0.093	0.496	-0.708	52.350	0.042	-0.112	0.173
x		0.116	0.051	0.407	-0.911	41.700	0.020	-0.128	0.213
σ		0.211	0.037	0.088	0.468	9.231	0.026	0.017	0.062
%RSD		182.600	71.880	21.710	51.320	22.140	129.500	13.130	29.060

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:04:48	0.129	-0.436	-0.495	-0.202	-6.400	-1.547	0.000	0.066
2	23:05:31	0.213	-0.534	-0.385	0.520	-7.210	0.879	0.000	0.145
3	23:06:14	0.191	-0.449	-0.099	0.260	-7.645	1.079	0.000	0.131
x		0.178	-0.473	-0.326	0.193	-7.085	0.137	0.000	0.114
σ		0.044	0.054	0.205	0.366	0.631	1.462	0.000	0.042
%RSD		24.710	11.340	62.720	189.800	8.913	1065.000	0.000	36.780

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:04:48	96.237%	0.813	0.676	100.741%	0.013	-0.005	-0.034	0.008
2	23:05:31	97.390%	0.704	0.648	104.619%	-0.009	-0.001	-0.131	-0.046
3	23:06:14	99.289%	0.762	0.695	105.397%	0.004	-0.004	0.006	0.047
x		97.639%	0.760	0.673	103.585%	0.003	-0.003	-0.053	0.003
σ		1.541%	0.055	0.024	2.494%	0.011	0.002	0.070	0.047
%RSD		1.578	7.175	3.503	2.408	402.500	62.980	133.200	1487.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:04:48	100.052%	0.341	0.079	0.078	0.061	0.071	100.685%	100.054%
2	23:05:31	104.329%	0.137	0.085	0.053	0.057	0.128	102.793%	104.025%
3	23:06:14	105.284%	0.167	0.079	0.074	0.150	0.126	103.783%	105.300%
x		103.222%	0.215	0.081	0.068	0.089	0.108	102.420%	103.126%
σ		2.786%	0.110	0.003	0.014	0.053	0.032	1.582%	2.736%
%RSD		2.699	51.240	4.281	19.970	58.790	29.890	1.545	2.653

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:04:48	0.009	0.028	0.323	0.352	0.331	100.986%
2	23:05:31	0.008	0.019	0.252	0.311	0.277	104.784%
3	23:06:14	0.034	0.027	0.293	0.255	0.288	106.436%
x		0.017	0.025	0.289	0.306	0.299	104.069%
σ		0.014	0.005	0.035	0.049	0.029	2.795%
%RSD		83.710	18.920	12.250	15.890	9.556	2.685

MB 180-45944/1-A 9/6/2012 11:11:22 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	23:12:05	97.423%	0.007	-1.668	-1.232	0.000	2.963	-1.193	-1.340
2	23:12:48	96.709%	0.008	-1.066	-1.024	0.000	3.823	-0.926	-0.317
3	23:13:31	96.823%	-0.007	-1.191	-1.898	0.000	3.023	0.342	0.556
x		96.985%	0.002	-1.309	-1.385	0.000	3.269	-0.592	-0.367
σ		0.384%	0.009	0.317	0.456	0.000	0.480	0.821	0.949
%RSD		0.395	346.200	24.260	32.950	0.000	14.690	138.500	258.600

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:12:05	-0.370	3.892	0.000	33.680	-5.395	-3.525	97.199%	-0.020
2	23:12:48	0.105	4.538	0.000	29.430	-8.438	0.961	99.674%	-0.025
3	23:13:31	0.331	4.803	0.000	34.430	-2.907	-0.551	101.090%	-0.174
x		0.022	4.411	0.000	32.510	-5.580	-1.039	99.321%	-0.073
σ		0.358	0.469	0.000	2.698	2.770	2.282	1.969%	0.087
%RSD		1630.000	10.620	0.000	8.297	49.640	219.700	1.983	120.100

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:12:05	0.113	0.358	0.122	-19.900	27.040	-0.004	-0.186	0.242
2	23:12:48	0.374	0.367	0.136	-22.430	19.340	-0.006	-0.163	0.276
3	23:13:31	0.448	0.352	0.143	-23.090	13.970	0.003	-0.174	0.253
x		0.312	0.359	0.134	-21.800	20.120	-0.002	-0.175	0.257
σ		0.176	0.008	0.011	1.687	6.570	0.005	0.012	0.017
%RSD		56.390	2.204	7.949	7.735	32.660	205.400	6.590	6.575

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:12:05	0.296	-0.345	-0.245	-0.274	-4.834	-1.995	0.000	0.012
2	23:12:48	0.278	-0.298	-0.338	-0.201	-5.399	-2.112	0.000	0.041
3	23:13:31	0.358	-0.359	-0.400	-0.171	-5.688	-1.366	0.000	0.050
x		0.311	-0.334	-0.328	-0.215	-5.307	-1.824	0.000	0.034
σ		0.042	0.032	0.078	0.053	0.434	0.401	0.000	0.020
%RSD		13.570	9.560	23.810	24.500	8.181	21.980	0.000	57.890

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:12:05	94.849%	0.349	0.419	99.434%	-0.030	-0.020	-0.097	-0.049
2	23:12:48	97.980%	0.411	0.281	104.218%	-0.011	-0.010	-0.035	-0.042
3	23:13:31	98.968%	0.379	0.320	105.465%	-0.007	-0.020	-0.206	-0.103
x		97.266%	0.380	0.340	103.039%	-0.016	-0.017	-0.113	-0.065
σ		2.151%	0.031	0.071	3.183%	0.012	0.005	0.086	0.034
%RSD		2.211	8.215	20.910	3.090	74.830	32.880	76.650	52.160

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:12:05	98.305%	0.340	0.015	0.040	-0.024	0.016	99.893%	100.028%
2	23:12:48	102.849%	0.203	0.039	0.028	-0.037	0.034	104.177%	104.842%
3	23:13:31	104.899%	0.044	0.011	0.046	-0.003	0.006	105.979%	105.633%
x		102.018%	0.196	0.022	0.038	-0.021	0.019	103.350%	103.501%
σ		3.375%	0.148	0.015	0.009	0.018	0.014	3.126%	3.034%
%RSD		3.308	75.750	70.110	23.910	81.930	73.760	3.025	2.931

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:12:05	0.032	0.039	0.095	0.112	0.100	103.083%
2	23:12:48	0.011	0.021	0.069	0.089	0.085	105.879%
3	23:13:31	0.000	0.016	0.085	0.075	0.083	106.619%
x		0.014	0.026	0.083	0.092	0.089	105.194%
σ		0.016	0.012	0.013	0.018	0.009	1.865%
%RSD		111.000	46.330	15.970	19.980	10.290	1.773

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:16:25	90.035%	-0.001	54.620	51.370	0.000	74510.000	18800.000	19090.000
2	23:17:08	89.816%	-0.001	48.530	56.160	0.000	73760.000	17890.000	19030.000
3	23:17:51	89.698%	0.113	60.930	55.460	0.000	74640.000	18150.000	19070.000
x		89.850%	0.037	54.690	54.330	0.000	74310.000	18280.000	19060.000
σ		0.171%	0.065	6.202	2.589	0.000	475.700	468.900	30.430
%RSD		0.190	175.800	11.340	4.765	0.000	0.640	2.565	0.160

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:16:25	121.200	6884.000	0.000	1648.000	122100.000	125300.000	77.940%	5.936
2	23:17:08	120.700	7033.000	0.000	1686.000	124200.000	124500.000	79.278%	7.846
3	23:17:51	122.500	7124.000	0.000	1717.000	127500.000	126000.000	79.332%	7.217
x		121.400	7014.000	0.000	1684.000	124600.000	125300.000	78.850%	7.000
σ		0.932	121.400	0.000	34.750	2743.000	740.900	0.789%	0.973
%RSD		0.767	1.730	0.000	2.064	2.201	0.591	1.000	13.900

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:16:25	5.506	13.770	1761.000	13880.000	13910.000	0.891	15.110	5.295
2	23:17:08	6.101	13.830	1772.000	13880.000	14090.000	0.912	16.060	5.630
3	23:17:51	6.752	13.330	1772.000	13910.000	14080.000	0.937	15.770	5.531
x		6.120	13.640	1768.000	13890.000	14020.000	0.913	15.650	5.485
σ		0.624	0.272	6.548	15.180	103.500	0.023	0.486	0.172
%RSD		10.190	1.990	0.370	0.109	0.738	2.537	3.106	3.138

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:16:25	5.177	41.040	40.500	59.840	2.696	5.930	0.000	831.700
2	23:17:08	5.489	41.240	38.120	59.810	2.795	4.959	0.000	832.300
3	23:17:51	5.698	40.740	42.130	59.430	-0.915	2.968	0.000	827.700
x		5.455	41.010	40.250	59.700	1.525	4.619	0.000	830.500
σ		0.262	0.253	2.014	0.229	2.114	1.510	0.000	2.502
%RSD		4.806	0.616	5.004	0.383	138.600	32.690	0.000	0.301

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:16:25	77.142%	18.560	18.810	77.818%	-0.013	-0.017	3.018	2.622
2	23:17:08	79.423%	19.390	19.430	80.837%	-0.020	-0.024	2.442	2.764
3	23:17:51	80.253%	17.950	19.260	81.958%	-0.020	-0.021	2.488	2.771
x		78.940%	18.630	19.170	80.204%	-0.018	-0.021	2.649	2.719
σ		1.611%	0.724	0.322	2.141%	0.004	0.003	0.320	0.084
%RSD		2.041	3.887	1.681	2.670	22.970	15.650	12.090	3.088

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:16:25	77.525%	16.890	0.374	0.437	620.700	619.600	82.554%	82.626%
2	23:17:08	81.791%	14.070	0.361	0.427	618.300	613.600	84.942%	86.079%
3	23:17:51	83.197%	11.700	0.405	0.436	619.400	613.700	85.422%	86.795%
x		80.837%	14.220	0.380	0.433	619.500	615.600	84.306%	85.167%
σ		2.954%	2.597	0.022	0.005	1.238	3.447	1.536%	2.229%
%RSD		3.654	18.260	5.893	1.261	0.200	0.560	1.822	2.617

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:16:25	0.006	0.028	0.407	0.358	0.390	78.046%
2	23:17:08	-0.008	0.028	0.347	0.390	0.379	81.747%
3	23:17:51	0.000	0.012	0.340	0.345	0.377	82.417%
x		-0.001	0.023	0.365	0.364	0.382	80.737%
σ		0.007	0.010	0.037	0.023	0.007	2.354%
%RSD		893.100	42.570	10.110	6.421	1.889	2.916

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:20:44	88.808%	0.017	8.319	11.160	0.000	14990.000	3655.000	3820.000
2	23:21:27	90.011%	-0.033	9.066	9.566	0.000	14900.000	3652.000	3800.000
3	23:22:10	89.053%	-0.016	8.912	8.472	0.000	15000.000	3607.000	3841.000
x		89.291%	-0.011	8.766	9.734	0.000	14960.000	3638.000	3821.000
σ		0.636%	0.025	0.395	1.353	0.000	54.350	26.870	20.440
%RSD		0.712	237.200	4.501	13.900	0.000	0.363	0.738	0.535

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:20:44	27.680	1390.000	0.000	429.200	25210.000	23220.000	76.526%	1.123
2	23:21:27	26.390	1412.000	0.000	427.600	25740.000	23260.000	77.557%	0.567
3	23:22:10	26.170	1403.000	0.000	429.200	25770.000	23100.000	78.321%	0.466
x		26.750	1402.000	0.000	428.700	25570.000	23190.000	77.468%	0.719
σ		0.817	11.130	0.000	0.922	313.800	83.140	0.901%	0.354
%RSD		3.054	0.793	0.000	0.215	1.227	0.358	1.163	49.230

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:20:44	1.070	2.716	352.300	2727.000	2839.000	0.183	3.005	1.312
2	23:21:27	1.322	2.850	353.100	2715.000	2817.000	0.182	2.917	1.216
3	23:22:10	0.895	2.708	353.000	2560.000	2800.000	0.170	3.020	1.343
x		1.096	2.758	352.800	2667.000	2819.000	0.179	2.981	1.290
σ		0.215	0.080	0.398	93.300	19.700	0.007	0.056	0.066
%RSD		19.590	2.892	0.113	3.498	0.699	4.037	1.881	5.137

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:20:44	1.227	8.393	8.755	12.150	-0.123	6.117	0.000	156.700
2	23:21:27	1.316	7.738	8.948	12.020	0.387	2.207	0.000	156.400
3	23:22:10	1.271	8.230	8.543	11.830	-1.075	4.287	0.000	157.000
x		1.271	8.120	8.749	12.000	-0.270	4.204	0.000	156.700
σ		0.045	0.341	0.203	0.161	0.742	1.956	0.000	0.299
%RSD		3.531	4.203	2.315	1.341	274.400	46.540	0.000	0.191

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:20:44	83.002%	3.492	3.587	86.016%	-0.012	-0.015	0.487	0.496
2	23:21:27	85.049%	3.473	3.457	89.047%	-0.024	-0.019	0.539	0.572
3	23:22:10	86.170%	3.083	3.612	89.882%	-0.027	-0.011	0.574	0.595
x		84.740%	3.349	3.552	88.315%	-0.021	-0.015	0.533	0.555
σ		1.606%	0.231	0.083	2.034%	0.008	0.004	0.044	0.052
%RSD		1.896	6.889	2.337	2.303	36.700	27.520	8.248	9.368

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:20:44	85.854%	0.376	0.081	0.102	118.100	121.500	81.695%	87.119%
2	23:21:27	89.956%	0.262	0.105	0.104	117.100	116.600	86.362%	90.485%
3	23:22:10	90.510%	0.158	0.113	0.111	118.700	119.700	87.058%	92.876%
x		88.773%	0.265	0.100	0.106	118.000	119.300	85.038%	90.160%
σ		2.543%	0.109	0.017	0.004	0.802	2.487	2.916%	2.892%
%RSD		2.865	41.110	16.720	4.076	0.680	2.085	3.429	3.208

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:20:44	-0.029	-0.029	0.385	0.314	0.358	82.219%
2	23:21:27	-0.030	-0.025	0.237	0.254	0.257	85.967%
3	23:22:10	-0.038	-0.032	0.159	0.198	0.174	87.855%
x		-0.032	-0.029	0.260	0.255	0.263	85.347%
σ		0.005	0.003	0.115	0.058	0.092	2.869%
%RSD		14.010	12.260	44.060	22.650	35.140	3.361

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:25:03	86.658%	48.060	979.100	1003.000	0.000	122900.000	61870.000	63440.000
2	23:25:46	87.087%	46.670	996.700	1039.000	0.000	121300.000	59720.000	63370.000
3	23:26:29	88.141%	45.660	993.400	1028.000	0.000	119300.000	58530.000	62610.000
x		87.295%	46.790	989.700	1023.000	0.000	121200.000	60040.000	63140.000
σ		0.763%	1.205	9.330	18.430	0.000	1764.000	1691.000	457.900
%RSD		0.874	2.575	0.943	1.800	0.000	1.456	2.817	0.725

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:25:03	1940.000	16550.000	0.000	54160.000	175900.000	177300.000	78.652%	926.200
2	23:25:46	1953.000	16770.000	0.000	55340.000	176800.000	175800.000	80.134%	912.400
3	23:26:29	1952.000	16740.000	0.000	55470.000	176800.000	175600.000	80.998%	904.200
x		1948.000	16690.000	0.000	54990.000	176500.000	176200.000	79.928%	914.300
σ		7.391	120.000	0.000	720.200	519.500	925.100	1.187%	11.090
%RSD		0.379	0.719	0.000	1.310	0.294	0.525	1.485	1.213

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:25:03	461.100	198.400	2189.000	14910.000	15290.000	477.900	495.600	252.500
2	23:25:46	457.000	197.400	2173.000	14910.000	15360.000	483.000	503.800	254.800
3	23:26:29	453.300	195.600	2208.000	14810.000	15240.000	480.700	498.700	253.500
x		457.100	197.200	2190.000	14880.000	15290.000	480.500	499.300	253.600
σ		3.914	1.428	17.870	60.570	57.910	2.527	4.128	1.156
%RSD		0.856	0.724	0.816	0.407	0.379	0.526	0.827	0.456

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:25:03	253.900	529.200	518.700	98.430	9.174	12.950	0.000	1710.000
2	23:25:46	258.700	533.700	531.200	99.050	9.834	13.810	0.000	1744.000
3	23:26:29	256.100	534.600	531.500	98.410	8.848	12.950	0.000	1730.000
x		256.200	532.500	527.100	98.630	9.285	13.240	0.000	1728.000
σ		2.431	2.879	7.291	0.362	0.502	0.500	0.000	17.090
%RSD		0.949	0.541	1.383	0.367	5.407	3.781	0.000	0.989

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:25:03	78.636%	999.500	1014.000	79.141%	48.360	48.270	50.130	45.360
2	23:25:46	80.819%	1001.000	1007.000	82.556%	47.860	49.190	51.840	45.730
3	23:26:29	82.307%	994.800	1006.000	83.723%	47.770	47.240	49.030	45.810
x		80.587%	998.400	1009.000	81.807%	48.000	48.230	50.330	45.630
σ		1.847%	3.220	4.012	2.381%	0.319	0.979	1.416	0.242
%RSD		2.291	0.323	0.398	2.911	0.664	2.030	2.814	0.530

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:25:03	79.708%	1858.000	478.800	473.900	2462.000	2437.000	84.242%	84.474%
2	23:25:46	82.433%	1875.000	482.100	476.700	2485.000	2466.000	85.782%	88.076%
3	23:26:29	85.638%	1841.000	474.500	470.800	2438.000	2414.000	87.861%	88.784%
x		82.593%	1858.000	478.500	473.800	2462.000	2439.000	85.962%	87.111%
σ		2.968%	16.990	3.780	2.939	23.620	25.950	1.816%	2.311%
%RSD		3.594	0.914	0.790	0.620	0.960	1.064	2.113	2.653

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:25:03	47.220	47.130	19.560	19.720	19.580	81.186%
2	23:25:46	46.490	46.800	19.510	19.230	19.310	85.497%
3	23:26:29	46.620	46.870	19.120	18.420	18.970	86.940%
x		46.770	46.930	19.400	19.120	19.290	84.541%
σ		0.388	0.172	0.239	0.659	0.306	2.994%
%RSD		0.830	0.366	1.230	3.445	1.587	3.542

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:29:23	88.009%	47.750	979.100	1041.000	0.000	124700.000	62070.000	63860.000
2	23:30:06	87.820%	47.680	998.000	1046.000	0.000	124700.000	60280.000	63960.000
3	23:30:49	87.047%	48.520	987.300	1067.000	0.000	126000.000	60440.000	65130.000
x		87.625%	47.980	988.100	1051.000	0.000	125100.000	60930.000	64320.000
σ		0.510%	0.467	9.480	13.690	0.000	726.000	991.600	708.000
%RSD		0.582	0.973	0.959	1.303	0.000	0.580	1.627	1.101

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:29:23	1966.000	16860.000	0.000	54910.000	179700.000	181900.000	79.523%	923.300
2	23:30:06	2007.000	17250.000	0.000	56420.000	182900.000	182600.000	80.705%	929.200
3	23:30:49	2025.000	17390.000	0.000	57460.000	185800.000	184100.000	81.011%	920.200
x		1999.000	17160.000	0.000	56260.000	182800.000	182900.000	80.413%	924.200
σ		30.150	277.900	0.000	1281.000	3026.000	1107.000	0.786%	4.552
%RSD		1.508	1.619	0.000	2.276	1.655	0.605	0.977	0.492

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:29:23	466.700	198.900	2260.000	15280.000	15620.000	479.400	502.000	256.100
2	23:30:06	464.200	200.200	2216.000	15330.000	15910.000	486.000	510.500	255.400
3	23:30:49	462.400	198.300	2194.000	15480.000	15980.000	491.700	520.500	260.000
x		464.400	199.100	2223.000	15360.000	15840.000	485.700	511.000	257.200
σ		2.154	0.958	33.560	104.400	192.800	6.185	9.278	2.487
%RSD		0.464	0.481	1.509	0.680	1.218	1.273	1.816	0.967

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:29:23	258.600	534.300	522.600	102.300	9.767	14.390	0.000	1734.000
2	23:30:06	259.600	540.100	537.100	102.000	7.473	14.550	0.000	1763.000
3	23:30:49	265.900	545.500	539.500	101.700	7.287	14.320	0.000	1766.000
x		261.400	540.000	533.100	102.000	8.176	14.420	0.000	1755.000
σ		3.974	5.612	9.191	0.314	1.381	0.119	0.000	17.540
%RSD		1.520	1.039	1.724	0.308	16.890	0.824	0.000	1.000

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:29:23	79.915%	1012.000	1017.000	80.098%	48.140	48.120	50.050	45.830
2	23:30:06	82.510%	1011.000	1021.000	83.478%	48.770	48.000	49.550	44.720
3	23:30:49	83.481%	1015.000	1031.000	84.621%	48.450	48.760	51.800	44.710
x		81.969%	1013.000	1023.000	82.732%	48.450	48.300	50.470	45.090
σ		1.844%	2.026	7.441	2.352%	0.317	0.408	1.184	0.643
%RSD		2.249	0.200	0.727	2.843	0.655	0.845	2.346	1.426

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:29:23	81.525%	1872.000	478.200	474.300	2491.000	2462.000	84.428%	84.552%
2	23:30:06	84.673%	1890.000	481.200	473.500	2508.000	2476.000	87.062%	88.381%
3	23:30:49	85.915%	1901.000	485.000	479.500	2501.000	2479.000	88.830%	89.811%
x		84.038%	1888.000	481.500	475.800	2500.000	2472.000	86.773%	87.581%
σ		2.263%	14.390	3.413	3.284	8.432	9.318	2.215%	2.719%
%RSD		2.693	0.762	0.709	0.690	0.337	0.377	2.552	3.104

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:29:23	47.240	47.750	19.810	19.510	19.650	82.336%
2	23:30:06	46.290	47.710	19.340	18.930	19.340	86.484%
3	23:30:49	47.580	47.840	19.130	19.490	19.420	88.581%
x		47.040	47.770	19.430	19.310	19.470	85.800%
σ		0.670	0.068	0.348	0.333	0.165	3.178%
%RSD		1.425	0.141	1.790	1.723	0.845	3.704

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:37	88.440%	0.049	58.810	63.540	0.000	76380.000	18510.000	19450.000
2	23:37:20	90.597%	0.046	58.680	66.290	0.000	75090.000	17960.000	19340.000
3	23:38:03	89.796%	0.096	65.800	67.580	0.000	76580.000	18420.000	19560.000
x		89.611%	0.064	61.100	65.800	0.000	76020.000	18300.000	19450.000
σ		1.090%	0.028	4.074	2.062	0.000	810.300	297.700	110.600
%RSD		1.216	43.320	6.669	3.134	0.000	1.066	1.627	0.569

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:37	134.800	7294.000	0.000	1710.000	125700.000	128000.000	81.316%	6.915
2	23:37:20	133.700	7332.000	0.000	1749.000	128700.000	127800.000	82.322%	6.735
3	23:38:03	137.200	7404.000	0.000	1768.000	129300.000	128400.000	82.004%	6.937
x		135.300	7343.000	0.000	1742.000	127900.000	128100.000	81.881%	6.862
σ		1.800	55.860	0.000	29.400	1934.000	309.800	0.514%	0.111
%RSD		1.331	0.761	0.000	1.688	1.512	0.242	0.628	1.619

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:37	5.568	14.070	1773.000	14080.000	14100.000	0.867	15.360	6.584
2	23:37:20	4.381	13.810	1775.000	14040.000	14210.000	0.862	15.810	6.914
3	23:38:03	4.108	13.950	1791.000	14160.000	14220.000	0.890	15.830	6.477
x		4.686	13.940	1780.000	14100.000	14180.000	0.873	15.670	6.658
σ		0.776	0.127	9.664	58.910	70.050	0.015	0.264	0.228
%RSD		16.560	0.913	0.543	0.418	0.494	1.708	1.685	3.422

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:37	6.221	43.920	41.160	58.760	0.962	3.336	0.000	831.200
2	23:37:20	6.072	43.970	43.350	60.300	-1.127	4.794	0.000	832.100
3	23:38:03	6.480	44.790	44.830	60.820	-2.845	4.530	0.000	833.700
x		6.258	44.220	43.110	59.960	-1.003	4.220	0.000	832.300
σ		0.206	0.489	1.844	1.073	1.907	0.777	0.000	1.309
%RSD		3.298	1.105	4.277	1.789	190.000	18.410	0.000	0.157

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:37	82.103%	21.350	22.220	82.333%	-0.017	-0.021	2.984	2.875
2	23:37:20	84.062%	20.740	20.540	85.929%	-0.018	-0.013	3.275	2.889
3	23:38:03	84.909%	20.550	20.470	87.103%	-0.004	-0.010	2.820	2.779
x		83.691%	20.880	21.070	85.122%	-0.013	-0.015	3.027	2.848
σ		1.439%	0.417	0.992	2.485%	0.008	0.006	0.231	0.060
%RSD		1.720	2.000	4.707	2.920	58.280	39.190	7.618	2.104

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:37	83.159%	26.030	0.584	0.518	621.600	623.000	85.900%	86.438%
2	23:37:20	86.443%	21.550	0.567	0.551	625.600	622.700	88.480%	89.930%
3	23:38:03	88.265%	18.150	0.486	0.492	621.000	617.400	89.946%	90.907%
x		85.956%	21.910	0.545	0.520	622.700	621.000	88.109%	89.092%
σ		2.588%	3.952	0.053	0.030	2.479	3.145	2.049%	2.349%
%RSD		3.011	18.040	9.626	5.698	0.398	0.506	2.325	2.637

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:37	0.199	0.220	0.407	0.352	0.420	83.572%
2	23:37:20	0.172	0.170	0.353	0.389	0.381	87.724%
3	23:38:03	0.102	0.120	0.343	0.383	0.383	88.852%
x		0.158	0.170	0.368	0.375	0.394	86.716%
σ		0.050	0.050	0.035	0.020	0.022	2.781%
%RSD		31.620	29.350	9.390	5.326	5.556	3.207

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:40:57	86.229%	0.455	27.420	31.350	0.000	63610.000	35210.000	33920.000
2	23:41:40	88.419%	0.720	24.970	31.220	0.000	62980.000	34140.000	33230.000
3	23:42:23	88.884%	0.391	30.860	31.930	0.000	62950.000	34190.000	32920.000
x		87.844%	0.522	27.750	31.500	0.000	63180.000	34510.000	33360.000
σ		1.418%	0.174	2.958	0.378	0.000	372.700	603.100	511.900
%RSD		1.614	33.450	10.660	1.200	0.000	0.590	1.748	1.535

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:40:57	9008.000	22540.000	0.000	4919.000	81590.000	73070.000	79.627%	139.300
2	23:41:40	9047.000	22540.000	0.000	5008.000	82290.000	73280.000	80.789%	139.300
3	23:42:23	9074.000	22640.000	0.000	5071.000	83040.000	74140.000	80.624%	139.800
x		9043.000	22570.000	0.000	4999.000	82310.000	73500.000	80.347%	139.500
σ		33.210	60.190	0.000	76.560	721.900	566.200	0.628%	0.317
%RSD		0.367	0.267	0.000	1.532	0.877	0.770	0.782	0.227

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:40:57	22.590	20.870	3763.000	15810.000	15320.000	14.480	30.920	16.170
2	23:41:40	22.460	21.080	3782.000	15870.000	15490.000	14.490	31.570	15.700
3	23:42:23	22.060	21.760	3854.000	16100.000	15780.000	15.130	32.640	16.100
x		22.370	21.240	3800.000	15930.000	15530.000	14.700	31.710	15.990
σ		0.277	0.461	48.050	156.500	235.800	0.369	0.871	0.254
%RSD		1.240	2.173	1.265	0.983	1.519	2.509	2.747	1.586

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:40:57	15.950	81.730	81.040	5.217	-6.530	0.825	0.000	351.900
2	23:41:40	16.220	84.990	82.530	5.894	-7.018	2.178	0.000	349.400
3	23:42:23	16.200	84.920	83.740	7.053	-7.832	1.334	0.000	356.000
x		16.120	83.880	82.440	6.054	-7.126	1.446	0.000	352.500
σ		0.152	1.861	1.355	0.929	0.658	0.684	0.000	3.326
%RSD		0.944	2.219	1.643	15.340	9.230	47.280	0.000	0.944

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:40:57	87.538%	3.363	3.367	81.405%	0.033	0.036	0.973	0.644
2	23:41:40	90.012%	2.842	3.366	84.995%	0.011	0.008	0.614	0.873
3	23:42:23	89.910%	3.015	3.073	85.788%	0.016	0.019	0.655	0.702
x		89.153%	3.073	3.269	84.063%	0.020	0.021	0.748	0.740
σ		1.400%	0.265	0.170	2.335%	0.012	0.014	0.196	0.119
%RSD		1.570	8.629	5.196	2.778	59.770	69.190	26.280	16.070

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:40:57	83.176%	12.250	0.293	0.354	364.700	365.700	85.818%	86.408%
2	23:41:40	86.637%	11.030	0.344	0.362	367.600	369.400	88.296%	90.135%
3	23:42:23	87.357%	9.835	0.402	0.403	367.100	362.800	90.041%	91.565%
x		85.724%	11.040	0.346	0.373	366.500	366.000	88.051%	89.370%
σ		2.235%	1.207	0.054	0.026	1.520	3.285	2.122%	2.662%
%RSD		2.607	10.930	15.710	7.040	0.415	0.897	2.410	2.979

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:40:57	0.173	0.191	10.360	10.550	10.550	82.643%
2	23:41:40	0.161	0.181	11.020	10.330	10.670	86.946%
3	23:42:23	0.177	0.186	10.700	10.700	10.740	88.061%
x		0.170	0.186	10.690	10.530	10.650	85.883%
σ		0.008	0.005	0.330	0.187	0.094	2.861%
%RSD		4.842	2.555	3.085	1.776	0.880	3.331

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:45:18	83.435%	0.057	46.140	48.380	0.000	50380.000	19180.000	20090.000
2	23:46:01	84.650%	0.106	47.210	48.730	0.000	49940.000	18540.000	19930.000
3	23:46:44	86.565%	0.019	50.480	49.240	0.000	48510.000	18050.000	19590.000
x		84.884%	0.061	47.950	48.780	0.000	49610.000	18590.000	19870.000
σ		1.578%	0.044	2.263	0.430	0.000	977.500	568.200	256.600
%RSD		1.859	72.120	4.720	0.882	0.000	1.970	3.056	1.292

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:45:18	667.000	10860.000	0.000	6513.000	162400.000	163200.000	78.817%	18.990
2	23:46:01	666.400	10870.000	0.000	6586.000	163400.000	162500.000	79.732%	20.270
3	23:46:44	660.900	10750.000	0.000	6588.000	161500.000	160400.000	79.927%	20.210
x		664.800	10830.000	0.000	6562.000	162400.000	162000.000	79.492%	19.830
σ		3.384	65.980	0.000	42.660	944.300	1441.000	0.592%	0.724
%RSD		0.509	0.609	0.000	0.650	0.581	0.889	0.745	3.650

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:45:18	5.043	13.270	3874.000	90010.000	85400.000	2.211	7.292	9.104
2	23:46:01	6.572	13.010	3865.000	89480.000	85640.000	2.175	7.376	9.067
3	23:46:44	4.267	12.770	3844.000	89530.000	85640.000	2.123	6.921	9.430
x		5.294	13.020	3861.000	89670.000	85560.000	2.170	7.196	9.200
σ		1.173	0.250	15.650	295.800	140.000	0.044	0.242	0.200
%RSD		22.150	1.919	0.406	0.330	0.164	2.040	3.364	2.168

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:45:18	9.400	62.370	57.910	30.760	-0.931	4.190	0.000	1056.000
2	23:46:01	8.941	59.940	58.970	32.360	-2.495	7.036	0.000	1051.000
3	23:46:44	9.938	61.920	61.560	32.070	-2.057	6.290	0.000	1040.000
x		9.426	61.410	59.480	31.730	-1.828	5.839	0.000	1049.000
σ		0.499	1.295	1.878	0.852	0.806	1.476	0.000	8.181
%RSD		5.295	2.108	3.158	2.685	44.130	25.280	0.000	0.780

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:45:18	80.322%	3.505	3.223	81.868%	0.007	0.003	1.811	1.817
2	23:46:01	81.988%	3.708	3.582	84.711%	0.002	0.002	1.729	2.208
3	23:46:44	83.083%	3.455	3.424	86.128%	-0.015	-0.001	1.917	1.857
x		81.797%	3.556	3.410	84.236%	-0.002	0.001	1.819	1.960
σ		1.390%	0.134	0.180	2.169%	0.012	0.002	0.094	0.215
%RSD		1.700	3.762	5.271	2.575	565.900	179.600	5.194	10.980

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:45:18	81.925%	6.395	0.426	0.359	149.000	146.500	84.949%	86.354%
2	23:46:01	85.086%	6.409	0.404	0.414	147.600	147.700	87.647%	89.475%
3	23:46:44	87.233%	5.779	0.335	0.375	146.100	144.700	88.937%	89.957%
x		84.748%	6.195	0.389	0.383	147.600	146.300	87.178%	88.595%
σ		2.670%	0.360	0.047	0.028	1.475	1.501	2.035%	1.956%
%RSD		3.151	5.805	12.220	7.420	1.000	1.026	2.334	2.208

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:45:18	0.003	0.035	1.467	1.351	1.376	84.695%
2	23:46:01	0.026	0.028	1.292	1.376	1.337	87.999%
3	23:46:44	0.021	0.006	1.238	1.364	1.336	88.904%
x		0.017	0.023	1.332	1.364	1.350	87.199%
σ		0.012	0.015	0.120	0.012	0.023	2.215%
%RSD		72.340	66.400	8.981	0.910	1.693	2.540

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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	23:49:39	86.357%	0.504	53.020	52.110	0.000	91430.000	24390.000	25810.000
2	23:50:22	85.655%	0.541	43.340	55.290	0.000	91910.000	24060.000	26000.000
3	23:51:05	85.710%	0.592	50.140	56.100	0.000	92490.000	22970.000	26550.000
x		85.907%	0.546	48.840	54.500	0.000	91950.000	23800.000	26120.000
σ		0.391%	0.044	4.968	2.110	0.000	530.200	740.800	387.200
%RSD		0.455	8.104	10.170	3.872	0.000	0.577	3.112	1.482

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:49:39	9280.000	19690.000	0.000	5095.000	132700.000	132700.000	79.906%	118.100
2	23:50:22	9390.000	19880.000	0.000	5185.000	133200.000	132300.000	81.118%	113.100
3	23:51:05	9562.000	20330.000	0.000	5367.000	136700.000	133600.000	80.074%	118.900
x		9411.000	19970.000	0.000	5216.000	134200.000	132800.000	80.366%	116.700
σ		141.800	328.100	0.000	139.000	2152.000	662.400	0.657%	3.121
%RSD		1.507	1.643	0.000	2.666	1.603	0.499	0.818	2.674

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:49:39	19.220	18.270	2198.000	14370.000	14380.000	11.890	19.200	11.490
2	23:50:22	21.220	18.310	2156.000	14340.000	14490.000	11.630	18.910	11.880
3	23:51:05	22.410	18.490	2244.000	14630.000	14720.000	11.410	19.970	12.020
x		20.950	18.360	2200.000	14440.000	14530.000	11.640	19.360	11.800
σ		1.613	0.117	43.870	161.500	176.800	0.240	0.545	0.274
%RSD		7.701	0.637	1.995	1.118	1.217	2.065	2.816	2.326

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:49:39	12.330	56.390	56.990	5.807	-4.192	4.675	0.000	608.300
2	23:50:22	11.960	54.790	54.800	5.059	-6.680	2.885	0.000	607.500
3	23:51:05	12.250	56.290	55.890	4.875	-6.725	2.294	0.000	611.300
x		12.180	55.820	55.900	5.247	-5.866	3.285	0.000	609.000
σ		0.195	0.896	1.095	0.493	1.450	1.239	0.000	2.004
%RSD		1.599	1.605	1.958	9.403	24.720	37.740	0.000	0.329

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:49:39	84.828%	2.115	1.879	82.256%	0.018	0.009	0.253	0.222
2	23:50:22	87.459%	2.024	1.757	85.859%	-0.007	0.002	-0.074	-0.018
3	23:51:05	88.071%	1.720	1.627	86.655%	-0.007	-0.007	0.018	0.044
x		86.786%	1.953	1.754	84.923%	0.001	0.001	0.066	0.082
σ		1.723%	0.207	0.126	2.344%	0.014	0.008	0.169	0.125
%RSD		1.986	10.580	7.194	2.760	1001.000	784.900	257.700	151.300

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:49:39	83.238%	5.900	0.268	0.346	252.000	247.900	85.915%	86.983%
2	23:50:22	87.439%	5.258	0.301	0.347	248.200	249.100	90.209%	90.622%
3	23:51:05	88.790%	5.552	0.245	0.309	249.900	250.300	90.731%	91.887%
x		86.489%	5.570	0.272	0.334	250.000	249.100	88.952%	89.831%
σ		2.895%	0.322	0.028	0.022	1.903	1.236	2.643%	2.546%
%RSD		3.347	5.771	10.480	6.441	0.761	0.496	2.971	2.834

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:49:39	0.100	0.175	9.417	9.234	9.388	81.991%
2	23:50:22	0.142	0.150	9.481	9.093	9.350	85.926%
3	23:51:05	0.183	0.152	9.266	9.742	9.387	87.542%
x		0.141	0.159	9.388	9.357	9.375	85.153%
σ		0.041	0.014	0.110	0.342	0.022	2.855%
%RSD		29.360	8.855	1.173	3.649	0.231	3.353

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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	23:54:01	86.381%	0.620	48.240	49.600	0.000	68310.000	34740.000	32130.000
2	23:54:44	88.585%	0.424	48.570	46.990	0.000	67170.000	34170.000	33320.000
3	23:55:26	89.402%	0.420	43.600	49.510	0.000	66910.000	33590.000	33700.000
x		88.123%	0.488	46.800	48.700	0.000	67470.000	34170.000	33050.000
σ		1.563%	0.115	2.783	1.483	0.000	746.600	575.500	821.700
%RSD		1.773	23.470	5.946	3.045	0.000	1.107	1.685	2.486

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:54:01	6706.000	15180.000	0.000	3545.000	95930.000	86180.000	80.814%	108.600
2	23:54:44	6673.000	15160.000	0.000	3579.000	97820.000	86080.000	82.046%	106.500
3	23:55:26	6609.000	15030.000	0.000	3639.000	97790.000	86080.000	82.159%	106.600
x		6663.000	15120.000	0.000	3588.000	97180.000	86110.000	81.673%	107.200
σ		49.060	78.710	0.000	47.880	1078.000	53.660	0.746%	1.176
%RSD		0.736	0.520	0.000	1.335	1.110	0.062	0.913	1.097

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:54:01	19.490	21.720	350.500	10070.000	10120.000	4.745	14.820	22.030
2	23:54:44	17.610	21.920	353.600	10100.000	10260.000	5.027	15.800	21.810
3	23:55:26	18.260	21.760	351.600	10060.000	10270.000	5.156	15.700	22.340
x		18.450	21.800	351.900	10080.000	10220.000	4.976	15.440	22.060
σ		0.955	0.105	1.590	22.600	84.380	0.210	0.538	0.265
%RSD		5.174	0.483	0.452	0.224	0.826	4.224	3.483	1.203

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:54:01	21.970	59.860	59.760	4.526	-4.519	4.542	0.000	455.700
2	23:54:44	21.890	58.650	59.220	3.534	-6.173	3.170	0.000	460.700
3	23:55:26	22.700	58.340	59.510	5.306	-7.770	2.269	0.000	451.200
x		22.190	58.950	59.500	4.455	-6.154	3.327	0.000	455.900
σ		0.449	0.805	0.268	0.888	1.626	1.144	0.000	4.744
%RSD		2.021	1.366	0.451	19.930	26.420	34.390	0.000	1.041

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:54:01	86.350%	1.078	1.038	83.765%	-0.015	0.002	0.358	0.490
2	23:54:44	88.121%	0.921	0.915	87.031%	0.007	-0.007	0.482	0.474
3	23:55:26	90.265%	0.941	0.972	88.269%	-0.016	0.009	0.742	0.433
x		88.245%	0.980	0.975	86.355%	-0.008	0.001	0.527	0.466
σ		1.961%	0.086	0.062	2.327%	0.013	0.008	0.196	0.029
%RSD		2.222	8.748	6.322	2.695	162.300	616.000	37.100	6.251

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:54:01	84.863%	4.507	0.254	0.285	190.200	186.000	87.726%	89.171%
2	23:54:44	88.083%	4.168	0.296	0.241	187.500	181.500	91.370%	92.011%
3	23:55:26	90.845%	3.671	0.256	0.266	184.000	182.200	92.576%	93.529%
x		87.931%	4.115	0.269	0.264	187.200	183.300	90.557%	91.570%
σ		2.994%	0.420	0.024	0.022	3.139	2.437	2.525%	2.212%
%RSD		3.405	10.210	8.871	8.408	1.677	1.330	2.788	2.416

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:54:01	0.073	0.083	6.050	5.954	5.982	84.293%
2	23:54:44	0.117	0.103	6.030	5.931	6.015	87.785%
3	23:55:26	0.082	0.105	5.847	5.952	5.930	89.458%
x		0.091	0.097	5.976	5.946	5.975	87.179%
σ		0.023	0.012	0.112	0.013	0.042	2.635%
%RSD		25.200	12.710	1.873	0.219	0.710	3.023

CCV 526714 9/7/2012 12:00:32 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	00:01:15	84.501%	106.400	95.790	101.100	0.000	52270.000	45420.000	46800.000
2	00:01:58	86.346%	103.900	95.600	100.600	0.000	52070.000	45170.000	46560.000
3	00:02:41	85.821%	104.200	102.700	102.900	0.000	51910.000	44640.000	47040.000
x		85.556%	104.822%	98.019%	101.524%	0.000	104.173%	90.154%	93.602%
σ		0.951%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.111	1.275	4.112	1.194	0.000	0.343	0.887	0.508

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:01:15	490.800	5172.000	0.000	56620.000	52780.000	47640.000	88.597%	93.870
2	00:01:58	500.300	5222.000	0.000	57660.000	53330.000	48600.000	88.610%	95.330
3	00:02:41	499.800	5257.000	0.000	58210.000	54440.000	48580.000	88.775%	96.310
x		99.393%	104.341%	0.000	114.986%	107.036%	96.550%	88.661%	95.167%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.099%	n/a
%RSD		1.080	0.820	0.000	1.405	1.577	1.146	0.111	1.293

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:01:15	94.850	95.450	483.300	26040.000	24730.000	100.100	101.500	104.300
2	00:01:58	94.790	96.420	491.800	26360.000	25020.000	101.100	102.500	105.300
3	00:02:41	93.630	96.540	486.700	26380.000	25170.000	101.700	103.100	106.800
x		94.424%	96.137%	97.456%	105.026%	99.896%	100.952%	102.371%	105.481%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.726	0.625	0.880	0.721	0.894	0.801	0.759	1.202

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:01:15	104.500	106.300	110.000	104.200	94.300	100.500	0.000	99.780
2	00:01:58	106.700	109.400	110.100	104.700	93.880	102.700	0.000	100.100
3	00:02:41	105.700	110.500	106.600	101.500	95.670	97.460	0.000	98.950
x		105.642%	108.744%	108.924%	103.492%	94.617%	100.201%	0.000	99.616%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.061	2.002	1.809	1.669	0.990	2.611	0.000	0.607

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:01:15	87.823%	99.460	99.660	87.368%	102.900	102.100	103.300	104.300
2	00:01:58	90.683%	100.700	102.000	90.376%	102.100	102.600	102.000	102.200
3	00:02:41	91.473%	101.200	101.700	92.011%	101.600	100.700	99.680	102.100
x		89.993%	100.444%	101.140%	89.918%	102.215%	101.770%	101.636%	102.863%
σ		1.921%	n/a	n/a	2.355%	n/a	n/a	n/a	n/a
%RSD		2.134	0.894	1.278	2.620	0.667	0.974	1.791	1.244

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:01:15	87.961%	101.400	103.300	103.300	103.100	101.400	89.859%	90.615%
2	00:01:58	93.027%	98.860	102.900	101.400	102.100	99.010	92.706%	93.381%
3	00:02:41	93.485%	100.900	102.700	101.400	101.400	99.810	94.181%	95.368%
x		91.491%	100.390%	102.962%	102.031%	102.192%	100.072%	92.249%	93.121%
σ		3.066%	n/a	n/a	n/a	n/a	n/a	2.197%	2.387%
%RSD		3.351	1.335	0.336	1.073	0.855	1.213	2.381	2.563

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:01:15	102.400	102.200	103.100	103.800	103.200	87.009%
2	00:01:58	102.400	102.400	104.500	104.000	104.200	90.342%
3	00:02:41	101.700	102.700	104.000	104.000	103.700	91.849%
x		102.197%	102.450%	103.861%	103.919%	103.693%	89.733%
σ		n/a	n/a	n/a	n/a	n/a	2.477%
%RSD		0.391	0.245	0.659	0.142	0.459	2.760

CCB10 9/7/2012 12:07:47 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	00:08:30	96.803%	-0.022	-0.366	-1.372	0.000	16.050	8.185	8.509
2	00:09:13	96.299%	0.052	-1.187	-0.504	0.000	20.440	11.030	12.090
3	00:09:56	98.592%	-0.067	0.148	-0.925	0.000	35.970	19.050	19.390
x		97.231%	-0.012	-0.469	-0.934	0.000	24.160	12.750	13.330
σ		1.205%	0.060	0.673	0.434	0.000	10.460	5.633	5.548
%RSD		1.239	488.500	143.700	46.500	0.000	43.310	44.160	41.620

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:08:30	3.062	5.995	0.000	59.790	22.020	20.570	101.992%	0.091
2	00:09:13	2.845	7.726	0.000	58.430	23.880	16.190	104.627%	-0.034
3	00:09:56	3.389	8.558	0.000	65.720	69.520	35.050	105.157%	-0.059
x		3.099	7.426	0.000	61.320	38.470	23.940	103.925%	-0.001
σ		0.274	1.308	0.000	3.879	26.900	9.869	1.695%	0.080
%RSD		8.847	17.610	0.000	6.325	69.930	41.230	1.631	11570.000

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:08:30	-0.043	0.135	0.306	3.832	47.630	0.026	-0.099	0.221
2	00:09:13	0.460	0.009	0.340	-0.944	39.610	0.019	-0.088	0.152
3	00:09:56	-0.002	0.019	0.596	2.231	45.070	0.048	-0.132	0.221
x		0.139	0.054	0.414	1.706	44.100	0.031	-0.106	0.198
σ		0.279	0.070	0.159	2.431	4.092	0.015	0.023	0.040
%RSD		201.400	129.200	38.330	142.500	9.279	49.750	21.770	20.200

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:08:30	0.245	-0.397	-0.546	0.183	-6.334	0.700	0.000	0.104
2	00:09:13	0.216	-0.425	-0.494	0.386	-8.356	0.816	0.000	0.129
3	00:09:56	0.099	-0.530	-0.262	-0.093	-7.427	0.050	0.000	0.213
x		0.186	-0.451	-0.434	0.159	-7.372	0.522	0.000	0.148
σ		0.077	0.070	0.151	0.241	1.012	0.413	0.000	0.057
%RSD		41.420	15.590	34.850	151.800	13.730	79.090	0.000	38.670

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:08:30	101.979%	0.653	0.634	106.430%	-0.009	0.021	-0.140	-0.125
2	00:09:13	104.561%	0.613	0.615	110.862%	-0.004	0.003	-0.048	-0.012
3	00:09:56	106.432%	0.513	0.416	112.370%	0.009	0.025	0.014	0.032
x		104.324%	0.593	0.555	109.887%	-0.001	0.016	-0.058	-0.035
σ		2.236%	0.072	0.121	3.088%	0.009	0.012	0.077	0.081
%RSD		2.143	12.160	21.770	2.810	749.000	72.780	134.300	231.700

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:08:30	100.678%	0.206	0.061	0.065	0.109	0.118	101.496%	101.454%
2	00:09:13	105.038%	0.082	0.025	0.071	0.067	0.066	105.631%	105.876%
3	00:09:56	106.996%	0.027	0.058	0.069	0.123	0.097	106.526%	106.511%
x		104.238%	0.105	0.048	0.068	0.100	0.093	104.551%	104.614%
σ		3.234%	0.092	0.020	0.003	0.029	0.026	2.683%	2.755%
%RSD		3.103	87.050	41.020	4.588	29.050	28.180	2.566	2.633

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:08:30	-0.014	0.002	0.261	0.256	0.288	98.763%
2	00:09:13	-0.002	0.006	0.243	0.221	0.244	103.339%
3	00:09:56	0.021	0.021	0.268	0.290	0.308	104.877%
x		0.002	0.010	0.257	0.256	0.280	102.326%
σ		0.017	0.010	0.013	0.035	0.033	3.181%
%RSD		1054.000	98.810	5.016	13.490	11.600	3.108

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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	00:12:52	92.150%	0.029	1.631	0.551	0.000	16.790	0.454	1.112
2	00:13:35	93.835%	0.058	-0.444	-0.622	0.000	14.770	1.052	1.050
3	00:14:18	93.733%	-0.020	0.794	-0.187	0.000	16.050	1.536	0.237
x		93.239%	0.022	0.660	-0.086	0.000	15.870	1.014	0.800
σ		0.945%	0.039	1.044	0.593	0.000	1.025	0.542	0.488
%RSD		1.013	175.100	158.100	690.500	0.000	6.459	53.480	61.030

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:12:52	1.854	31.120	0.000	82.520	16.200	30.700	83.516%	1.456
2	00:13:35	1.204	33.720	0.000	82.680	5.985	31.340	83.921%	2.149
3	00:14:18	1.498	32.070	0.000	75.230	2.417	32.610	85.085%	2.089
x		1.519	32.300	0.000	80.140	8.202	31.550	84.174%	1.898
σ		0.326	1.317	0.000	4.258	7.156	0.973	0.815%	0.384
%RSD		21.440	4.076	0.000	5.313	87.240	3.085	0.968	20.220

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:12:52	4.849	4.965	0.488	14.960	41.600	-0.007	0.077	1.632
2	00:13:35	6.269	5.149	0.489	5.537	43.750	0.007	-0.022	1.552
3	00:14:18	6.402	4.940	0.555	2.676	31.170	-0.010	-0.086	1.516
x		5.840	5.018	0.511	7.724	38.840	-0.003	-0.010	1.567
σ		0.861	0.114	0.038	6.426	6.729	0.009	0.082	0.060
%RSD		14.730	2.274	7.449	83.200	17.330	254.100	794.700	3.806

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:12:52	2.163	4.518	4.795	1.814	3.264	2.412	0.000	0.044
2	00:13:35	1.614	4.213	4.631	1.302	-0.667	3.754	0.000	0.036
3	00:14:18	1.394	4.328	4.211	0.846	-0.779	4.265	0.000	0.045
x		1.724	4.353	4.546	1.321	0.606	3.477	0.000	0.042
σ		0.396	0.154	0.302	0.484	2.303	0.957	0.000	0.005
%RSD		22.980	3.548	6.635	36.680	380.100	27.510	0.000	12.460

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:12:52	83.810%	0.762	0.769	86.404%	-0.015	-0.001	-0.080	-0.049
2	00:13:35	86.324%	0.639	0.522	90.581%	-0.013	-0.005	-0.134	-0.126
3	00:14:18	86.307%	0.407	0.416	91.542%	-0.016	-0.011	0.129	0.183
x		85.480%	0.603	0.569	89.509%	-0.015	-0.006	-0.028	0.003
σ		1.446%	0.180	0.181	2.731%	0.001	0.005	0.139	0.161
%RSD		1.692	29.890	31.800	3.051	9.859	83.510	488.700	6258.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:12:52	86.563%	4.691	0.097	0.081	-0.021	0.000	87.688%	87.855%
2	00:13:35	90.266%	3.663	0.073	0.092	-0.022	0.014	91.114%	91.182%
3	00:14:18	91.780%	3.473	0.085	0.062	-0.022	-0.025	92.640%	92.910%
x		89.536%	3.943	0.085	0.078	-0.022	-0.003	90.481%	90.649%
σ		2.684%	0.655	0.012	0.015	0.001	0.019	2.536%	2.569%
%RSD		2.998	16.610	14.540	19.540	3.673	564.000	2.803	2.834

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:12:52	0.055	0.035	0.072	0.119	0.085	87.008%
2	00:13:35	0.009	0.009	0.024	0.106	0.057	90.450%
3	00:14:18	-0.006	-0.015	0.012	0.031	0.042	91.894%
x		0.019	0.010	0.036	0.085	0.061	89.784%
σ		0.032	0.025	0.032	0.048	0.022	2.510%
%RSD		164.000	258.600	87.630	55.990	35.570	2.796

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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	00:17:14	88.195%	0.329	24.820	25.450	0.000	122000.000	23620.000	27070.000
2	00:17:57	87.538%	0.414	21.640	26.080	0.000	121000.000	23370.000	27030.000
3	00:18:40	85.822%	0.305	22.330	29.190	0.000	122200.000	23360.000	27220.000
x		87.185%	0.349	22.930	26.910	0.000	121700.000	23450.000	27110.000
σ		1.225%	0.057	1.671	2.001	0.000	621.000	147.400	102.900
%RSD		1.405	16.390	7.288	7.437	0.000	0.510	0.629	0.380

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:17:14	3905.000	9805.000	0.000	2925.000	112900.000	112000.000	79.721%	62.150
2	00:17:57	3929.000	9699.000	0.000	2993.000	112600.000	110400.000	81.059%	60.840
3	00:18:40	3979.000	10070.000	0.000	2988.000	113600.000	110600.000	82.204%	59.320
x		3938.000	9858.000	0.000	2969.000	113000.000	111000.000	80.994%	60.770
σ		37.680	190.800	0.000	37.950	519.300	901.900	1.243%	1.417
%RSD		0.957	1.935	0.000	1.278	0.460	0.813	1.534	2.332

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:17:14	13.060	10.920	1395.000	8063.000	8338.000	4.232	9.105	6.183
2	00:17:57	11.370	10.710	1384.000	8009.000	8368.000	4.176	9.006	6.326
3	00:18:40	10.570	10.810	1378.000	7931.000	8267.000	4.229	8.797	5.994
x		11.670	10.810	1386.000	8001.000	8324.000	4.212	8.969	6.168
σ		1.269	0.107	8.921	66.400	51.800	0.031	0.157	0.167
%RSD		10.880	0.990	0.644	0.830	0.622	0.742	1.748	2.705

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:17:14	6.540	28.880	29.560	3.575	-0.583	2.646	0.000	620.900
2	00:17:57	6.383	31.320	31.430	2.652	-3.813	1.489	0.000	619.300
3	00:18:40	5.874	30.760	28.040	4.462	-3.931	2.897	0.000	609.900
x		6.266	30.320	29.680	3.563	-2.775	2.344	0.000	616.700
σ		0.348	1.275	1.698	0.905	1.900	0.751	0.000	5.968
%RSD		5.553	4.204	5.723	25.400	68.460	32.050	0.000	0.968

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:17:14	83.528%	1.292	1.304	82.404%	-0.011	0.003	0.044	0.081
2	00:17:57	86.149%	1.234	1.238	86.575%	-0.026	-0.004	-0.161	-0.080
3	00:18:40	87.880%	1.412	1.324	87.580%	-0.013	-0.002	0.038	-0.016
x		85.852%	1.313	1.289	85.520%	-0.017	-0.001	-0.026	-0.005
σ		2.191%	0.091	0.045	2.744%	0.008	0.004	0.117	0.081
%RSD		2.552	6.936	3.489	3.209	49.420	312.600	440.300	1550.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:17:14	83.963%	3.282	0.208	0.231	203.200	203.800	86.326%	87.463%
2	00:17:57	88.378%	3.342	0.208	0.197	199.500	196.200	91.043%	91.256%
3	00:18:40	88.675%	3.232	0.201	0.174	198.500	197.300	91.855%	92.641%
x		87.005%	3.285	0.206	0.200	200.400	199.100	89.741%	90.454%
σ		2.639%	0.055	0.004	0.029	2.465	4.080	2.985%	2.681%
%RSD		3.033	1.685	1.851	14.390	1.230	2.049	3.327	2.964

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:17:14	0.056	0.080	3.712	3.580	3.643	82.570%
2	00:17:57	0.077	0.063	3.453	3.757	3.500	86.283%
3	00:18:40	0.064	0.062	3.539	3.487	3.542	87.559%
x		0.065	0.068	3.568	3.608	3.562	85.471%
σ		0.010	0.010	0.132	0.137	0.074	2.592%
%RSD		15.890	14.990	3.696	3.808	2.068	3.032

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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	00:21:37	87.959%	0.739	7.932	7.503	0.000	78940.000	4858.000	5156.000
2	00:22:20	89.399%	0.467	5.924	8.121	0.000	78700.000	4763.000	5169.000
3	00:23:03	89.423%	0.676	7.595	8.163	0.000	78530.000	4736.000	5196.000
x		88.927%	0.628	7.150	7.929	0.000	78720.000	4786.000	5174.000
σ		0.839%	0.142	1.075	0.369	0.000	201.800	64.010	20.570
%RSD		0.943	22.670	15.040	4.656	0.000	0.256	1.338	0.398

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:21:37	8838.000	24670.000	0.000	2720.000	11650.000	10580.000	81.999%	117.500
2	00:22:20	8916.000	24730.000	0.000	2801.000	11940.000	10710.000	83.681%	115.300
3	00:23:03	8993.000	24960.000	0.000	2829.000	11760.000	10810.000	84.451%	116.700
x		8916.000	24780.000	0.000	2783.000	11780.000	10700.000	83.377%	116.500
σ		77.540	154.300	0.000	56.510	148.100	116.500	1.254%	1.143
%RSD		0.870	0.623	0.000	2.030	1.257	1.089	1.504	0.982

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:21:37	21.210	20.330	214.700	14920.000	13860.000	4.203	13.510	19.860
2	00:22:20	22.370	20.200	215.900	14880.000	14050.000	4.223	13.950	20.120
3	00:23:03	22.240	19.980	214.600	14950.000	14110.000	4.344	14.500	20.070
x		21.940	20.170	215.100	14920.000	14000.000	4.257	13.990	20.020
σ		0.636	0.174	0.686	34.330	129.700	0.076	0.494	0.140
%RSD		2.901	0.861	0.319	0.230	0.926	1.791	3.530	0.699

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:21:37	20.180	65.020	62.310	5.863	-1.916	3.775	0.000	72.190
2	00:22:20	20.060	65.060	62.360	6.993	-3.712	2.714	0.000	72.170
3	00:23:03	20.170	63.090	66.690	7.576	-5.998	2.893	0.000	72.430
x		20.140	64.390	63.790	6.811	-3.876	3.127	0.000	72.270
σ		0.067	1.129	2.513	0.871	2.046	0.568	0.000	0.145
%RSD		0.333	1.754	3.940	12.780	52.800	18.160	0.000	0.201

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:21:37	86.478%	1.023	0.896	84.845%	0.326	0.361	1.304	1.435
2	00:22:20	89.586%	1.132	0.973	88.558%	0.324	0.322	1.331	1.195
3	00:23:03	91.225%	0.995	0.963	90.349%	0.381	0.402	1.178	1.157
x		89.096%	1.050	0.944	87.917%	0.344	0.362	1.271	1.262
σ		2.411%	0.072	0.041	2.807%	0.032	0.040	0.082	0.151
%RSD		2.706	6.892	4.386	3.193	9.400	11.070	6.421	11.950

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:21:37	85.770%	2.797	0.413	0.446	91.780	94.080	87.693%	88.797%
2	00:22:20	89.886%	2.843	0.388	0.425	93.250	92.790	91.252%	93.184%
3	00:23:03	91.636%	2.929	0.431	0.423	92.830	90.700	93.294%	94.980%
x		89.097%	2.856	0.411	0.431	92.620	92.520	90.746%	92.320%
σ		3.011%	0.067	0.021	0.012	0.755	1.706	2.835%	3.180%
%RSD		3.380	2.352	5.221	2.866	0.815	1.843	3.124	3.445

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:21:37	0.101	0.108	5.975	5.787	5.810	86.067%
2	00:22:20	0.106	0.139	5.822	5.620	5.717	90.208%
3	00:23:03	0.123	0.114	5.817	5.708	5.698	91.625%
x		0.110	0.120	5.871	5.705	5.742	89.300%
σ		0.012	0.016	0.090	0.083	0.060	2.888%
%RSD		10.680	13.510	1.526	1.463	1.045	3.235

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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	00:25:57	89.543%	0.080	33.370	37.100	0.000	66230.000	18800.000	20000.000
2	00:26:40	88.111%	0.082	33.920	35.850	0.000	67370.000	18880.000	20180.000
3	00:27:23	88.769%	0.114	35.210	34.730	0.000	65620.000	18330.000	20070.000
x		88.808%	0.092	34.170	35.890	0.000	66400.000	18670.000	20080.000
σ		0.717%	0.019	0.947	1.186	0.000	892.300	300.400	93.440
%RSD		0.807	20.270	2.773	3.303	0.000	1.344	1.609	0.465

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:25:57	1037.000	6966.000	0.000	2062.000	118500.000	118200.000	80.591%	17.980
2	00:26:40	1045.000	7073.000	0.000	2110.000	119400.000	117000.000	82.813%	16.720
3	00:27:23	1041.000	7075.000	0.000	2127.000	119200.000	116500.000	83.314%	17.990
x		1041.000	7038.000	0.000	2100.000	119000.000	117200.000	82.240%	17.560
σ		4.041	62.160	0.000	33.940	438.700	894.800	1.449%	0.733
%RSD		0.388	0.883	0.000	1.616	0.368	0.763	1.762	4.174

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:25:57	6.214	7.984	4535.000	2327.000	3155.000	9.743	9.092	15.110
2	00:26:40	5.981	7.780	4483.000	2316.000	3079.000	9.203	8.465	15.110
3	00:27:23	4.489	8.016	4466.000	2311.000	3049.000	9.293	9.190	14.350
x		5.562	7.927	4495.000	2318.000	3095.000	9.413	8.916	14.860
σ		0.936	0.128	35.870	8.013	54.240	0.289	0.394	0.439
%RSD		16.830	1.618	0.798	0.346	1.753	3.072	4.414	2.953

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:25:57	15.130	20.770	20.540	1.902	-0.987	3.616	0.000	811.700
2	00:26:40	14.590	21.030	18.760	3.256	-4.078	2.426	0.000	806.600
3	00:27:23	14.910	20.890	19.380	4.322	-3.392	2.226	0.000	803.300
x		14.880	20.900	19.560	3.160	-2.819	2.756	0.000	807.200
σ		0.271	0.130	0.906	1.213	1.623	0.751	0.000	4.241
%RSD		1.819	0.623	4.633	38.380	57.580	27.270	0.000	0.525

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:25:57	83.228%	1.023	1.079	84.316%	-0.023	-0.004	1.711	1.681
2	00:26:40	85.867%	1.212	1.097	87.989%	0.001	-0.002	1.422	1.582
3	00:27:23	87.238%	1.157	1.094	89.983%	0.013	0.003	1.197	1.395
x		85.444%	1.131	1.090	87.429%	-0.003	-0.001	1.443	1.553
σ		2.038%	0.097	0.010	2.875%	0.019	0.003	0.257	0.145
%RSD		2.385	8.569	0.886	3.288	606.900	354.400	17.830	9.341

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:25:57	86.382%	2.343	0.184	0.168	419.600	413.200	88.260%	88.569%
2	00:26:40	90.079%	2.380	0.196	0.223	421.300	411.700	90.253%	92.560%
3	00:27:23	91.864%	2.425	0.241	0.189	404.900	403.500	94.092%	92.863%
x		89.442%	2.383	0.207	0.193	415.300	409.500	90.868%	91.331%
σ		2.796%	0.041	0.030	0.028	9.017	5.263	2.964%	2.397%
%RSD		3.126	1.730	14.720	14.270	2.171	1.285	3.262	2.624

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:25:57	0.000	0.000	1.880	1.912	1.897	84.979%
2	00:26:40	0.005	0.001	1.763	1.790	1.806	89.698%
3	00:27:23	0.015	0.011	1.806	1.662	1.750	91.020%
x		0.007	0.004	1.816	1.788	1.818	88.566%
σ		0.007	0.006	0.059	0.125	0.074	3.176%
%RSD		105.300	149.400	3.268	6.985	4.093	3.586

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:30:17	85.165%	3.655	56.500	63.710	0.000	88760.000	22590.000	28360.000
2	00:31:00	85.028%	3.407	60.220	63.590	0.000	88960.000	24630.000	27970.000
3	00:31:43	86.287%	3.756	57.980	64.950	0.000	87850.000	21600.000	28260.000
x		85.493%	3.606	58.230	64.080	0.000	88520.000	22940.000	28200.000
σ		0.691%	0.179	1.872	0.752	0.000	592.900	1543.000	204.200
%RSD		0.808	4.978	3.215	1.173	0.000	0.670	6.726	0.724

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:30:17	54760.000	75540.000	0.000	15610.000	76170.000	69140.000	86.352%	411.300
2	00:31:00	55550.000	76820.000	0.000	16150.000	78040.000	68250.000	86.557%	409.400
3	00:31:43	55350.000	77050.000	0.000	16120.000	77650.000	69830.000	87.457%	407.800
x		55220.000	76470.000	0.000	15960.000	77290.000	69080.000	86.789%	409.500
σ		411.200	813.100	0.000	303.600	987.300	791.400	0.587%	1.775
%RSD		0.745	1.063	0.000	1.902	1.277	1.146	0.677	0.433

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:30:17	87.440	118.300	724.600	105300.000	97130.000	47.760	127.000	133.300
2	00:31:00	86.100	117.400	733.000	107200.000	98380.000	49.240	129.900	135.900
3	00:31:43	87.660	117.500	729.600	106800.000	96520.000	48.720	129.500	135.200
x		87.070	117.700	729.100	106400.000	97340.000	48.580	128.800	134.800
σ		0.840	0.477	4.186	985.300	951.100	0.750	1.568	1.312
%RSD		0.965	0.406	0.574	0.926	0.977	1.543	1.218	0.973

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:30:17	131.300	278.300	281.400	8.712	-7.591	-0.566	0.000	501.500
2	00:31:00	136.900	291.700	279.000	12.220	-7.359	-0.503	0.000	499.800
3	00:31:43	136.200	285.300	284.600	11.390	-7.135	0.811	0.000	498.800
x		134.800	285.100	281.600	10.780	-7.362	-0.086	0.000	500.000
σ		3.093	6.704	2.808	1.835	0.228	0.778	0.000	1.371
%RSD		2.295	2.352	0.997	17.030	3.100	905.400	0.000	0.274

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:30:17	108.561%	4.122	4.669	84.130%	1.067	1.143	1.286	1.031
2	00:31:00	111.679%	4.592	4.766	86.975%	1.059	1.106	0.875	0.922
3	00:31:43	112.870%	4.491	4.985	88.353%	1.109	1.130	1.003	0.810
x		111.037%	4.402	4.806	86.486%	1.078	1.126	1.054	0.921
σ		2.225%	0.248	0.162	2.154%	0.027	0.019	0.211	0.110
%RSD		2.004	5.622	3.367	2.490	2.473	1.678	19.980	11.970

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:30:17	85.226%	5.362	0.492	0.521	373.500	367.400	90.166%	91.001%
2	00:31:00	89.270%	5.503	0.483	0.566	368.600	363.100	94.043%	95.233%
3	00:31:43	89.684%	5.507	0.452	0.574	370.300	366.500	94.853%	95.737%
x		88.060%	5.457	0.476	0.554	370.800	365.700	93.021%	93.990%
σ		2.463%	0.082	0.021	0.028	2.519	2.246	2.505%	2.601%
%RSD		2.797	1.507	4.386	5.116	0.679	0.614	2.693	2.767

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:30:17	0.552	0.573	45.890	45.480	45.610	85.334%
2	00:31:00	0.602	0.609	45.880	45.330	45.210	89.480%
3	00:31:43	0.580	0.577	46.160	44.940	45.440	90.994%
x		0.578	0.586	45.970	45.250	45.420	88.603%
σ		0.025	0.020	0.159	0.278	0.197	2.930%
%RSD		4.346	3.358	0.345	0.614	0.433	3.307

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:34:36	87.180%	0.018	19.890	19.120	0.000	111000.000	19710.000	21050.000
2	00:35:19	88.128%	-0.016	19.870	19.390	0.000	109800.000	19140.000	20980.000
3	00:36:03	88.722%	0.000	18.020	20.360	0.000	109900.000	19310.000	21140.000
x		88.010%	0.001	19.260	19.620	0.000	110200.000	19390.000	21060.000
σ		0.778%	0.017	1.076	0.656	0.000	670.500	290.400	80.740
%RSD		0.883	2043.000	5.585	3.345	0.000	0.608	1.498	0.384

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:34:36	70.740	5287.000	0.000	1527.000	84350.000	75440.000	80.608%	4.170
2	00:35:19	58.900	5350.000	0.000	1575.000	85150.000	75270.000	82.219%	4.260
3	00:36:03	54.980	5385.000	0.000	1585.000	86250.000	74340.000	82.760%	3.576
x		61.540	5341.000	0.000	1562.000	85250.000	75010.000	81.862%	4.002
σ		8.208	49.620	0.000	30.680	956.000	591.600	1.119%	0.372
%RSD		13.340	0.929	0.000	1.964	1.121	0.789	1.367	9.292

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:34:36	4.021	5.403	5488.000	167.300	778.700	2.022	3.526	2.983
2	00:35:19	6.222	5.517	5460.000	136.800	747.900	1.893	3.243	2.509
3	00:36:03	2.803	5.542	5476.000	130.400	725.400	1.943	3.500	2.301
x		4.348	5.487	5474.000	144.800	750.700	1.952	3.423	2.598
σ		1.733	0.074	14.020	19.730	26.730	0.065	0.156	0.350
%RSD		39.850	1.349	0.256	13.620	3.560	3.334	4.566	13.460

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:34:36	2.502	10.030	10.520	1.988	-2.454	6.258	0.000	475.300
2	00:35:19	2.226	10.310	11.280	1.869	-3.904	4.896	0.000	471.600
3	00:36:03	2.177	9.778	11.000	2.824	-4.797	2.157	0.000	470.400
x		2.301	10.040	10.930	2.227	-3.718	4.437	0.000	472.400
σ		0.175	0.264	0.384	0.520	1.183	2.089	0.000	2.583
%RSD		7.610	2.630	3.513	23.370	31.800	47.080	0.000	0.547

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:34:36	81.850%	0.402	0.407	84.378%	-0.015	-0.024	0.244	0.323
2	00:35:19	84.685%	0.306	0.326	87.874%	-0.013	-0.013	0.337	0.327
3	00:36:03	86.337%	0.235	0.254	90.008%	-0.029	-0.011	0.279	0.244
x		84.291%	0.314	0.329	87.420%	-0.019	-0.016	0.287	0.298
σ		2.269%	0.084	0.077	2.842%	0.009	0.007	0.047	0.047
%RSD		2.692	26.610	23.300	3.251	47.650	44.840	16.240	15.670

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:34:36	85.055%	2.255	0.048	0.075	60.570	60.360	87.340%	88.826%
2	00:35:19	90.122%	2.401	0.058	0.059	59.120	56.980	91.390%	92.225%
3	00:36:03	91.351%	2.190	0.035	0.062	59.200	59.830	93.251%	94.177%
x		88.843%	2.282	0.047	0.066	59.630	59.060	90.660%	91.743%
σ		3.337%	0.108	0.012	0.008	0.815	1.816	3.022%	2.708%
%RSD		3.756	4.736	25.260	12.950	1.367	3.076	3.333	2.952

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:34:36	-0.016	-0.018	0.212	0.209	0.200	86.467%
2	00:35:19	-0.032	-0.025	0.171	0.128	0.171	90.930%
3	00:36:03	-0.029	-0.020	0.094	0.118	0.123	92.683%
x		-0.025	-0.021	0.159	0.152	0.165	90.027%
σ		0.009	0.004	0.060	0.050	0.039	3.205%
%RSD		34.360	17.140	37.980	32.810	23.610	3.560

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:38:57	88.692%	-0.016	20.770	18.240	0.000	107100.000	18650.000	20320.000
2	00:39:40	90.692%	-0.018	18.060	19.800	0.000	106000.000	18550.000	20110.000
3	00:40:23	90.447%	0.030	17.090	19.970	0.000	104400.000	18250.000	20010.000
x		89.944%	-0.001	18.640	19.340	0.000	105800.000	18480.000	20140.000
σ		1.091%	0.027	1.904	0.952	0.000	1340.000	208.700	155.600
%RSD		1.212	2486.000	10.220	4.924	0.000	1.267	1.129	0.772

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:38:57	56.010	5094.000	0.000	1495.000	81280.000	72760.000	82.851%	3.130
2	00:39:40	57.570	5110.000	0.000	1521.000	80830.000	72710.000	84.275%	3.336
3	00:40:23	53.430	5157.000	0.000	1531.000	82420.000	72340.000	84.385%	3.126
x		55.670	5120.000	0.000	1516.000	81510.000	72600.000	83.837%	3.197
σ		2.092	32.810	0.000	18.420	818.500	231.500	0.856%	0.120
%RSD		3.758	0.641	0.000	1.215	1.004	0.319	1.021	3.749

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:38:57	6.101	5.901	5271.000	153.300	750.700	1.816	3.120	1.947
2	00:39:40	2.948	5.944	5196.000	150.600	748.800	1.738	3.525	2.128
3	00:40:23	2.746	5.660	5226.000	148.300	725.000	1.804	2.951	2.079
x		3.932	5.835	5231.000	150.700	741.500	1.786	3.199	2.051
σ		1.881	0.153	37.570	2.509	14.310	0.042	0.295	0.094
%RSD		47.860	2.627	0.718	1.665	1.930	2.370	9.228	4.559

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:38:57	1.928	6.646	6.306	1.335	-2.350	5.297	0.000	455.200
2	00:39:40	2.025	6.401	6.316	0.503	-3.375	4.322	0.000	456.200
3	00:40:23	1.833	6.395	7.227	1.537	-5.504	4.855	0.000	453.200
x		1.929	6.481	6.616	1.125	-3.743	4.825	0.000	454.900
σ		0.096	0.143	0.529	0.548	1.609	0.488	0.000	1.545
%RSD		4.963	2.214	7.997	48.690	42.970	10.120	0.000	0.340

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:38:57	84.487%	0.300	0.345	86.407%	-0.015	-0.016	0.196	0.230
2	00:39:40	86.146%	0.404	0.339	89.462%	-0.021	-0.019	0.157	0.239
3	00:40:23	86.932%	0.415	0.399	90.390%	-0.019	-0.019	0.117	0.242
x		85.855%	0.373	0.361	88.753%	-0.018	-0.018	0.156	0.237
σ		1.248%	0.063	0.033	2.084%	0.003	0.002	0.039	0.006
%RSD		1.454	16.980	9.131	2.348	16.480	10.320	25.170	2.610

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:38:57	88.291%	1.720	0.054	0.061	57.330	57.970	88.842%	89.072%
2	00:39:40	91.722%	1.758	0.082	0.044	56.640	56.560	93.100%	93.635%
3	00:40:23	92.945%	2.038	0.067	0.075	56.490	57.680	93.672%	94.883%
x		90.986%	1.839	0.068	0.060	56.820	57.400	91.872%	92.530%
σ		2.412%	0.174	0.014	0.015	0.452	0.742	2.639%	3.059%
%RSD		2.651	9.455	20.710	25.740	0.795	1.293	2.872	3.306

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:38:57	-0.039	-0.019	0.185	0.134	0.152	87.022%
2	00:39:40	-0.012	-0.018	0.109	0.125	0.124	91.044%
3	00:40:23	-0.024	-0.027	0.065	0.122	0.091	92.051%
x		-0.025	-0.021	0.120	0.127	0.122	90.039%
σ		0.014	0.005	0.060	0.006	0.031	2.661%
%RSD		54.620	23.190	50.480	4.889	25.130	2.955

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:43:17	87.436%	0.100	56.520	55.910	0.000	95570.000	10450.000	11120.000
2	00:44:00	89.596%	0.128	52.750	59.200	0.000	93620.000	10050.000	11030.000
3	00:44:43	88.917%	0.130	55.250	60.710	0.000	95360.000	10190.000	11140.000
x		88.650%	0.119	54.840	58.610	0.000	94850.000	10230.000	11100.000
σ		1.104%	0.017	1.914	2.451	0.000	1070.000	204.200	59.340
%RSD		1.246	13.870	3.491	4.182	0.000	1.129	1.996	0.535

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:43:17	1214.000	5829.000	0.000	4448.000	63560.000	56230.000	81.485%	20.230
2	00:44:00	1204.000	5811.000	0.000	4500.000	63040.000	56020.000	83.236%	20.030
3	00:44:43	1241.000	5918.000	0.000	4613.000	64780.000	56610.000	82.922%	20.740
x		1220.000	5852.000	0.000	4520.000	63790.000	56280.000	82.548%	20.330
σ		18.810	57.190	0.000	84.590	893.900	299.000	0.934%	0.368
%RSD		1.543	0.977	0.000	1.871	1.401	0.531	1.131	1.811

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:43:17	9.964	7.142	1233.000	1516.000	1947.000	0.960	1.694	3.702
2	00:44:00	8.707	6.899	1229.000	1521.000	1943.000	0.925	1.830	3.723
3	00:44:43	10.200	7.110	1246.000	1536.000	1955.000	1.082	1.821	3.652
x		9.624	7.050	1236.000	1525.000	1949.000	0.989	1.782	3.693
σ		0.803	0.132	8.888	10.100	6.053	0.083	0.076	0.036
%RSD		8.344	1.877	0.719	0.662	0.311	8.343	4.280	0.988

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:43:17	4.001	13.440	12.950	3.657	0.172	4.822	0.000	954.500
2	00:44:00	3.561	13.470	12.460	4.177	-4.308	3.622	0.000	950.300
3	00:44:43	3.776	13.690	14.350	4.458	-3.668	2.588	0.000	946.000
x		3.779	13.530	13.250	4.097	-2.601	3.677	0.000	950.300
σ		0.220	0.137	0.979	0.406	2.423	1.118	0.000	4.254
%RSD		5.831	1.011	7.388	9.919	93.130	30.400	0.000	0.448

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:43:17	83.058%	0.843	1.041	85.893%	-0.001	0.007	-0.017	-0.004
2	00:44:00	86.108%	0.875	1.012	89.193%	-0.019	-0.011	-0.134	-0.057
3	00:44:43	87.017%	0.942	0.898	90.906%	-0.021	0.003	-0.088	-0.037
x		85.394%	0.886	0.984	88.664%	-0.014	-0.000	-0.080	-0.033
σ		2.074%	0.050	0.075	2.548%	0.011	0.009	0.059	0.027
%RSD		2.428	5.689	7.672	2.874	80.180	3595.000	73.790	81.030

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:43:17	87.615%	1.494	0.217	0.337	317.000	314.200	88.204%	89.599%
2	00:44:00	91.088%	1.643	0.222	0.270	315.700	312.400	92.072%	93.253%
3	00:44:43	92.817%	1.507	0.236	0.222	314.000	311.200	93.949%	94.429%
x		90.507%	1.548	0.225	0.276	315.600	312.600	91.408%	92.427%
σ		2.649%	0.083	0.010	0.058	1.500	1.513	2.929%	2.519%
%RSD		2.927	5.331	4.613	20.880	0.475	0.484	3.205	2.725

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:43:17	-0.026	-0.011	0.915	0.963	0.979	86.925%
2	00:44:00	-0.032	-0.022	1.008	1.064	1.026	91.368%
3	00:44:43	-0.033	-0.016	0.867	0.910	0.942	92.970%
x		-0.031	-0.017	0.930	0.979	0.982	90.421%
σ		0.003	0.006	0.072	0.078	0.042	3.132%
%RSD		11.460	35.380	7.724	7.962	4.297	3.464

180-13537-J-6-A 9/7/2012 12:46:55 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	00:47:38	87.983%	0.378	12.020	13.560	0.000	148200.000	23290.000	26790.000
2	00:48:21	87.350%	0.480	11.720	13.890	0.000	149400.000	23510.000	27050.000
3	00:49:04	86.519%	0.718	12.110	13.820	0.000	147400.000	23510.000	27060.000
x		87.284%	0.525	11.950	13.760	0.000	148300.000	23440.000	26970.000
σ		0.734%	0.174	0.207	0.174	0.000	1036.000	129.700	152.000
%RSD		0.841	33.210	1.735	1.264	0.000	0.698	0.553	0.564

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:47:38	8813.000	22130.000	0.000	3715.000	73440.000	66300.000	81.879%	131.100
2	00:48:21	8851.000	22280.000	0.000	3798.000	75490.000	65900.000	82.058%	129.700
3	00:49:04	8869.000	22320.000	0.000	3848.000	74930.000	65680.000	82.160%	127.900
x		8844.000	22240.000	0.000	3787.000	74620.000	65960.000	82.032%	129.500
σ		28.170	100.900	0.000	66.960	1064.000	311.900	0.142%	1.600
%RSD		0.319	0.454	0.000	1.768	1.425	0.473	0.174	1.235

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:47:38	19.290	21.830	283.400	13430.000	13080.000	5.075	14.010	14.220
2	00:48:21	18.780	21.100	284.400	13430.000	13170.000	5.029	14.350	13.810
3	00:49:04	21.690	21.320	286.000	13420.000	13090.000	5.160	14.550	13.620
x		19.920	21.420	284.600	13430.000	13120.000	5.088	14.310	13.880
σ		1.555	0.372	1.301	7.006	48.990	0.066	0.272	0.310
%RSD		7.808	1.738	0.457	0.052	0.374	1.307	1.901	2.234

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:47:38	13.920	39.400	37.800	3.865	-2.767	2.019	0.000	469.400
2	00:48:21	12.600	38.670	40.390	2.218	-5.508	2.677	0.000	466.100
3	00:49:04	13.820	39.580	40.310	5.702	-6.046	-2.890	0.000	460.900
x		13.450	39.220	39.500	3.928	-4.774	0.602	0.000	465.400
σ		0.738	0.486	1.475	1.743	1.758	3.042	0.000	4.250
%RSD		5.485	1.239	3.735	44.370	36.840	505.500	0.000	0.913

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:47:38	86.861%	1.242	1.230	84.370%	0.051	0.031	0.089	0.060
2	00:48:21	88.754%	1.208	1.243	87.332%	0.037	0.043	0.080	0.130
3	00:49:04	89.900%	1.215	1.268	88.667%	0.025	0.047	-0.110	-0.044
x		88.505%	1.222	1.247	86.790%	0.037	0.040	0.019	0.048
σ		1.535%	0.018	0.019	2.199%	0.013	0.008	0.112	0.088
%RSD		1.734	1.467	1.562	2.534	34.640	20.960	582.700	181.300

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:47:38	86.308%	2.107	0.288	0.239	183.300	180.300	89.078%	89.946%
2	00:48:21	89.846%	1.897	0.298	0.286	176.400	175.900	93.215%	93.045%
3	00:49:04	90.982%	1.963	0.281	0.319	177.900	178.300	93.056%	94.563%
x		89.045%	1.989	0.289	0.282	179.200	178.200	91.783%	92.518%
σ		2.438%	0.107	0.009	0.040	3.613	2.193	2.344%	2.353%
%RSD		2.738	5.400	3.051	14.290	2.016	1.231	2.554	2.544

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:47:38	0.128	0.098	5.710	5.668	5.823	85.285%
2	00:48:21	0.111	0.139	5.609	5.343	5.623	89.467%
3	00:49:04	0.120	0.112	5.722	5.630	5.756	90.427%
x		0.120	0.116	5.680	5.547	5.734	88.393%
σ		0.008	0.021	0.062	0.177	0.102	2.734%
%RSD		7.054	17.790	1.092	3.199	1.773	3.093

CRI 520760 9/7/2012 12:59:13 AM QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:59:56	102.296%	0.702	3.705	3.780	0.000	101.800	81.440	84.240
2	01:00:39	102.594%	0.867	3.686	3.916	0.000	119.300	84.000	86.630
3	01:01:22	101.434%	0.736	5.452	4.107	0.000	144.800	84.550	89.210
x		102.108%	76.804%	85.620%	78.693%	0.000	121.978%	83.330%	86.692%
σ		0.603%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.590	11.360	23.690	4.175	0.000	17.760	1.990	2.863

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:59:56	29.480	459.500	0.000	124.900	115.500	106.400	107.126%	4.345
2	01:00:39	30.640	472.000	0.000	134.300	187.000	117.900	107.087%	4.316
3	01:01:22	31.210	474.300	0.000	135.400	146.900	122.300	107.452%	4.231
x		101.481%	93.719%	0.000	131.520%	149.803%	115.508%	107.222%	85.949%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.200%	n/a
%RSD		2.896	1.704	0.000	4.398	23.920	7.099	0.187	1.376

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:59:56	1.043	1.753	4.578	48.890	72.170	0.499	0.662	2.111
2	01:00:39	0.489	1.710	4.833	50.070	66.090	0.494	0.624	2.101
3	01:01:22	1.212	1.800	5.090	52.500	65.900	0.462	0.805	2.028
x		91.485%	87.717%	966.732%	100.970%	136.108%	97.006%	69.696%	104.001%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		41.370	2.581	5.294	3.644	5.245	4.172	13.660	2.179

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:59:56	2.349	5.100	5.652	1.424	-2.469	5.324	0.000	4.937
2	01:00:39	2.548	5.556	4.835	0.619	-3.178	4.672	0.000	4.835
3	01:01:22	2.197	5.810	5.165	0.743	-4.179	5.200	0.000	4.997
x		118.242%	109.774%	104.341%	92.853%	-65.507%	101.303%	0.000	98.460%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		7.436	6.559	7.877	46.690	26.240	6.840	0.000	1.665

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:59:56	97.735%	4.261	4.394	103.052%	0.986	0.937	1.049	0.988
2	01:00:39	100.952%	4.490	4.503	106.786%	0.785	0.964	0.717	0.950
3	01:01:22	101.641%	4.645	4.557	108.016%	0.922	0.944	0.858	0.972
x		100.110%	89.300%	89.695%	105.951%	89.795%	94.814%	87.472%	97.011%
σ		2.085%	n/a	n/a	2.585%	n/a	n/a	n/a	n/a
%RSD		2.082	4.329	1.851	2.440	11.410	1.497	19.070	1.984

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:59:56	101.552%	4.663	1.887	1.981	9.856	9.429	92.402%	91.716%
2	01:00:39	105.634%	4.823	2.048	1.913	9.655	9.894	95.372%	95.734%
3	01:01:22	106.813%	4.865	2.057	1.977	9.486	9.374	96.722%	96.099%
x		104.667%	95.678%	99.863%	97.849%	96.655%	95.656%	94.832%	94.516%
σ		2.761%	n/a	n/a	n/a	n/a	n/a	2.210%	2.432%
%RSD		2.638	2.224	4.790	1.958	1.917	2.990	2.331	2.573

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:59:56	0.842	0.871	1.144	1.176	1.146	103.560%
2	01:00:39	0.904	0.893	1.068	1.190	1.159	107.385%
3	01:01:22	0.840	0.871	1.312	1.218	1.237	108.865%
x		86.200%	87.837%	117.486%	119.448%	118.079%	106.603%
σ		n/a	n/a	n/a	n/a	n/a	2.738%
%RSD		4.227	1.485	10.650	1.786	4.194	2.568

CCV 526714 9/7/2012 1:03:32 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	01:04:15	84.488%	107.200	97.340	98.820	0.000	52590.000	46130.000	46890.000
2	01:04:58	85.789%	104.700	96.960	102.900	0.000	52440.000	45400.000	46920.000
3	01:05:41	83.648%	106.700	100.600	102.500	0.000	52730.000	45630.000	47670.000
x		84.642%	106.206%	98.293%	101.410%	0.000	105.172%	91.439%	94.322%
σ		1.079%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.275	1.259	2.017	2.221	0.000	0.281	0.815	0.936

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:04:15	492.900	5160.000	0.000	56830.000	52570.000	48440.000	89.381%	94.870
2	01:04:58	498.600	5220.000	0.000	57920.000	53180.000	48670.000	89.942%	96.080
3	01:05:41	499.400	5309.000	0.000	58460.000	54220.000	48930.000	90.698%	96.380
x		99.399%	104.593%	0.000	115.475%	106.643%	97.355%	90.007%	95.776%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.661%	n/a
%RSD		0.711	1.440	0.000	1.446	1.563	0.508	0.734	0.837

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:04:15	95.520	95.630	485.100	26120.000	24780.000	100.700	102.300	102.600
2	01:04:58	94.150	96.890	485.100	26200.000	24960.000	100.200	100.500	103.800
3	01:05:41	93.990	96.480	485.100	26150.000	24910.000	101.500	103.200	104.700
x		94.553%	96.333%	97.023%	104.629%	99.535%	100.800%	102.006%	103.680%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.891	0.668	0.003	0.146	0.369	0.671	1.375	0.986

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:04:15	105.700	105.600	103.400	102.800	97.120	103.300	0.000	100.600
2	01:04:58	105.000	107.200	109.600	103.700	99.130	104.300	0.000	99.390
3	01:05:41	107.000	106.800	109.300	106.700	97.900	106.500	0.000	99.960
x		105.903%	106.556%	107.393%	104.399%	98.047%	104.661%	0.000	99.972%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.930	0.774	3.260	1.954	1.035	1.563	0.000	0.587

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:04:15	88.968%	97.920	99.810	86.485%	103.900	104.100	103.000	103.700
2	01:04:58	91.343%	102.600	103.700	89.263%	104.700	103.700	102.800	104.100
3	01:05:41	92.130%	102.100	103.300	90.904%	105.000	105.200	106.400	105.500
x		90.813%	100.864%	102.275%	88.884%	104.515%	104.296%	104.030%	104.432%
σ		1.646%	n/a	n/a	2.233%	n/a	n/a	n/a	n/a
%RSD		1.813	2.542	2.094	2.513	0.517	0.748	1.961	0.946

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:04:15	88.489%	101.600	104.300	103.400	104.900	103.600	89.719%	90.090%
2	01:04:58	91.936%	103.500	104.000	103.900	103.100	103.200	92.512%	93.481%
3	01:05:41	91.705%	103.300	105.100	104.300	104.400	102.500	93.660%	95.173%
x		90.710%	102.842%	104.468%	103.887%	104.141%	103.079%	91.964%	92.915%
σ		1.927%	n/a	n/a	n/a	n/a	n/a	2.027%	2.589%
%RSD		2.124	1.025	0.532	0.425	0.872	0.552	2.204	2.786

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:04:15	103.300	103.800	104.800	104.300	104.200	87.283%
2	01:04:58	104.000	104.100	105.600	105.300	105.800	90.395%
3	01:05:41	103.300	104.000	106.100	105.000	105.200	92.510%
x		103.531%	103.960%	105.517%	104.859%	105.085%	90.063%
σ		n/a	n/a	n/a	n/a	n/a	2.629%
%RSD		0.352	0.167	0.644	0.494	0.787	2.919

CCB11 9/7/2012 1:10:48 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	01:11:31	97.426%	0.007	-0.976	-2.032	0.000	19.730	10.180	10.950
2	01:12:14	97.365%	0.007	-0.980	-2.230	0.000	34.690	18.580	18.840
3	01:12:57	101.092%	0.117	-1.190	-2.402	0.000	33.100	17.900	19.280
x		98.628%	0.043	-1.048	-2.221	0.000	29.170	15.550	16.360
σ		2.134%	0.064	0.122	0.185	0.000	8.214	4.668	4.689
%RSD		2.164	146.300	11.650	8.335	0.000	28.150	30.010	28.670

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:11:31	2.646	6.664	0.000	55.120	35.430	14.520	103.009%	0.017
2	01:12:14	3.783	6.620	0.000	63.540	29.100	23.880	105.099%	-0.058
3	01:12:57	3.501	8.726	0.000	60.820	52.650	28.740	106.138%	0.056
x		3.310	7.337	0.000	59.830	39.060	22.380	104.749%	0.005
σ		0.592	1.204	0.000	4.298	12.190	7.228	1.593%	0.058
%RSD		17.890	16.400	0.000	7.185	31.200	32.300	1.521	1201.000

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:11:31	0.321	0.077	0.310	12.540	53.370	0.024	-0.133	0.159
2	01:12:14	0.221	-0.009	0.405	8.945	48.670	0.032	-0.129	0.195
3	01:12:57	-0.122	0.066	0.554	4.731	43.610	0.046	-0.148	0.212
x		0.140	0.045	0.423	8.738	48.550	0.034	-0.137	0.189
σ		0.232	0.047	0.123	3.908	4.883	0.011	0.010	0.027
%RSD		165.900	103.800	29.110	44.730	10.060	33.240	7.466	14.140

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:11:31	0.076	-0.532	-0.243	0.114	-3.673	0.626	0.000	0.084
2	01:12:14	0.201	-0.531	-0.221	0.218	-5.510	1.584	0.000	0.172
3	01:12:57	0.201	-0.437	-0.287	-0.215	-6.456	-2.232	0.000	0.192
x		0.160	-0.500	-0.250	0.039	-5.213	-0.007	0.000	0.149
σ		0.072	0.055	0.034	0.226	1.415	1.986	0.000	0.058
%RSD		45.120	10.900	13.540	580.700	27.150	27270.000	0.000	38.580

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:11:31	98.499%	0.674	0.665	109.135%	0.008	0.004	0.077	0.050
2	01:12:14	101.498%	0.598	0.481	113.430%	0.009	0.025	-0.028	-0.070
3	01:12:57	103.017%	0.413	0.448	115.867%	0.021	0.035	-0.041	0.013
x		101.005%	0.562	0.531	112.811%	0.013	0.021	0.003	-0.002
σ		2.299%	0.134	0.117	3.408%	0.007	0.016	0.064	0.061
%RSD		2.276	23.820	22.010	3.021	56.370	76.440	2548.000	2659.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:11:31	101.775%	0.210	0.044	0.057	0.023	0.062	103.657%	103.924%
2	01:12:14	107.124%	0.068	0.053	0.066	0.111	0.179	107.913%	107.520%
3	01:12:57	107.146%	-0.030	0.068	0.062	0.098	0.101	110.169%	110.391%
x		105.348%	0.083	0.055	0.062	0.077	0.114	107.246%	107.278%
σ		3.095%	0.121	0.012	0.004	0.048	0.060	3.307%	3.240%
%RSD		2.938	146.000	21.190	7.042	61.770	52.690	3.083	3.021

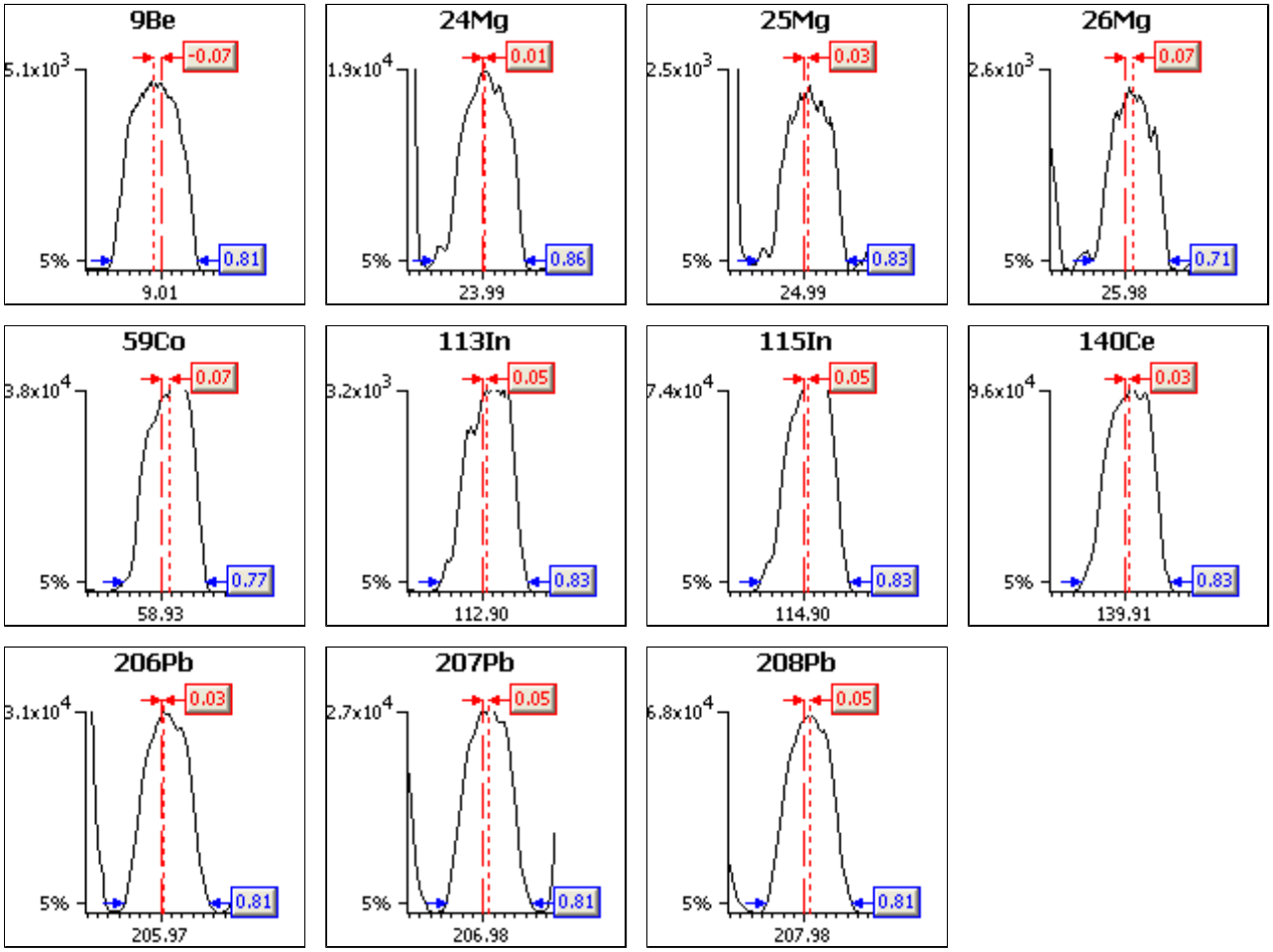
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:11:31	-0.019	-0.001	0.300	0.295	0.306	101.377%
2	01:12:14	0.009	-0.000	0.246	0.450	0.326	105.763%
3	01:12:57	-0.001	0.007	0.294	0.319	0.311	107.737%
x		-0.003	0.002	0.280	0.355	0.314	104.959%
σ		0.014	0.005	0.030	0.083	0.010	3.255%
%RSD		417.200	209.600	10.530	23.490	3.293	3.102

Performance Report

Sample details
Sample name : ITUNE
Acquired at : 9/6/2012 1:29:21 PM
Report name : EPA ILMO5.2/6020A 2.1 [8/5/2011 12:59:56 PM]

Mass Calibration verification

Acquisition parameters
Sweeps : 25
Dwell : 2.0 mSecs
Point spacing : 0.02 amu
Peak width measured at 5% of the peak maximum



Analyte	Limits			Results	
	Max. width	Min. width	Max. error	Peak width	Peak error
9Be	0.90	0.45	0.10	0.81	-0.07
24Mg	0.90	0.45	0.10	0.86	0.01
25Mg	0.90	0.45	0.10	0.83	0.03
26Mg	0.90	0.45	0.10	0.71	0.07
59Co	0.90	0.45	0.10	0.77	0.07
113In	0.90	0.45	0.10	0.83	0.05
115In	0.90	0.45	0.10	0.83	0.05
140Ce	0.90	0.45	0.10	0.83	0.03
206Pb	0.90	0.45	0.10	0.81	0.03
207Pb	0.90	0.45	0.10	0.81	0.05
208Pb	0.90	0.45	0.10	0.81	0.05

Sample details
Sample name : ITUNE
Acquired at : 9/6/2012 1:29:21 PM
Report name : EPA ILMO5.2/6020A 2.1 [8/5/2011 12:59:56 PM]

Tune conditions

Major	
Extraction	-173
Lens 1	3.8
Focus	23.7
D1	-30.6
Pole Bias	-1.0
Hexapole Bias	-4.0
Nebuliser	0.96
Sampling Depth	150

Minor	
Lens 2	-22.0
Lens 3	-200.0
Forward power	1302
Horizontal	132
Vertical	380
D2	-141
DA	-58.0
Cool	13.0
Auxiliary	0.70

Global	
Standard resolution	n/a
High resolution	n/a
Analogue Detector	n/a
PC Detector	n/a

Add. Gases	
He/H2	0.00
He/NH3	0.00

Sensitivity and stability results

Acquisition parameters
Sweeps : 150

Run	Time	5Bkg	9Be	24Mg	25Mg	26Mg	56Ar O	59Co	137Ba++
Dwell (mSecs)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Limits	%RSD	-	5.0%	5.0%	5.0%	5.0%	-	5.0%	-
	Countrate	-	>500	>500	>500	>500	-	>10000	-
1	1:30:09 PM	1	5037	26397	2239	2317	165465	37769	1
2	1:31:35 PM	1	5151	25767	2306	2254	163456	38013	0
3	1:33:00 PM	2	5281	26359	2402	2286	164795	38919	1
4	1:34:25 PM	1	5165	27483	2364	2401	167140	38712	1
5	1:35:50 PM	1	5178	27375	2436	2433	168216	38815	1
x		1	5163	26676	2349	2338	165814	38445	1
σ		0.24	86.66	732.48	78.05	76.01	1887.24	518.69	0.56
%RSD		18.561	1.679	2.746	3.322	3.251	1.138	1.349	69.722

Run	Time	138Ba++	101Bkg	113In	115In	138Ba	140Ce	156Ce O	206Pb
Dwell (mSecs)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Limits	%RSD	-	-	5.0%	5.0%	-	5.0%	-	5.0%
	Countrate	-	-	>200	>5000	-	>10000	-	>500
1	1:30:09 PM	6	0	3170	76450	385	95542	679	31110
2	1:31:35 PM	7	0	3228	77553	334	98087	681	31540
3	1:33:00 PM	7	0	3223	78694	338	99005	686	32013
4	1:34:25 PM	7	0	3257	77761	396	98500	702	32025
5	1:35:50 PM	8	0	3316	78188	439	99183	687	32111
x		7	0	3239	77729	378	98063	687	31760
σ		0.88	0.10	53.34	838.07	43.57	1473.53	8.71	426.60
%RSD		12.460	42.127	1.647	1.078	11.514	1.503	1.267	1.343

Run	Time	207Pb	208Pb	220Bkg
Dwell (mSecs)		0.0	0.0	0.0
Limits	%RSD	5.0%	5.0%	-
	Countrate	>500	>500	<2500
1	1:30:09 PM	27638	67105	0
2	1:31:35 PM	28105	68551	0
3	1:33:00 PM	28692	69300	0
4	1:34:25 PM	28422	69477	0
5	1:35:50 PM	28436	68735	0
x		28259	68634	0
σ		404.80	936.83	0.13
%RSD		1.432	1.365	100.000

Ratio results

Run	Time	156Ce O/140Ce
Ratio limits		<0.0500
1	1:30:09 PM	0
2	1:31:35 PM	0

3	1:33:00 PM	0
4	1:34:25 PM	0
5	1:35:50 PM	0
x		0.0070
σ		0.00
%RSD		1.4219

Result : The performance report passed.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Batch Number: 45654 Batch Start Date: 08/20/12 17:53 Batch Analyst: Payton, Sean

Batch Method: 1311 Batch End Date: 08/20/12 18:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialRoomTemp	FinalRoomTemp	FiltCompDate	FiltCompTime		
180-13537-A-7	IDW-1	1311, 3010A, 6020A	P	23 Celsius	23 Celsius	08/20/2012	1830		

Batch Notes	
First End time	1830
First Start time	1800
ID number of the thermometer	TCLP#1
Uncorrected Final Room Temperature	23 Celsius
Uncorrected Initial Room Temperature	23 Celsius

Basis	Basis Description
P	TCLP

METALS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Batch Number: 45890 Batch Start Date: 08/22/12 10:00 Batch Analyst: Haluck, Caitlyn

Batch Method: 3010A Batch End Date: 08/22/12 14:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MPHOSSPIKE 00006	MTAPITTICPMS 00009	MTAPITTMSA 00008	MTAPITTMSC 00013
MB 180-45890/1		3010A, 6020A		50 mL	50 mL				
LCS 180-45890/2		3010A, 6020A		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	0.5 mL
180-13635-D-1-A MS		3010A, 6020A	P	5 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	0.5 mL
180-13635-D-1-B MSD		3010A, 6020A	P	5 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	0.5 mL
180-13537-A-7-A	IDW-1	3010A, 6020A	P	5 mL	50 mL				

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
MB 180-45890/1		3010A, 6020A							
LCS 180-45890/2		3010A, 6020A							
180-13635-D-1-A MS		3010A, 6020A	P	DILUTED 5-50ML					
180-13635-D-1-B MSD		3010A, 6020A	P	DILUTED 5-50ML					
180-13537-A-7-A	IDW-1	3010A, 6020A	P	DILUTED 5-50ML					

Batch Notes	
Batch Comment	METALS D1
First End time	1400
Lot # of hydrochloric acid	5ml 521385
Lot # of Nitric Acid	3ml 519368
Hot Block ID number	#1
Oven, Bath or Block Temperature 1	95 Degrees C
Pipette ID	03F95602
First Start time	1000
ID number of the thermometer	IP02 (0.0)
Digestion Tube/Cup Lot #	1204125
Uncorrected Temperature	95 Celsius

Basis	Basis Description
P	TCLP

METALS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Batch Number: 45944 Batch Start Date: 08/22/12 15:00 Batch Analyst: Shook, Caitlin N

Batch Method: 3010A Batch End Date: 08/22/12 19:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAPITTICPMS 00009	MTAPITTMSA 00008	MTAPITTMSC 00013	
MB 180-45944/1		3010A, 6020A		50 mL	50 mL				
LCS 180-45944/2		3010A, 6020A		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
180-13503-I-2 MS		3010A, 6020A	T	50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
180-13503-I-2 MSD		3010A, 6020A	T	50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
180-13537-K-2	MW-101	3010A, 6020A	T	50 mL	50 mL				
180-13537-I-3	MW-107	3010A, 6020A	T	50 mL	50 mL				
180-13537-K-4	MW-113	3010A, 6020A	T	50 mL	50 mL				
180-13537-J-5	MW-110	3010A, 6020A	T	50 mL	50 mL				
180-13537-J-6	MW-102	3010A, 6020A	T	50 mL	50 mL				

Batch Notes	
Batch Comment	METALS D1
First End time	19:00
Lot # of hydrochloric acid	5.0mL 521385
Lot # of Nitric Acid	3.0mL 519368
Hot Block ID number	#1
Oven, Bath or Block Temperature 1	96 Degrees C
Pipette ID	03F95602
Person who witnessed spiking	CS
First Start time	15:00
ID number of the thermometer	IP02 (0.0)
Digestion Tube/Cup Lot #	1204125
Uncorrected Temperature	96 Degrees C
Vendor of Reagent used	Macron

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Pittsburgh Job No.: 180-13537-1

SDG No.:

Batch Number: 45945 Batch Start Date: 08/22/12 15:00 Batch Analyst: Shook, Caitlin N

Batch Method: 3005A Batch End Date: 08/22/12 19:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAPITTICPMS 00009	MTAPITTMSA 00008	MTAPITTMSC 00013	
MB 180-45945/1		3005A, 6020A		50 mL	50 mL				
LCS 180-45945/2		3005A, 6020A		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
180-13503-J-2 MS		3005A, 6020A	D	50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
180-13503-J-2 MSD		3005A, 6020A	D	50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
180-13537-J-2	MW-101	3005A, 6020A	D	50 mL	50 mL				
180-13537-K-3	MW-107	3005A, 6020A	D	50 mL	50 mL				
180-13537-I-4	MW-113	3005A, 6020A	D	50 mL	50 mL				
180-13537-I-5	MW-110	3005A, 6020A	D	50 mL	50 mL				
180-13537-K-6	MW-102	3005A, 6020A	D	50 mL	50 mL				

Batch Notes	
Batch Comment	METALS D1
First End time	19:00
Lot # of hydrochloric acid	2.5mL 515610
Lot # of Nitric Acid	1.0mL 519368
Hot Block ID number	#1
Oven, Bath or Block Temperature 1	96
Pipette ID	03F95602
Person who witnessed spiking	CS
First Start time	15:00
ID number of the thermometer	IP02 (0.0)
Digestion Tube/Cup Lot #	1204125
Uncorrected Temperature	96 Celsius

Basis	Basis Description
D	Dissolved

Shipping and Receiving Documents

FedEx Express **NEW** Package US Airbill

FedEx Tracking Number 8011 1698 8356

[redacted]

Form ID No. 0200

Recipient's Copy

Packages up to 150 lbs. For packages over 150 lbs., use the new FedEx Express Freight US Airbill.

1 From

Date

Sender's Name Bart Sattler Phone 610 608 5907

Company SAIC

Address 105 Northview Dr. Dept./Floor/Suite/Room

City Beaver State PA ZIP 15009

2 Your Internal Billing Reference 4501020069 / 2000.

3 To

Recipient's Name Sample Custodian Phone 412 963 7058

Company Test America

Address 301 Alpha Dr. 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 Business Days

☐ FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.

☐ FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☒ Other

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.

☐ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. 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, UN 1845 ____ x ____ kg ☐ Cargo Aircraft Only

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 ☐ Credit Card ☐ Cash/Check ☐ Obtain recip. Acct. No.

[redacted]

Total Packages ____ Total Weight ____ lbs. Credit Card Auth. ____

644

†Our liability is limited to US$100 unless you declare a higher value. See the current FedEx Service Guide for details.

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301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

180-13537

3.4, 1.2, 1.7, 2.6, 4.3, 2.3, 3.2, 3.7 #12

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: BH + BAS	Lab PM: Colussy, Jill L	Carrier Tracking No(s):	COC No: 180-6350-1902.10
Client Contact: Accounts Payable	Phone: 610 608 5907	E-Mail: jill.colussy@testamericainc.com		Page: Page 10 of 10
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)	6020A - (MOD) As only	8260B_LL - (MOD) TCL 4.2 GC/MS Volatiles List LL	6020A, 7470A	8270C_LL - (MOD) TCL 4.2 GC/MS Semivolatiles LL	8081A_LL, 8082_LL, 8151A	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	A	D	N	N		
Trip Blank	8/16/12	—	G	Water				X					
MW-101		0815	G,C	W			X	X	X	X	X		—
MW-107		0900		W			X	X	X	X	X		
MW-113		0930		W			X	X	X	X	X		
MW-110		1140		W			X	X	X	X	X		
MW-102		1200		W			X	X	X	X	X		
IDW-1	8/16/12	1330	C	W									

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]	8/16/12 1730	SAIC	Fedex	8/16/12	—
Relinquished by:	Date/Time:	Company	Received by: [signature]	8-17-12 9:0	TA PITH
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	180-13537-A-1	Voa Vial 40ml - Hydrochloric Acid	0		
TRIP BLANK	180-13537-B-1	Voa Vial 40ml - Hydrochloric Acid			
TRIP BLANK	180-13537-C-1	Voa Vial 40ml - Hydrochloric Acid			
MW-101	180-13537-A-2	Amber Glass 1 liter - unpreserved			
MW-101	180-13537-B-2	Amber Glass 1 liter - unpreserved			
MW-101	180-13537-C-2	Amber Glass 1 liter - unpreserved			
MW-101	180-13537-D-2	Amber Glass 1 liter - unpreserved			
MW-101	180-13537-E-2	Amber Glass 1 liter - unpreserved			
MW-101	180-13537-F-2	Amber Glass 1 liter - unpreserved			
MW-101	180-13537-G-2	Amber Glass 1 liter - unpreserved			
MW-101	180-13537-H-2	Amber Glass 1 liter - unpreserved			
MW-101	180-13537-I-2	Plastic 500ml - with Nitric Acid	2		
MW-101	180-13537-J-2	Plastic 500ml - with Nitric Acid	2		
MW-101	180-13537-K-2	Plastic 500ml - with Nitric Acid	2		
MW-101	180-13537-L-2	Voa Vial 40ml - Hydrochloric Acid	0		
MW-101	180-13537-M-2	Voa Vial 40ml - Hydrochloric Acid			
MW-101	180-13537-N-2	Voa Vial 40ml - Hydrochloric Acid			
MW-107	180-13537-A-3	Amber Glass 1 liter - unpreserved			
MW-107	180-13537-B-3	Amber Glass 1 liter - unpreserved			
MW-107	180-13537-C-3	Amber Glass 1 liter - unpreserved			
MW-107	180-13537-D-3	Amber Glass 1 liter - unpreserved			
MW-107	180-13537-E-3	Amber Glass 1 liter - unpreserved			
MW-107	180-13537-F-3	Amber Glass 1 liter - unpreserved			
MW-107	180-13537-G-3	Amber Glass 1 liter - unpreserved			
MW-107	180-13537-H-3	Amber Glass 1 liter - unpreserved			
MW-107	180-13537-I-3	Plastic 500ml - with Nitric Acid	2		
MW-107	180-13537-J-3	Plastic 500ml - with Nitric Acid	2		
MW-107	180-13537-K-3	Plastic 500ml - with Nitric Acid	2		
MW-107	180-13537-L-3	Voa Vial 40ml - Hydrochloric Acid	0		
MW-107	180-13537-M-3	Voa Vial 40ml - Hydrochloric Acid			
MW-107	180-13537-N-3	Voa Vial 40ml - Hydrochloric Acid			
MW-113	180-13537-A-4	Amber Glass 1 liter - unpreserved			
MW-113	180-13537-B-4	Amber Glass 1 liter - unpreserved			
MW-113	180-13537-C-4	Amber Glass 1 liter - unpreserved			
MW-113	180-13537-D-4	Amber Glass 1 liter - unpreserved			
MW-113	180-13537-E-4	Amber Glass 1 liter - unpreserved			
MW-113	180-13537-F-4	Amber Glass 1 liter - unpreserved			

Client Sample ID	Lab ID	Container Type	Container pH	Preservative Added (mls)	Lot #
MW-113	180-13537-G-4	Amber Glass 1 liter - unpreserved			
MW-113	180-13537-H-4	Amber Glass 1 liter - unpreserved			
MW-113	180-13537-I-4	Plastic 500ml - with Nitric Acid	2		
MW-113	180-13537-J-4	Plastic 500ml - with Nitric Acid	2		
MW-113	180-13537-K-4	Plastic 500ml - with Nitric Acid	2		
MW-113	180-13537-L-4	Voa Vial 40ml - Hydrochloric Acid	0		
MW-113	180-13537-M-4	Voa Vial 40ml - Hydrochloric Acid			
MW-113	180-13537-N-4	Voa Vial 40ml - Hydrochloric Acid			
MW-110	180-13537-A-5	Amber Glass 1 liter - unpreserved			
MW-110	180-13537-B-5	Amber Glass 1 liter - unpreserved			
MW-110	180-13537-C-5	Amber Glass 1 liter - unpreserved			
MW-110	180-13537-D-5	Amber Glass 1 liter - unpreserved			
MW-110	180-13537-E-5	Amber Glass 1 liter - unpreserved			
MW-110	180-13537-F-5	Amber Glass 1 liter - unpreserved			
MW-110	180-13537-G-5	Amber Glass 1 liter - unpreserved			
MW-110	180-13537-H-5	Amber Glass 1 liter - unpreserved			
MW-110	180-13537-I-5	Plastic 500ml - with Nitric Acid	2		
MW-110	180-13537-J-5	Plastic 500ml - with Nitric Acid	2		
MW-110	180-13537-K-5	Plastic 500ml - with Nitric Acid	2		
MW-110	180-13537-L-5	Voa Vial 40ml - Hydrochloric Acid	0		
MW-110	180-13537-M-5	Voa Vial 40ml - Hydrochloric Acid			
MW-110	180-13537-N-5	Voa Vial 40ml - Hydrochloric Acid			
MW-102	180-13537-A-6	Amber Glass 1 liter - unpreserved			
MW-102	180-13537-B-6	Amber Glass 1 liter - unpreserved			
MW-102	180-13537-C-6	Amber Glass 1 liter - unpreserved			
MW-102	180-13537-D-6	Amber Glass 1 liter - unpreserved			
MW-102	180-13537-E-6	Amber Glass 1 liter - unpreserved			
MW-102	180-13537-F-6	Amber Glass 1 liter - unpreserved			
MW-102	180-13537-G-6	Amber Glass 1 liter - unpreserved			
MW-102	180-13537-H-6	Amber Glass 1 liter - unpreserved			
MW-102	180-13537-I-6	Plastic 500ml - with Nitric Acid	2		
MW-102	180-13537-J-6	Plastic 500ml - with Nitric Acid	2		
MW-102	180-13537-K-6	Plastic 500ml - with Nitric Acid	2		
MW-102	180-13537-L-6	Voa Vial 40ml - Hydrochloric Acid	0		
MW-102	180-13537-M-6	Voa Vial 40ml - Hydrochloric Acid			
MW-102	180-13537-N-6	Voa Vial 40ml - Hydrochloric Acid			
IDW-1	180-13537-A-7	Amber Glass 1 liter - unpreserved			
IDW-1	180-13537-B-7	Amber Glass 1 liter - unpreserved			
IDW-1	180-13537-C-7	Plastic 500ml - with Nitric Acid	2		

Client Sample ID	Lab ID	Container Type	Container pH	Preservative Added (mls)	Lot #
IDW-1	180-13537-D-7	Plastic 500ml - with Nitric Acid	2		
IDW-1	180-13537-E-7	Plastic 500ml - with Nitric Acid	2		
IDW-1	180-13537-F-7	Voa Vial 40ml - Hydrochloric Acid	2		
IDW-1	180-13537-G-7	Voa Vial 40ml - Hydrochloric Acid			
IDW-1	180-13537-H-7	Voa Vial 40ml - Hydrochloric Acid			

Login Sample Receipt Checklist

Client: Science Applications International Corp

Job Number: 180-13537-1

Login Number: 13537

List Source: TestAmerica Pittsburgh

List Number: 1

Creator: O'Donnell, Brandon R

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is 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 sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	